

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009803.D
 Acq On : 22 May 2019 14:47
 Operator : JC/SP
 Sample : VX0522WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Quant Time: May 23 07:15:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113834	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.50	113	82049	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	8.71	98	333309	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
62) 4-Bromofluorobenzene	11.13	95	117973	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25446	15.503	ug/l	97
3) Chloromethane	1.32	50	39979	17.841	ug/l	99
4) Vinyl Chloride	1.41	62	37096	16.977	ug/l	99
5) Bromomethane	1.64	94	21806	16.626	ug/l	98
6) Chloroethane	1.72	64	23126	16.484	ug/l	96
7) Trichlorofluoromethane	1.93	101	44699	16.829	ug/l	100
8) Diethyl Ether	2.19	74	21067	16.744	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	26862	16.105	ug/l	99
10) Methyl Iodide	2.51	142	29583	18.456	ug/l	99
11) Tert butyl alcohol	3.04	59	47944	85.185	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27909	16.700	ug/l	99
13) Acrolein	2.29	56	41936	82.275	ug/l	99
14) Allyl chloride	2.73	41	67650	16.610	ug/l	98
15) Acrylonitrile	3.14	53	115228	83.733	ug/l	99
16) Acetone	2.45	43	107119	82.047	ug/l	98
17) Carbon Disulfide	2.57	76	80151	17.082	ug/l	100
18) Methyl Acetate	2.78	43	52207	16.814	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107087	16.501	ug/l	100
20) Methylene Chloride	2.85	84	34826	16.475	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	30151	16.636	ug/l	99
22) Diisopropyl ether	3.85	45	134573	17.182	ug/l	95
23) Vinyl Acetate	3.81	43	596225	88.897	ug/l	99
24) 1,1-Dichloroethane	3.70	63	64126	16.597	ug/l	99
25) 2-Butanone	4.67	43	173459	85.496	ug/l	98
26) 2,2-Dichloropropane	4.59	77	43573	15.151	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	35363	16.347	ug/l	98
28) Bromochloromethane	5.02	49	34510	20.575	ug/l	97
29) Tetrahydrofuran	5.13	42	115721	88.638	ug/l	98
30) Chloroform	5.21	83	57581	16.477	ug/l	98
31) Cyclohexane	5.57	56	62047	17.260	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	47812	16.436	ug/l	99
36) 1,1-Dichloropropene	5.80	75	44362	16.762	ug/l	99
37) Ethyl Acetate	4.84	43	65656	17.805	ug/l	99
38) Carbon Tetrachloride	5.79	117	39447	16.404	ug/l	99

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 Data File : VX009803.D
 Acq On : 22 May 2019 14:47
 Operator : JC/SP
 Sample : VX0522WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Quant Time: May 23 07:15:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54614	16.803	ug/l	98
40) Benzene	6.14	78	138196	16.872	ug/l	98
41) Methacrylonitrile	5.04	41	36555	16.653	ug/l	100
42) 1,2-Dichloroethane	6.19	62	50350	17.136	ug/l	99
43) Isopropyl Acetate	6.45	43	101530	17.213	ug/l	99
44) Trichloroethene	7.21	130	32533	16.429	ug/l	95
45) 1,2-Dichloropropane	7.51	63	39329	16.957	ug/l	99
46) Dibromomethane	7.66	93	22285	16.546	ug/l	99
47) Bromodichloromethane	7.90	83	43740	16.281	ug/l	99
48) Methyl methacrylate	7.77	41	51470	17.588	ug/l	98
49) 1,4-Dioxane	7.74	88	20031	337.527	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	338119	87.701	ug/l	98
52) Toluene	8.79	92	83781	16.827	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	49639	16.365	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55095	16.410	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	33558	16.520	ug/l	98
56) Ethyl methacrylate	9.18	69	60378	16.651	ug/l	97
57) 1,3-Dichloropropane	9.37	76	59959	16.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	163246	84.866	ug/l	98
59) 2-Hexanone	9.49	43	263987	87.183	ug/l	98
60) Dibromochloromethane	9.58	129	31967	16.113	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34134	16.647	ug/l	100
64) Tetrachloroethene	9.34	164	29149	16.408	ug/l	99
65) Chlorobenzene	10.14	112	85378	16.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30515	16.246	ug/l	99
67) Ethyl Benzene	10.25	91	158053	16.576	ug/l	100
68) m/p-Xylenes	10.36	106	115994	33.290	ug/l	98
69) o-Xylene	10.69	106	56579	16.458	ug/l	99
70) Styrene	10.71	104	98302	16.452	ug/l	99
71) Bromoform	10.85	173	24093	15.784	ug/l #	99
73) Isopropylbenzene	11.02	105	151845	16.715	ug/l	99
74) N-amyl acetate	10.90	43	91364	17.251	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	55717	16.453	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	63830	22.028	ug/l	82
77) Bromobenzene	11.26	156	37311	16.548	ug/l	99
78) n-propylbenzene	11.36	91	173189	16.694	ug/l	100
79) 2-Chlorotoluene	11.42	91	103311	16.141	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	127900	16.721	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	17376	15.343	ug/l	94
82) 4-Chlorotoluene	11.51	91	118741	16.422	ug/l	99
83) tert-Butylbenzene	11.77	119	121008	16.263	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	129385	16.852	ug/l	99
85) sec-Butylbenzene	11.94	105	144787	16.413	ug/l	100
86) p-Isopropyltoluene	12.06	119	131771	16.616	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	65517	16.300	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	65783	16.233	ug/l	98
89) n-Butylbenzene	12.38	91	115868	16.165	ug/l	99
90) Hexachloroethane	12.60	117	21255	15.732	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	66135	16.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13357	17.583	ug/l	93

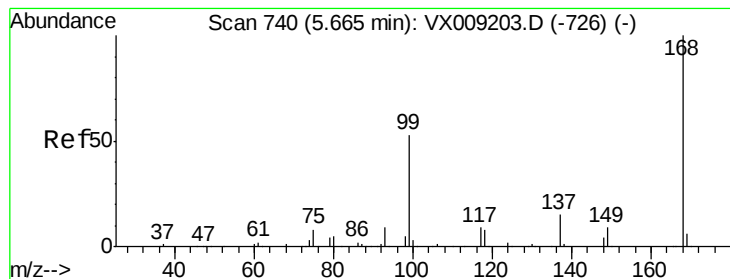
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009803.D
Acq On : 22 May 2019 14:47
Operator : JC/SP
Sample : VX0522WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Quant Time: May 23 07:15:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45474	16.243	ug/l	100
94) Hexachlorobutadiene	13.78	225	23689	16.570	ug/l	99
95) Naphthalene	13.83	128	149815	16.448	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47095	16.595	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

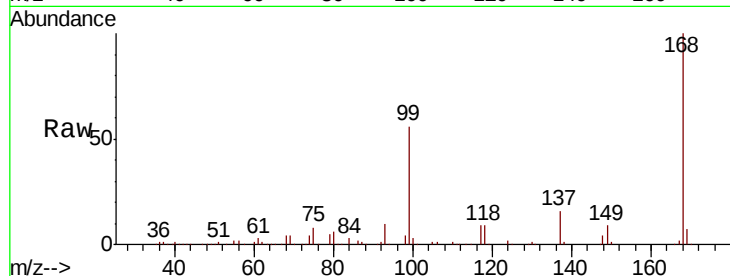
VX0522WBSD01

Tot Ion:168 Resp: 178112

Ion Ratio Lower Upper

168 100

99 56.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

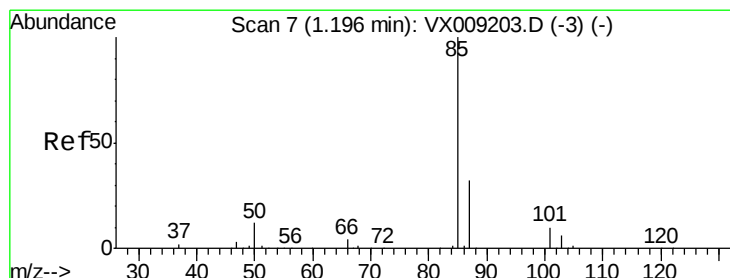
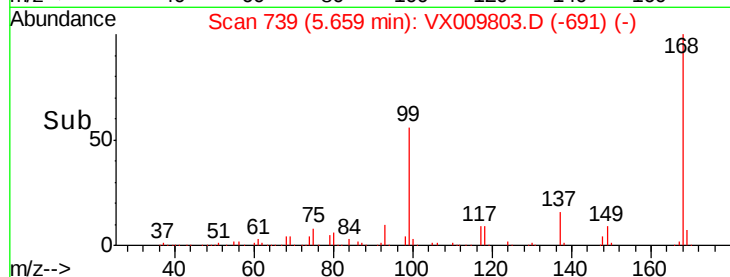
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 15.503 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009803.D

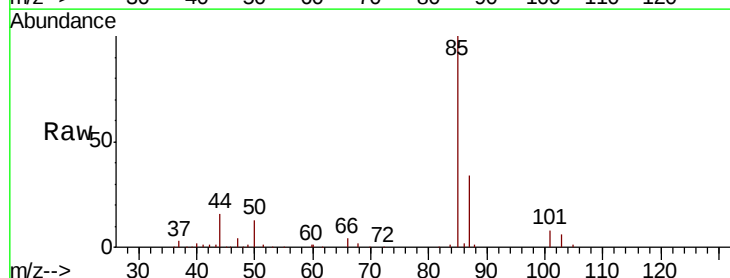
Acq: 22 May 2019 14:47

Tgt Ion: 85 Resp: 25446

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

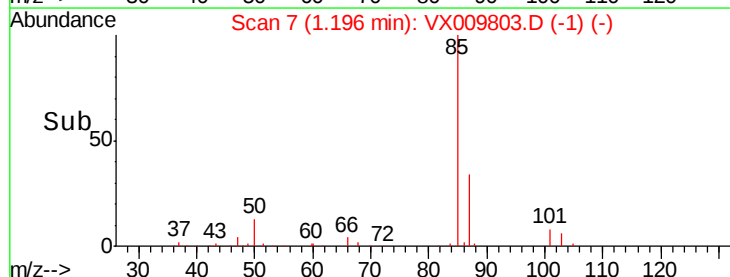
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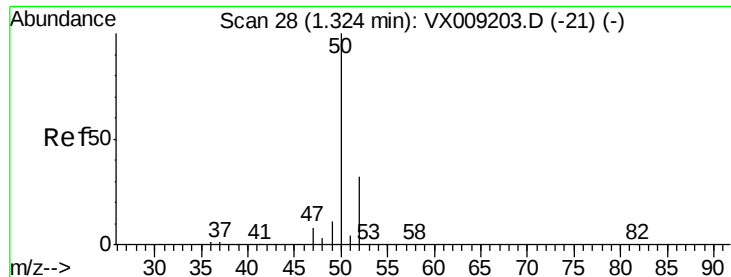
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 17.841 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

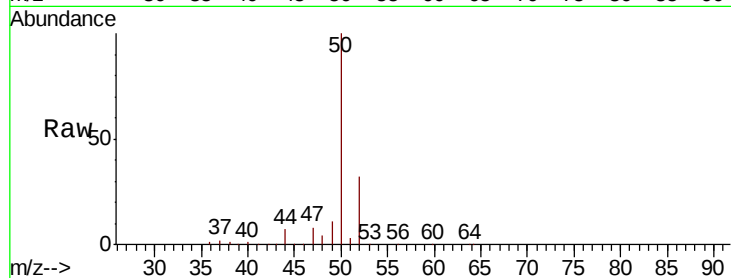
VX0522WBSD01

Tot Ion: 50 Resp: 39979

Ion Ratio Lower Upper

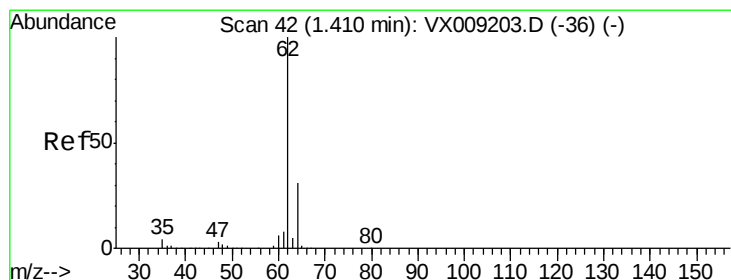
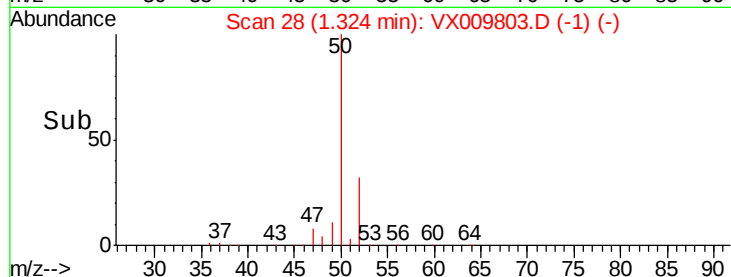
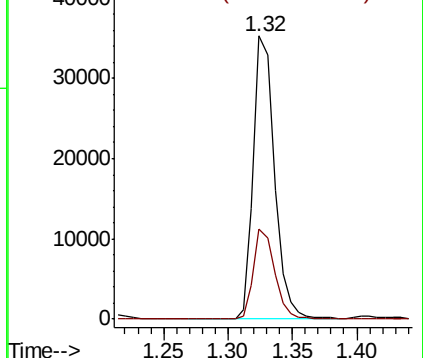
50 100

52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.977 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009803.D

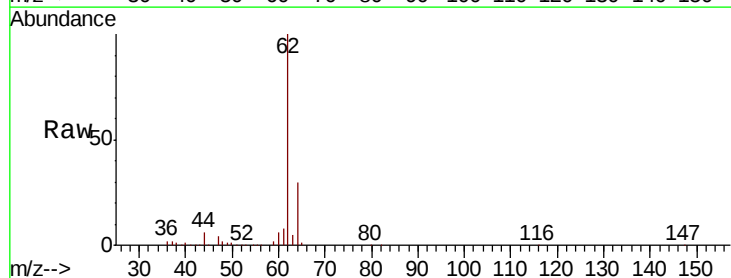
Acq: 22 May 2019 14:47

Tgt Ion: 62 Resp: 37096

Ion Ratio Lower Upper

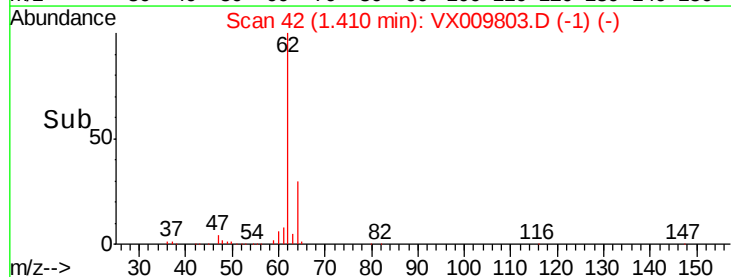
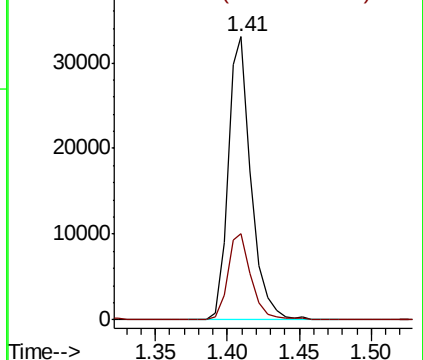
62 100

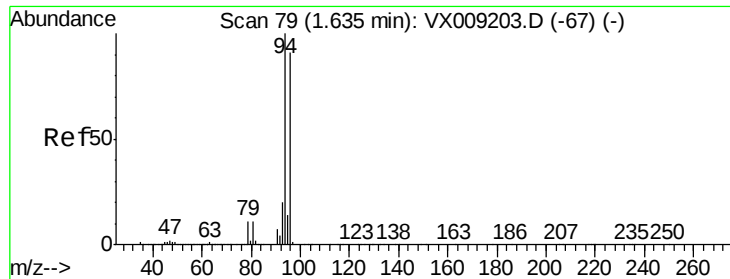
64 30.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.626 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

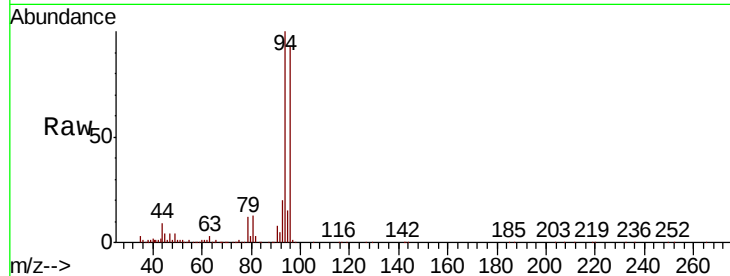
VX0522WBSD01

Tot Ion: 94 Resp: 21806

Ion Ratio Lower Upper

94 100

96 93.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

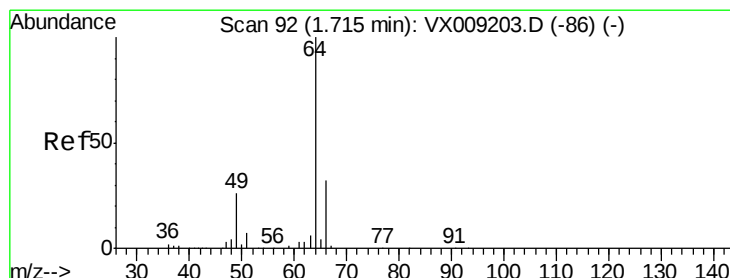
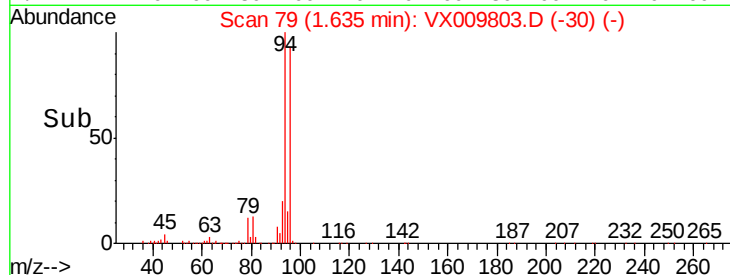
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 16.484 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009803.D

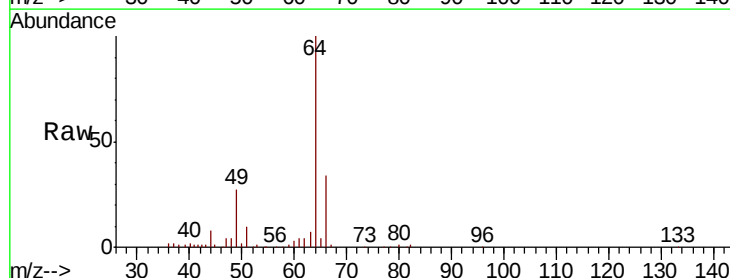
Acq: 22 May 2019 14:47

Tgt Ion: 64 Resp: 23126

Ion Ratio Lower Upper

64 100

66 34.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

15000

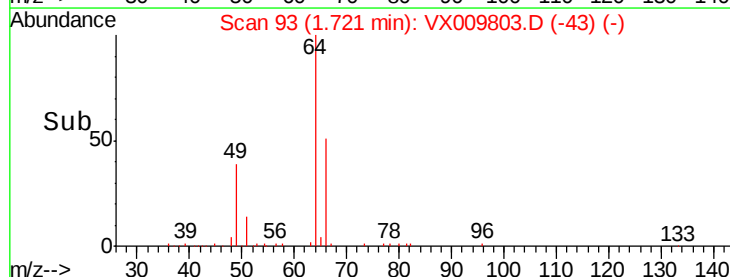
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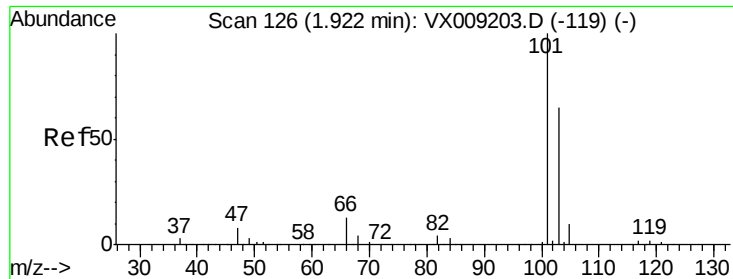
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0

Time-->

1.65 1.70 1.75 1.80



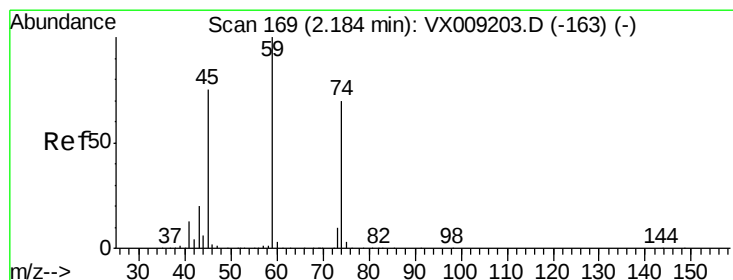
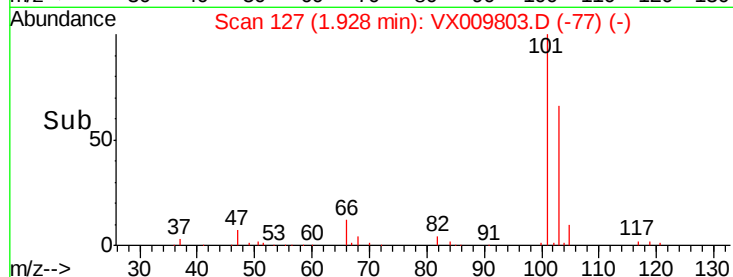
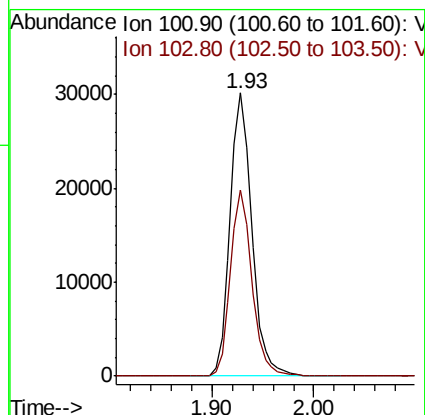
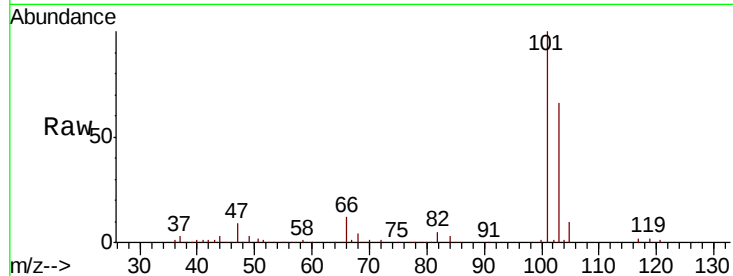


#7

Trichlorofluoromethane
 Concen: 16.829 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

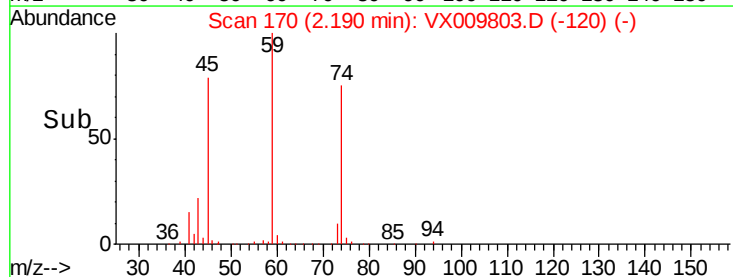
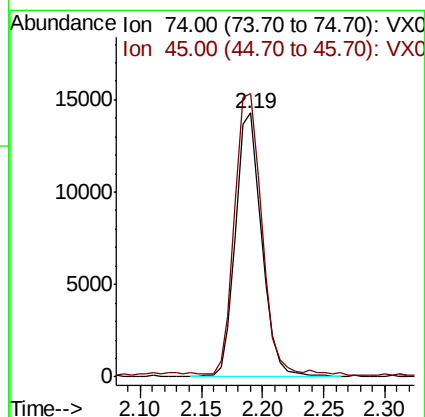
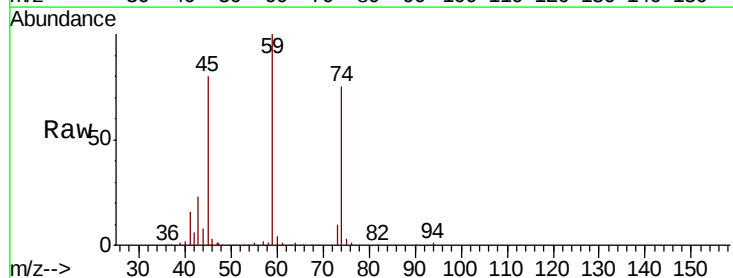
Tot Ion:101 Resp: 44699
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.4 78.6

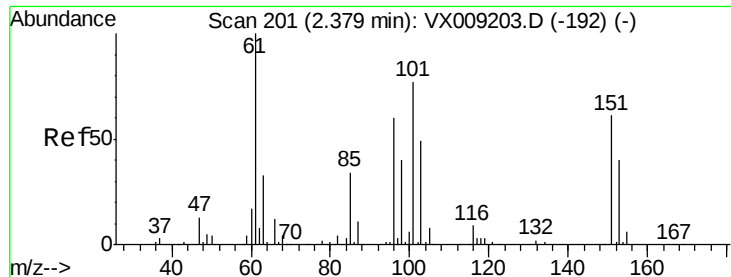


#8

Diethyl Ether
 Concen: 16.744 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion: 74 Resp: 21067
 Ion Ratio Lower Upper
 74 100
 45 109.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.105 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0522WBSD01

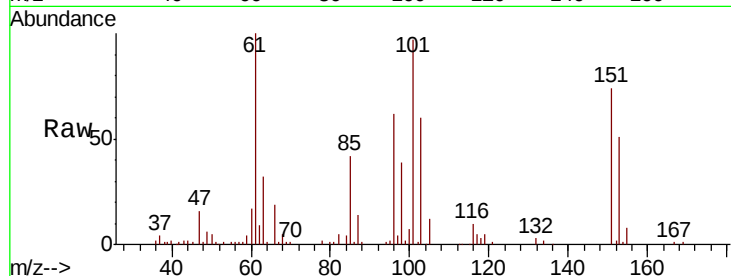
Tot Ion:101 Resp: 26862

Ion Ratio Lower Upper

101 100

85 45.8 35.7 53.5

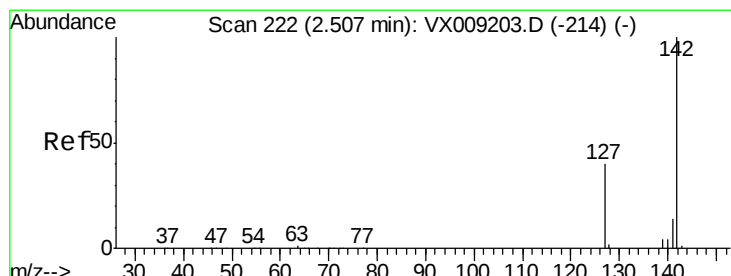
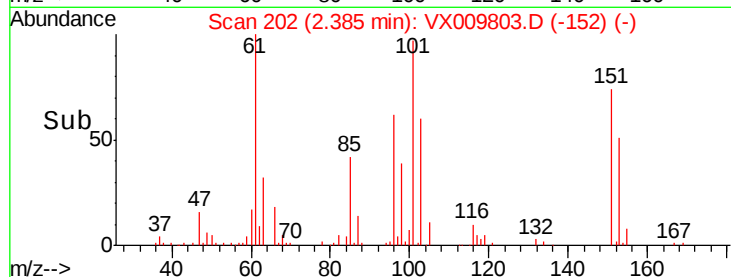
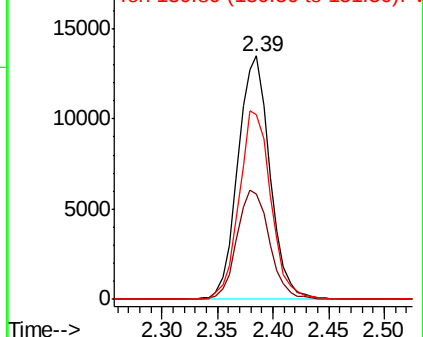
151 77.0 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.456 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

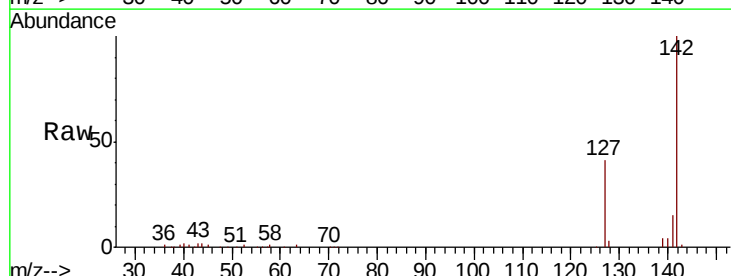
Tgt Ion:142 Resp: 29583

Ion Ratio Lower Upper

142 100

127 41.9 32.7 49.1

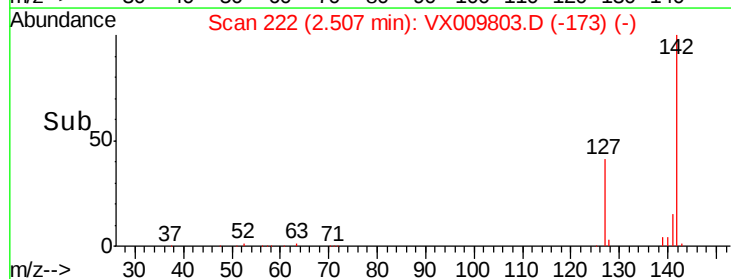
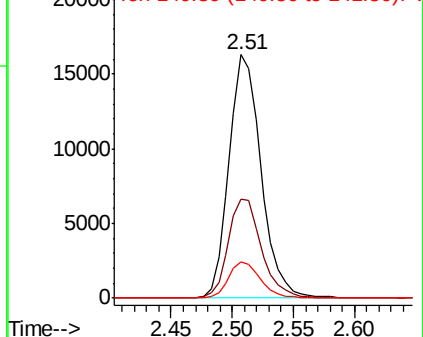
141 14.7 11.5 17.3

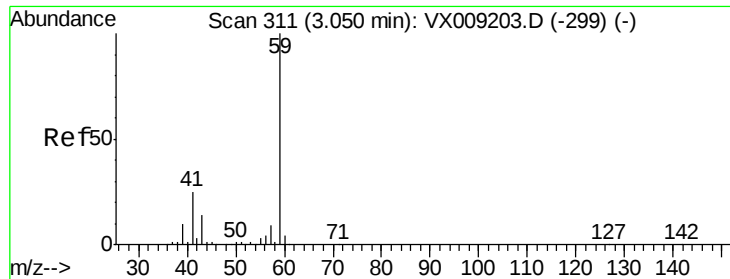


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

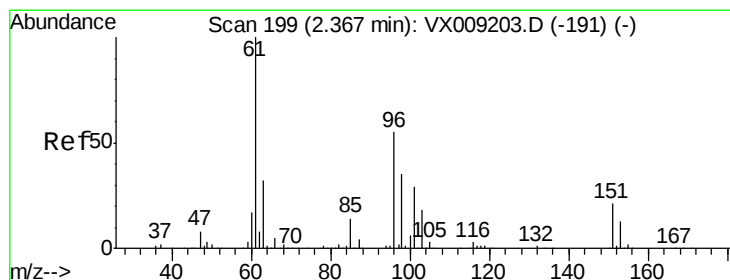
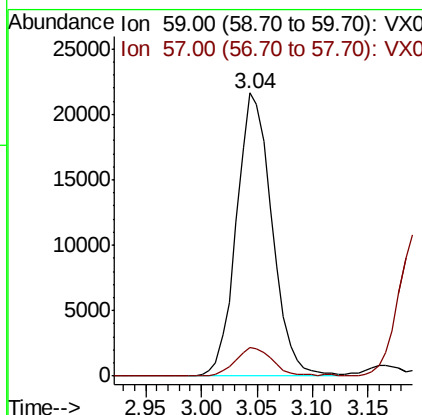
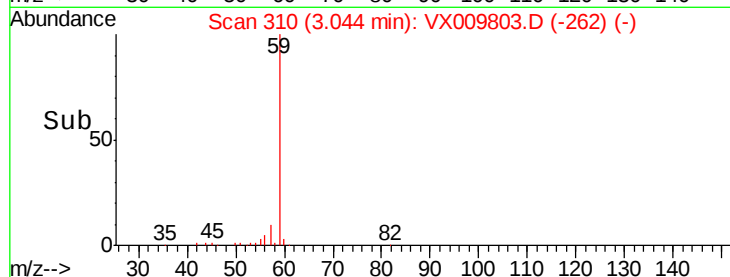
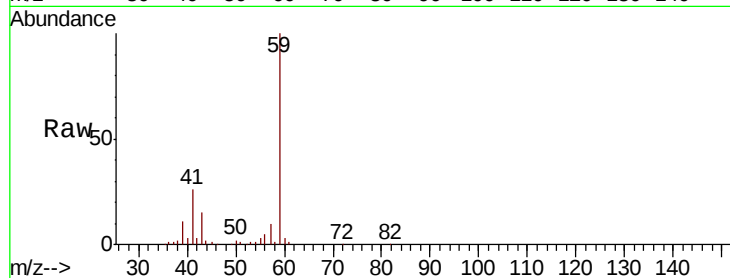




#11
Tert butyl alcohol
Concen: 85.185 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

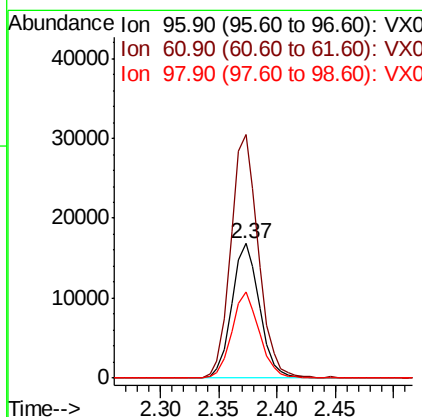
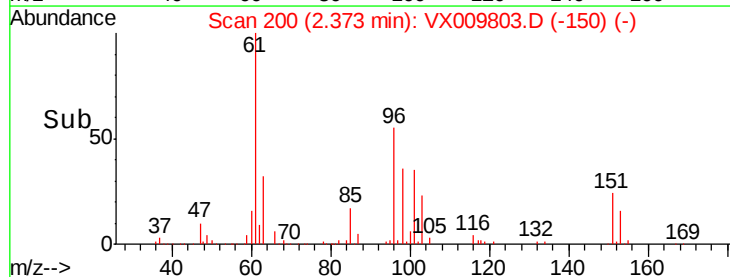
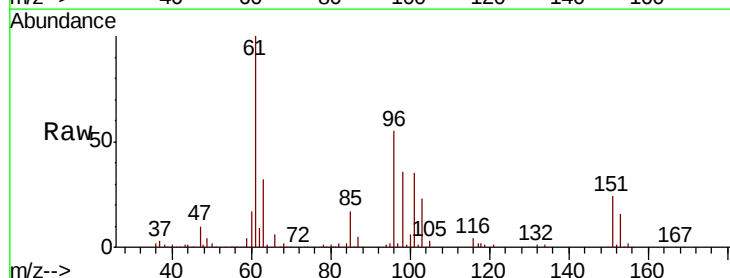
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

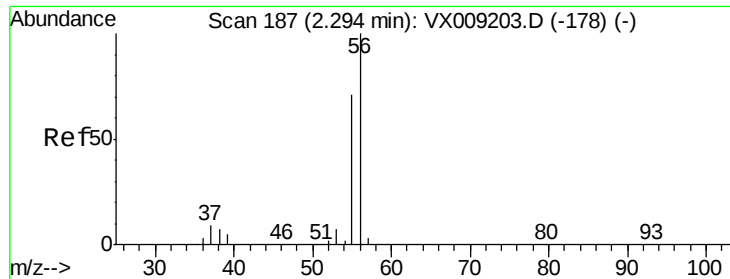
Tot Ion: 59 Resp: 47944
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 16.700 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 96 Resp: 27909
Ion Ratio Lower Upper
96 100
61 181.3 144.3 216.5
98 64.6 50.3 75.5





#13

Acrolein

Concen: 82.275 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

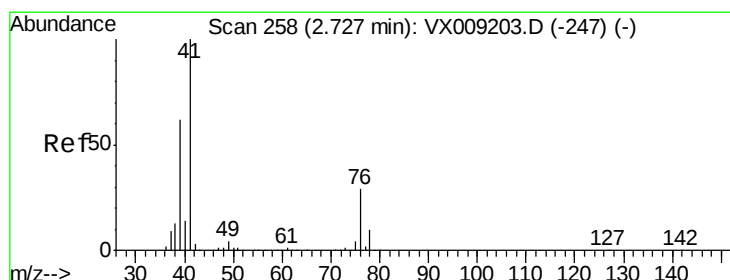
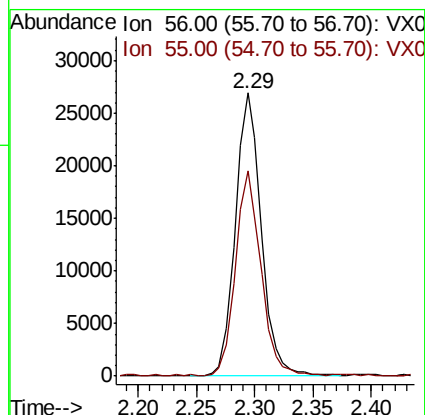
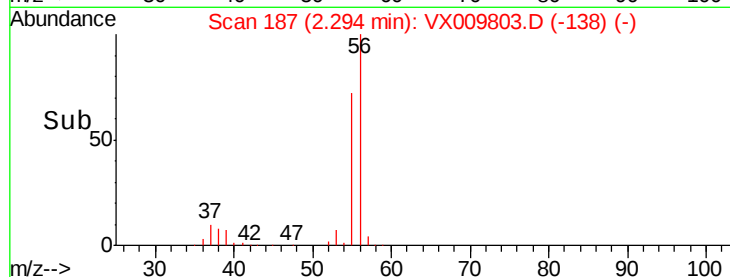
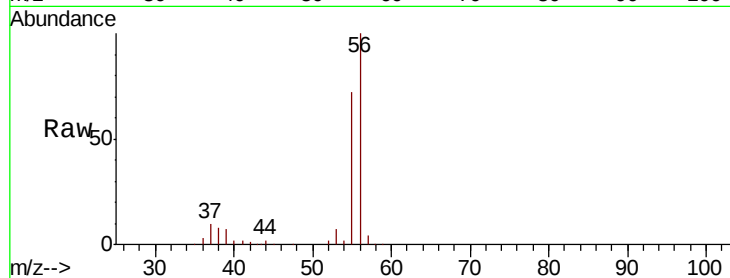
VX0522WBSD01

Tot Ion: 56 Resp: 41936

Ion Ratio Lower Upper

56 100

55 70.3 56.6 85.0



#14

Allyl chloride

Concen: 16.610 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

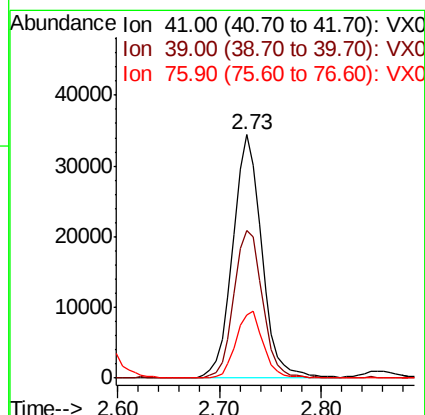
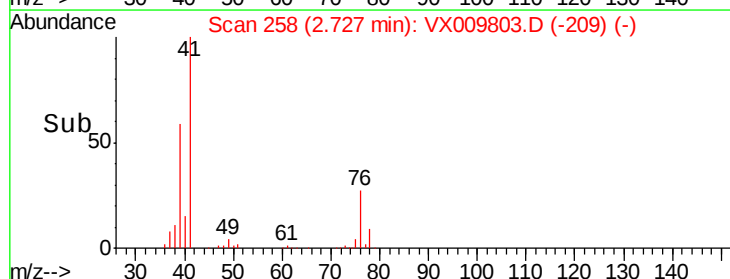
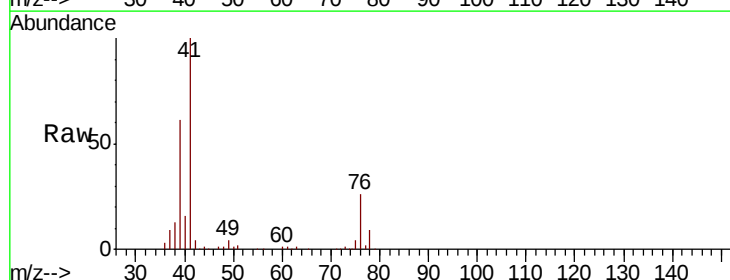
Tgt Ion: 41 Resp: 67650

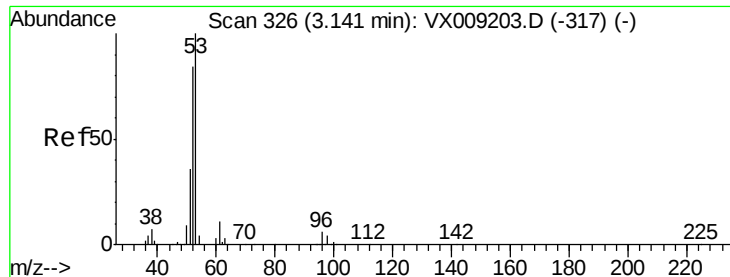
Ion Ratio Lower Upper

41 100

39 59.8 46.7 70.1

76 25.8 21.8 32.8





#15

Acrylonitrile

Concen: 83.733 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0522WBSD01

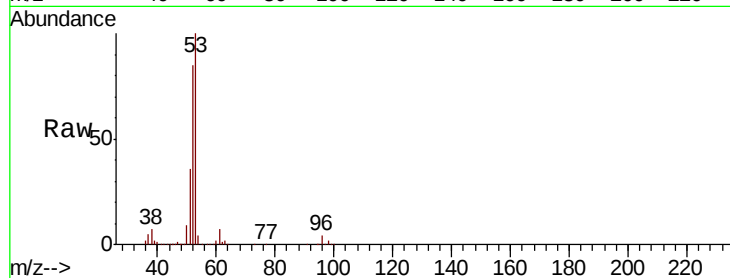
Tot Ion: 53 Resp: 115228

Ion Ratio Lower Upper

53 100

52 84.4 66.9 100.3

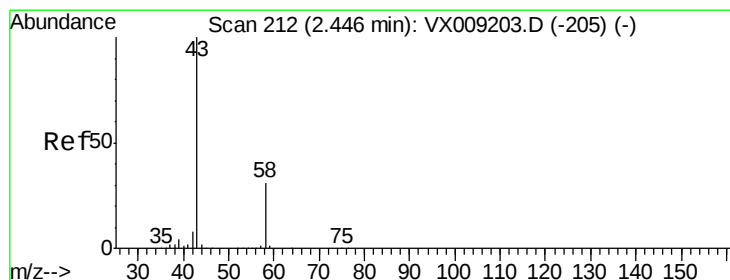
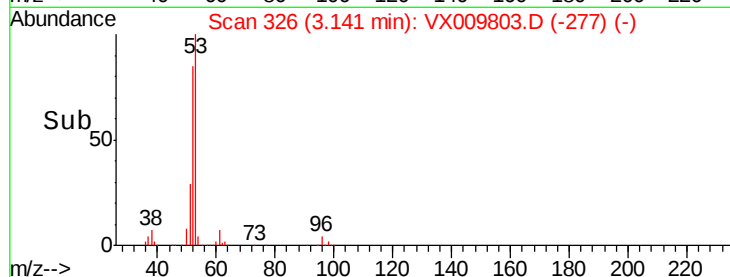
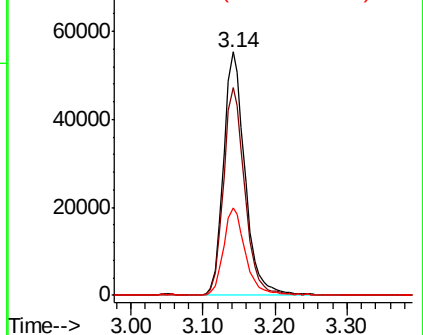
51 36.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 82.047 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009803.D

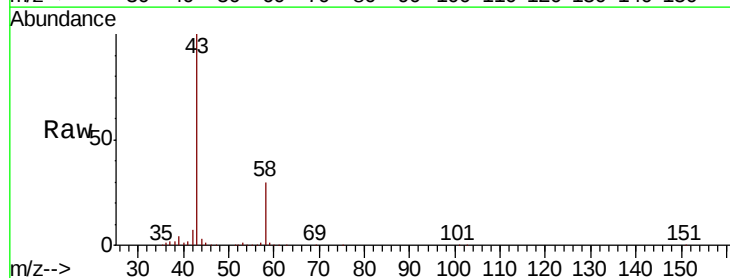
Acq: 22 May 2019 14:47

Tgt Ion: 43 Resp: 107119

Ion Ratio Lower Upper

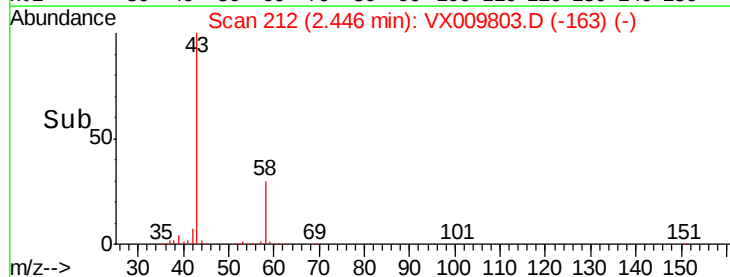
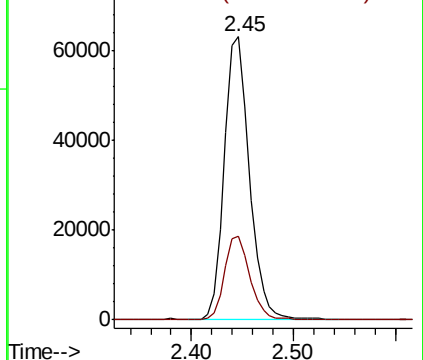
43 100

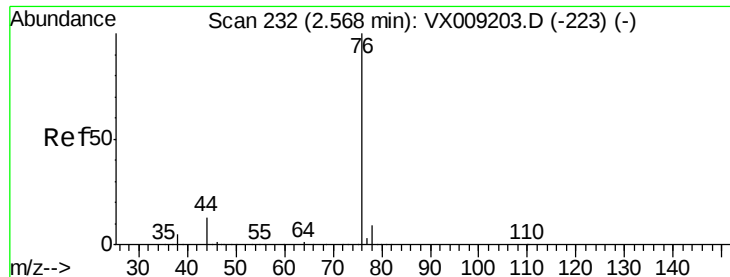
58 29.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

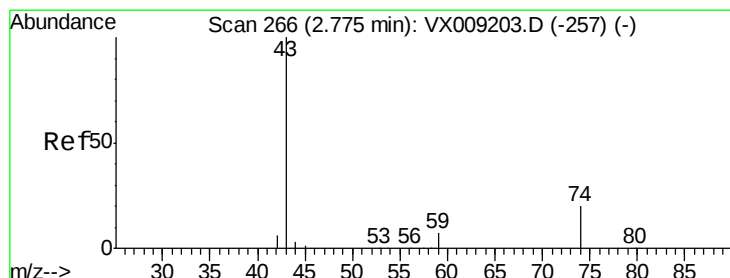
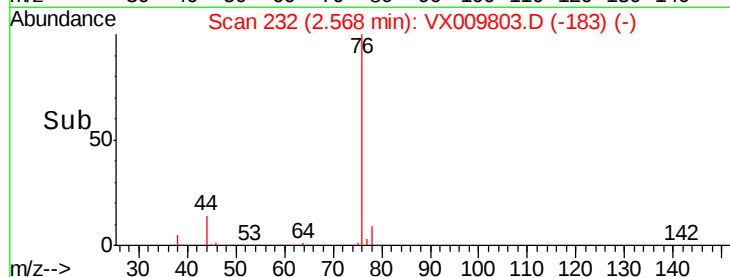
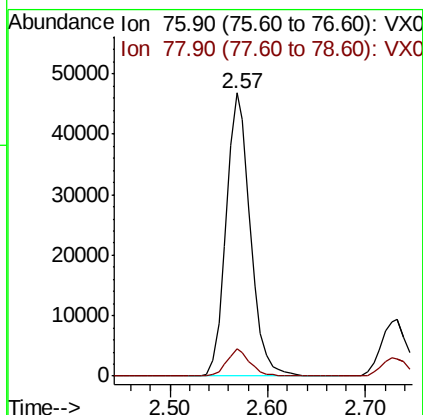
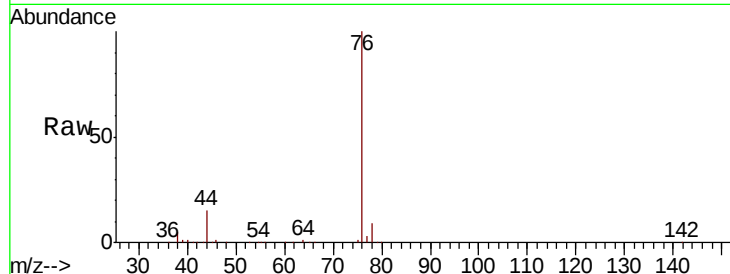




#17
Carbon Disulfide
Concen: 17.082 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

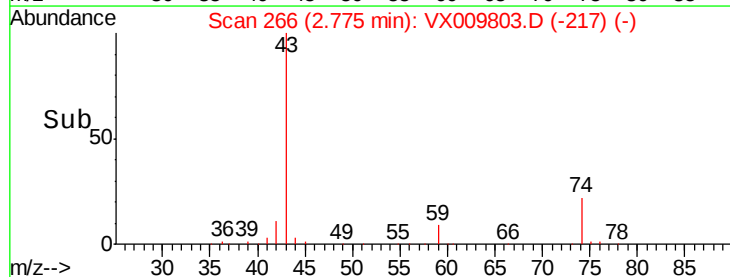
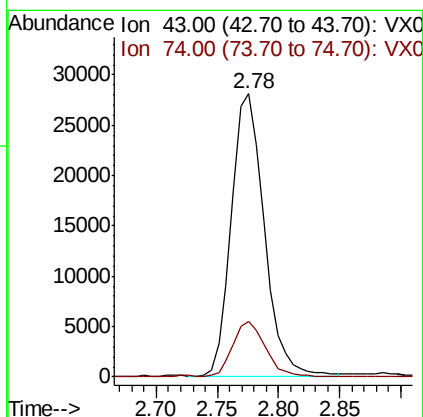
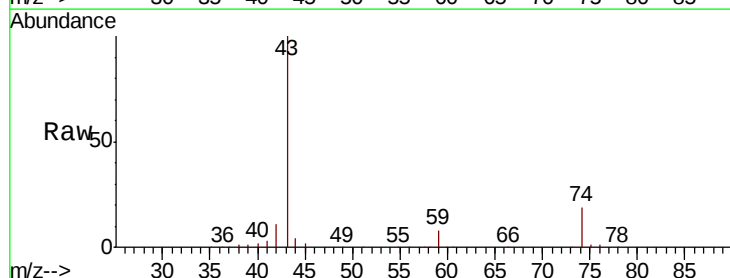
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

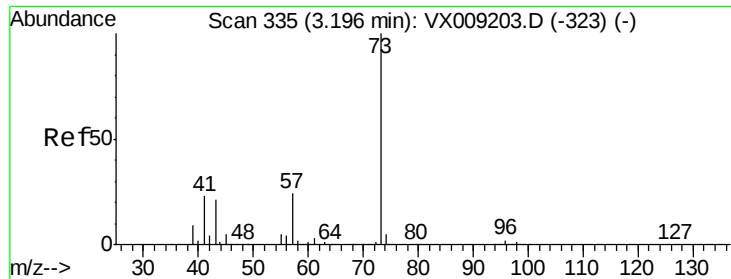
Tot Ion: 76 Resp: 80151
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 16.814 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 43 Resp: 52207
Ion Ratio Lower Upper
43 100
74 19.6 16.2 24.4

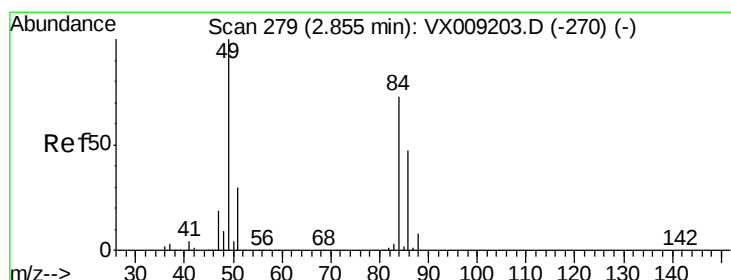
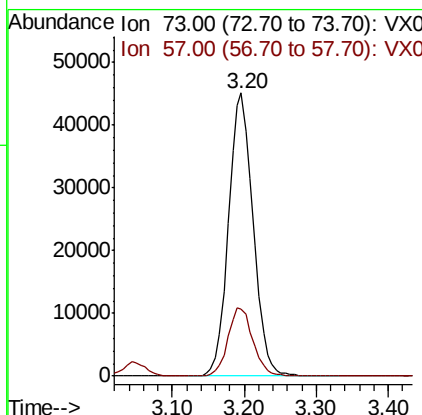
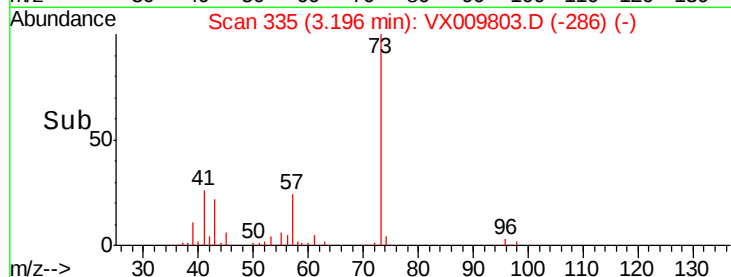
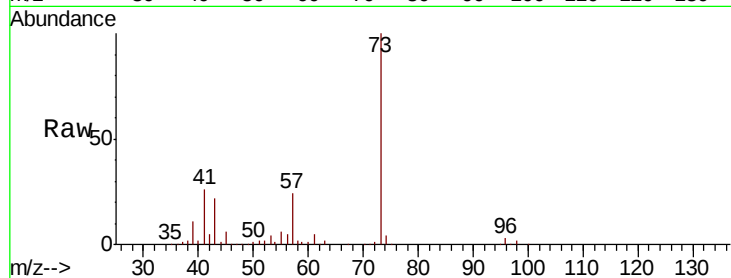




#19
Methyl tert-butyl Ether
Concen: 16.501 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

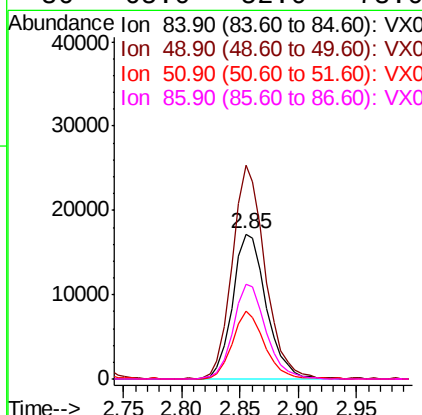
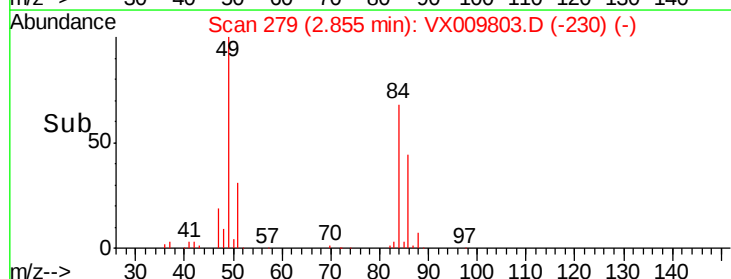
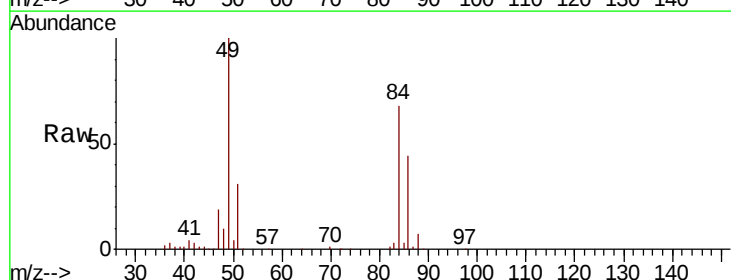
Instrument :
MSVOA_X
ClientSampleID :
VX0522WBSD01

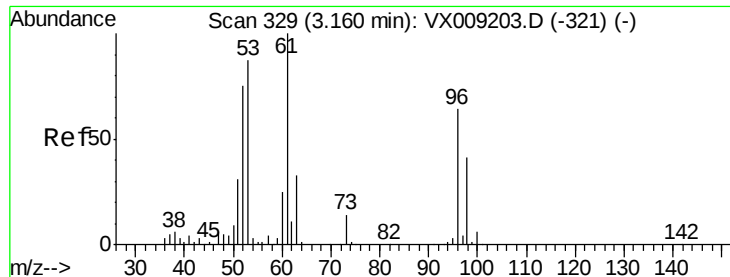
Tot Ion: 73 Resp: 107087
Ion Ratio Lower Upper
73 100
57 23.9 19.3 28.9



#20
Methylene Chloride
Concen: 16.475 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 84 Resp: 34826
Ion Ratio Lower Upper
84 100
49 146.7 109.9 164.9
51 46.3 32.7 49.1
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 16.636 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

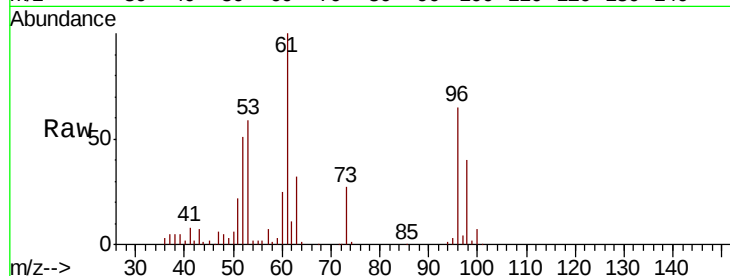
Tot Ion: 96 Resp: 30151

Ion Ratio Lower Upper

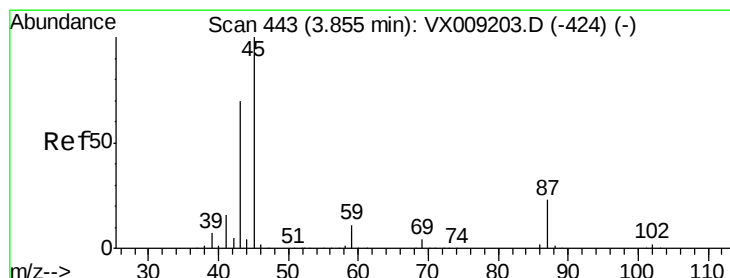
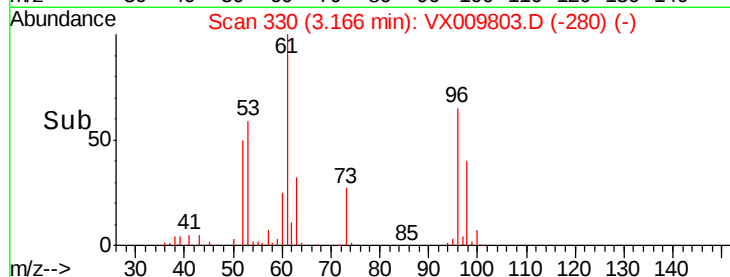
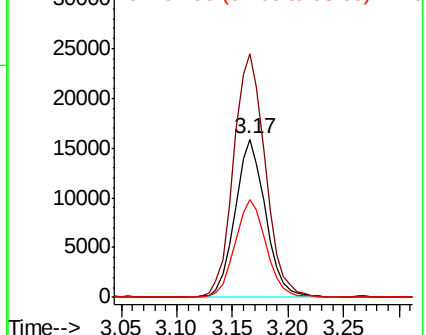
96 100

61 153.8 124.5 186.7

98 61.8 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.182 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion: 45 Resp: 134573

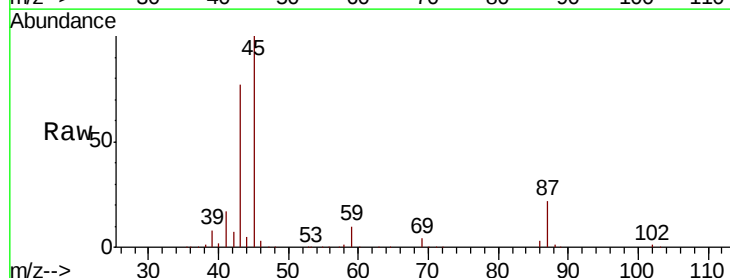
Ion Ratio Lower Upper

45 100

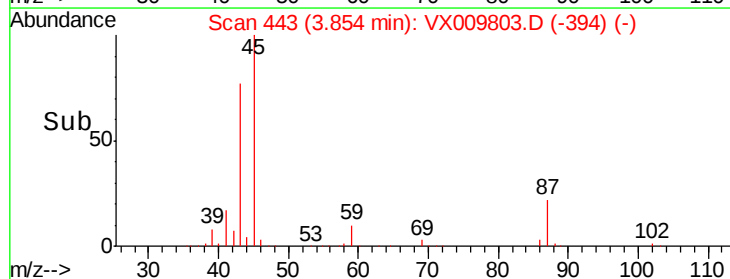
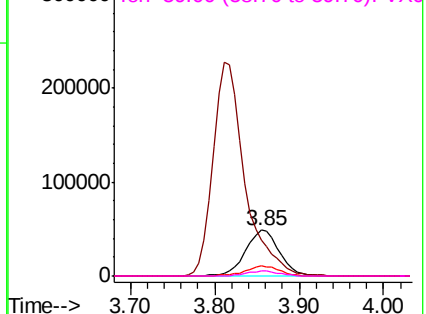
43 75.6 56.1 84.1

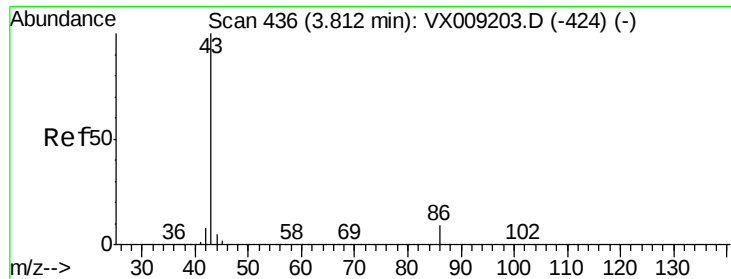
87 22.3 18.1 27.1

59 10.4 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 88.897 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

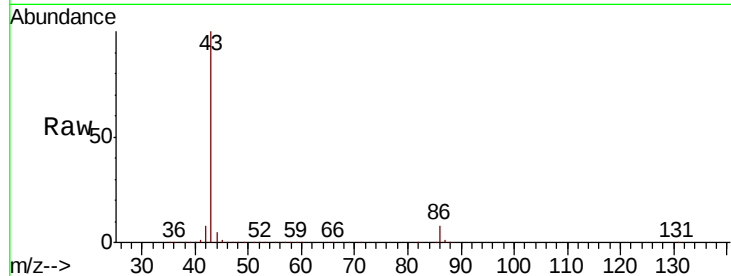
VX0522WBSD01

Tot Ion: 43 Resp: 596225

Ion Ratio Lower Upper

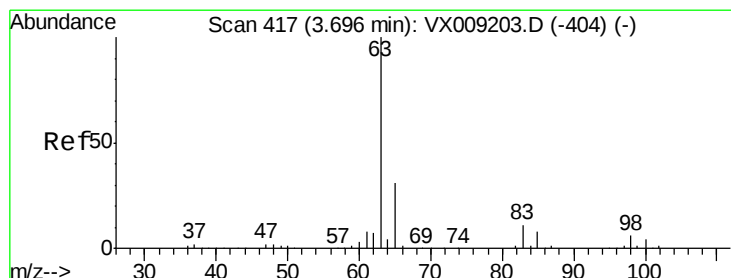
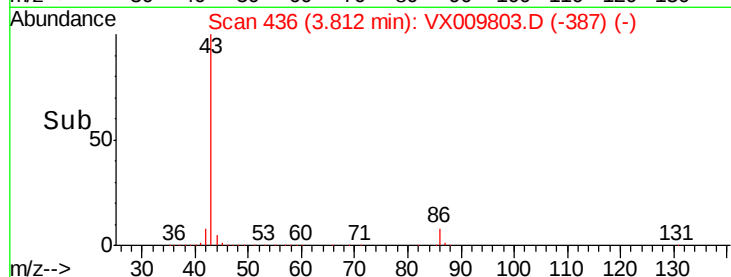
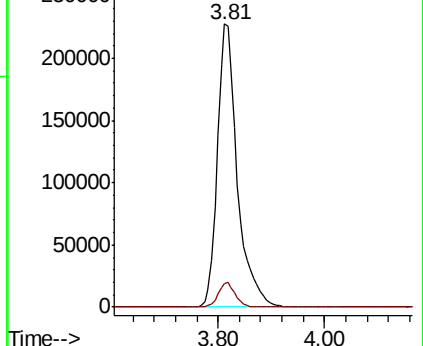
43 100

86 8.2 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 16.597 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

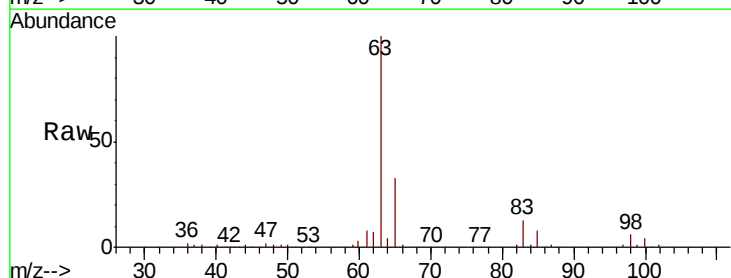
Tgt Ion: 63 Resp: 64126

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

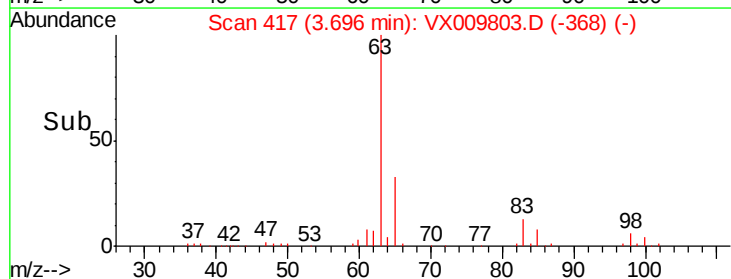
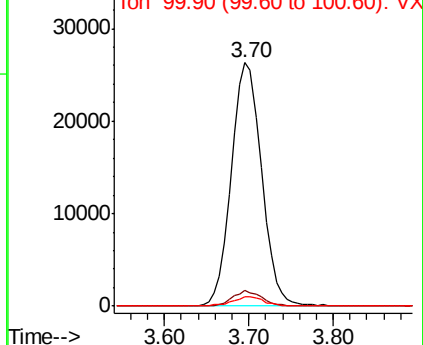
100 3.8 2.0 6.0

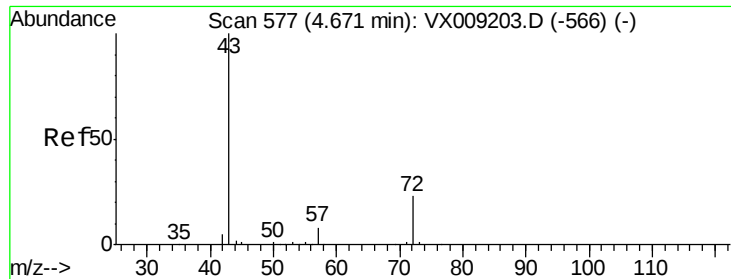


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 85.496 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

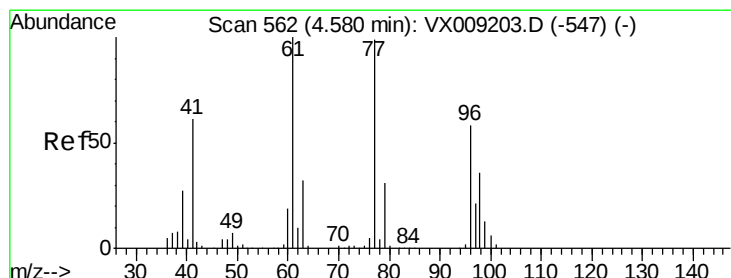
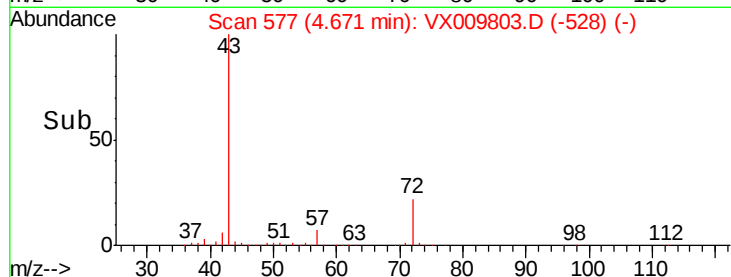
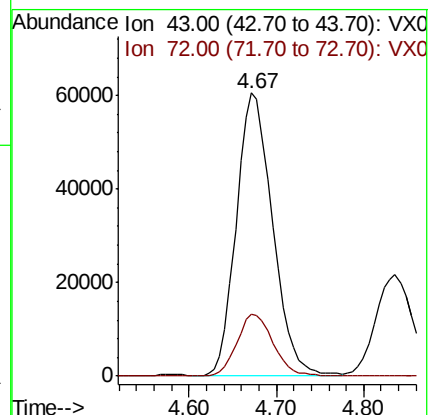
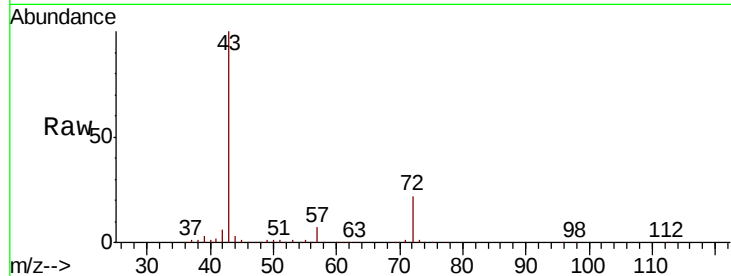
VX0522WBSD01

Tot Ion: 43 Resp: 173459

Ion Ratio Lower Upper

43 100

72 21.6 18.2 27.2



#26

2,2-Dichloropropane

Concen: 15.151 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009803.D

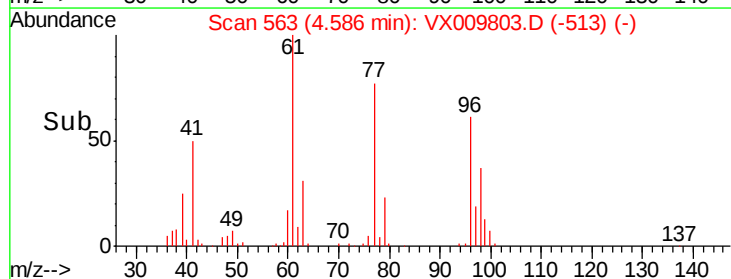
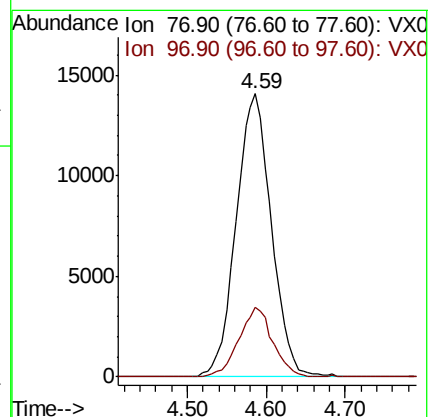
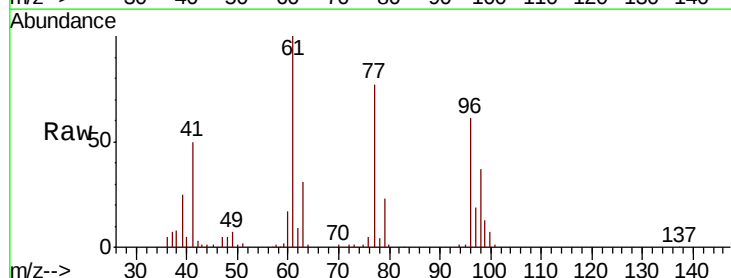
Acq: 22 May 2019 14:47

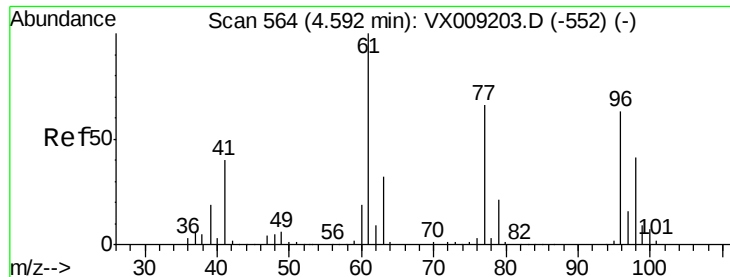
Tgt Ion: 77 Resp: 43573

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.4



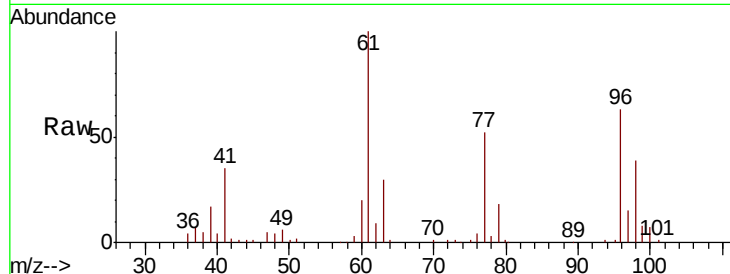


#27

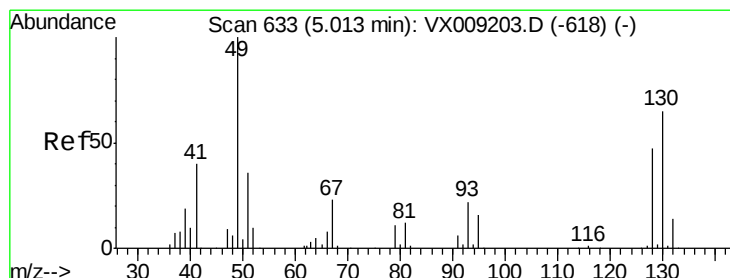
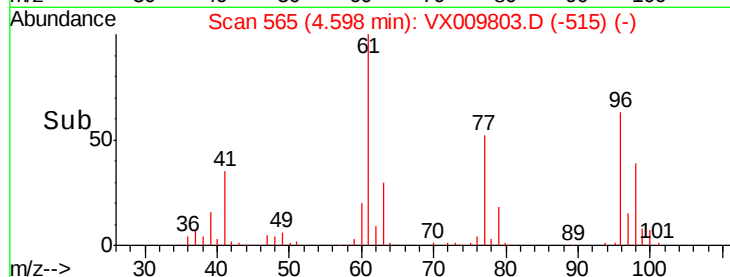
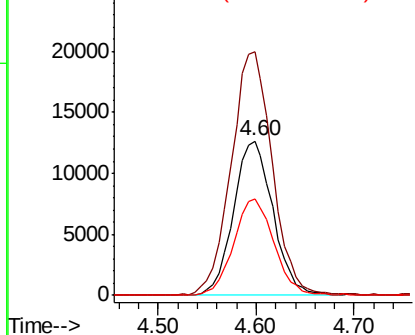
cis-1,2-Dichloroethene
Concen: 16.347 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampled :
VX0522WBSD01

Tot Ion: 96 Resp: 35363
Ion Ratio Lower Upper
96 100
61 164.6 0.0 324.0
98 63.8 0.0 130.4



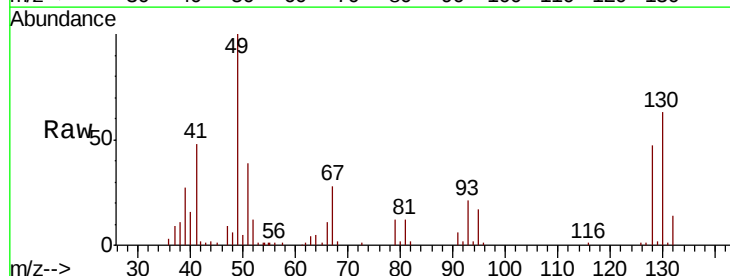
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



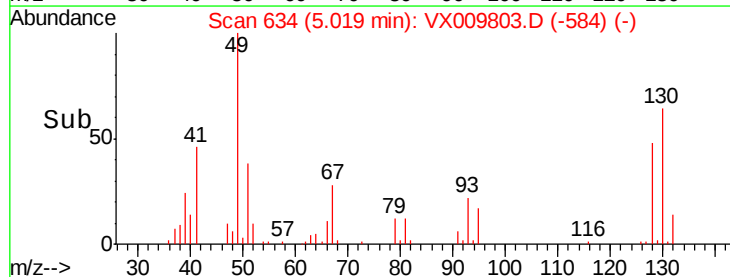
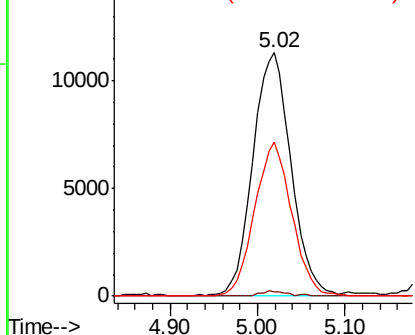
#28

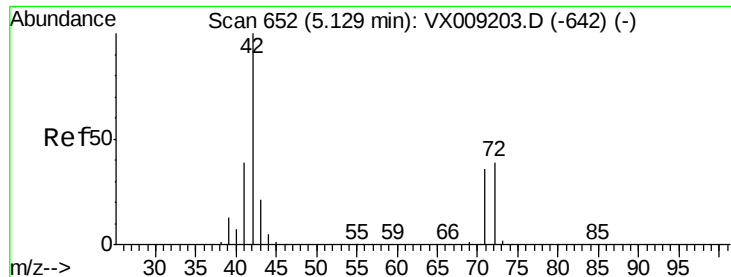
Bromochloromethane
Concen: 20.575 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 49 Resp: 34510
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.8
130 61.4 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 88.638 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

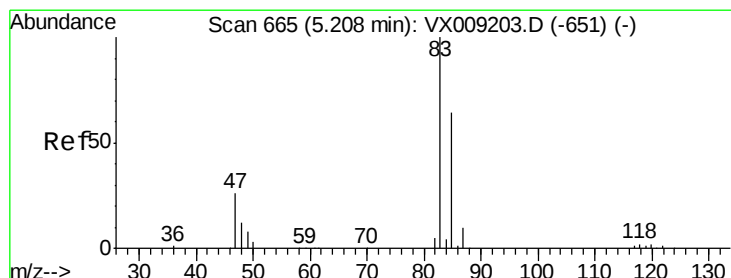
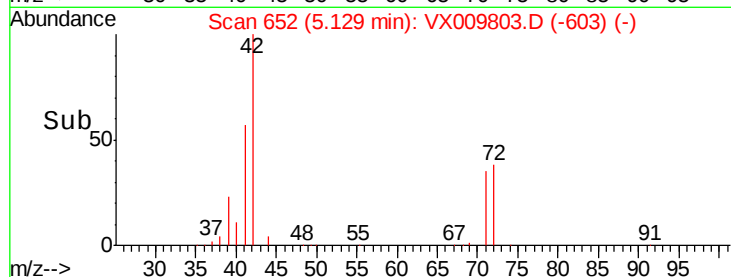
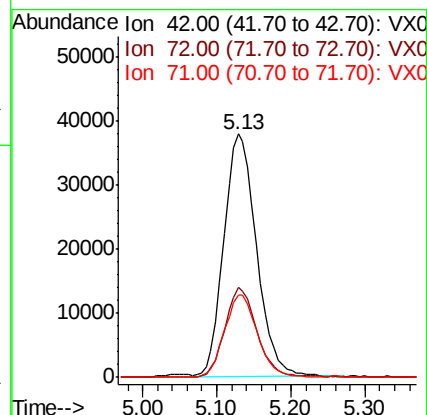
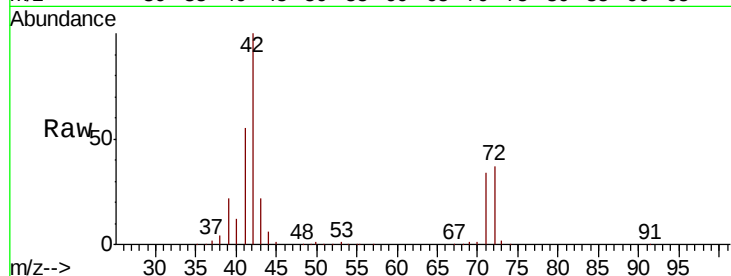
Tot Ion: 42 Resp: 115721

Ion Ratio Lower Upper

42 100

72 36.8 30.4 45.6

71 34.4 28.6 43.0



#30

Chloroform

Concen: 16.477 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009803.D

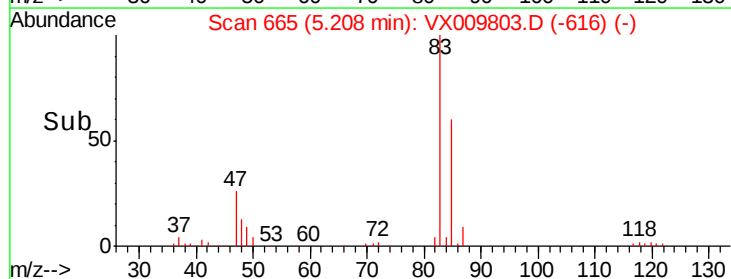
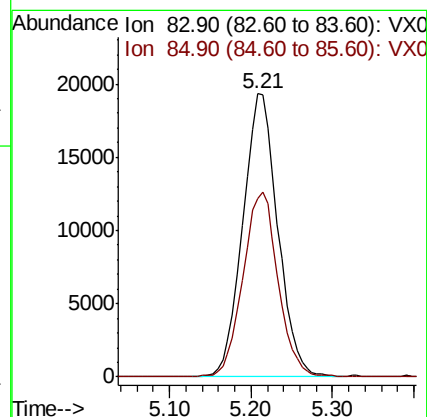
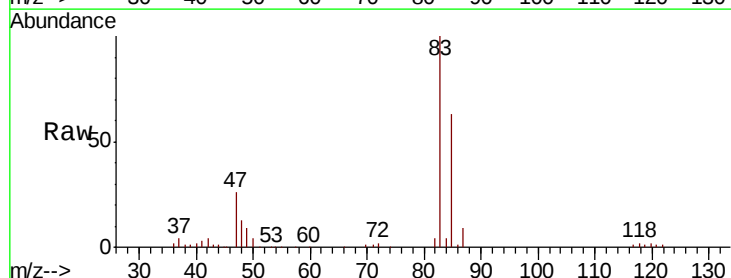
Acq: 22 May 2019 14:47

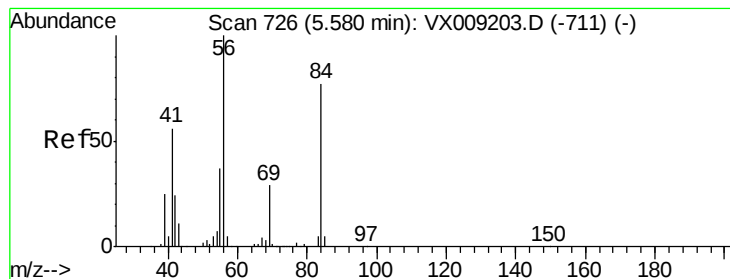
Tgt Ion: 83 Resp: 57581

Ion Ratio Lower Upper

83 100

85 62.9 51.5 77.3





#31

Cyclohexane

Concen: 17.260 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

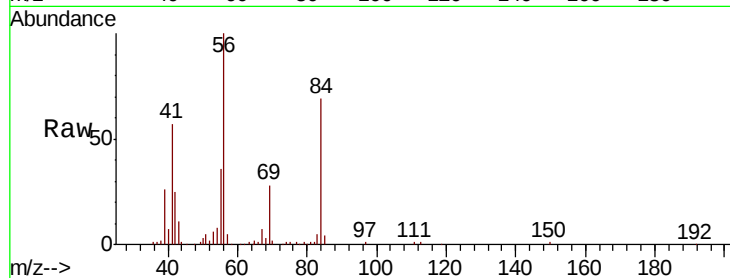
Tot Ion: 56 Resp: 62047

Ion Ratio Lower Upper

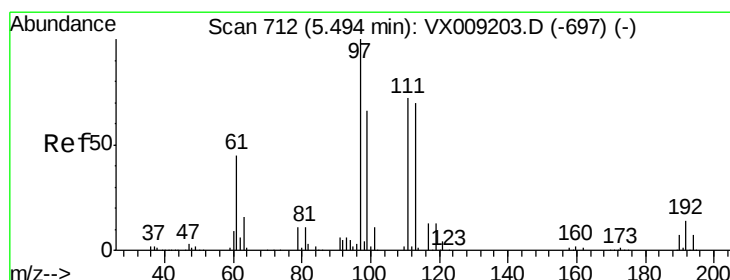
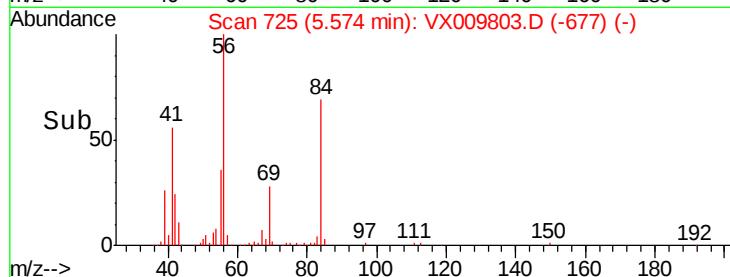
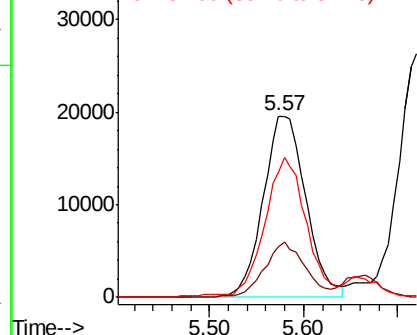
56 100

69 27.5 23.4 35.0

84 67.5 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 16.436 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

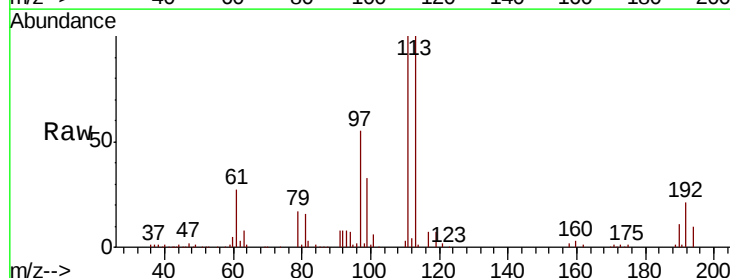
Tgt Ion: 97 Resp: 47812

Ion Ratio Lower Upper

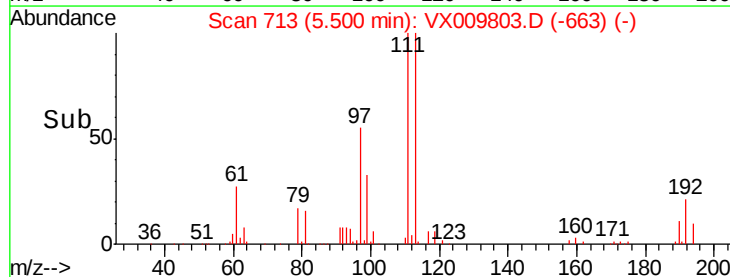
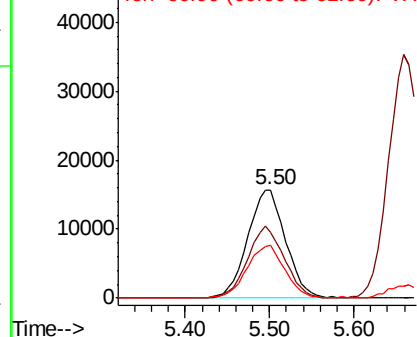
97 100

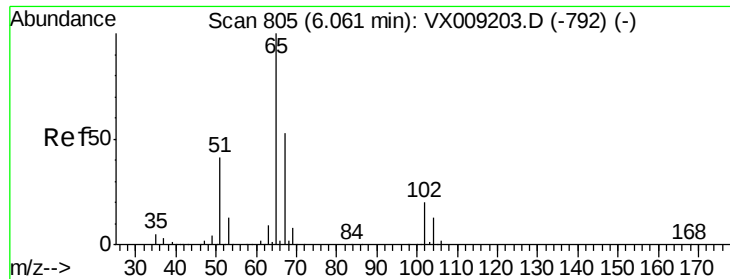
99 64.3 51.8 77.8

61 48.9 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.818 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

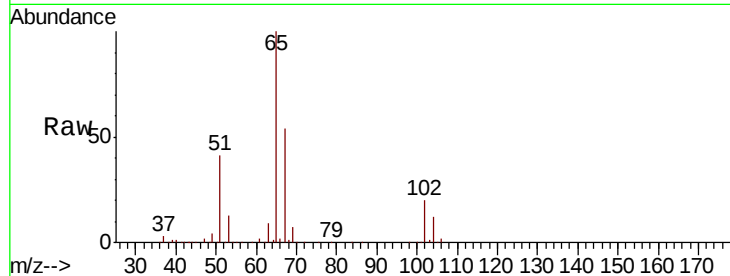
VX0522WBSD01

Tot Ion: 65 Resp: 113834

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

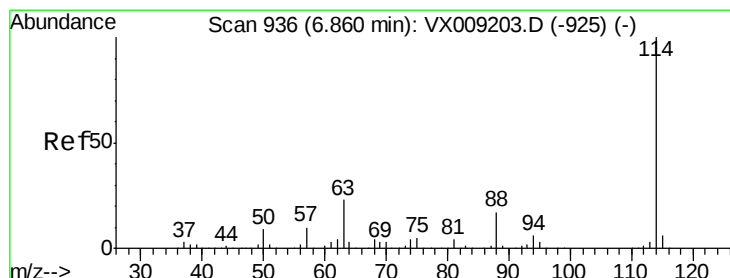
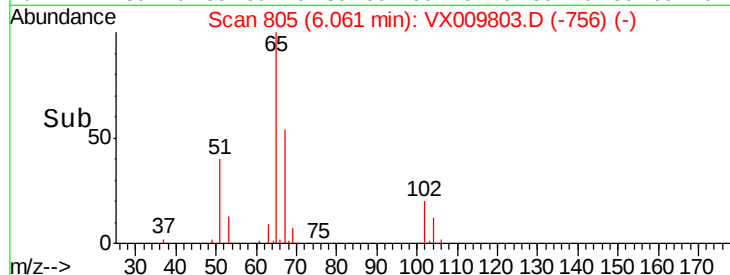
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

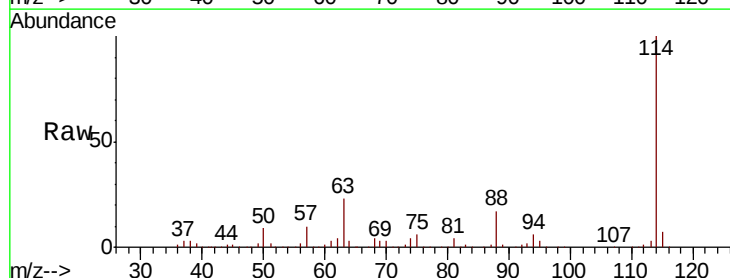
Tgt Ion: 114 Resp: 284796

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

88 16.7 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

150000

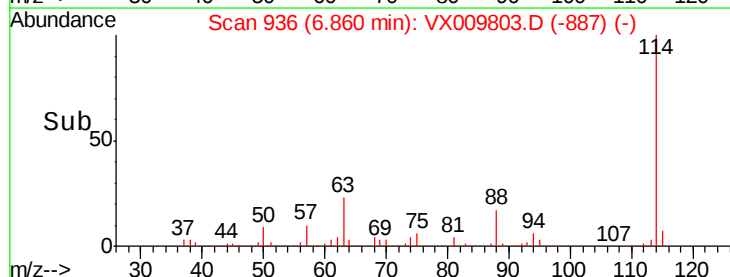
100000

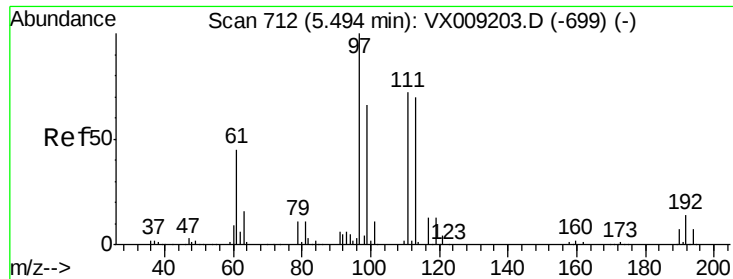
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 45.829 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

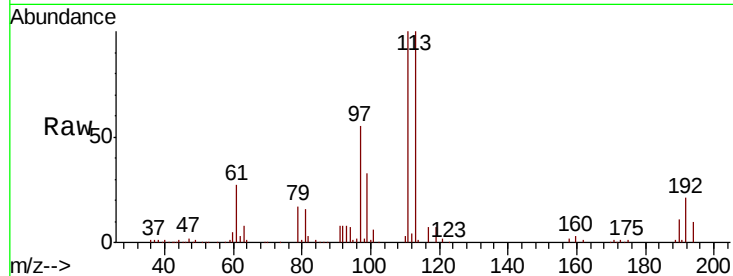
Tot Ion:113 Resp: 82049

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

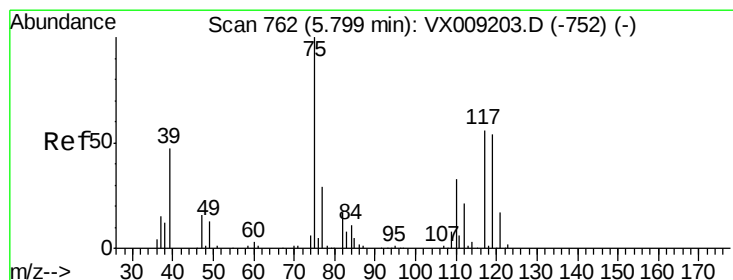
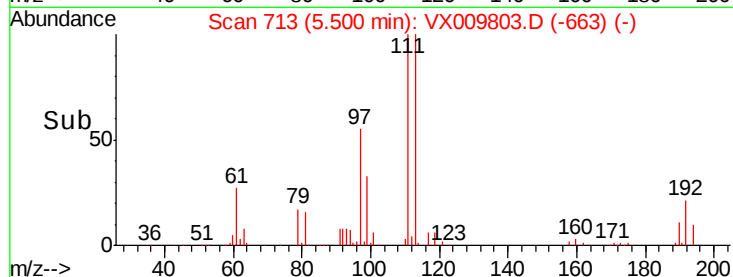
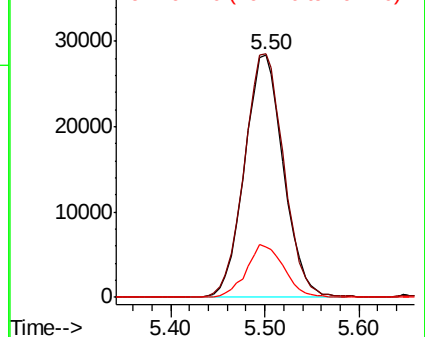
192 21.1 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.762 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

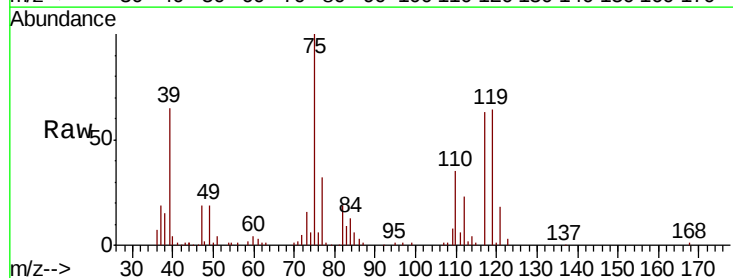
Tgt Ion: 75 Resp: 44362

Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

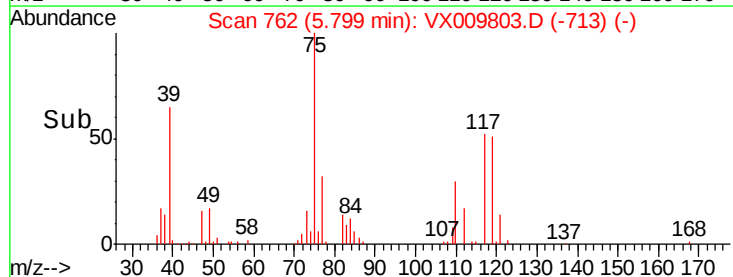
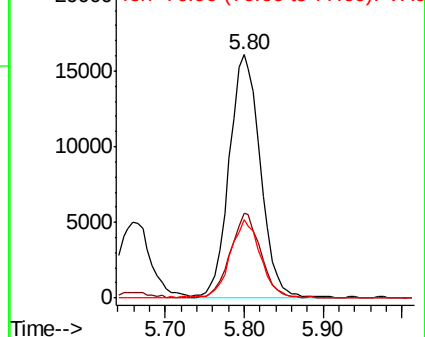
77 31.7 24.8 37.2

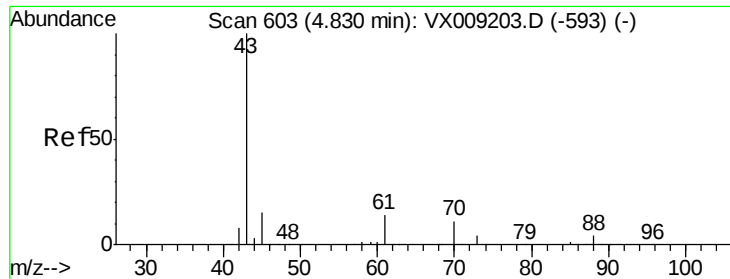


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

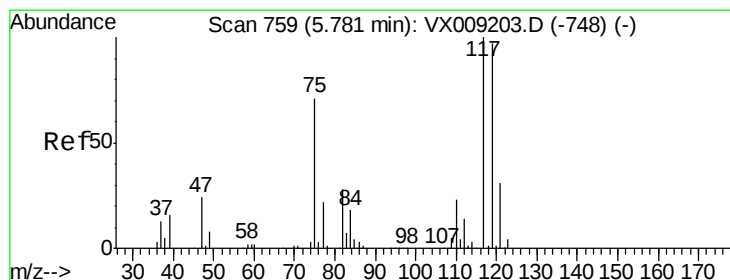
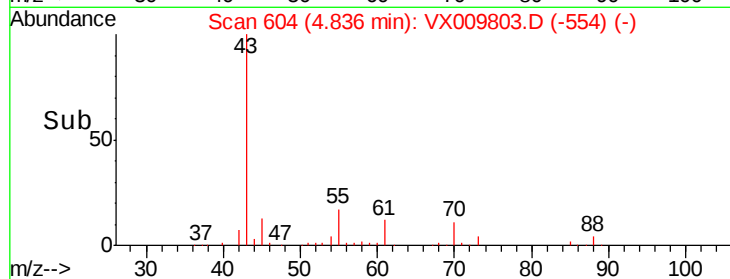
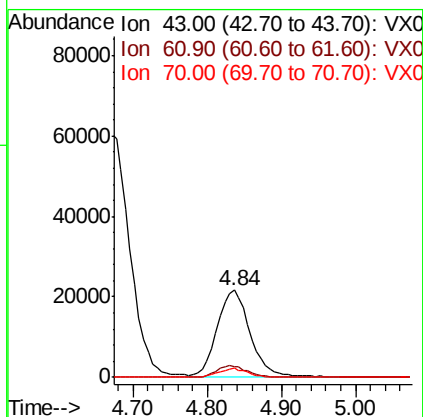
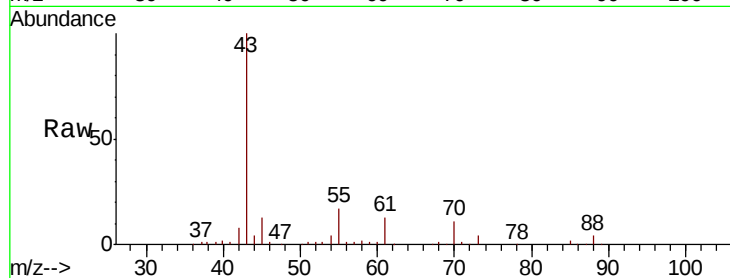




#37
Ethyl Acetate
Concen: 17.805 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

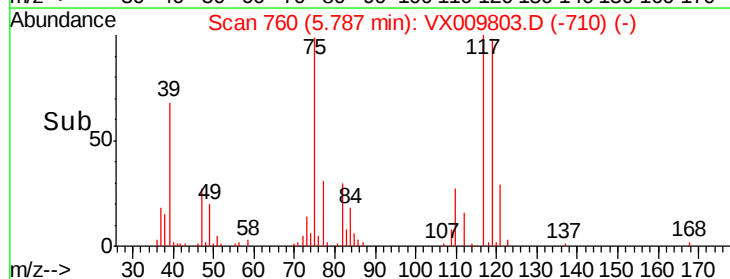
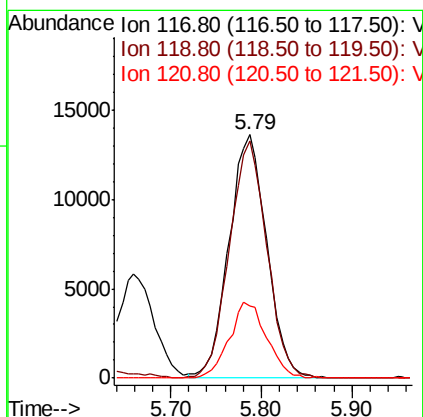
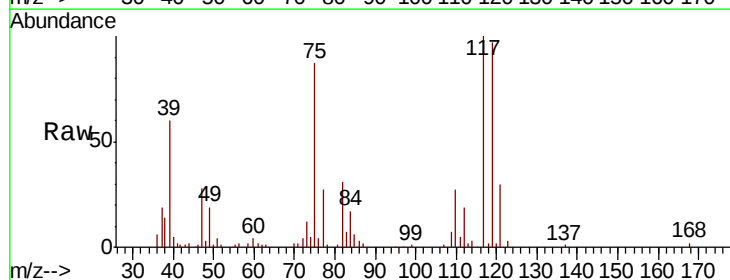
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

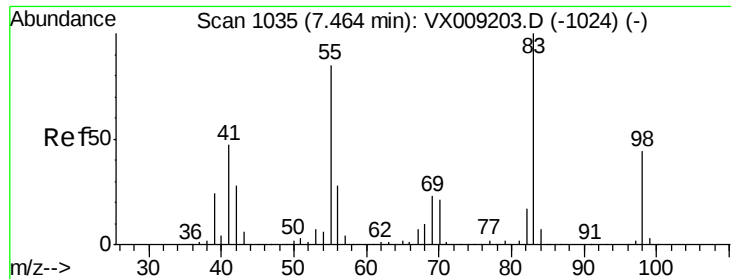
Tot Ion: 43 Resp: 65656
Ion Ratio Lower Upper
43 100
61 12.3 10.5 15.7
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 16.404 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 117 Resp: 39447
Ion Ratio Lower Upper
117 100
119 97.2 77.5 116.3
121 29.7 24.7 37.1

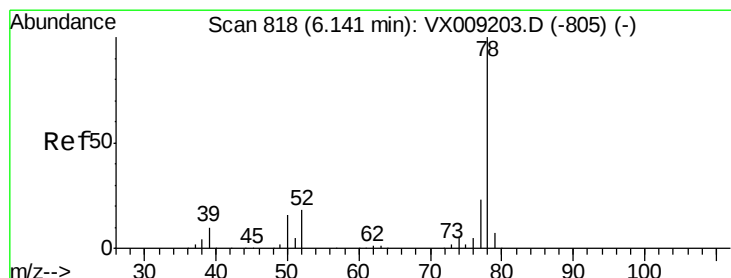
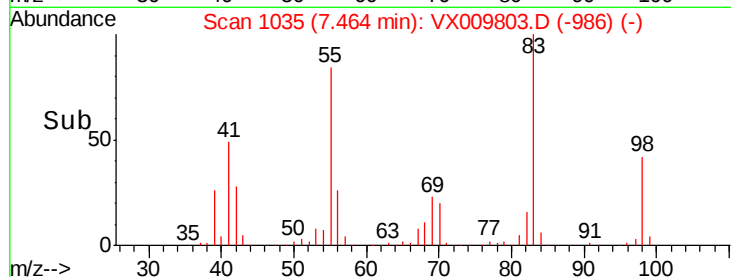
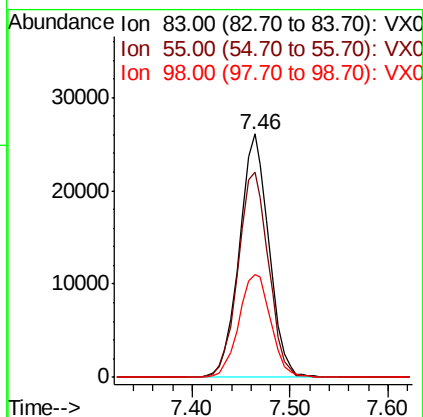
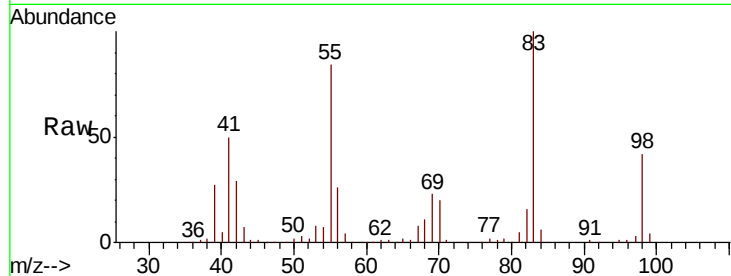




#39
Methvlcvclohexane
Concen: 16.803 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

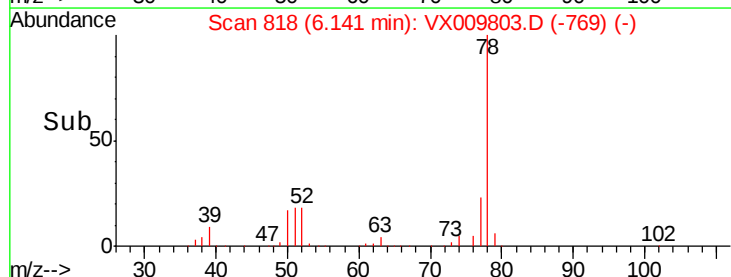
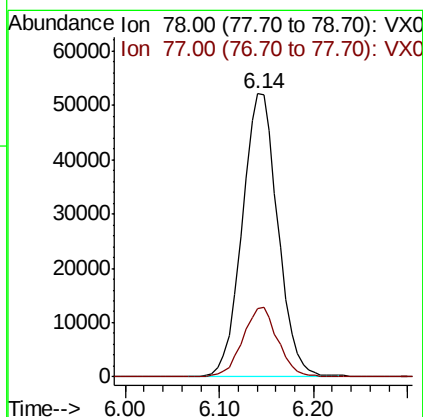
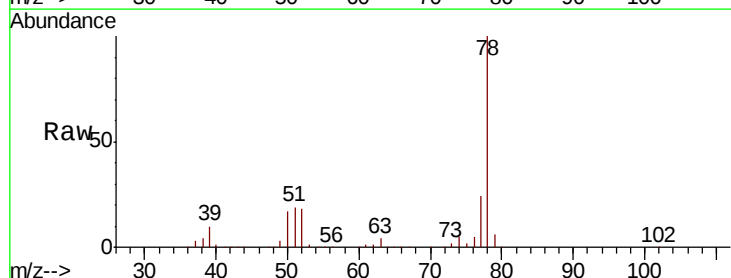
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

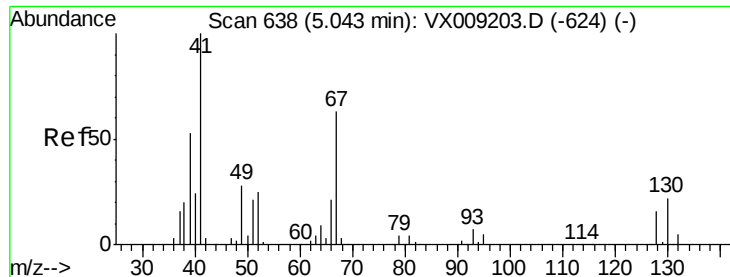
Tot Ion: 83 Resp: 54614
Ion Ratio Lower Upper
83 100
55 84.1 67.7 101.5
98 42.2 35.5 53.3



#40
Benzene
Concen: 16.872 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 78 Resp: 138196
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 16.653 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 41 Resp: 36555

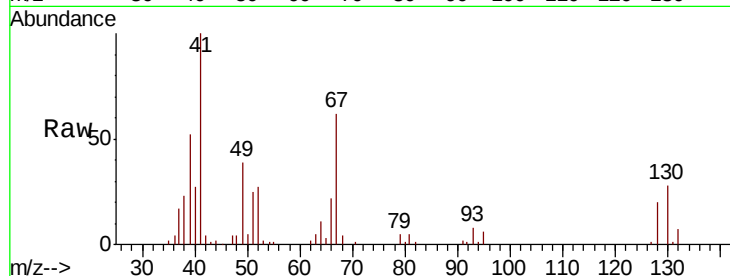
Ion Ratio Lower Upper

41 100

39 52.5 42.0 63.0

67 62.9 49.8 74.8

52 25.5 20.3 30.5

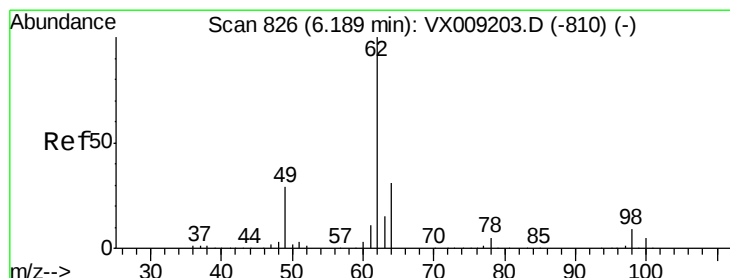
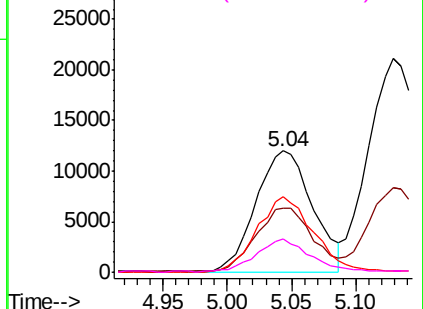
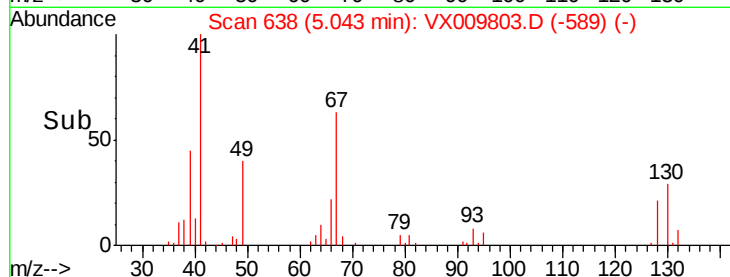


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 17.136 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009803.D

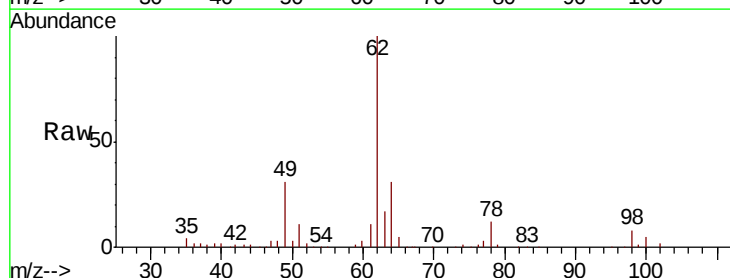
Acq: 22 May 2019 14:47

Tgt Ion: 62 Resp: 50350

Ion Ratio Lower Upper

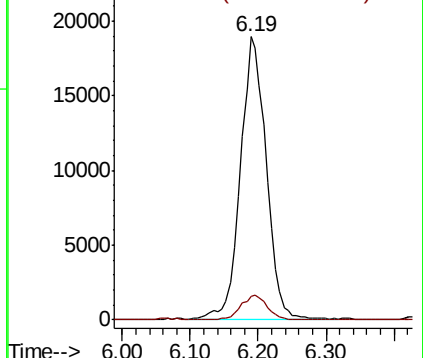
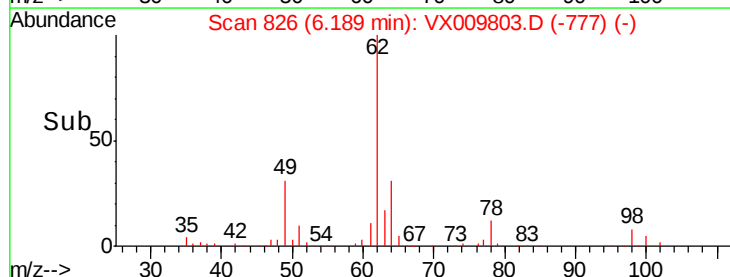
62 100

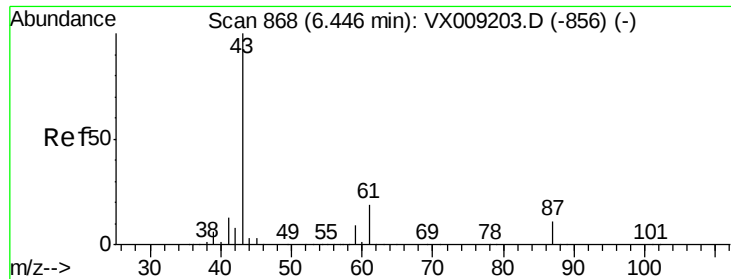
98 8.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.213 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

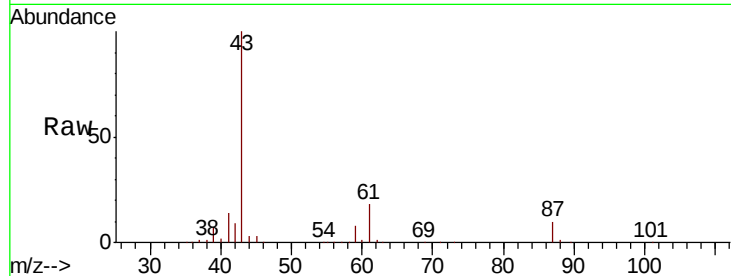
Tot Ion: 43 Resp: 101530

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

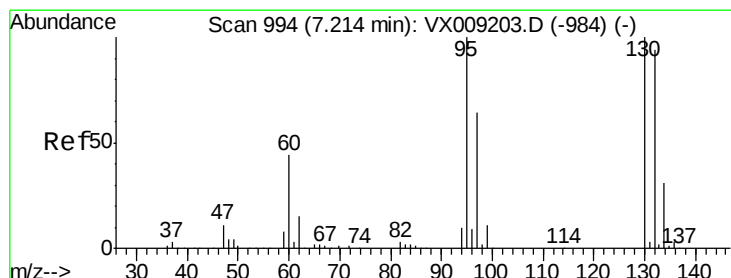
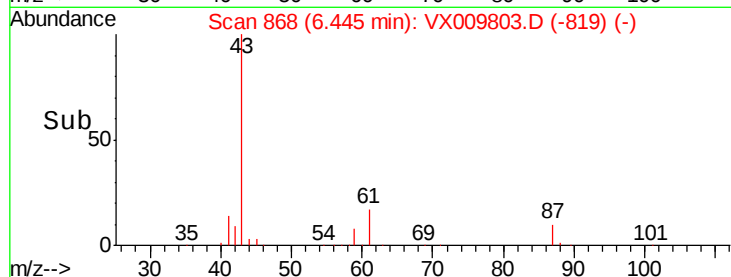
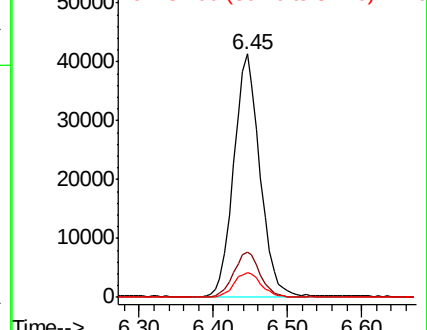
87 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 16.429 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009803.D

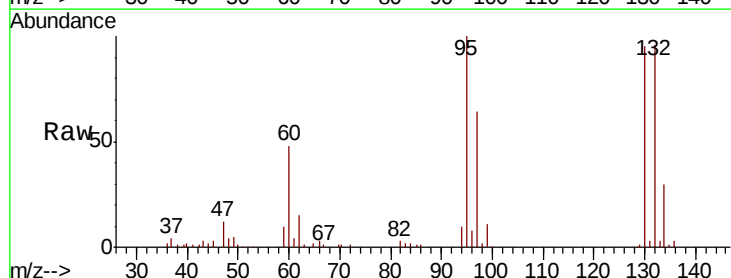
Acq: 22 May 2019 14:47

Tgt Ion:130 Resp: 32533

Ion Ratio Lower Upper

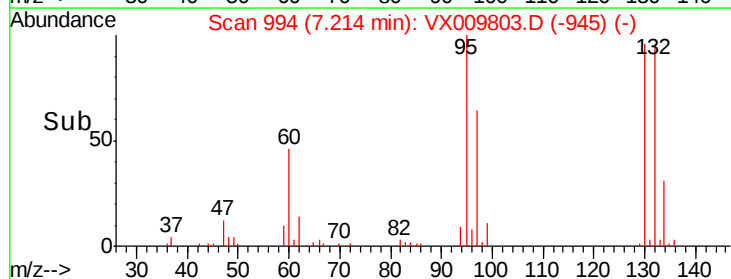
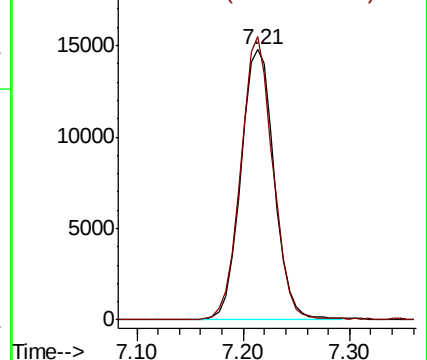
130 100

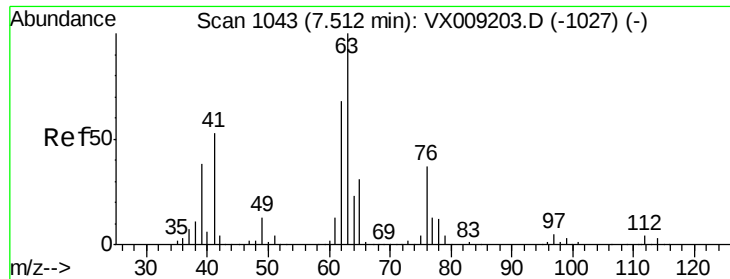
95 104.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

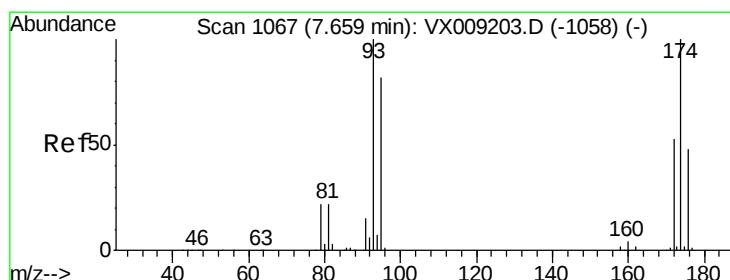
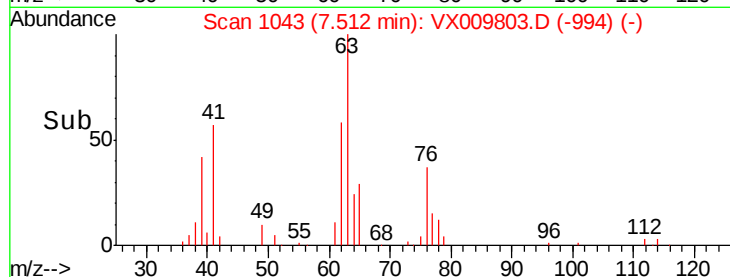
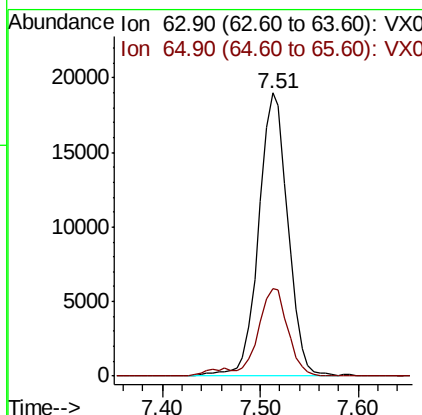
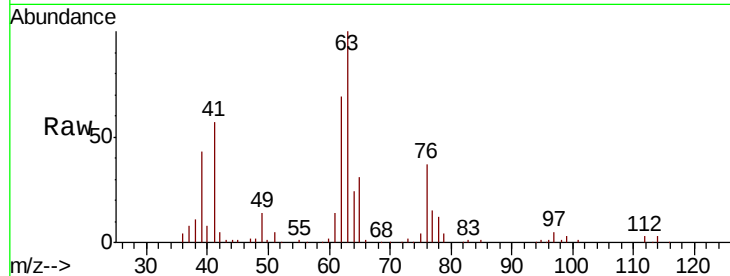




#45
 1,2-Dichloropropane
 Concen: 16.957 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

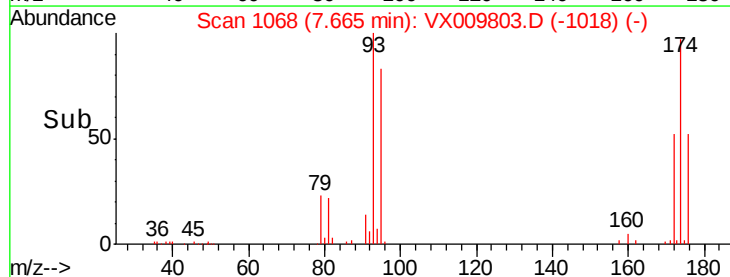
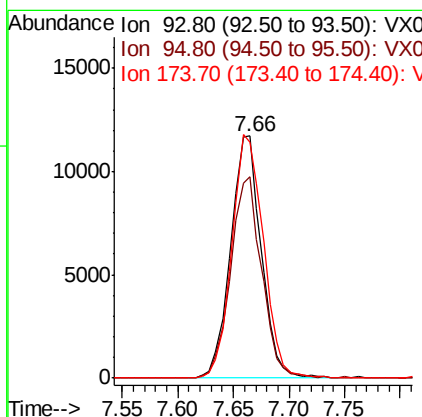
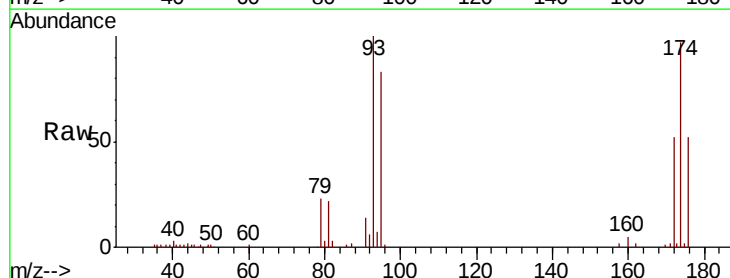
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

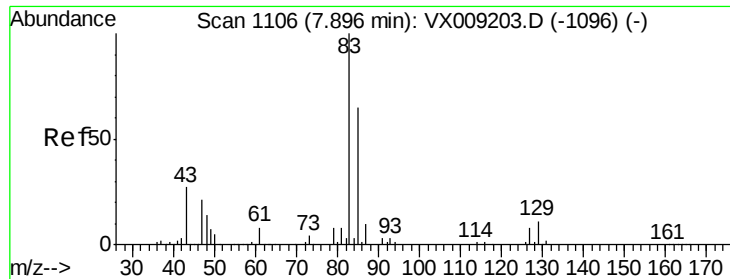
Tot Ion: 63 Resp: 39329
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 16.546 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion: 93 Resp: 22285
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.5 99.7
 174 103.8 82.1 123.1





#47

Bromodichloromethane

Concen: 16.281 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

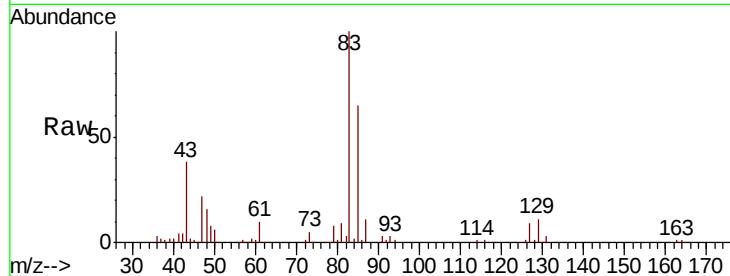
Tot Ion: 83 Resp: 43740

Ion Ratio Lower Upper

83 100

85 65.0 52.4 78.6

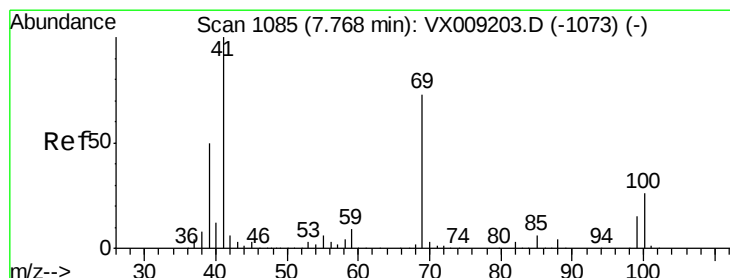
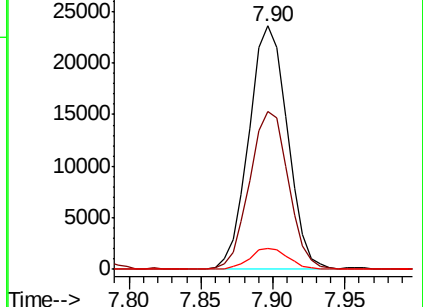
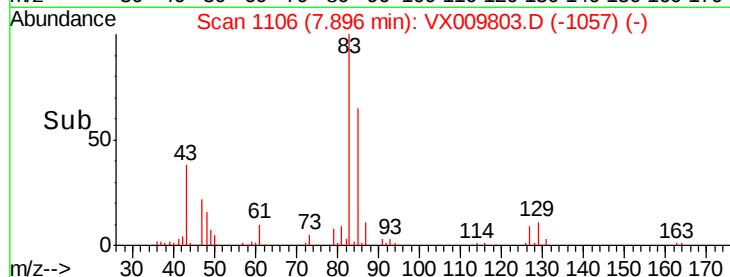
127 8.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.588 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

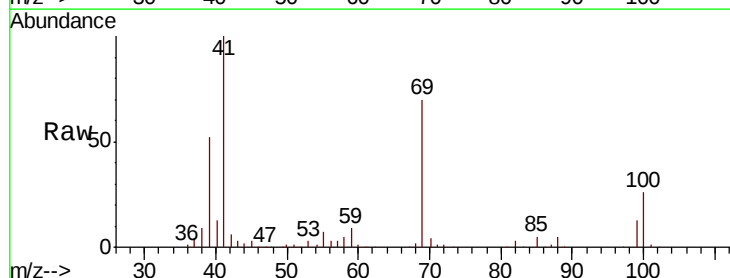
Tgt Ion: 41 Resp: 51470

Ion Ratio Lower Upper

41 100

69 71.5 59.1 88.7

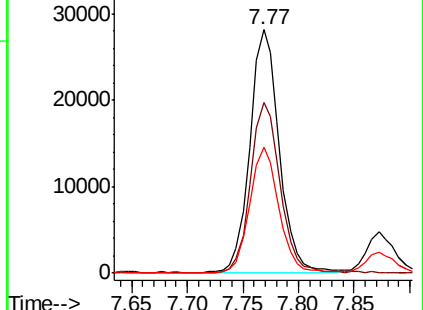
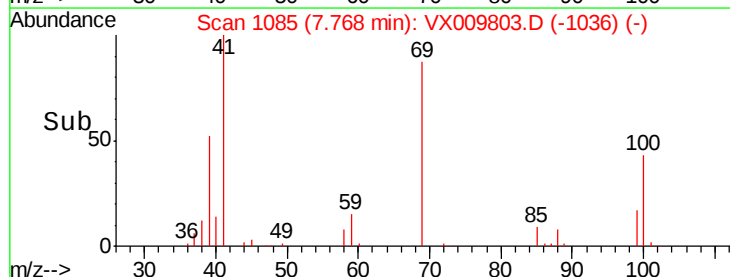
39 51.6 40.4 60.6

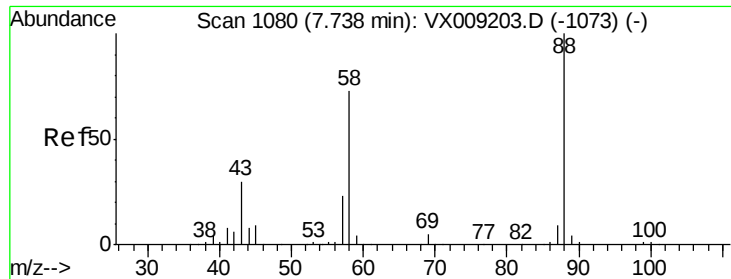


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

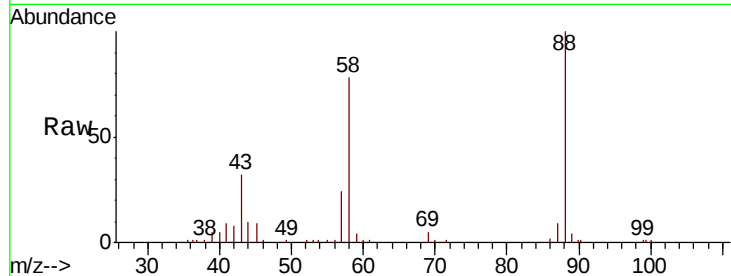




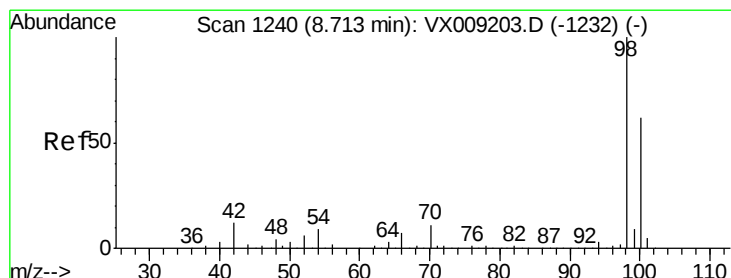
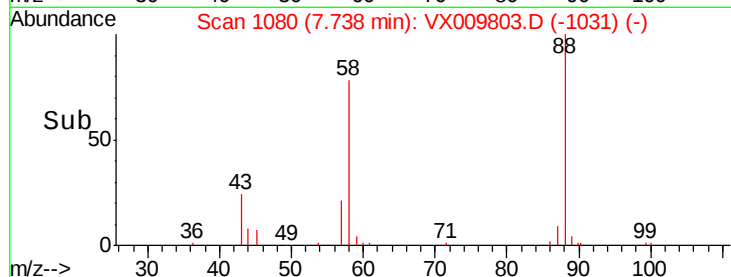
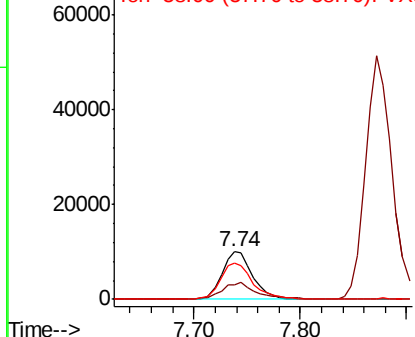
#49
1,4-Dioxane
Concen: 337.527 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion: 88 Resp: 20031
Ion Ratio Lower Upper
88 100
43 36.9 28.6 42.8
58 81.1 61.7 92.5

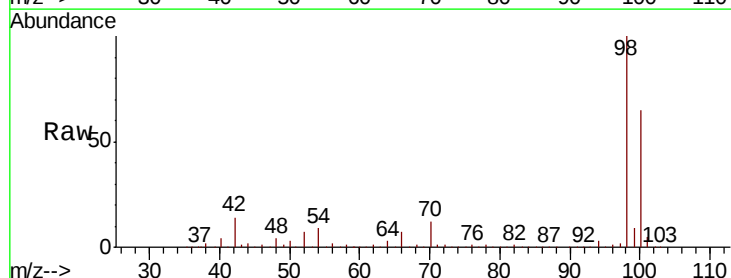


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

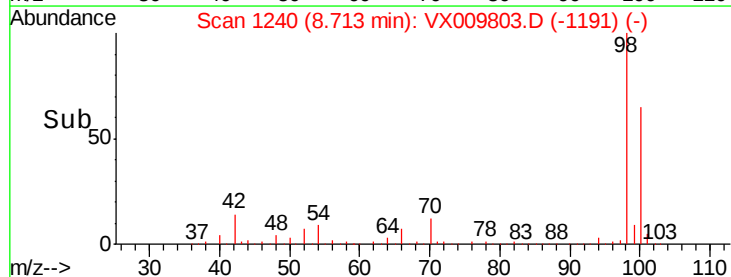
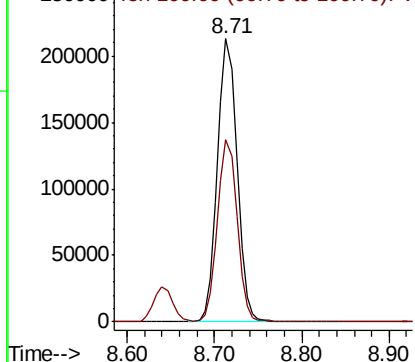


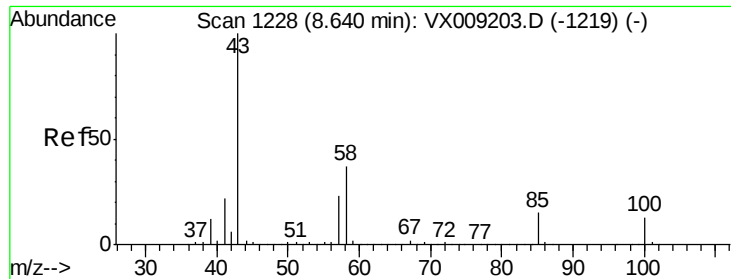
#50
Toluene-d8
Concen: 46.113 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 98 Resp: 333309
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 87.701 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

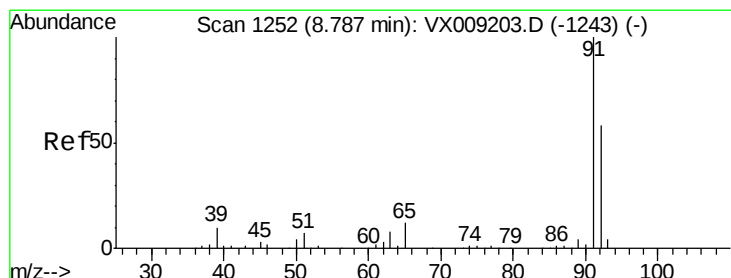
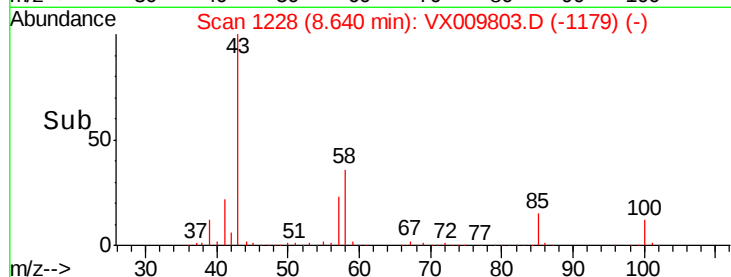
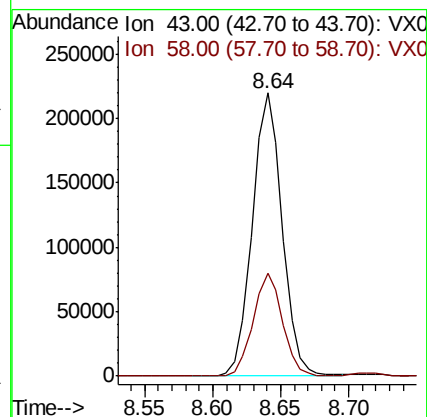
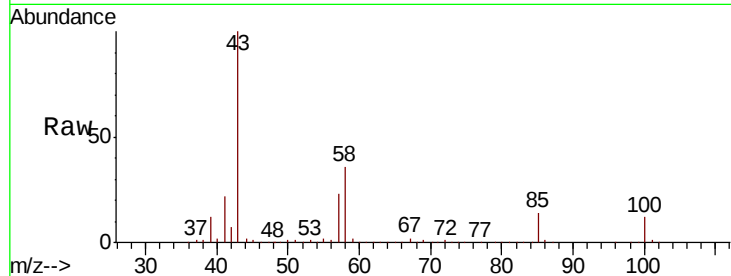
VX0522WBSD01

Tot Ion: 43 Resp: 338119

Ion Ratio Lower Upper

43 100

58 35.9 29.5 44.3



#52

Toluene

Concen: 16.827 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009803.D

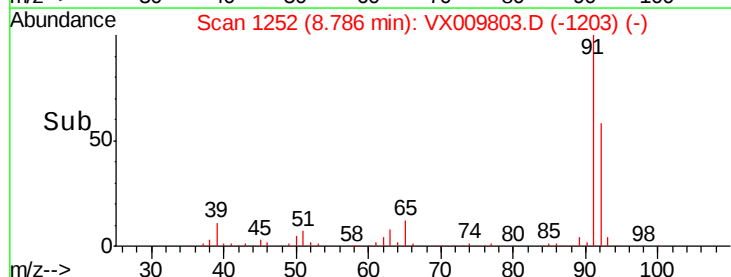
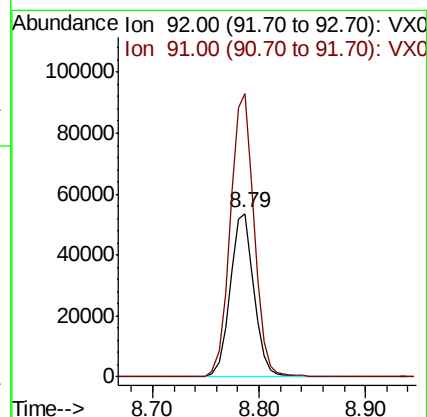
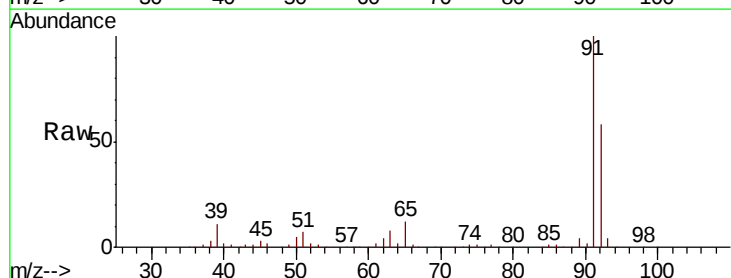
Acq: 22 May 2019 14:47

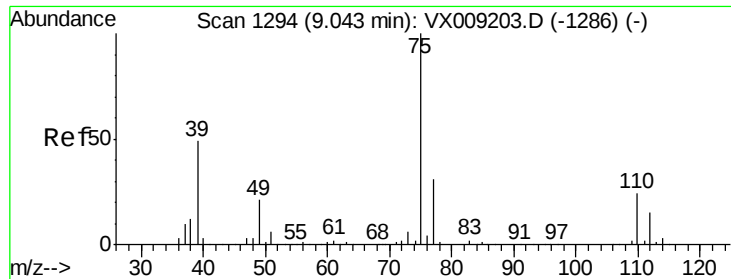
Tgt Ion: 92 Resp: 83781

Ion Ratio Lower Upper

92 100

91 173.5 138.8 208.2

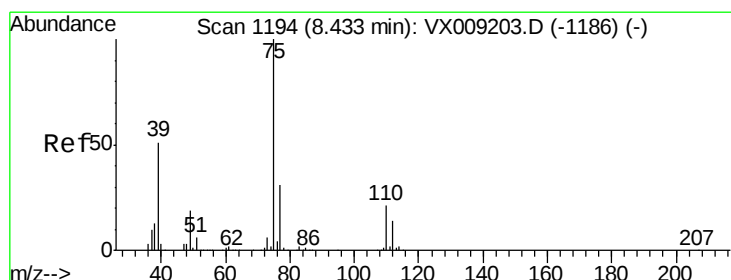
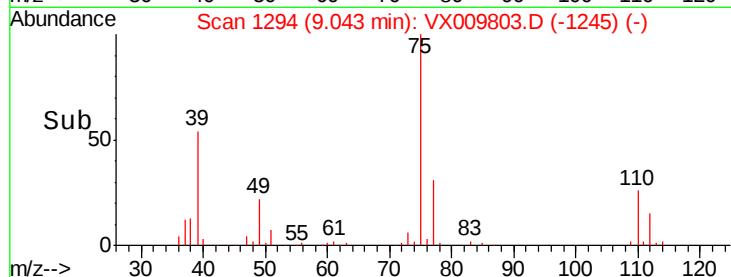
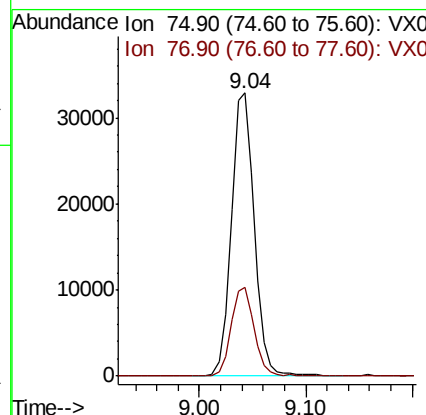
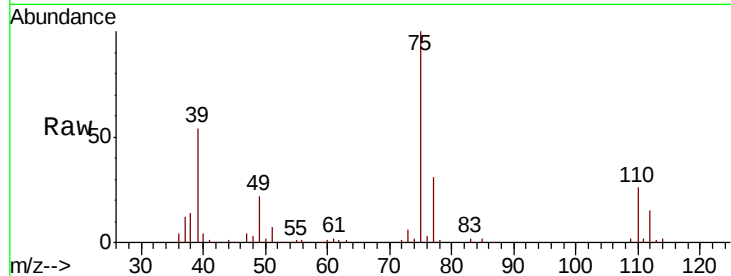




#53
 t-1,3-Dichloropropene
 Concen: 16.365 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

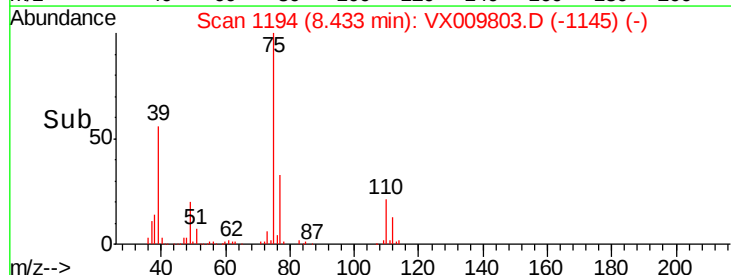
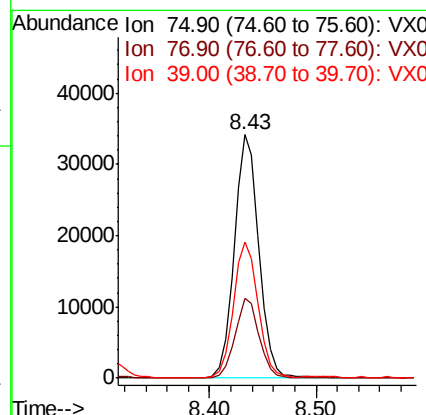
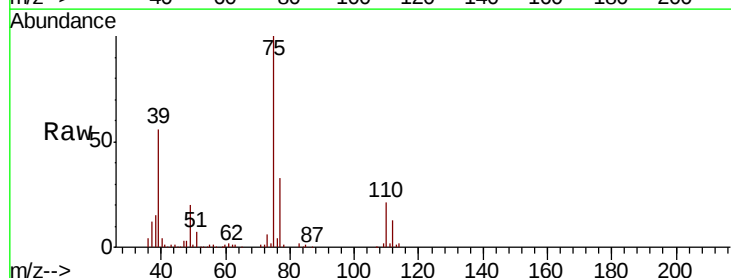
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

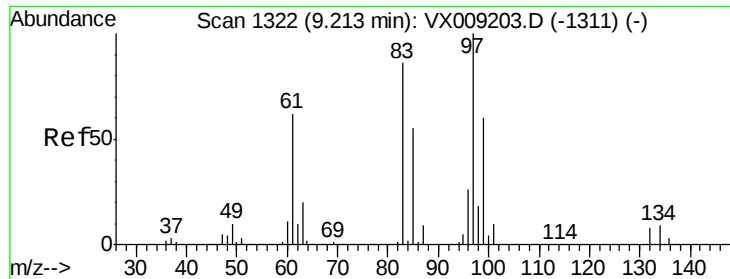
Tot Ion: 75 Resp: 49639
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 16.410 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion: 75 Resp: 55095
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 36.8
 39 55.8 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 16.520 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

Tot Ion: 97 Resp: 33558

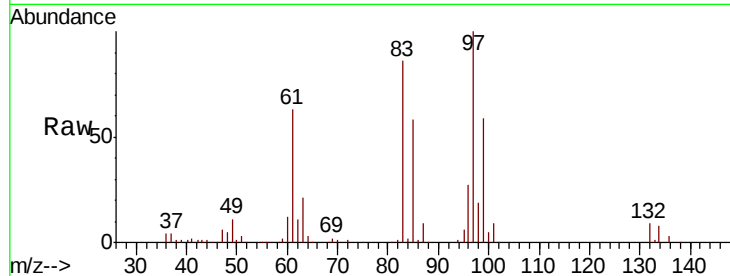
Ion Ratio Lower Upper

97 100

83 85.8 68.9 103.3

85 57.7 43.8 65.6

99 59.3 48.2 72.2

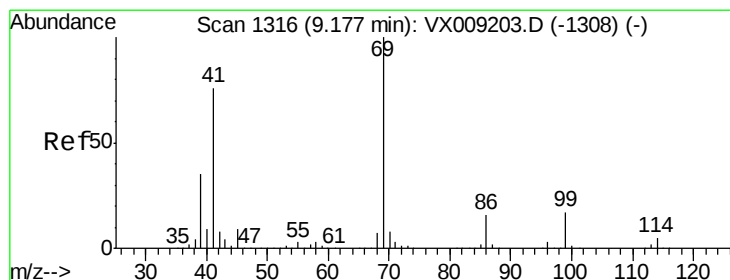
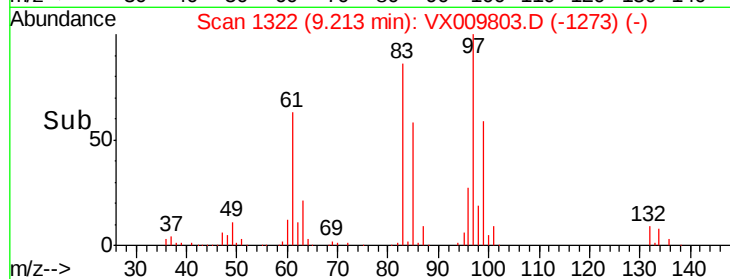
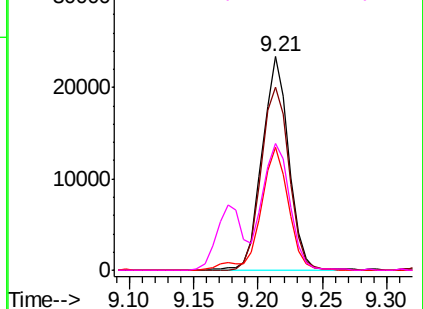


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 16.651 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

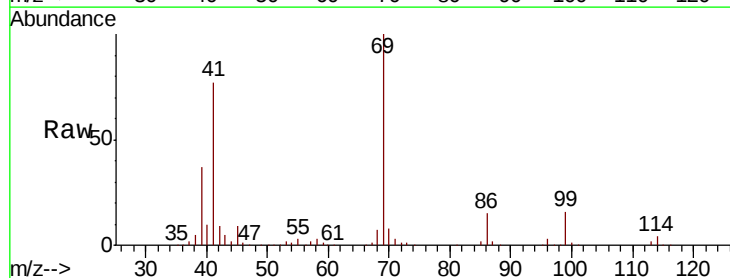
Tgt Ion: 69 Resp: 60378

Ion Ratio Lower Upper

69 100

41 78.9 60.6 90.8

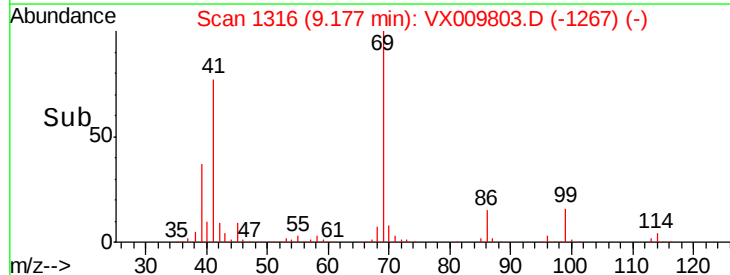
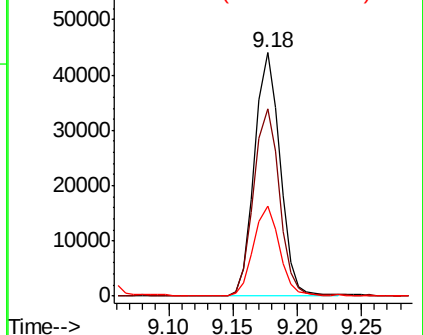
39 36.8 28.2 42.4

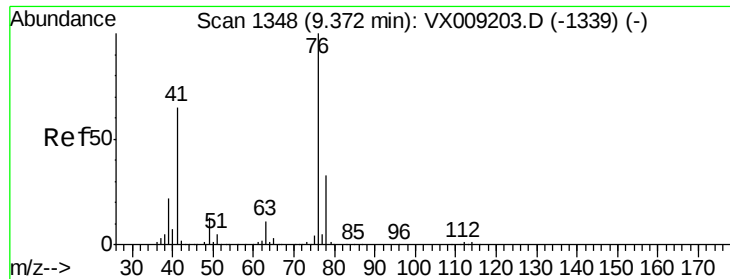


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

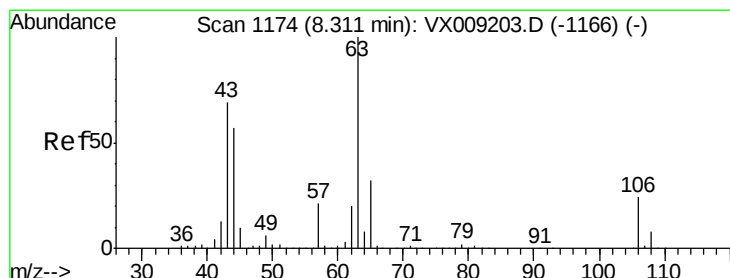
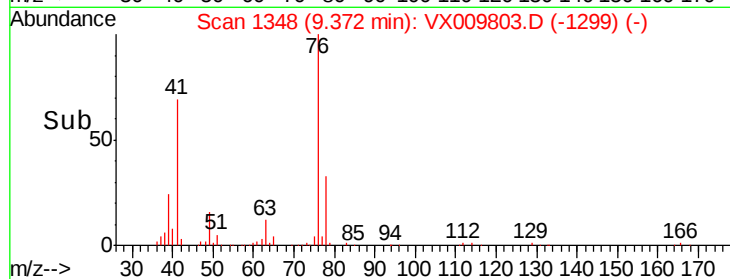
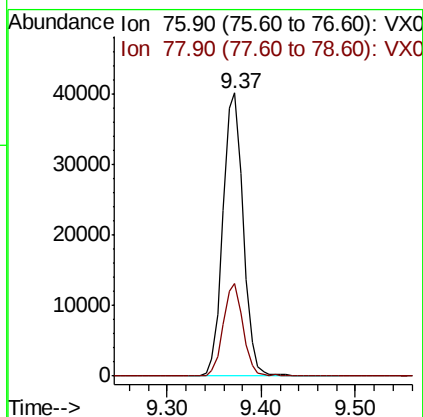
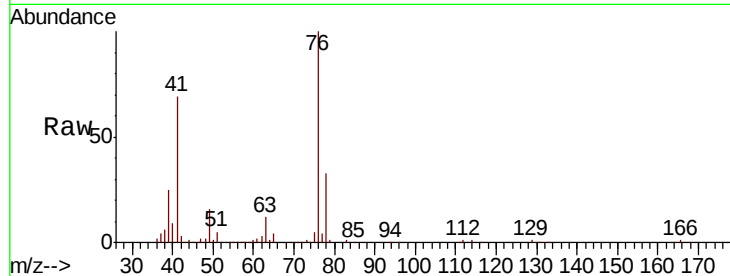




#57
 1,3-Dichloropropane
 Concen: 16.774 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

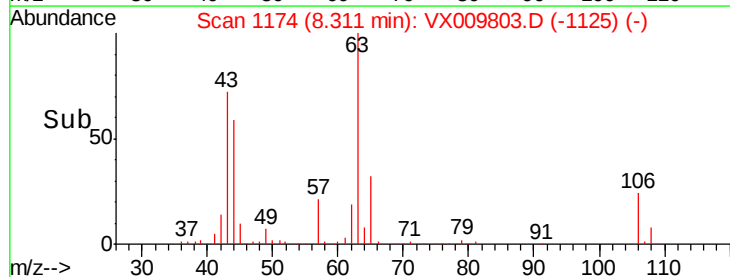
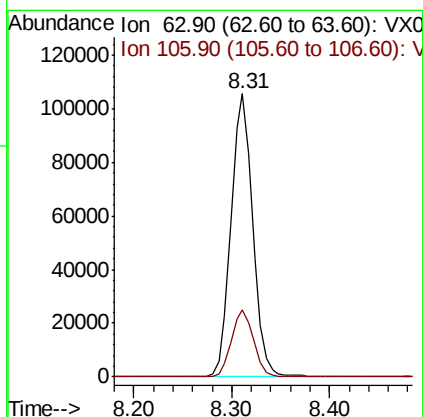
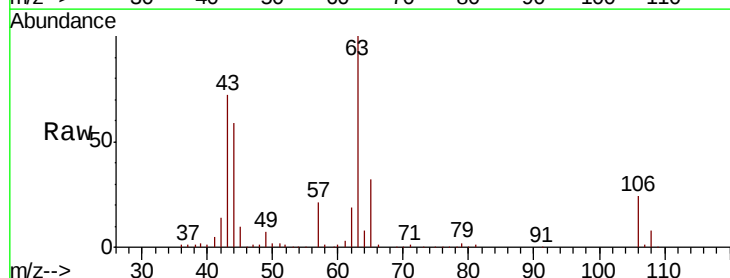
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

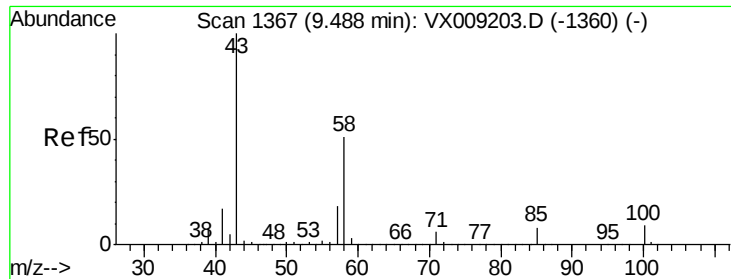
Tot Ion: 76 Resp: 59959
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.866 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion: 63 Resp: 163246
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.7 29.5

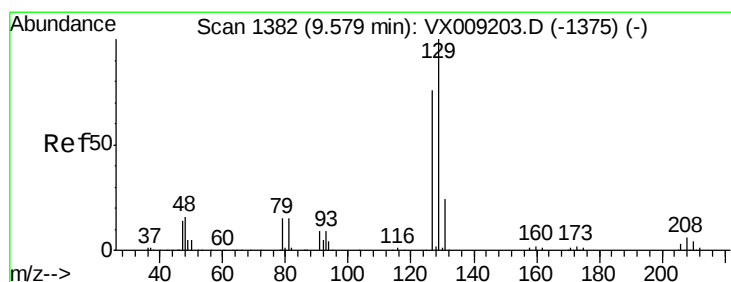
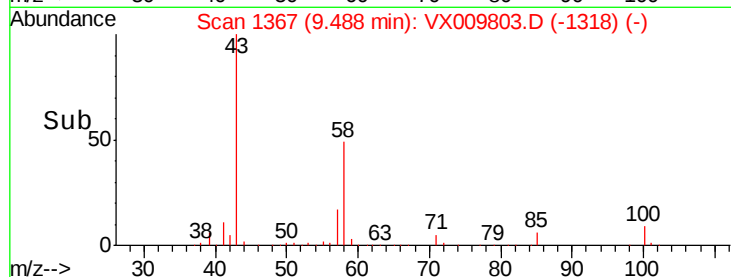
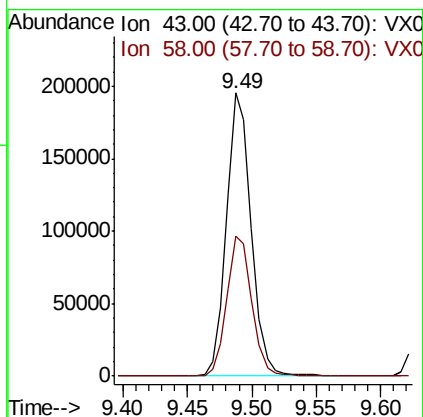
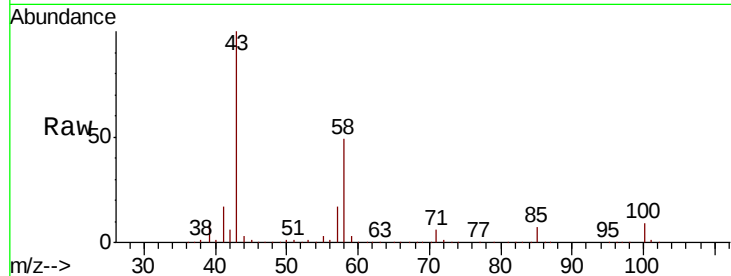




#59
2-Hexanone
Concen: 87.183 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

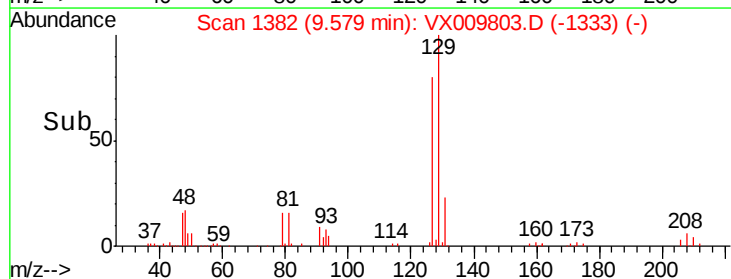
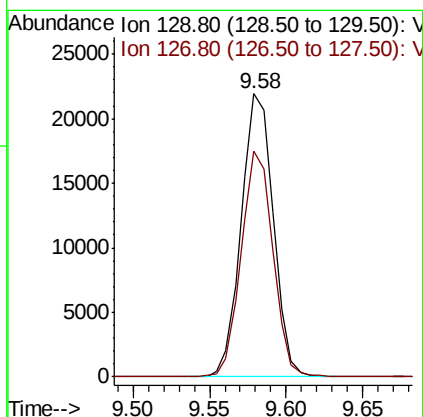
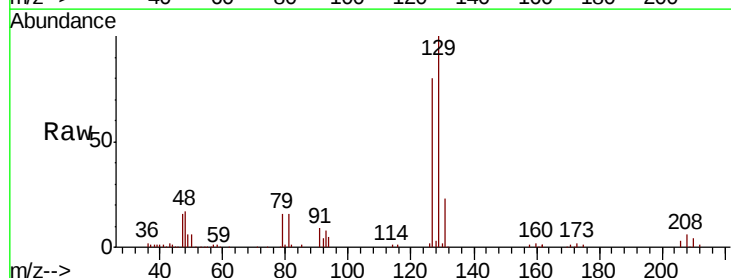
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

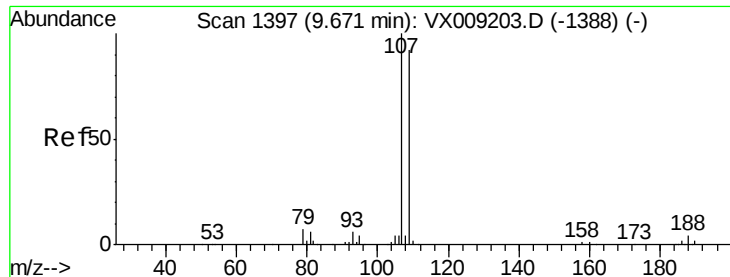
Tot Ion: 43 Resp: 263987
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7



#60
Dibromochloromethane
Concen: 16.113 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 129 Resp: 31967
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 16.647 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

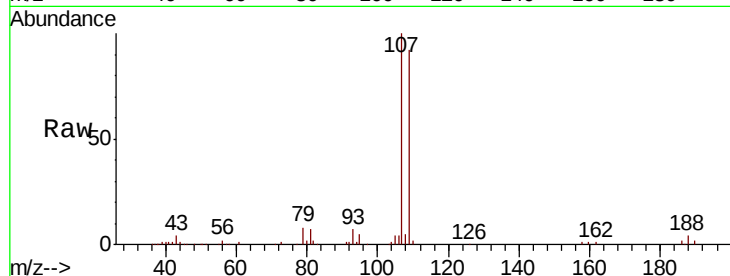
VX0522WBSD01

Tot Ion:107 Resp: 34134

Ion Ratio Lower Upper

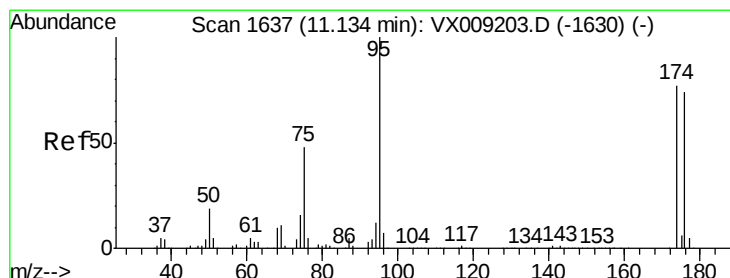
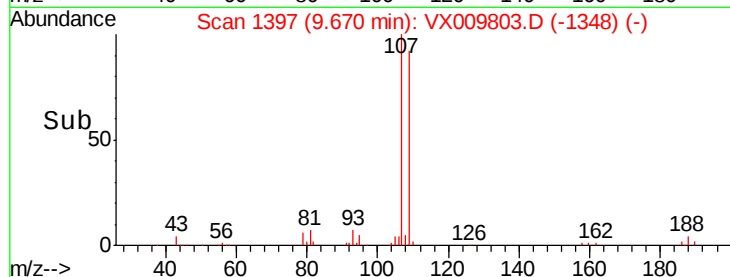
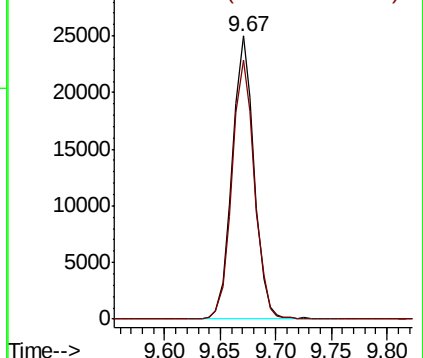
107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

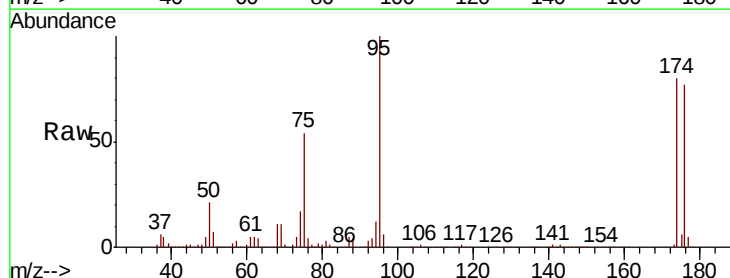
Tgt Ion: 95 Resp: 117973

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

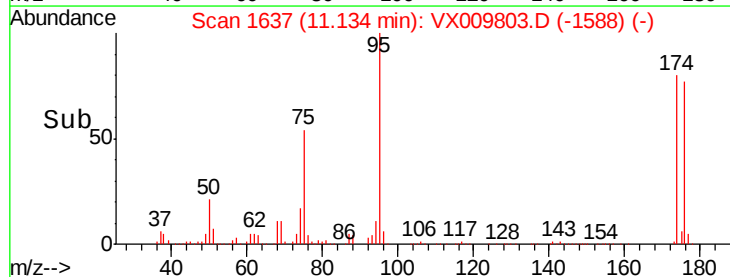
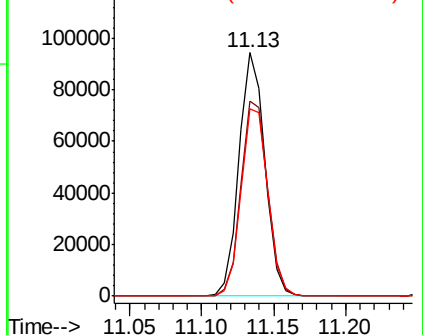
176 79.5 0.0 159.2

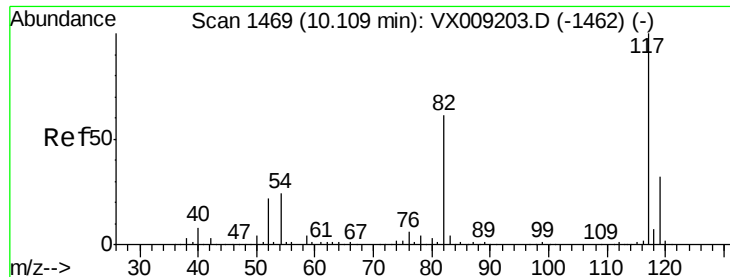


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

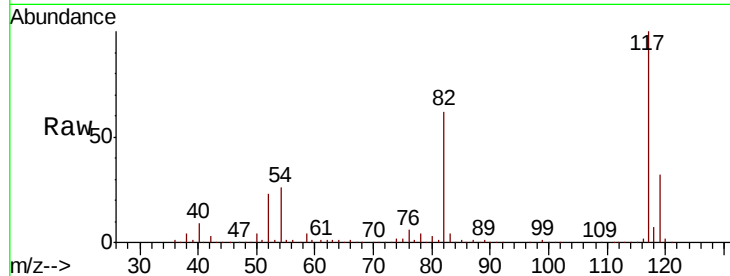




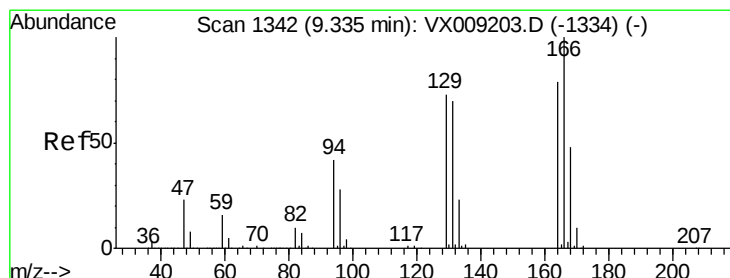
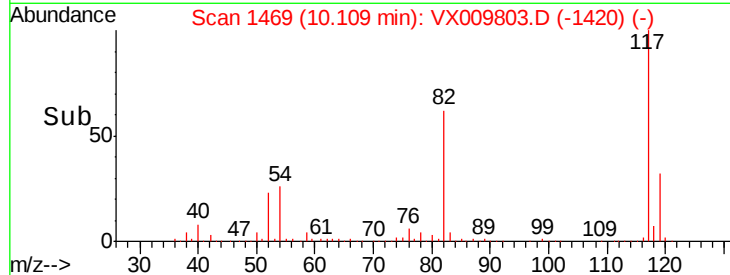
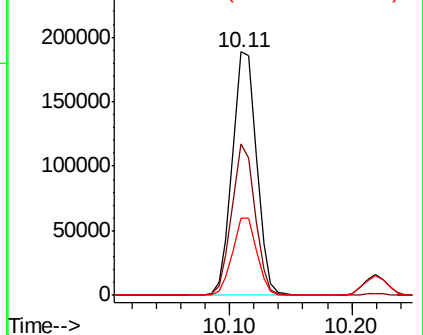
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion:117 Resp: 258985
Ion Ratio Lower Upper
117 100
82 62.0 48.8 73.2
119 31.7 25.8 38.6



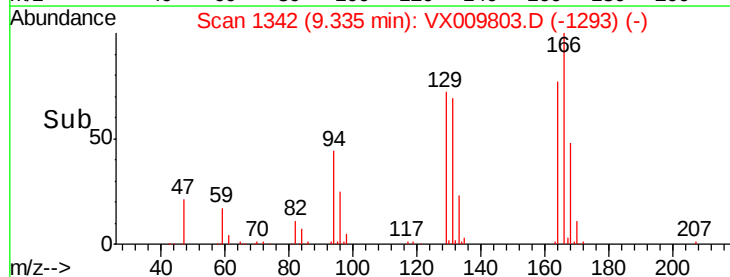
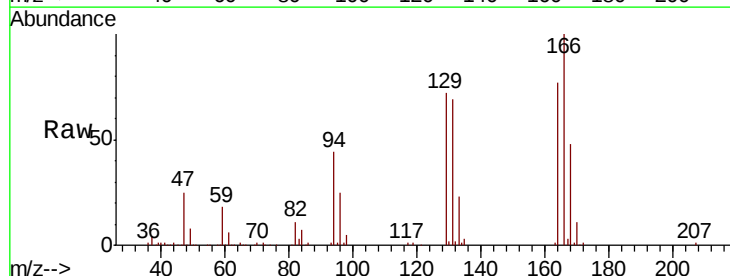
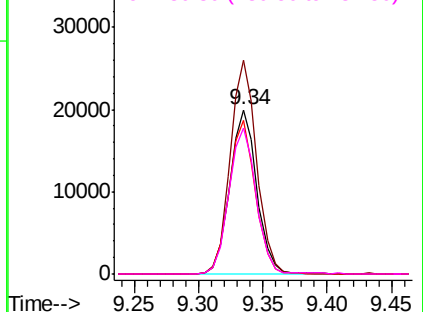
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

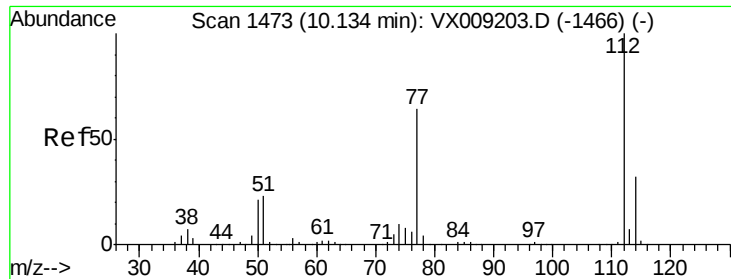


#64
Tetrachloroethene
Concen: 16.408 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion:164 Resp: 29149
Ion Ratio Lower Upper
164 100
166 129.9 101.2 151.8
129 93.4 74.3 111.5
131 89.0 71.0 106.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

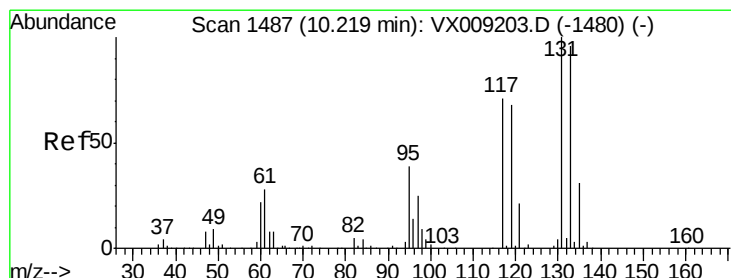
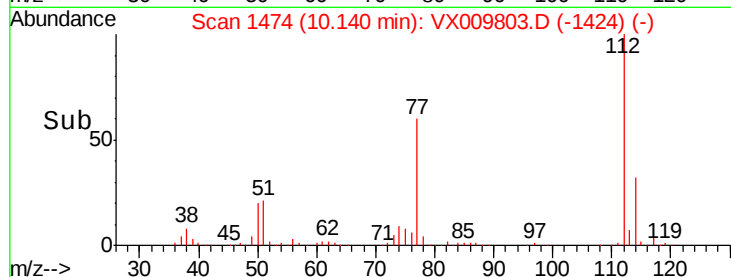
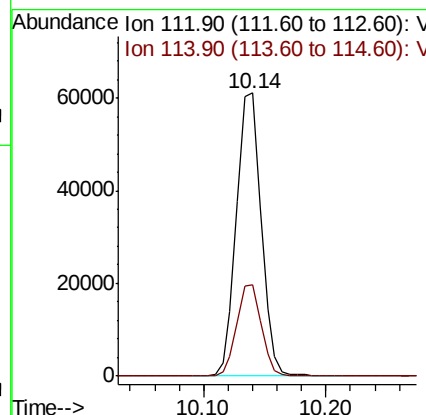
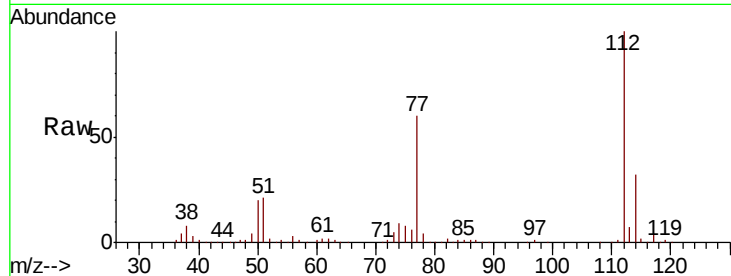




#65
Chlorobenzene
Concen: 16.479 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

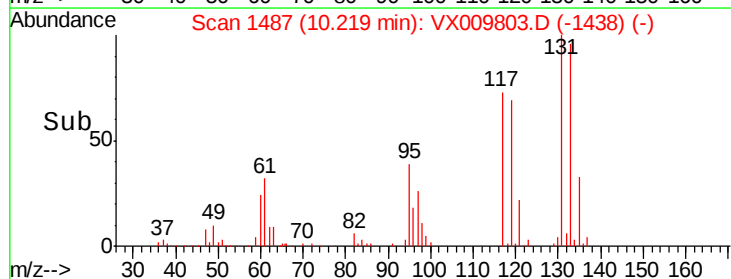
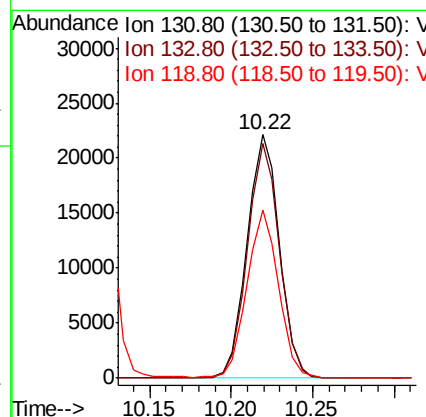
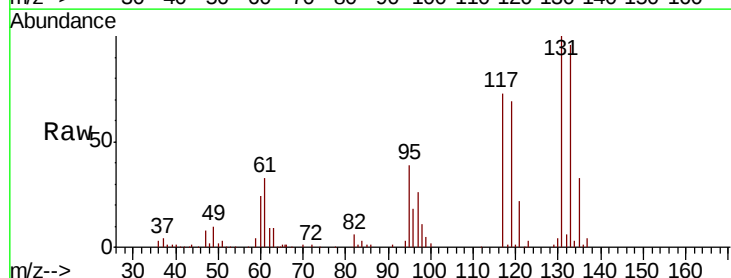
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

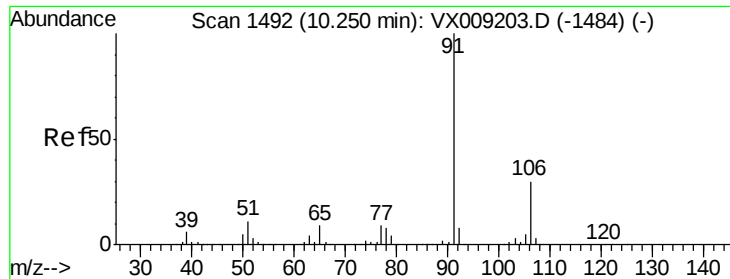
Tot Ion:112 Resp: 85378
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 16.246 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion:131 Resp: 30515
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 67.9 33.5 100.4

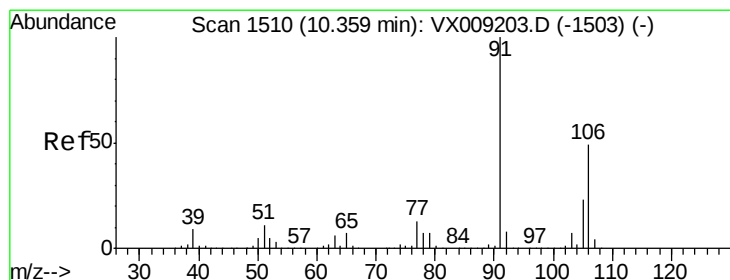
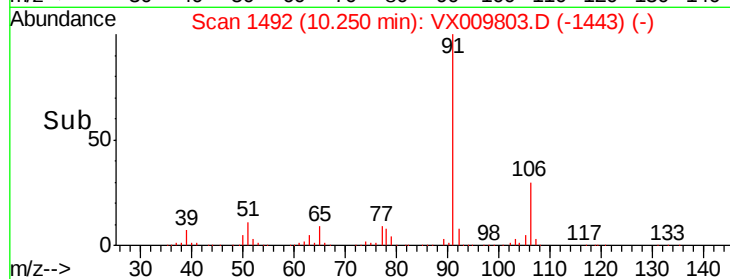
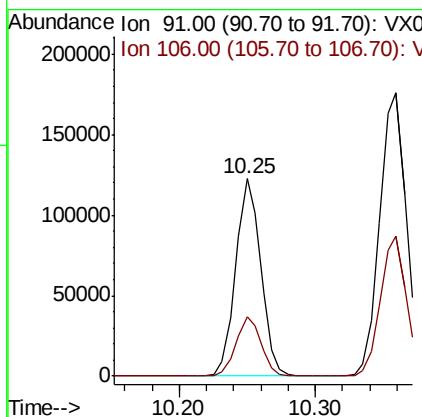
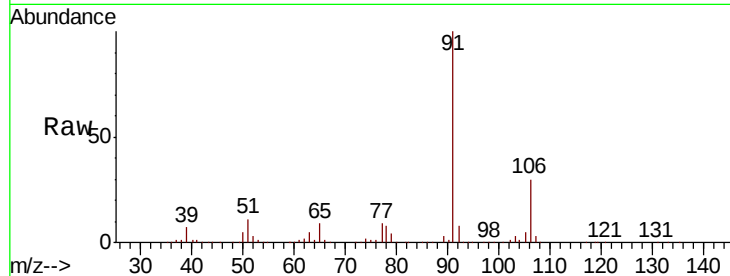




#67
Ethyl Benzene
Concen: 16.576 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

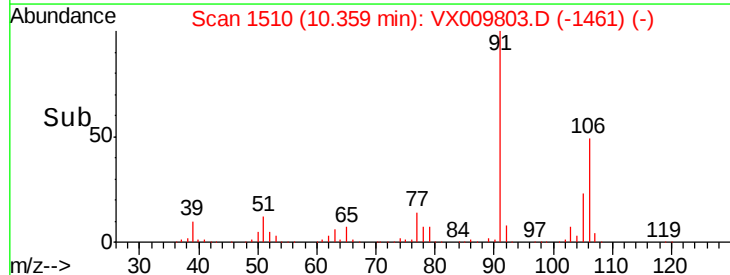
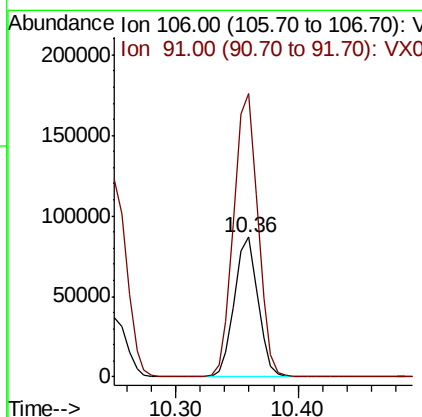
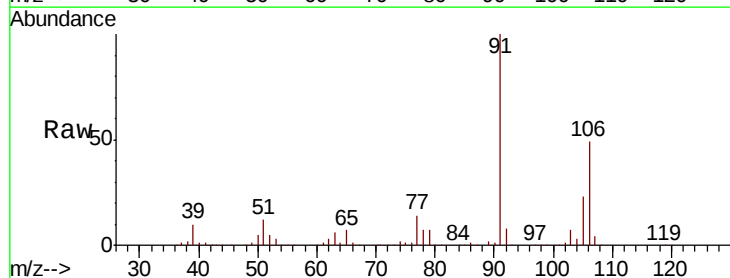
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

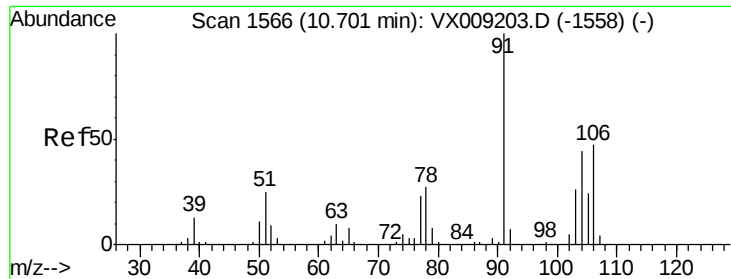
Tot Ion: 91 Resp: 158053
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0



#68
m/p-Xylenes
Concen: 33.290 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion: 106 Resp: 115994
Ion Ratio Lower Upper
106 100
91 207.5 164.0 246.0

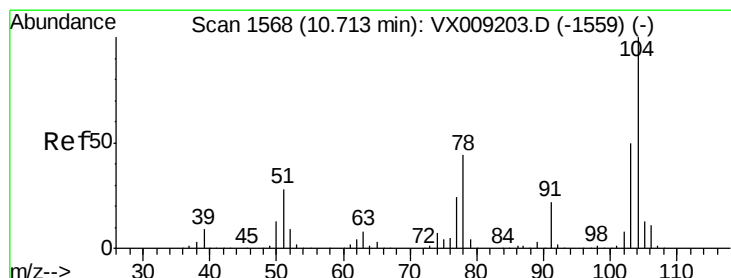
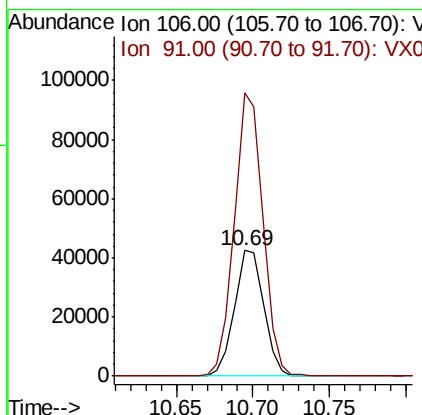
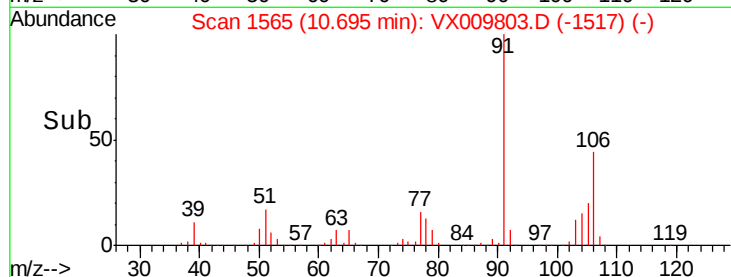
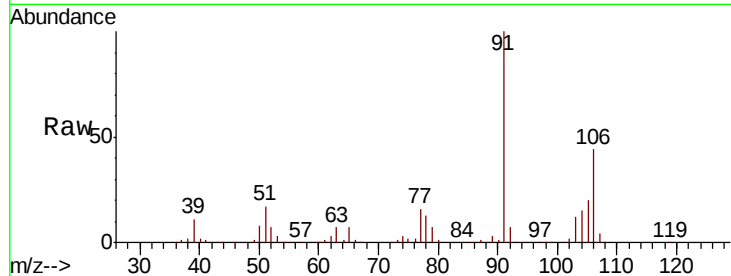




#69
o-Xylene
Concen: 16.458 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

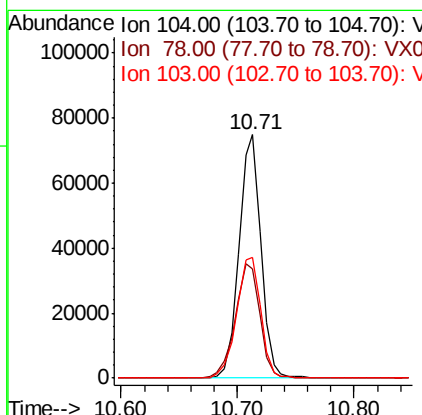
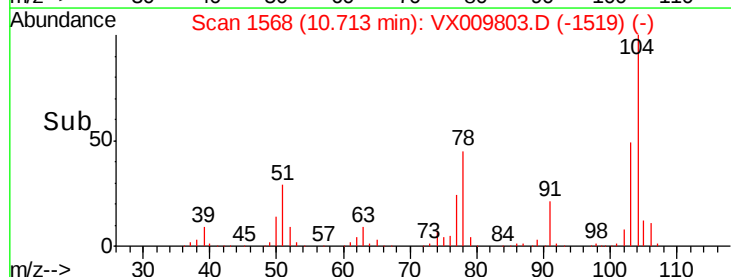
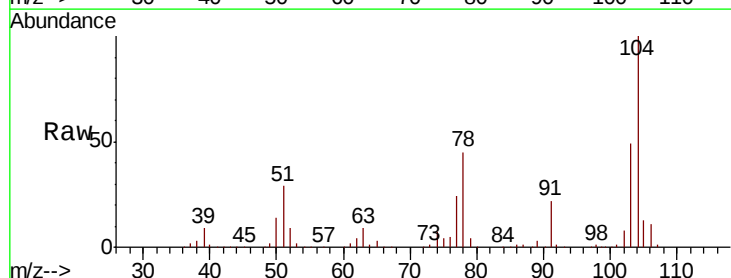
Instrument :
MSVOA_X
ClientSampled :
VX0522WBSD01

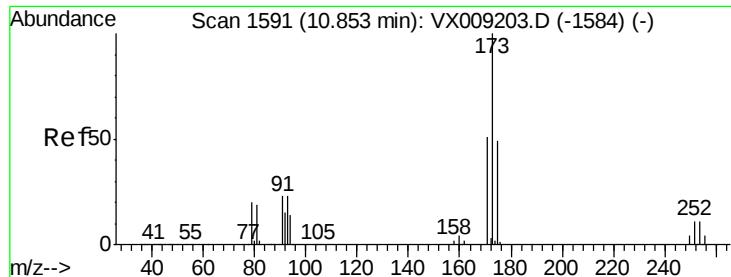
Tot Ion:106 Resp: 56579
Ion Ratio Lower Upper
106 100
91 220.4 109.5 328.4



#70
Styrene
Concen: 16.452 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion:104 Resp: 98302
Ion Ratio Lower Upper
104 100
78 52.8 41.0 61.4
103 54.9 43.8 65.6





#71

Bromoform

Concen: 15.784 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

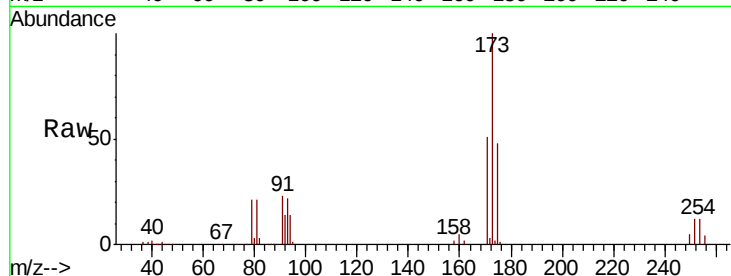
Tot Ion:173 Resp: 24093

Ion Ratio Lower Upper

173 100

175 49.5 24.5 73.5

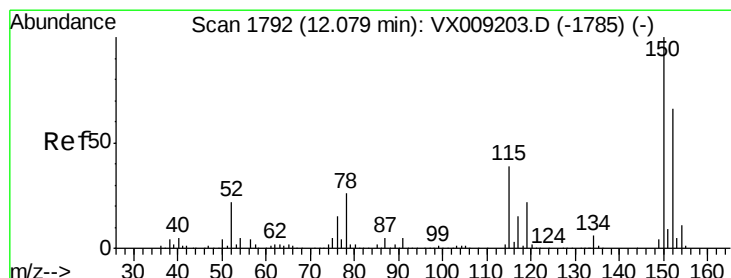
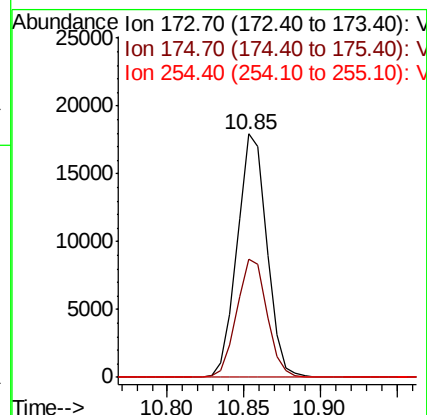
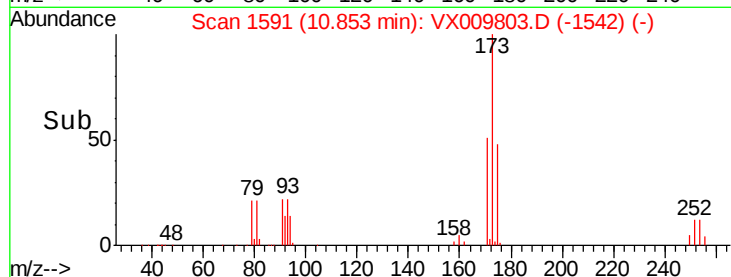
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

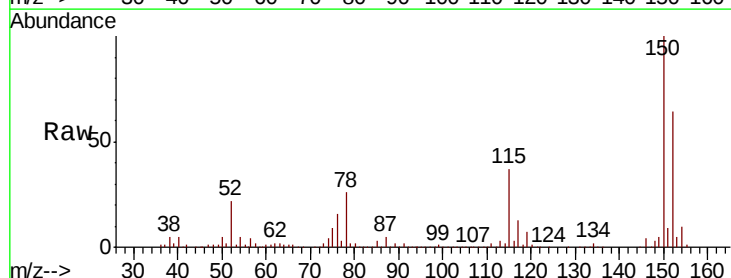
Tgt Ion:152 Resp: 124921

Ion Ratio Lower Upper

152 100

115 67.0 41.2 123.6

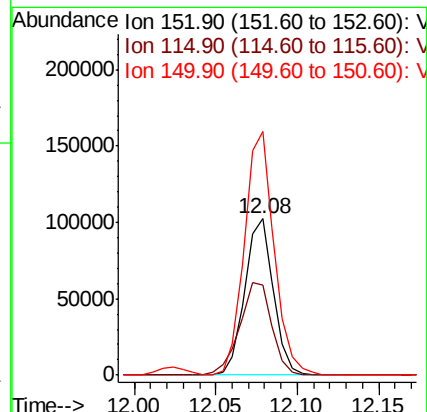
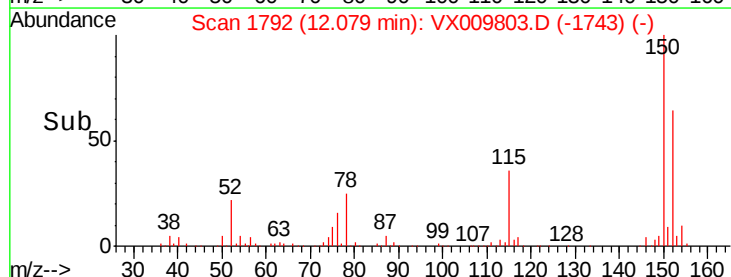
150 162.1 0.0 346.4

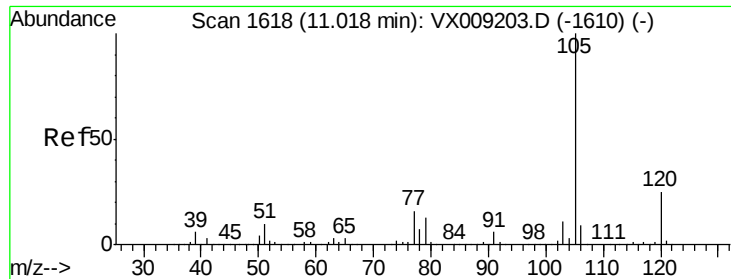


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.715 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

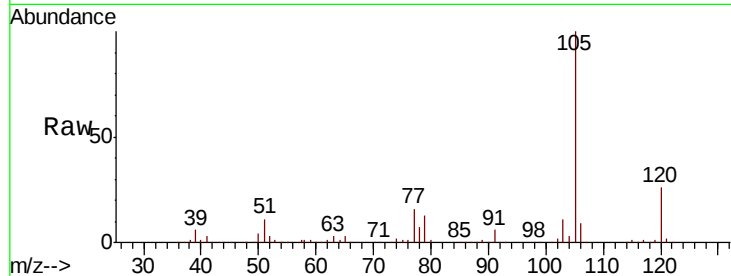
VX0522WBSD01

Tot Ion:105 Resp: 151845

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

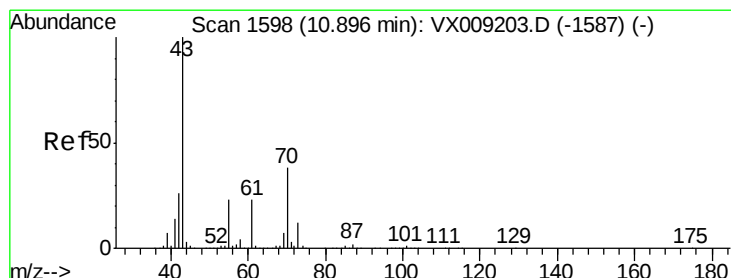
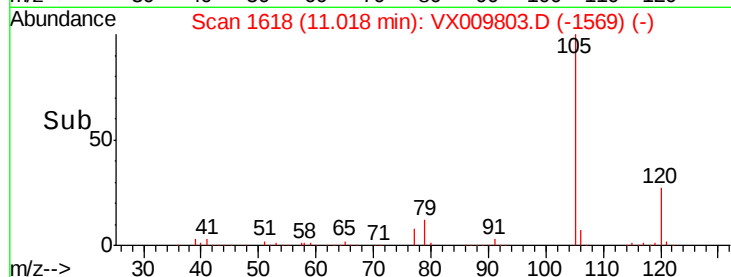
11.02

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 17.251 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Tgt Ion: 43 Resp: 91364

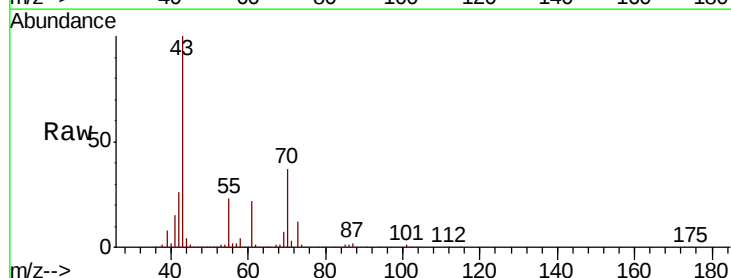
Ion Ratio Lower Upper

43 100

70 36.9 30.0 45.0

55 23.0 17.9 26.9

61 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

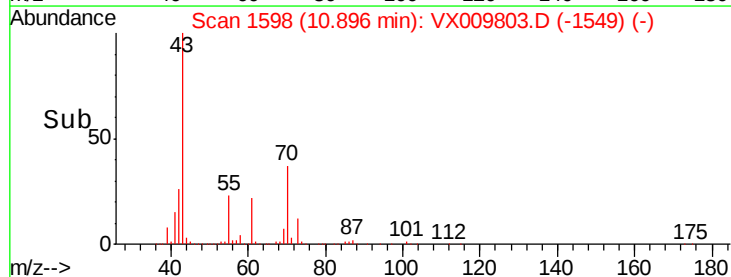
60000

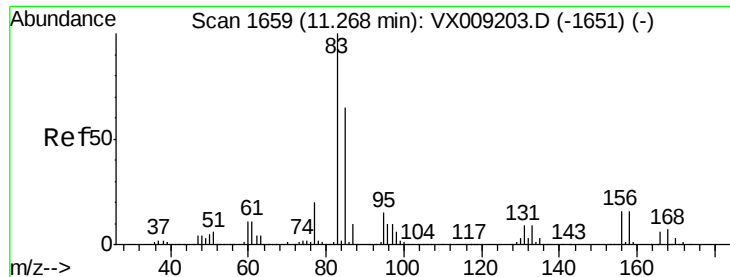
40000

20000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 16.453 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

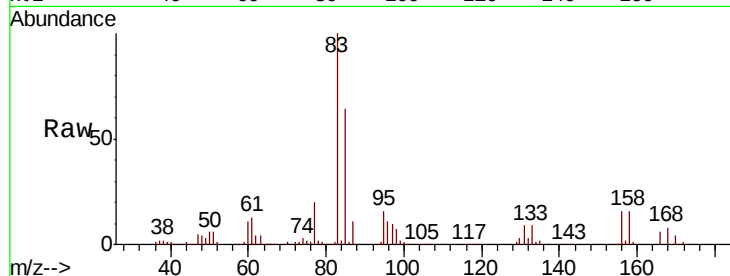
Tot Ion: 83 Resp: 55717

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

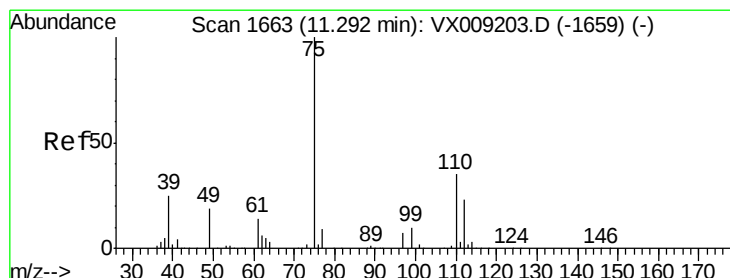
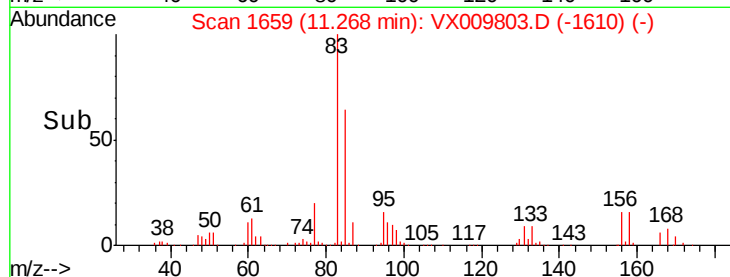
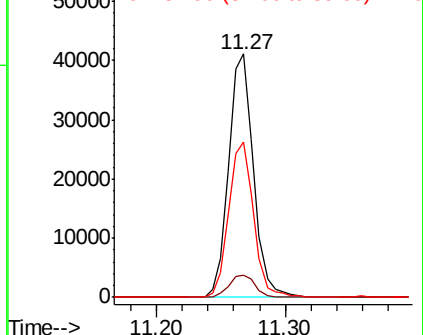
85 64.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.028 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009803.D

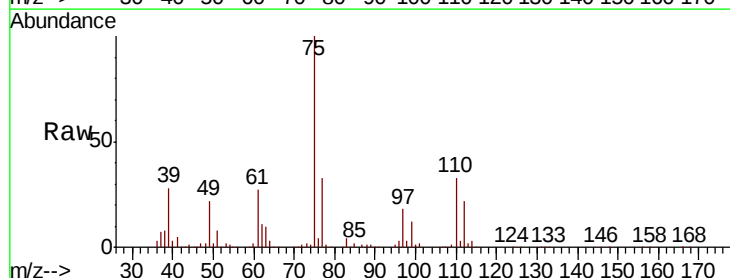
Acq: 22 May 2019 14:47

Tgt Ion: 75 Resp: 63830

Ion Ratio Lower Upper

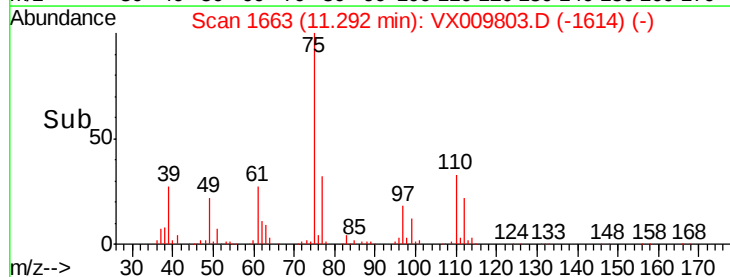
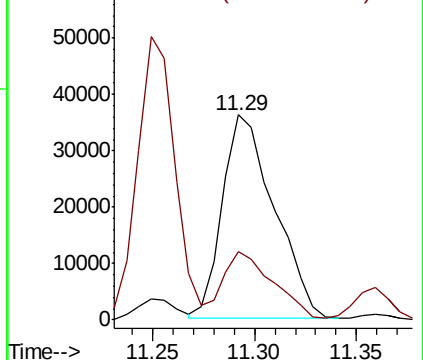
75 100

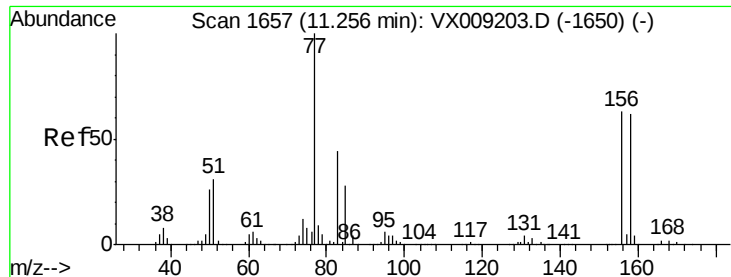
77 32.7 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 16.548 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

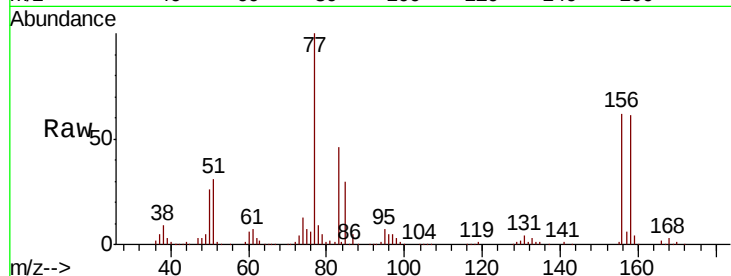
Tot Ion:156 Resp: 37311

Ion Ratio Lower Upper

156 100

77 171.5 84.8 254.3

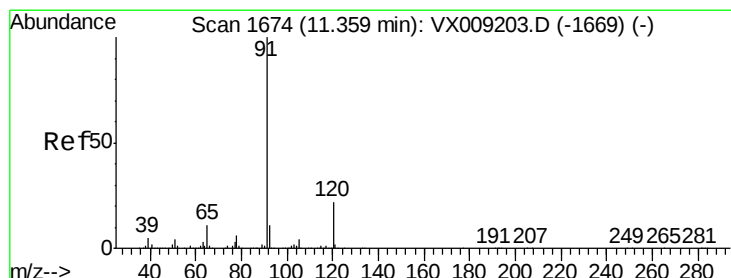
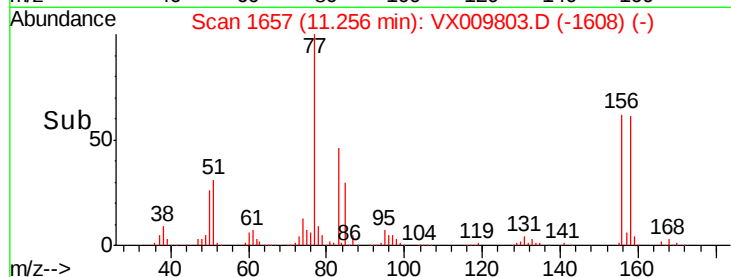
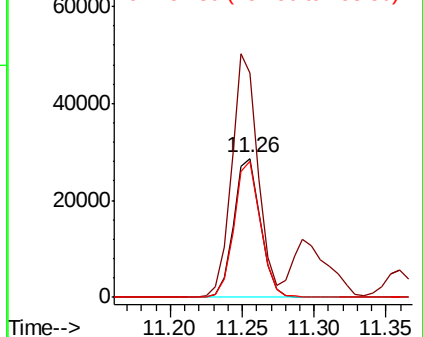
158 96.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.694 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009803.D

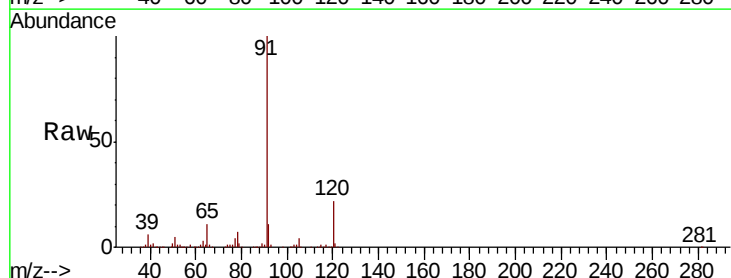
Acq: 22 May 2019 14:47

Tgt Ion: 91 Resp: 173189

Ion Ratio Lower Upper

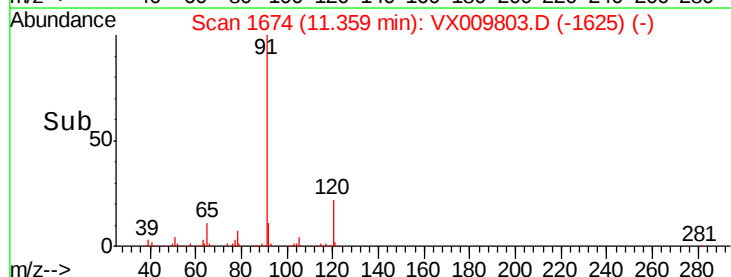
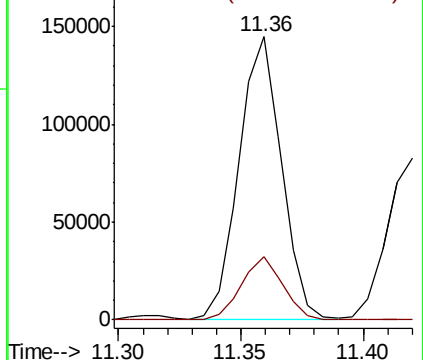
91 100

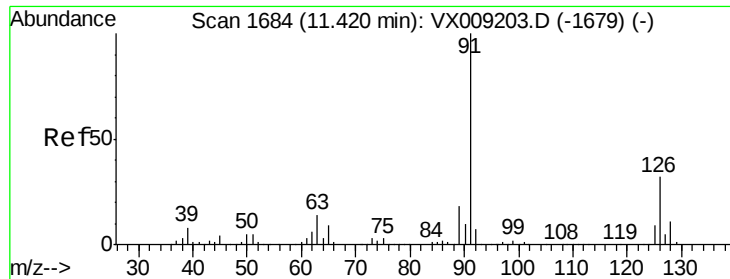
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

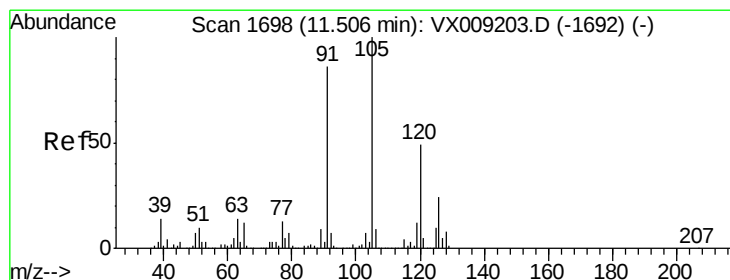
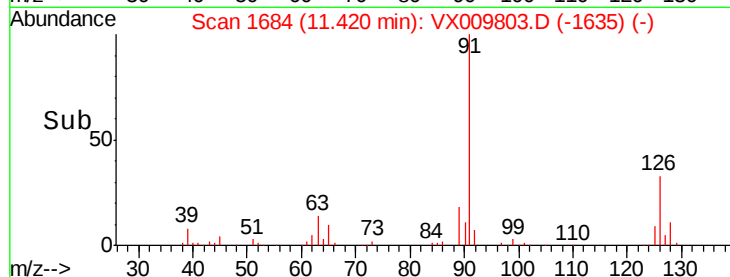
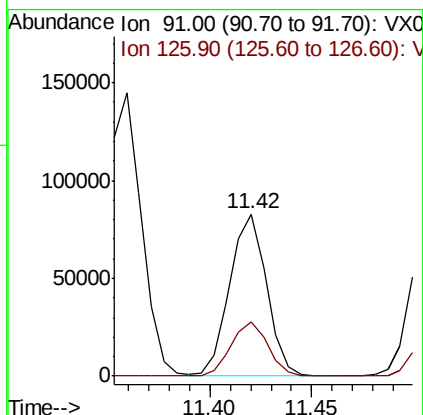
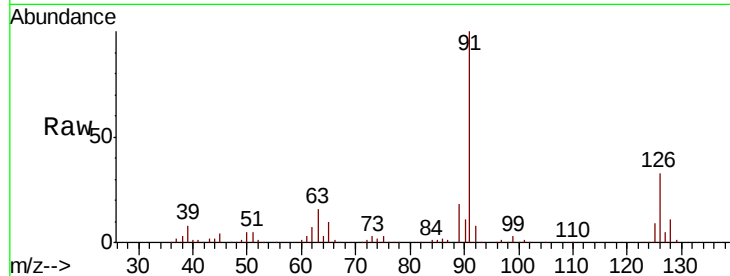




#79
2-Chlorotoluene
Concen: 16.141 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

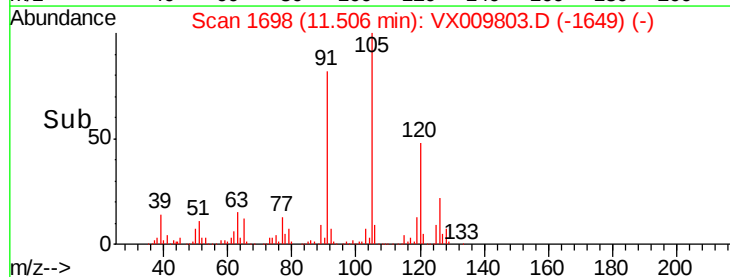
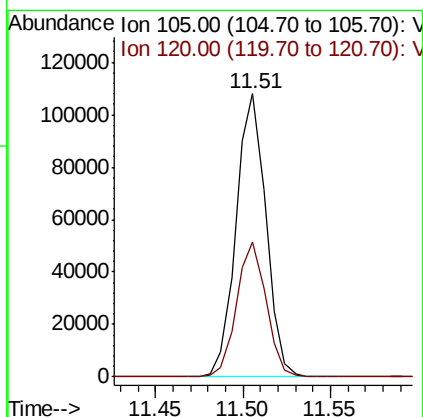
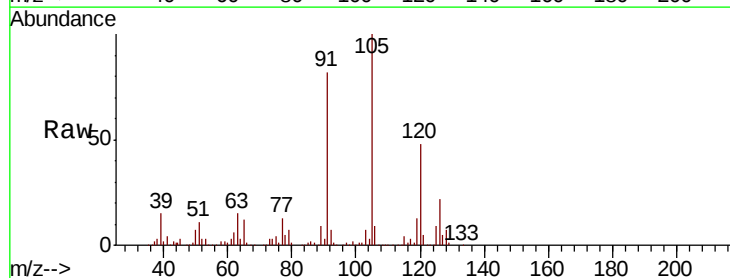
Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

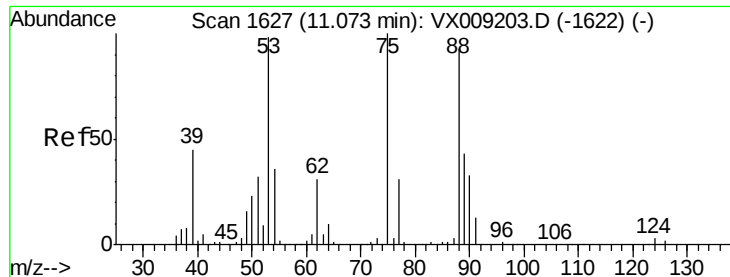
Tot Ion: 91 Resp: 103311
Ion Ratio Lower Upper
91 100
126 33.6 16.3 48.9



#80
1,3,5-Trimethylbenzene
Concen: 16.721 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion:105 Resp: 127900
Ion Ratio Lower Upper
105 100
120 47.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 15.343 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

VX0522WBSD01

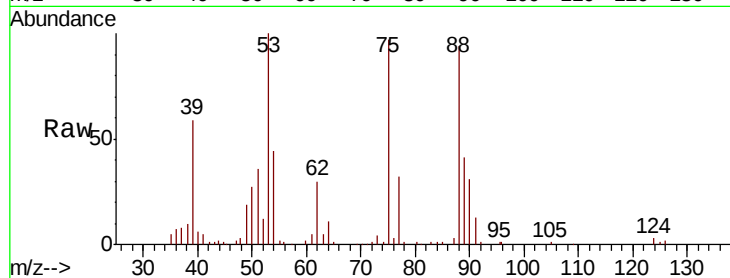
Tot Ion: 75 Resp: 17376

Ion Ratio Lower Upper

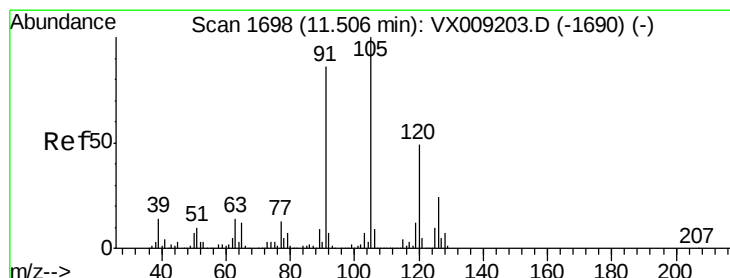
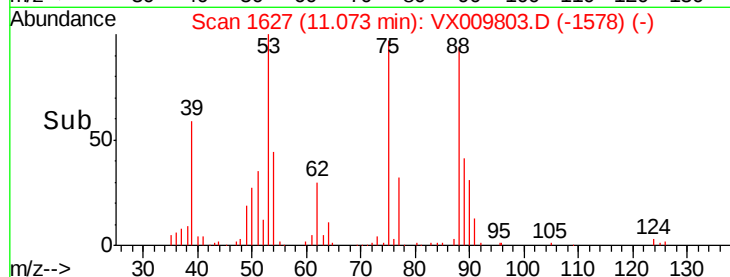
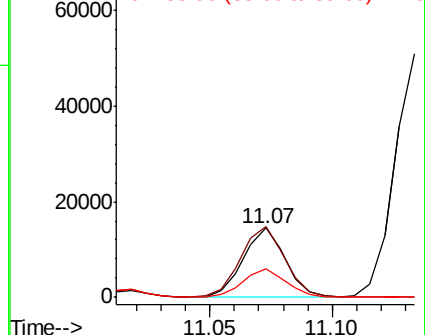
75 100

53 106.5 79.0 118.6

89 42.5 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 16.422 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009803.D

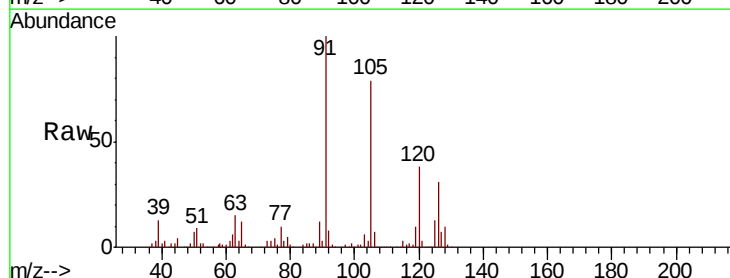
Acq: 22 May 2019 14:47

Tgt Ion: 91 Resp: 118741

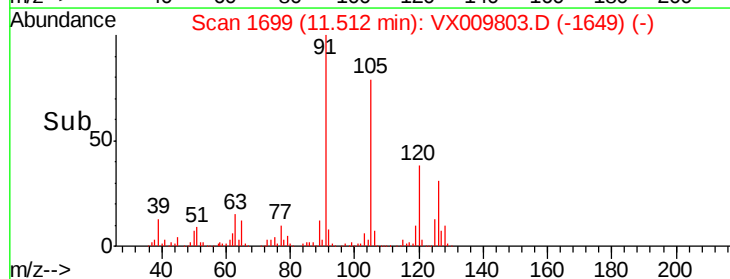
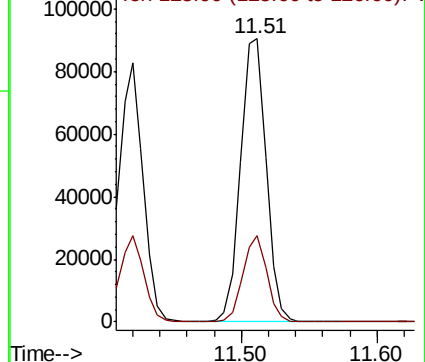
Ion Ratio Lower Upper

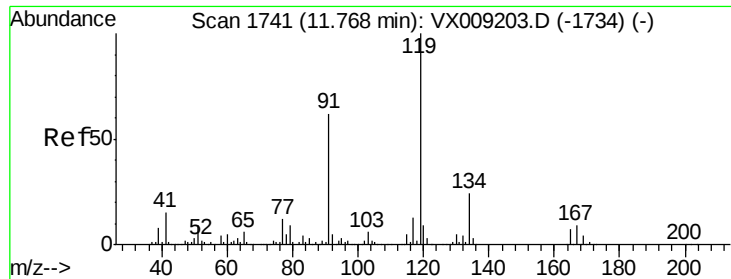
91 100

126 28.7 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

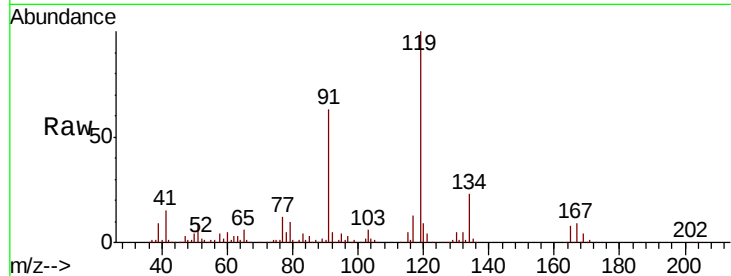




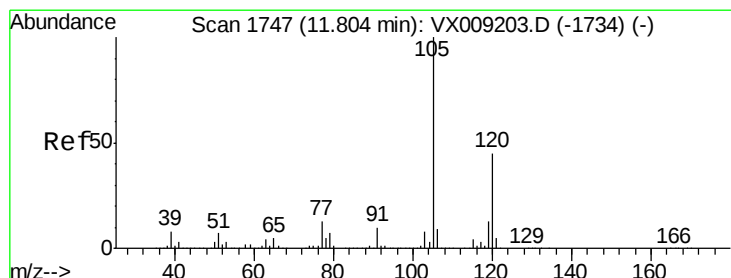
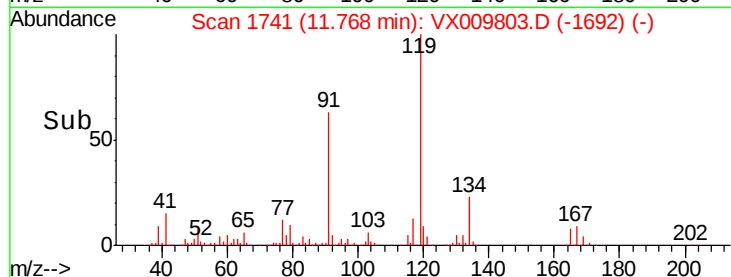
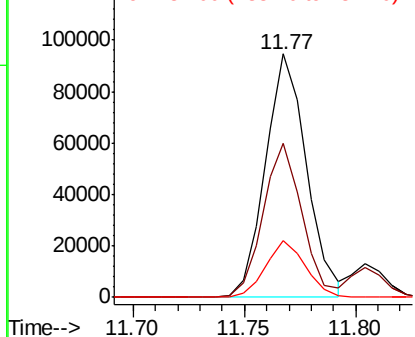
#83
tert-Butylbenzene
Concen: 16.263 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBSD01

Tot Ion:119 Resp: 121008
Ion Ratio Lower Upper
119 100
91 60.3 29.5 88.5
134 22.6 11.4 34.1

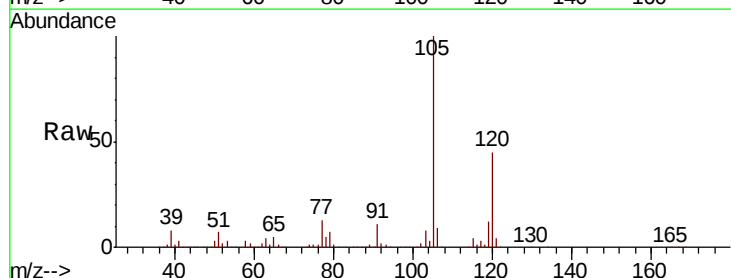


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

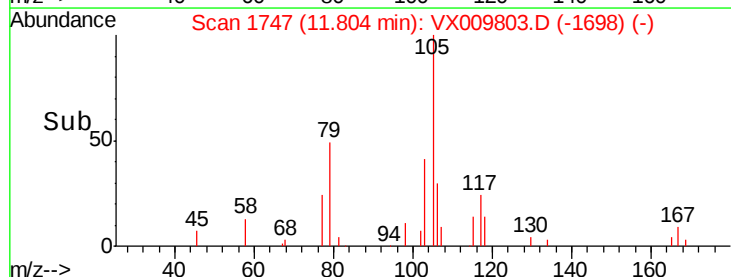
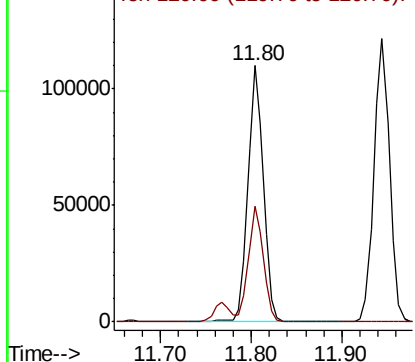


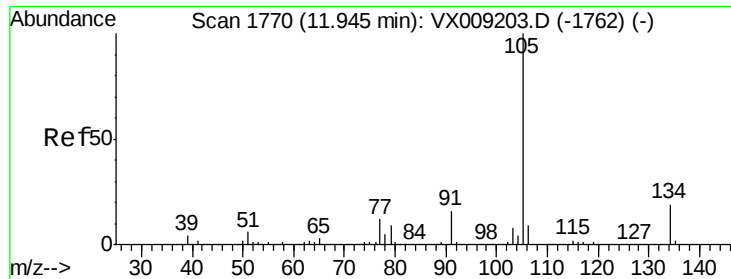
#84
1,2,4-Trimethylbenzene
Concen: 16.852 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009803.D
Acq: 22 May 2019 14:47

Tgt Ion:105 Resp: 129385
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.413 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampled :

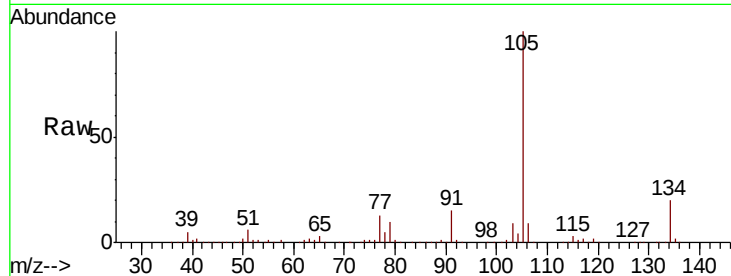
VX0522WBSD01

Tot Ion:105 Resp: 144787

Ion Ratio Lower Upper

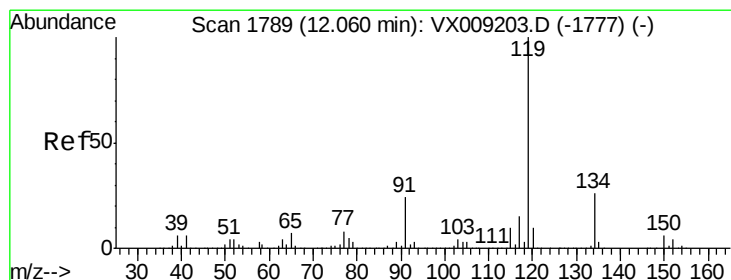
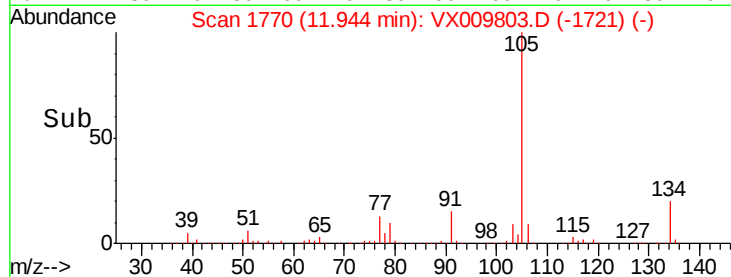
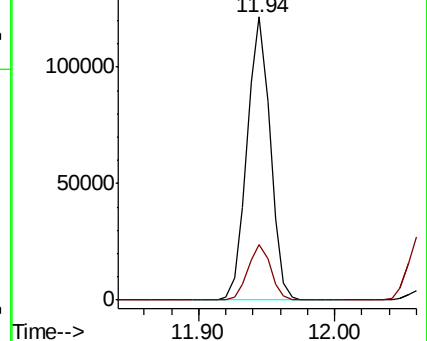
105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.616 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

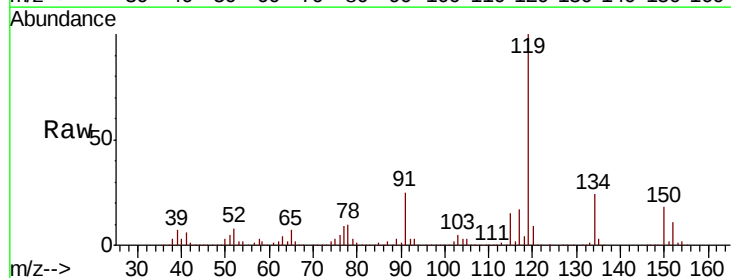
Tgt Ion:119 Resp: 131771

Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.7

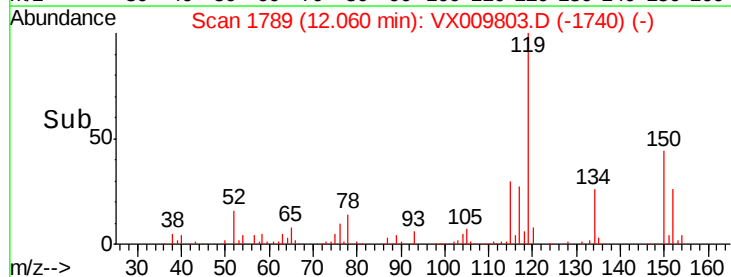
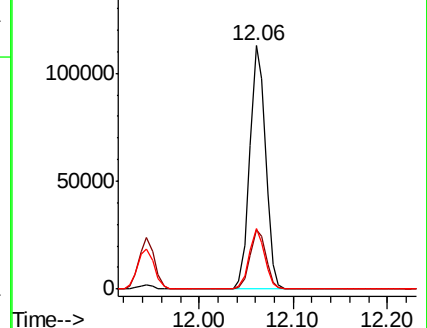
91 24.5 11.8 35.4

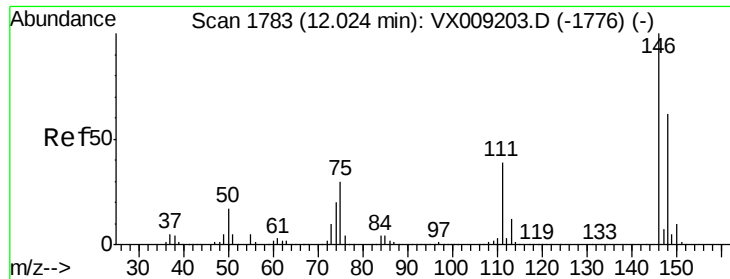


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

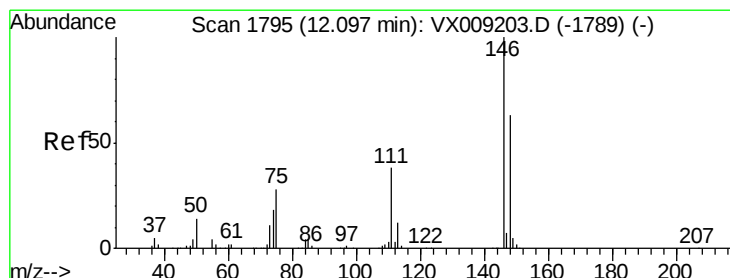
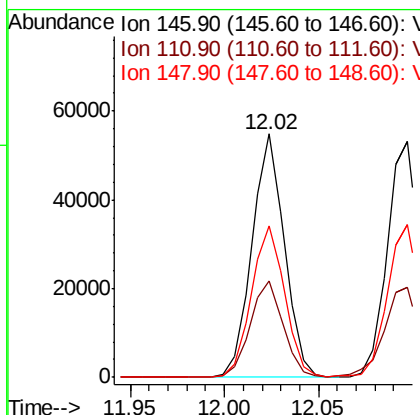
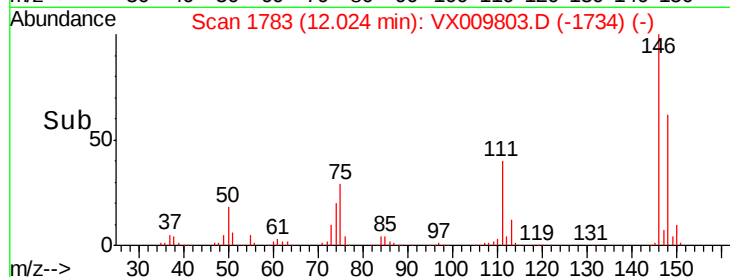
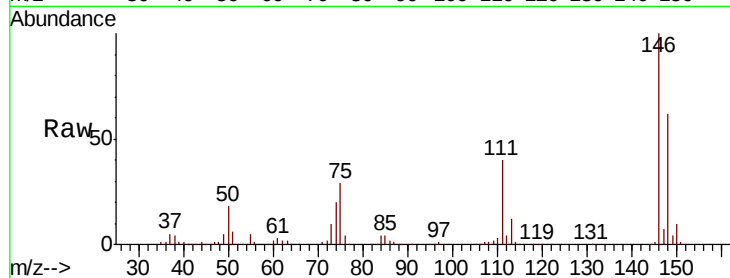




#87
 1,3-Dichlorobenzene
 Concen: 16.300 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

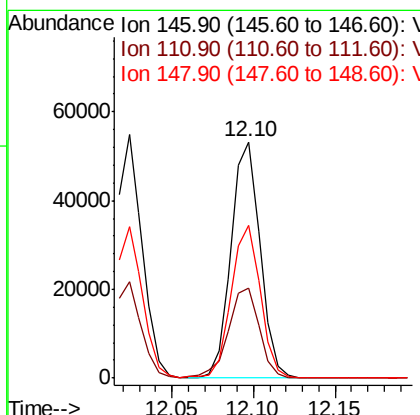
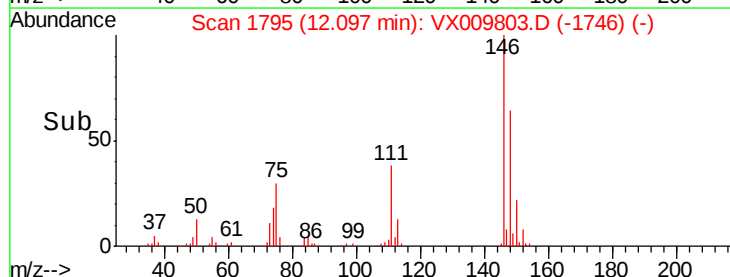
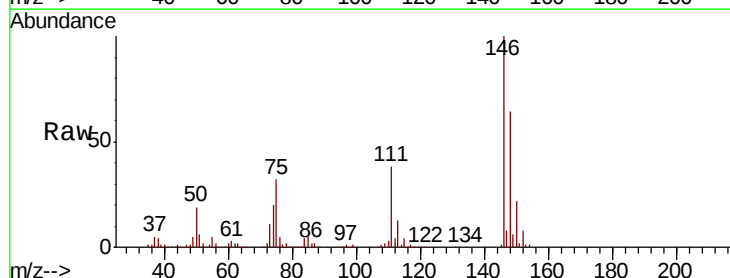
Instrument :
 MSVOA_X
 ClientSampled :
 VX0522WBSD01

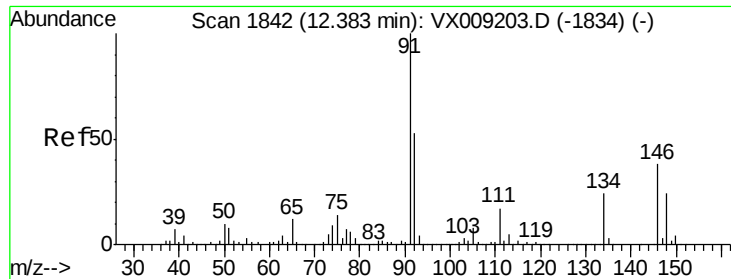
Tot Ion:146 Resp: 65517
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 59.9
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 16.233 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion:146 Resp: 65783
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.6 58.8
 148 64.7 31.8 95.3





#89

n-Butylbenzene

Concen: 16.165 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

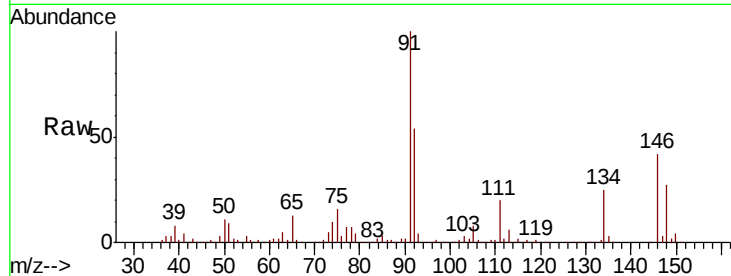
Tot Ion: 91 Resp: 115868

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.5

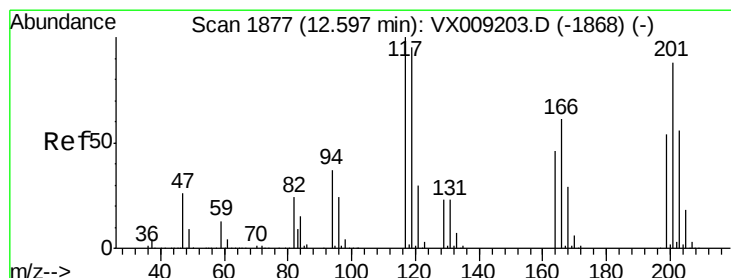
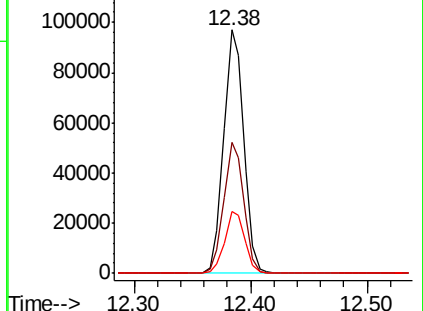
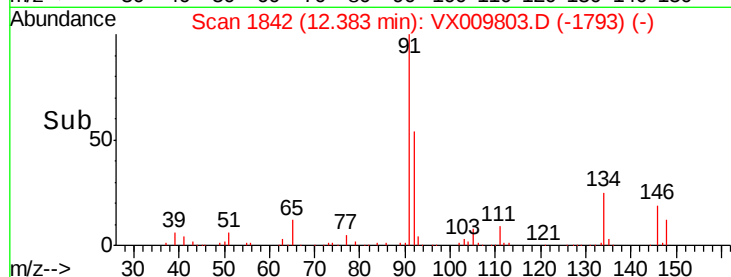
134 25.3 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 15.732 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009803.D

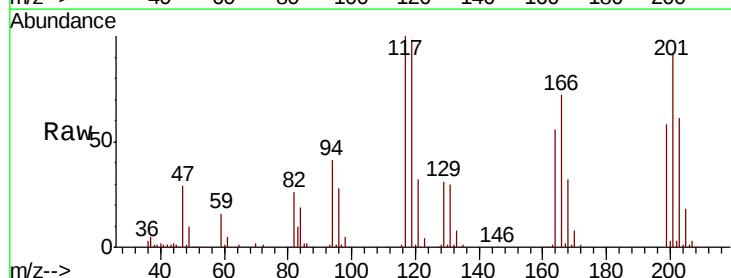
Acq: 22 May 2019 14:47

Tgt Ion: 117 Resp: 21255

Ion Ratio Lower Upper

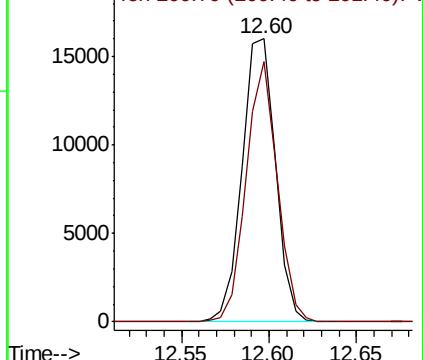
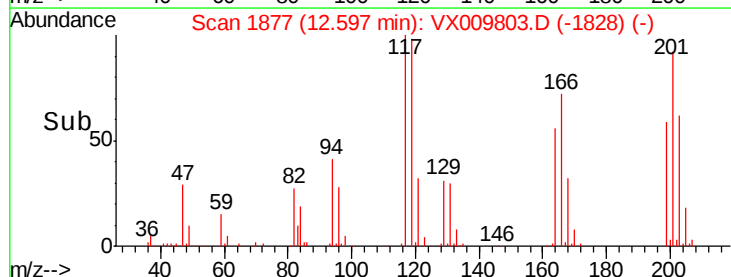
117 100

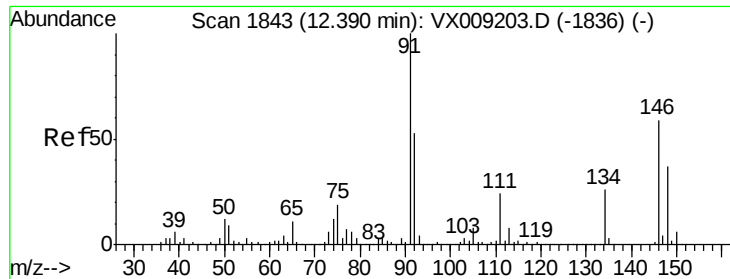
201 85.6 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 16.154 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

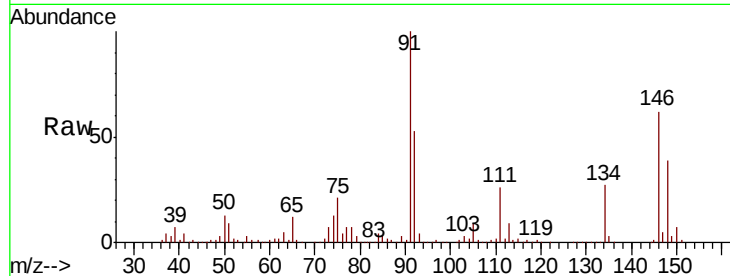
Tot Ion:146 Resp: 66135

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.4

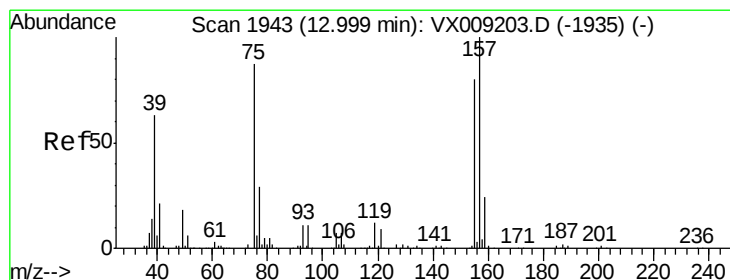
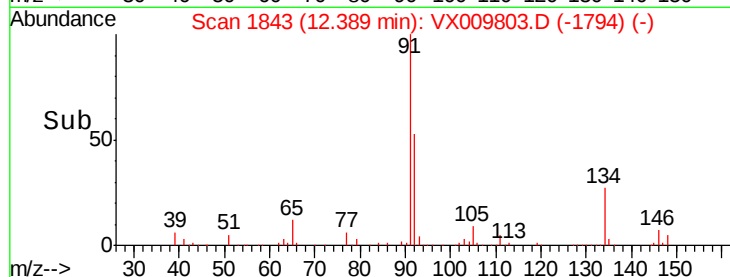
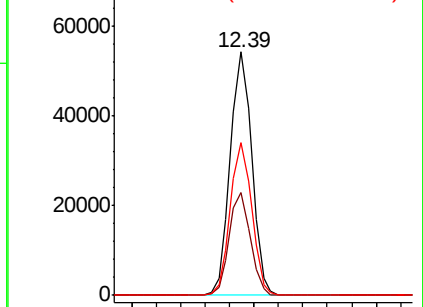
148 62.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.583 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

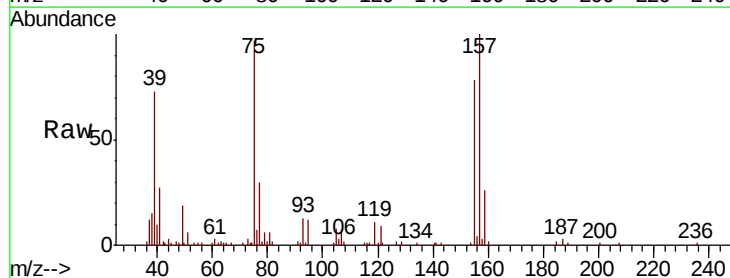
Tgt Ion: 75 Resp: 13357

Ion Ratio Lower Upper

75 100

155 77.7 42.0 126.0

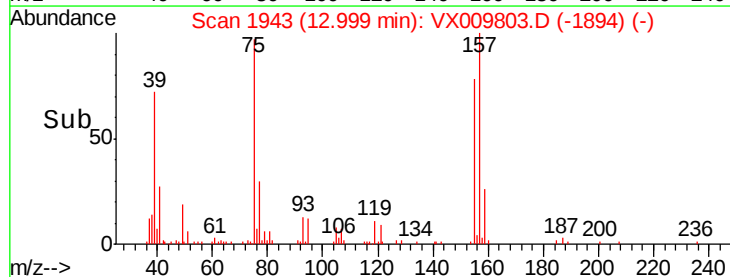
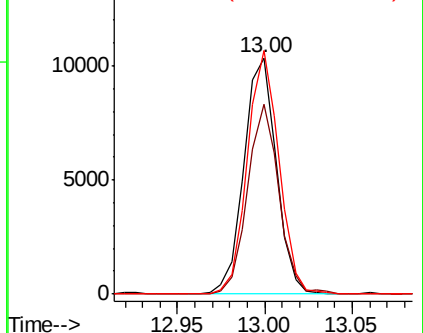
157 100.0 53.2 159.6

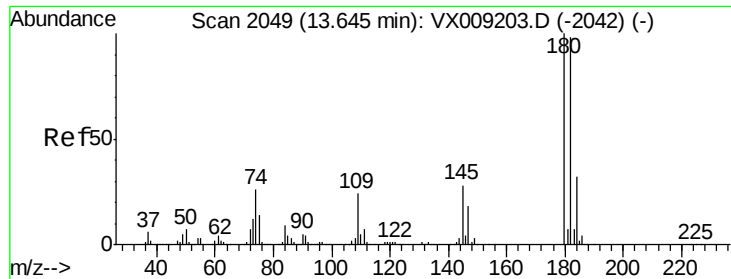


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

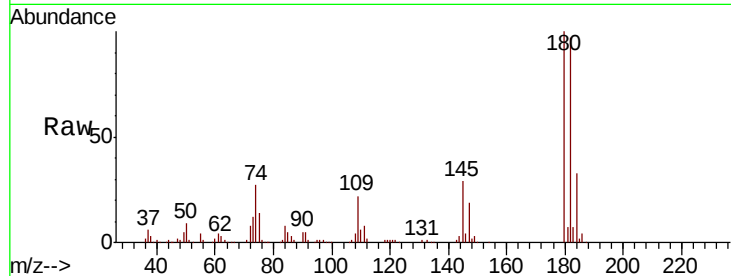




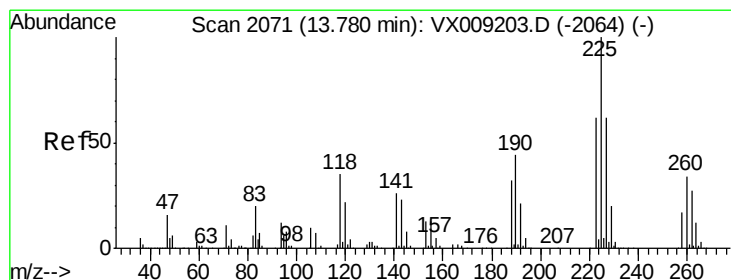
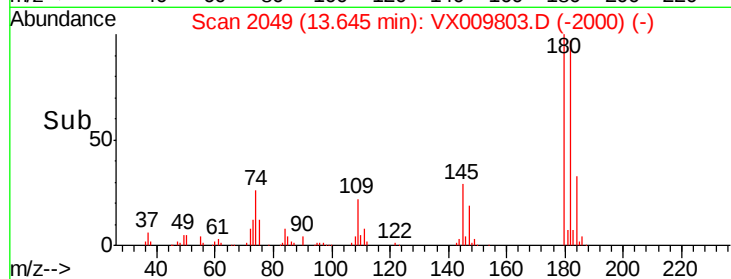
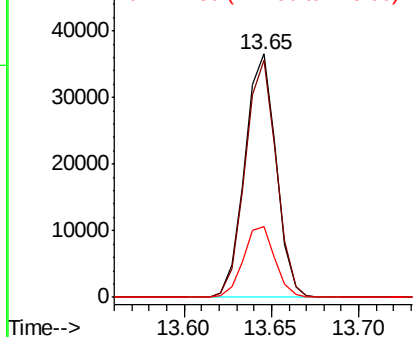
#93
 1,2,4-Trichlorobenzene
 Concen: 16.243 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Tot Ion:180 Resp: 45474
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.4 145.2
 145 29.4 14.6 43.8

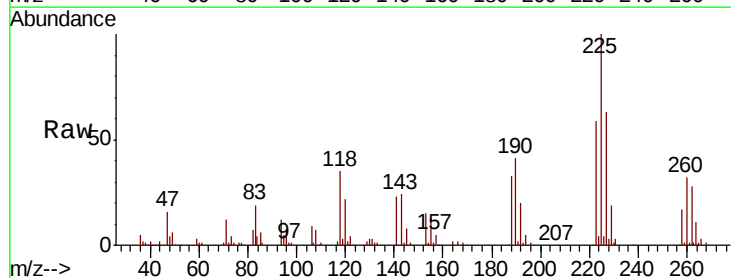


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

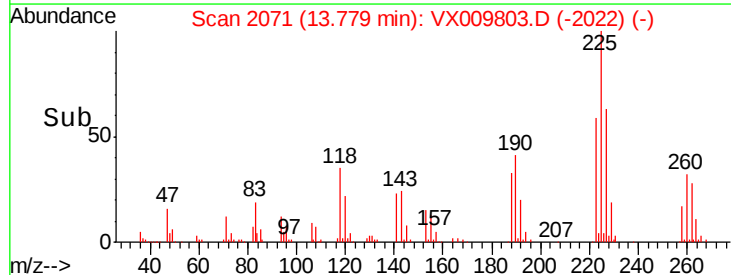
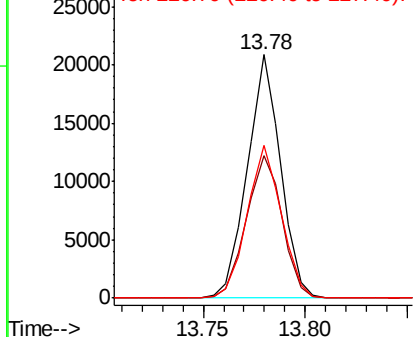


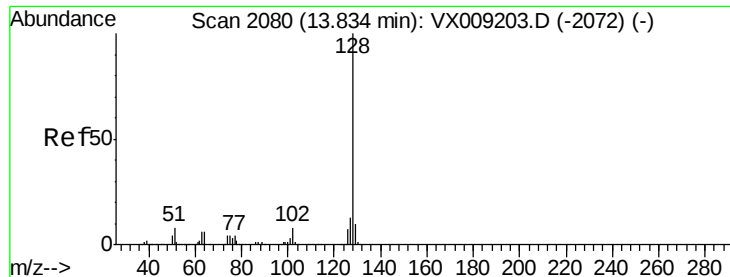
#94
 Hexachlorobutadiene
 Concen: 16.570 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009803.D
 Acq: 22 May 2019 14:47

Tgt Ion:225 Resp: 23689
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.8
 227 64.6 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.448 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBSD01

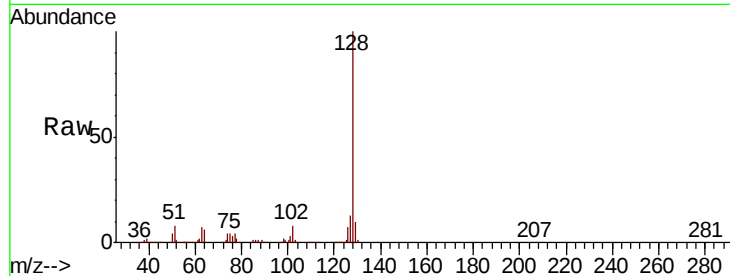
Tot Ion:128 Resp: 149815

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

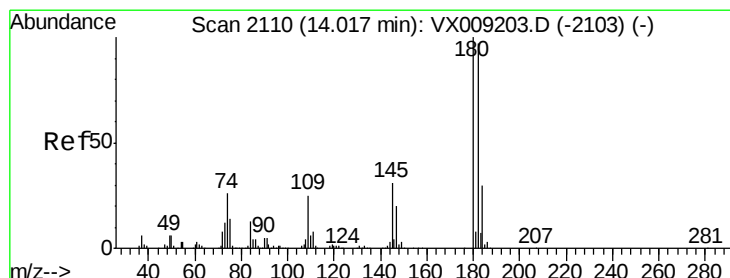
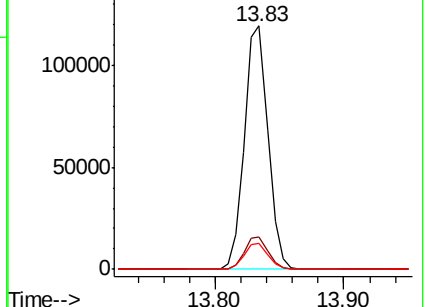
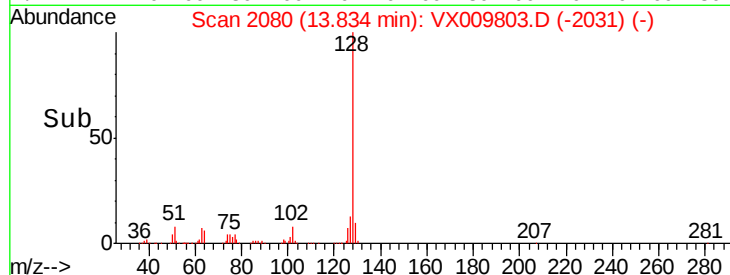
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.595 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009803.D

Acq: 22 May 2019 14:47

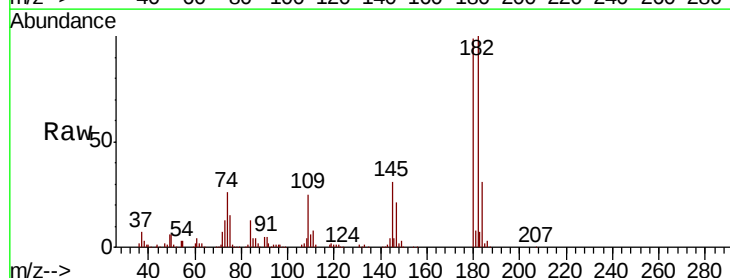
Tgt Ion:180 Resp: 47095

Ion Ratio Lower Upper

180 100

182 96.6 47.8 143.4

145 30.6 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

