

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009539.D
 Acq On : 13 May 2019 13:35
 Operator : JC/SP
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Quant Time: May 14 03:43:42 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	161028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112134	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	102770	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.49	113	76647	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	8.71	98	307762	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	111626	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	25965	17.498	ug/l 98
3) Chloromethane	1.32	50	39601	19.547	ug/l 100
4) Vinyl Chloride	1.41	62	38873	19.677	ug/l 98
5) Bromomethane	1.64	94	24135	20.355	ug/l 98
6) Chloroethane	1.72	64	24522	19.334	ug/l 97
7) Trichlorofluoromethane	1.93	101	48878	20.354	ug/l 95
8) Diethyl Ether	2.19	74	22078	19.410	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30016	19.905	ug/l 99
10) Methyl Iodide	2.51	142	32168	21.267	ug/l 99
11) Tert butyl alcohol	3.04	59	50639	99.519	ug/l 98
12) 1,1-Dichloroethene	2.37	96	30062	19.897	ug/l 98
13) Acrolein	2.29	56	42245	91.674	ug/l 98
14) Allyl chloride	2.73	41	71434	19.400	ug/l 99
15) Acrylonitrile	3.14	53	122503	98.464	ug/l 100
16) Acetone	2.44	43	116262	98.497	ug/l 99
17) Carbon Disulfide	2.57	76	82922	19.548	ug/l 99
18) Methyl Acetate	2.78	43	52863	18.832	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	117157	19.968	ug/l 98
20) Methylene Chloride	2.85	84	36847	19.280	ug/l 99
21) trans-1,2-Dichloroethene	3.17	96	33173	20.245	ug/l 95
22) Diisopropyl ether	3.85	45	141642	20.003	ug/l 95
23) Vinyl Acetate	3.81	43	626483	103.318	ug/l 100
24) 1,1-Dichloroethane	3.70	63	68092	19.493	ug/l 99
25) 2-Butanone	4.67	43	184319	100.488	ug/l 99
26) 2,2-Dichloropropane	4.58	77	50334	19.358	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	39064	19.973	ug/l 99
28) Bromochloromethane	5.01	49	26878	17.323	ug/l # 20
29) Tetrahydrofuran	5.13	42	120527	102.113	ug/l 99
30) Chloroform	5.21	83	63291	20.033	ug/l 98
31) Cyclohexane	5.58	56	66239	20.382	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	52043	19.788	ug/l 99
36) 1,1-Dichloropropene	5.80	75	48436	20.229	ug/l 100
37) Ethyl Acetate	4.83	43	68247	20.457	ug/l 100
38) Carbon Tetrachloride	5.79	117	43539	20.014	ug/l 96

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 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0513WBSD01

Quant Time: May 14 03:43:42 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	60379	20.533	ug/l	98
40) Benzene	6.14	78	148838	20.086	ug/l	99
41) Methacrylonitrile	5.04	41	38831	19.554	ug/l	98
42) 1,2-Dichloroethane	6.19	62	54018	20.322	ug/l	100
43) Isopropyl Acetate	6.44	43	106350	19.930	ug/l	100
44) Trichloroethene	7.21	130	35512	19.823	ug/l	100
45) 1,2-Dichloropropane	7.51	63	42664	20.333	ug/l	97
46) Dibromomethane	7.66	93	23891	19.607	ug/l	97
47) Bromodichloromethane	7.90	83	48642	20.013	ug/l	99
48) Methyl methacrylate	7.77	41	54217	20.479	ug/l	98
49) 1,4-Dioxane	7.74	88	21562	401.603	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	351988	100.917	ug/l	100
52) Toluene	8.78	92	92081	20.442	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	53189	19.383	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	60602	19.952	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	36808	20.029	ug/l	99
56) Ethyl methacrylate	9.18	69	65359	19.924	ug/l	98
57) 1,3-Dichloropropane	9.37	76	65265	20.182	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	158005	90.795	ug/l	100
59) 2-Hexanone	9.49	43	275740	100.659	ug/l	99
60) Dibromochloromethane	9.58	129	35296	19.665	ug/l	97
61) 1,2-Dibromoethane	9.67	107	37950	20.458	ug/l	98
64) Tetrachloroethene	9.34	164	33151	20.848	ug/l	98
65) Chlorobenzene	10.14	112	94051	20.281	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33899	20.163	ug/l	99
67) Ethyl Benzene	10.25	91	172620	20.226	ug/l	100
68) m/p-Xylenes	10.36	106	127453	40.866	ug/l	99
69) o-Xylene	10.69	106	62191	20.211	ug/l	99
70) Styrene	10.71	104	108341	20.257	ug/l	100
71) Bromoform	10.85	173	26690	19.535	ug/l #	100
73) Isopropylbenzene	11.02	105	167447	20.535	ug/l	100
74) N-amyl acetate	10.90	43	94188	19.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60493	19.900	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	69266	26.629	ug/l	83
77) Bromobenzene	11.26	156	41093	20.304	ug/l	98
78) n-propylbenzene	11.36	91	190438	20.450	ug/l	100
79) 2-Chlorotoluene	11.42	91	114438	19.918	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	141103	20.551	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19477	19.159	ug/l	96
82) 4-Chlorotoluene	11.51	91	130560	20.115	ug/l	100
83) tert-Butylbenzene	11.77	119	135848	20.339	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	141044	20.466	ug/l	100
85) sec-Butylbenzene	11.94	105	159221	20.107	ug/l	100
86) p-Isopropyltoluene	12.06	119	144633	20.317	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	71571	19.837	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	73381	20.173	ug/l	98
89) n-Butylbenzene	12.38	91	128219	19.928	ug/l	100
90) Hexachloroethane	12.60	117	24039	19.821	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	73172	19.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13747	20.160	ug/l	99

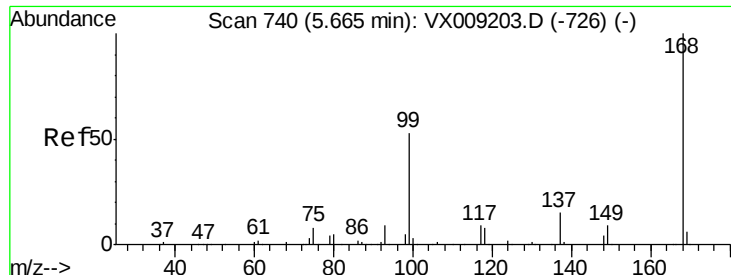
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
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Quant Time: May 14 03:43:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51079	20.326	ug/l	98
94) Hexachlorobutadiene	13.78	225	26420	20.587	ug/l	100
95) Naphthalene	13.83	128	166475	20.362	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52811	20.732	ug/l	100

(#) = 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: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

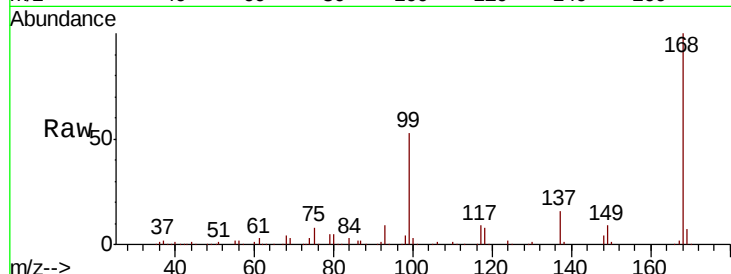
VX0513WBSD01

Tot Ion:168 Resp: 161028

Ion Ratio Lower Upper

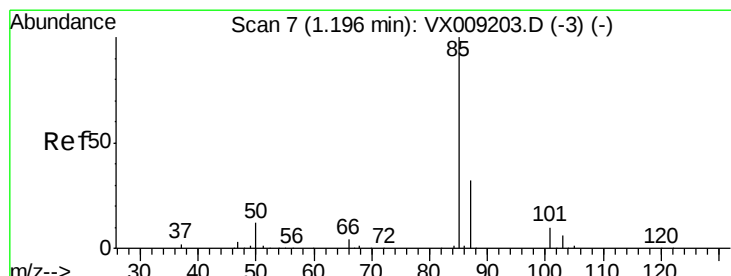
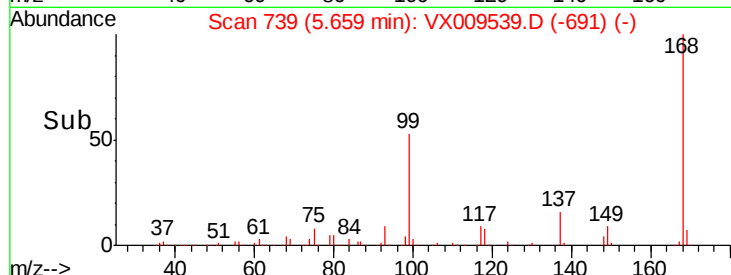
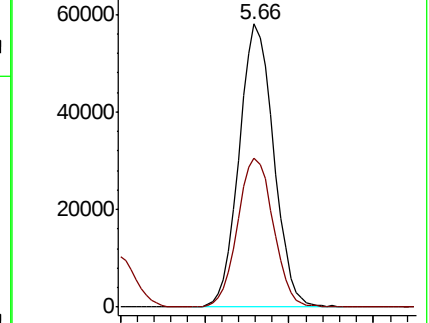
168 100

99 52.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.498 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009539.D

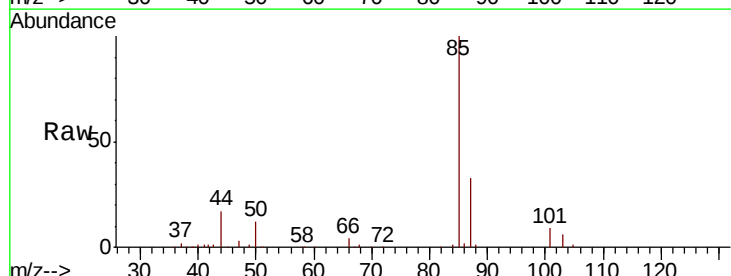
Acq: 13 May 2019 13:35

Tgt Ion: 85 Resp: 25965

Ion Ratio Lower Upper

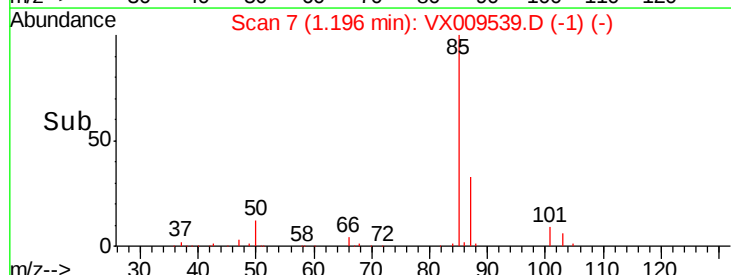
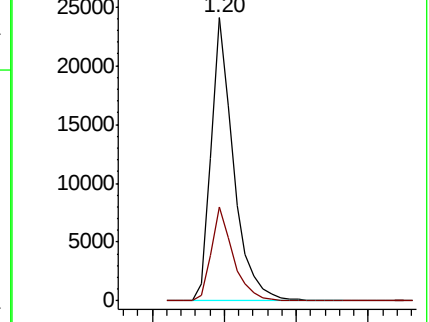
85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.547 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

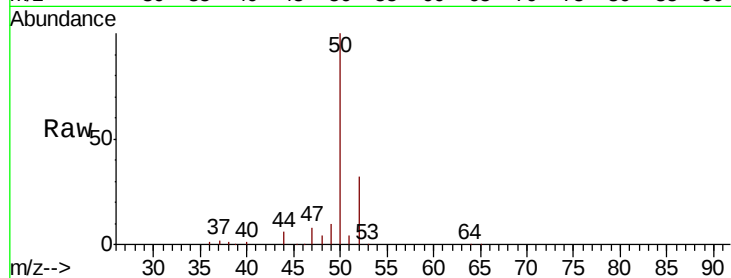
VX0513WBSD01

Tot Ion: 50 Resp: 39601

Ion Ratio Lower Upper

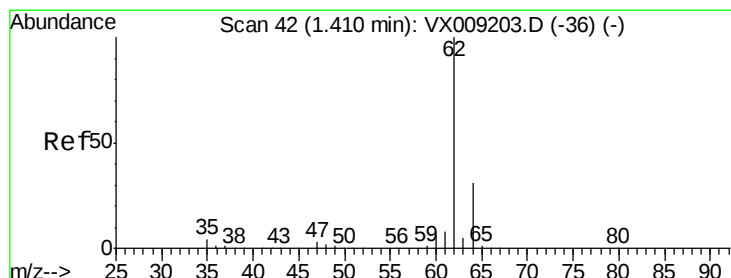
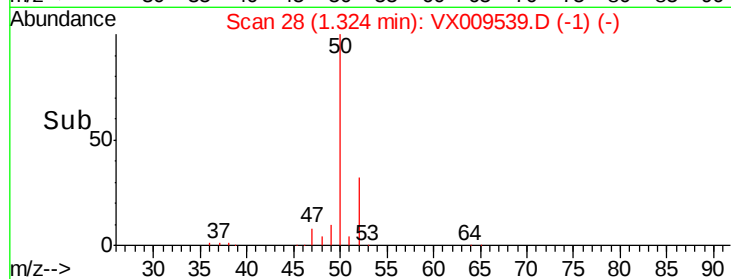
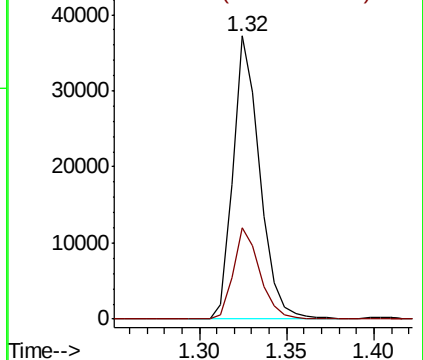
50 100

52 32.3 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: 19.677 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009539.D

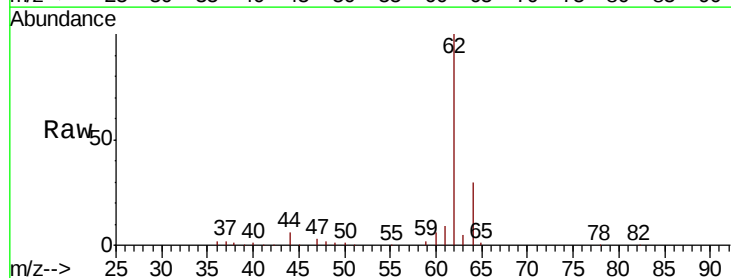
Acq: 13 May 2019 13:35

Tgt Ion: 62 Resp: 38873

Ion Ratio Lower Upper

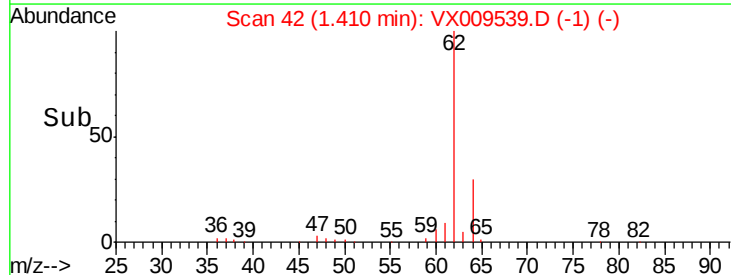
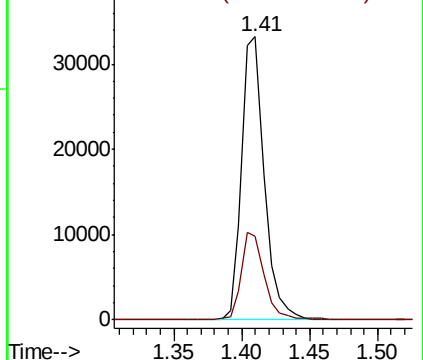
62 100

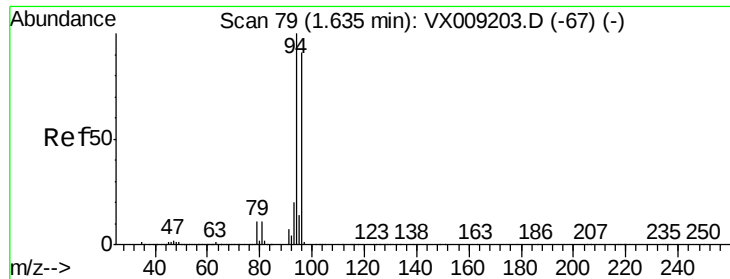
64 29.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.355 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

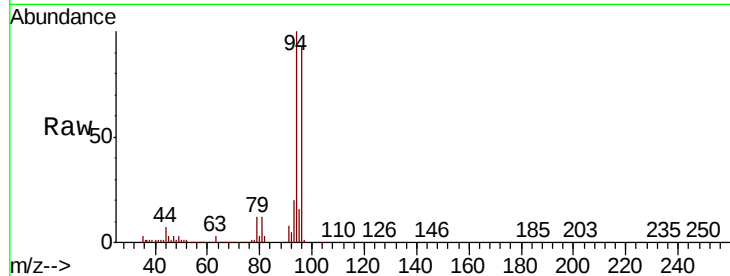
VX0513WBSD01

Tot Ion: 94 Resp: 24135

Ion Ratio Lower Upper

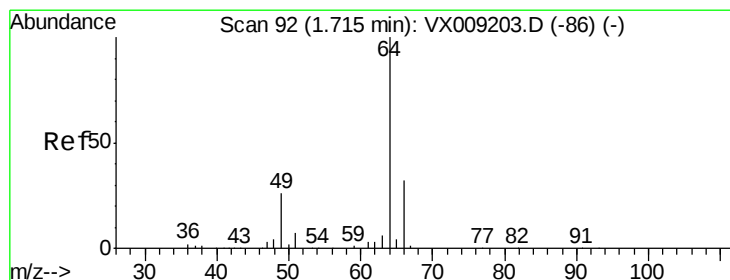
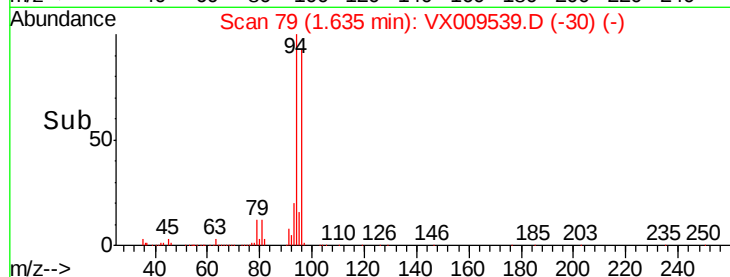
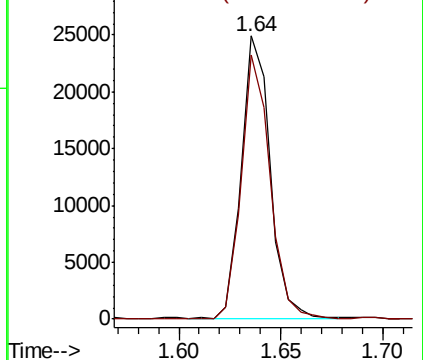
94 100

96 93.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.334 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009539.D

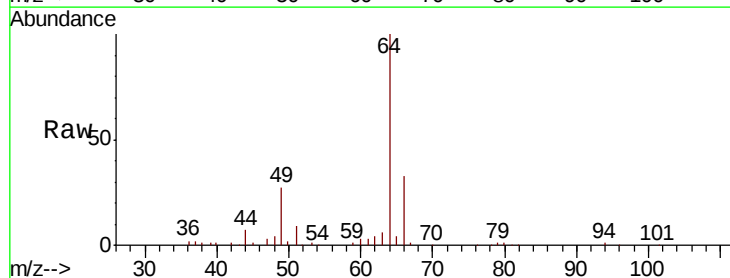
Acq: 13 May 2019 13:35

Tgt Ion: 64 Resp: 24522

Ion Ratio Lower Upper

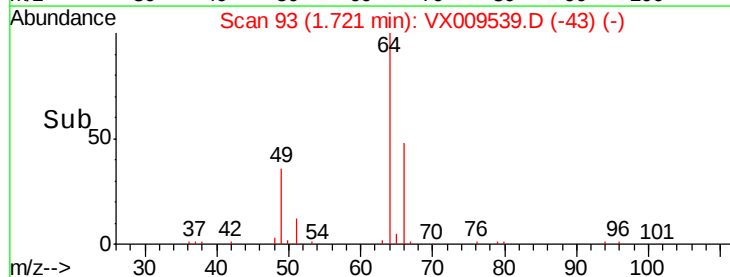
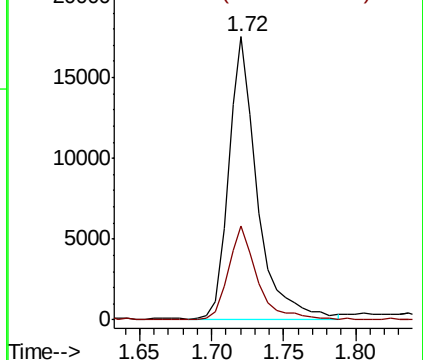
64 100

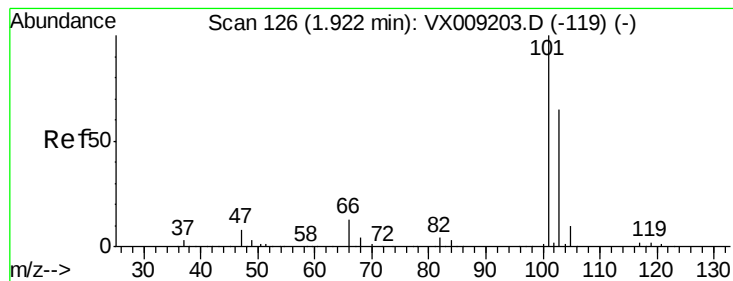
66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



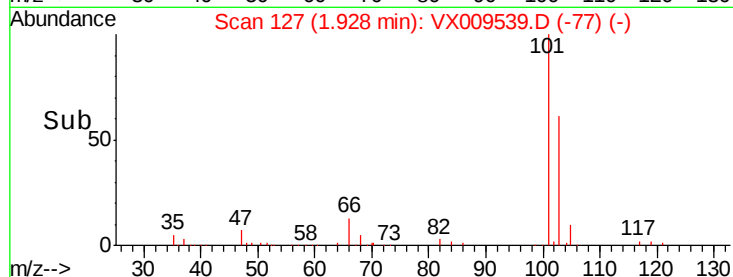
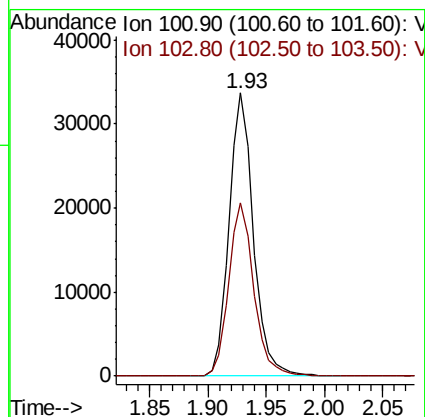
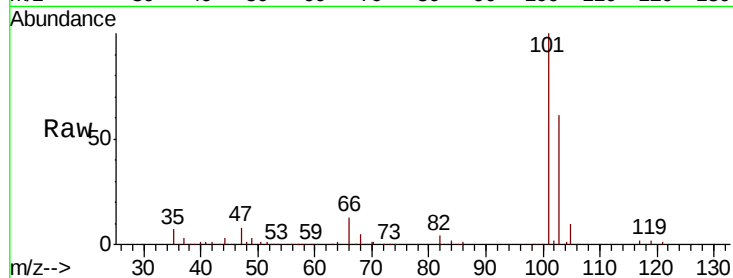


#7

Trichlorofluoromethane
 Concen: 20.354 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

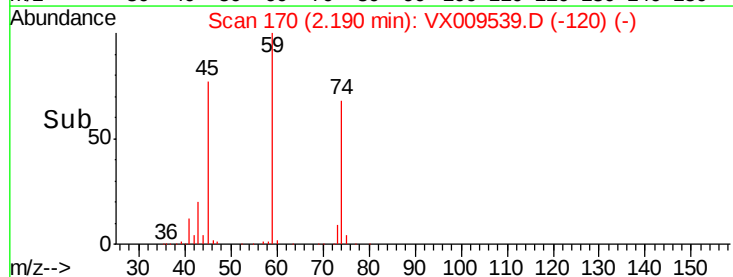
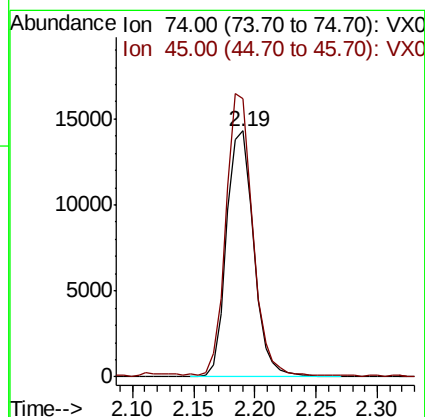
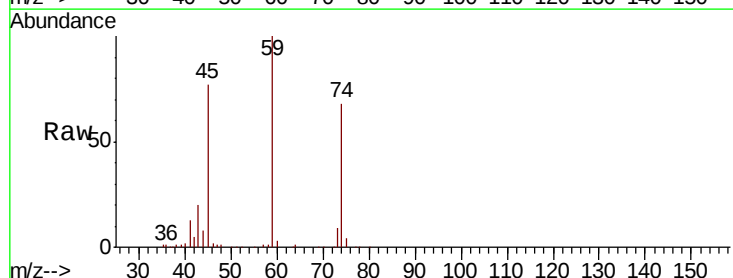
Tot Ion:101 Resp: 48878
 Ion Ratio Lower Upper
 101 100
 103 61.2 52.4 78.6

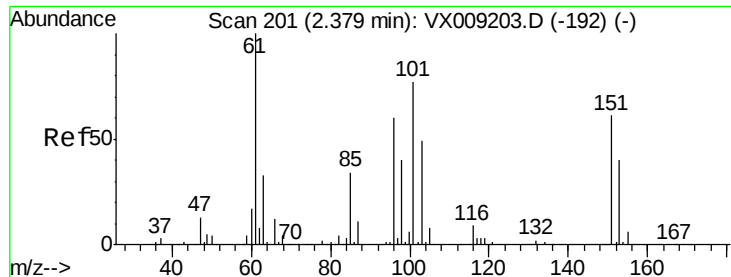


#8

Diethyl Ether
 Concen: 19.410 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion: 74 Resp: 22078
 Ion Ratio Lower Upper
 74 100
 45 115.3 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.905 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

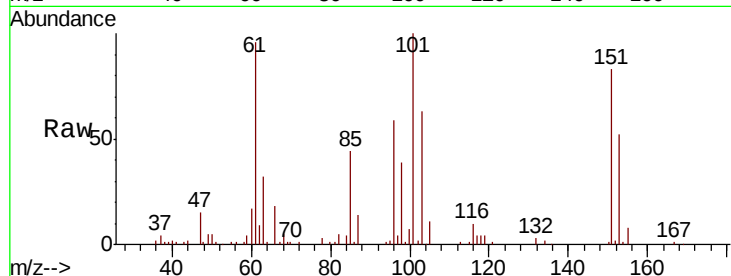
Tot Ion:101 Resp: 30016

Ion Ratio Lower Upper

101 100

85 44.4 35.7 53.5

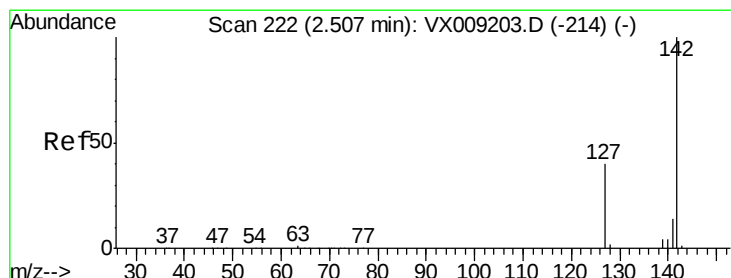
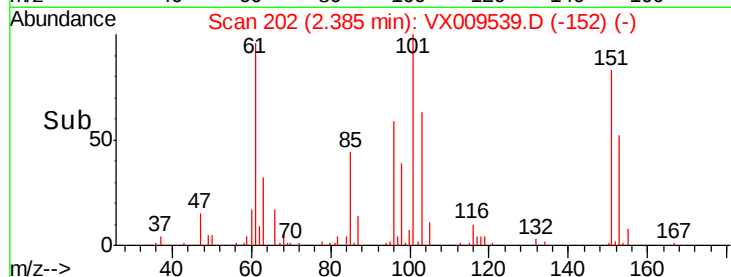
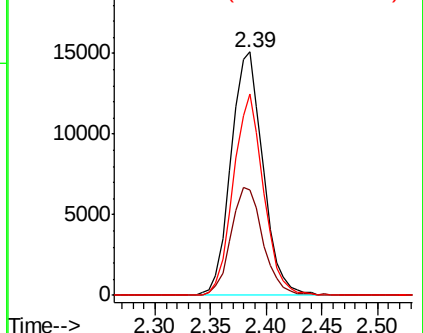
151 78.3 62.2 93.2



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: 21.267 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

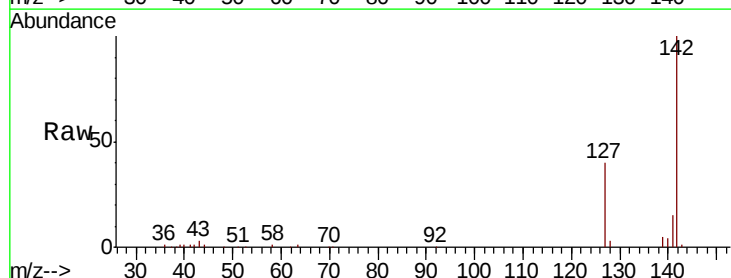
Tgt Ion:142 Resp: 32168

Ion Ratio Lower Upper

142 100

127 41.4 32.7 49.1

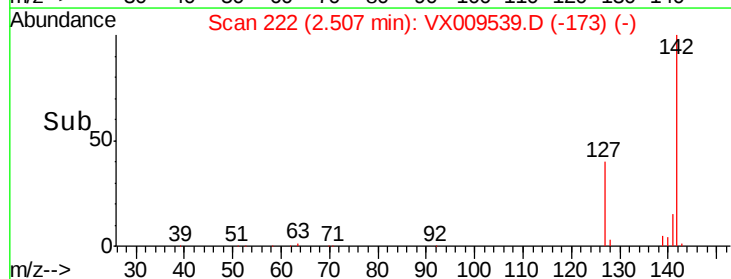
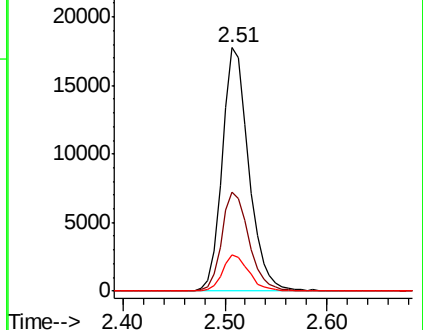
141 14.8 11.5 17.3

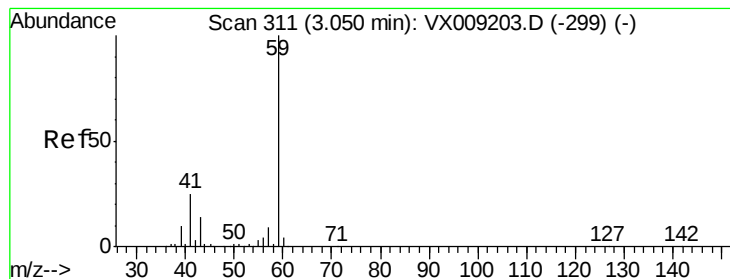


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.519 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

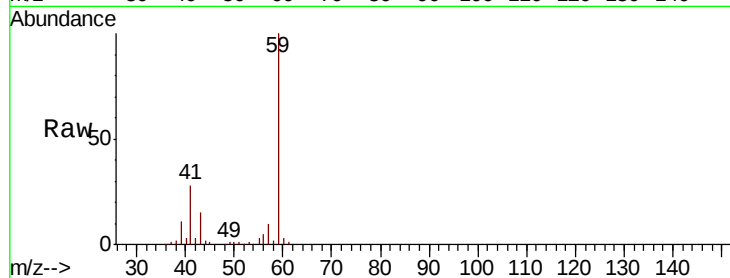
VX0513WBSD01

Tot Ion: 59 Resp: 50639

Ion Ratio Lower Upper

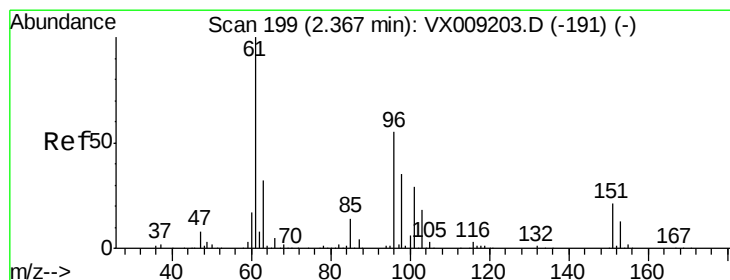
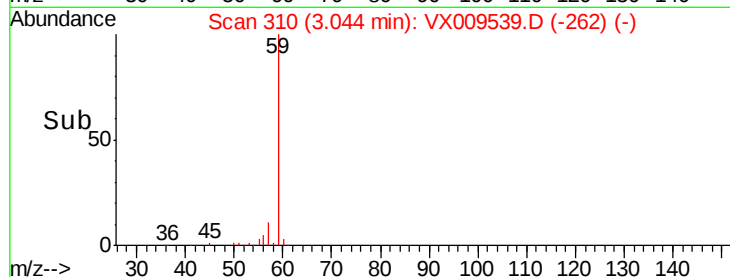
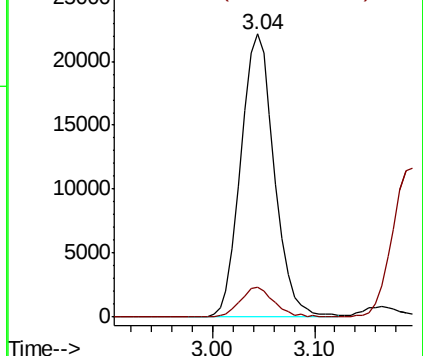
59 100

57 10.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 19.897 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

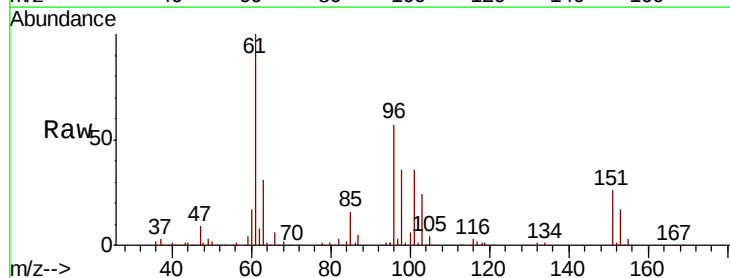
Tgt Ion: 96 Resp: 30062

Ion Ratio Lower Upper

96 100

61 175.7 144.3 216.5

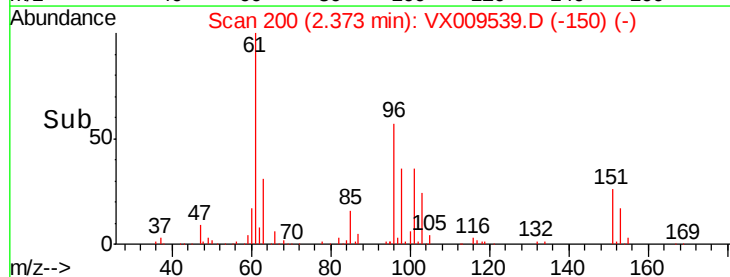
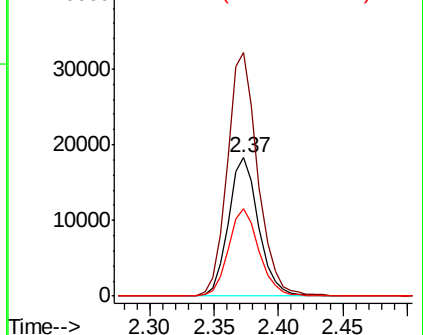
98 63.0 50.3 75.5



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





#13

Acrolein

Concen: 91.674 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

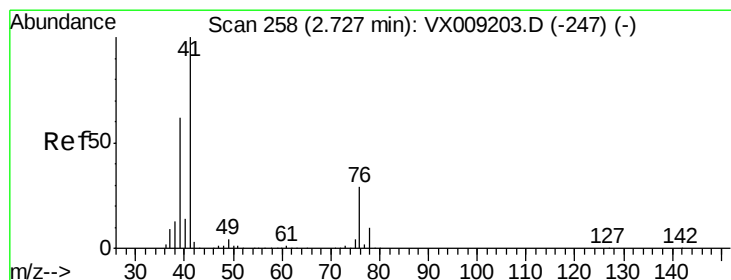
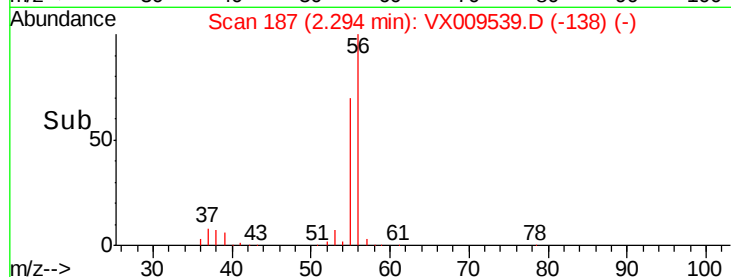
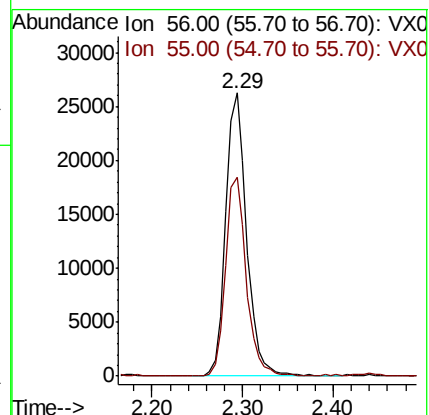
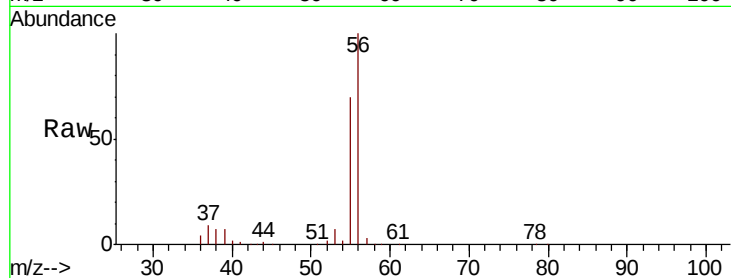
VX0513WBSD01

Tot Ion: 56 Resp: 42245

Ion Ratio Lower Upper

56 100

55 69.0 56.6 85.0



#14

Allyl chloride

Concen: 19.400 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

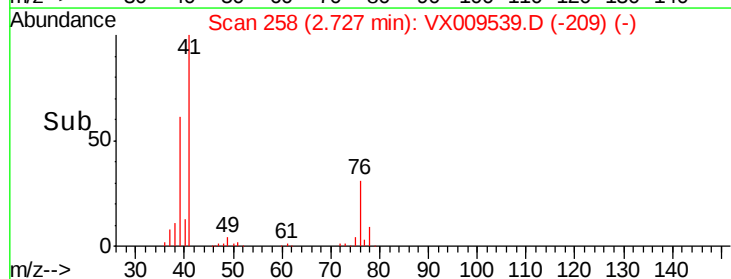
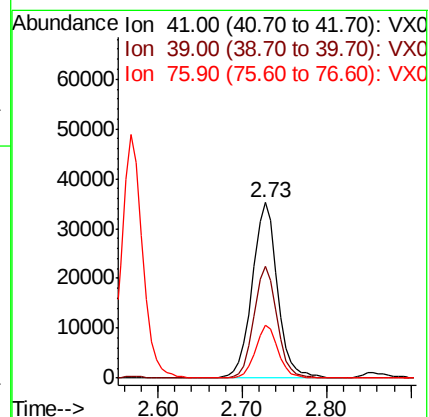
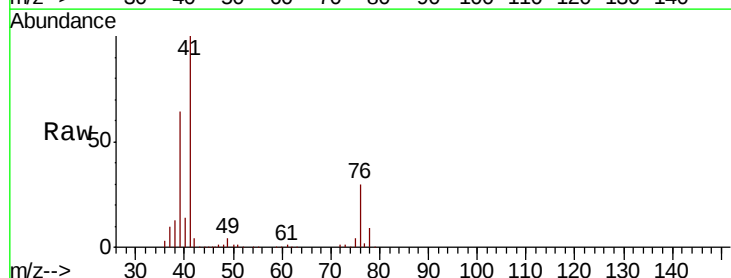
Tgt Ion: 41 Resp: 71434

Ion Ratio Lower Upper

41 100

39 57.7 46.7 70.1

76 27.1 21.8 32.8





#15

Acrylonitrile

Concen: 98.464 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

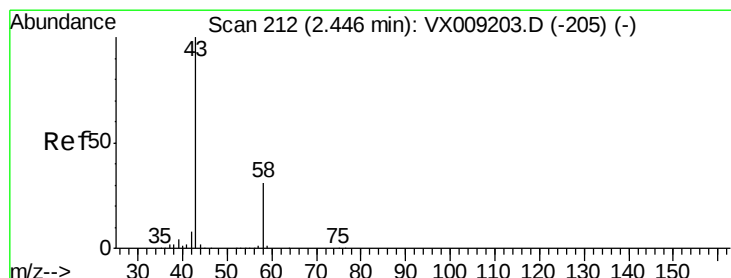
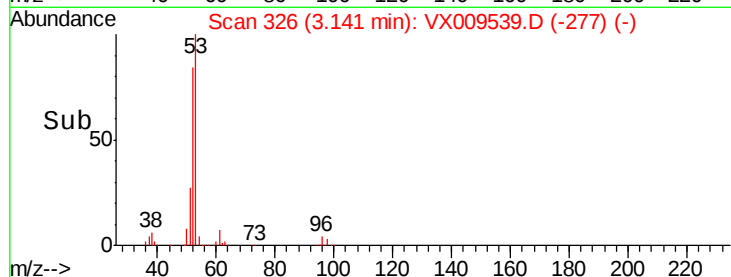
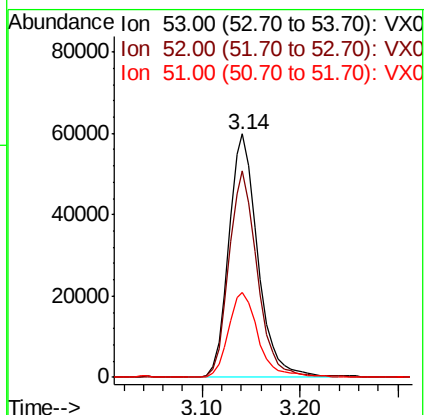
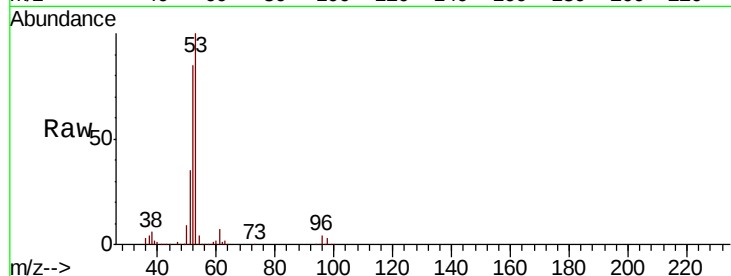
Tot Ion: 53 Resp: 122503

Ion Ratio Lower Upper

53 100

52 83.8 66.9 100.3

51 35.8 28.2 42.2



#16

Acetone

Concen: 98.497 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009539.D

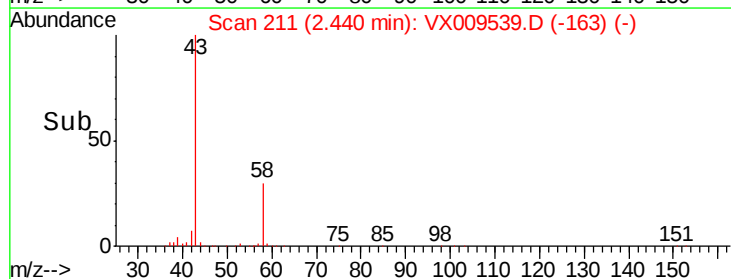
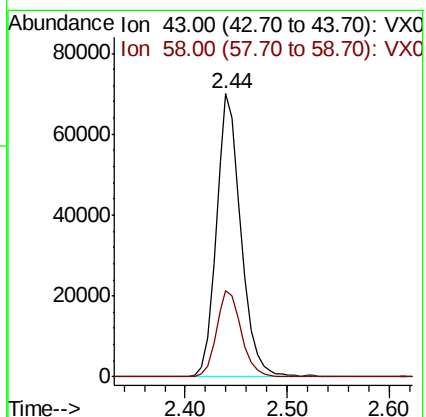
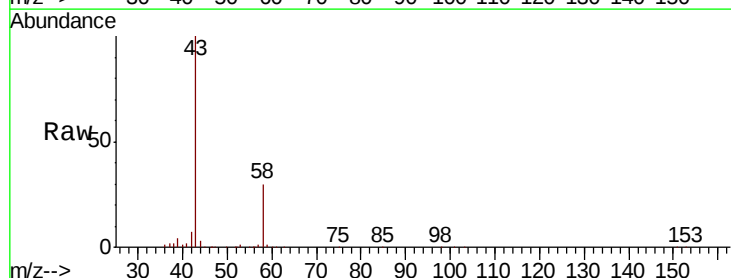
Acq: 13 May 2019 13:35

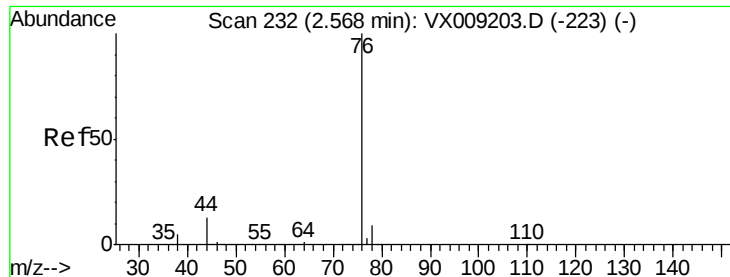
Tgt Ion: 43 Resp: 116262

Ion Ratio Lower Upper

43 100

58 30.3 24.9 37.3

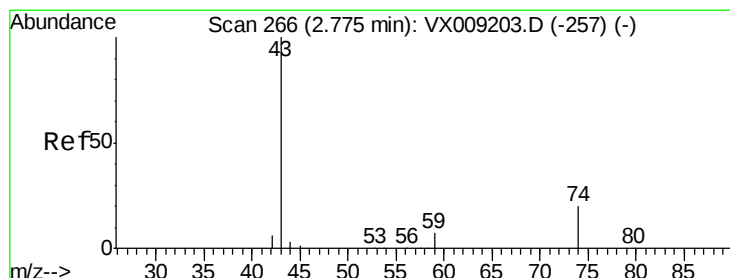
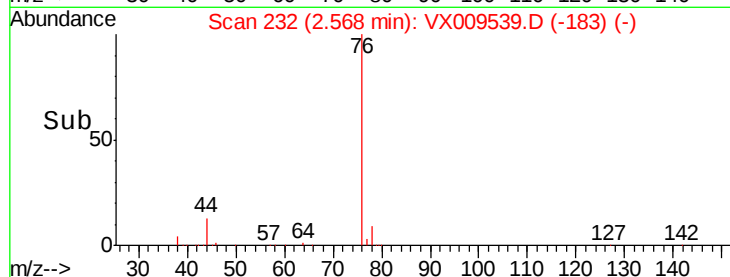
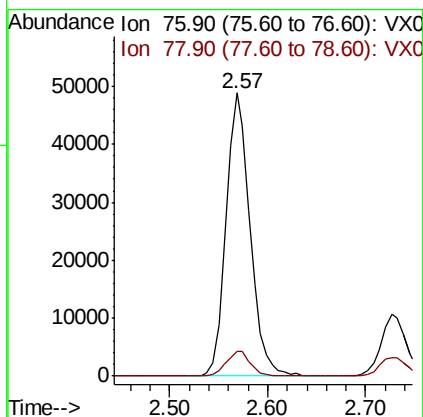
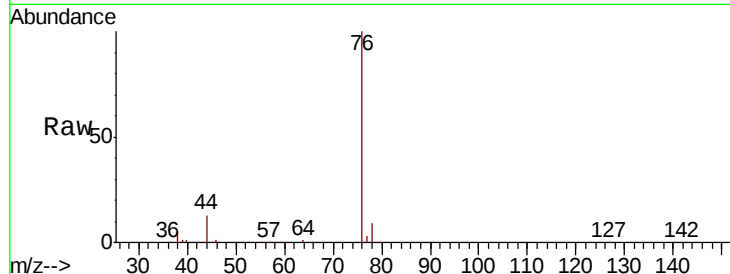




#17
Carbon Disulfide
Concen: 19.548 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

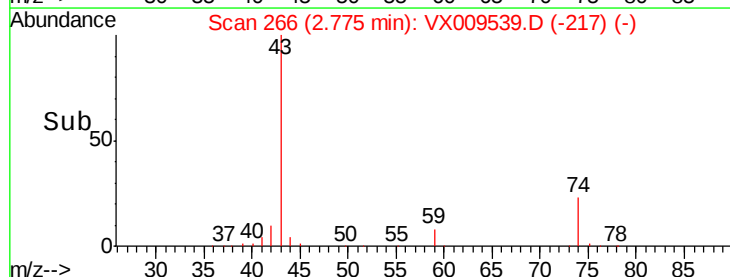
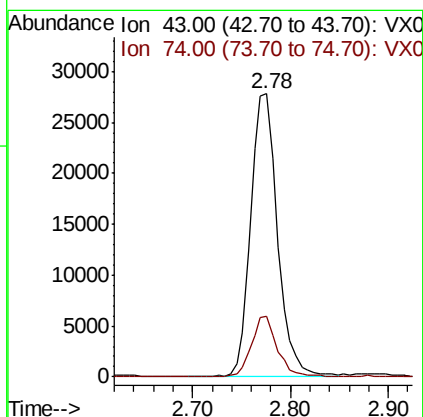
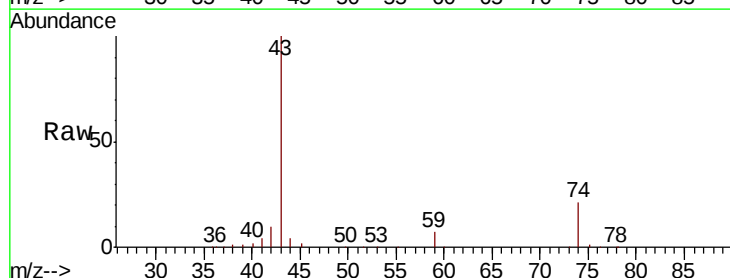
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion: 76 Resp: 82922
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 18.832 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 43 Resp: 52863
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4



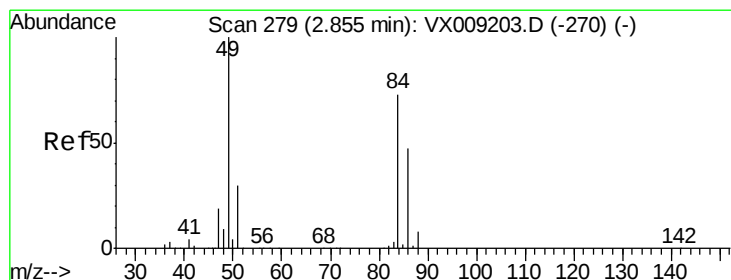
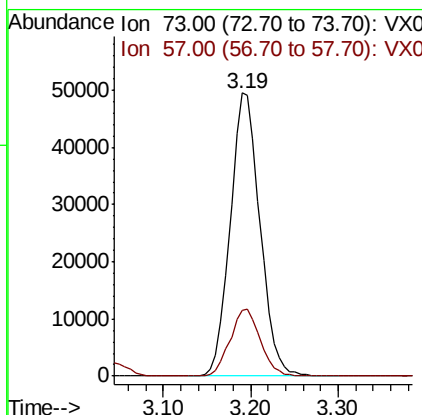
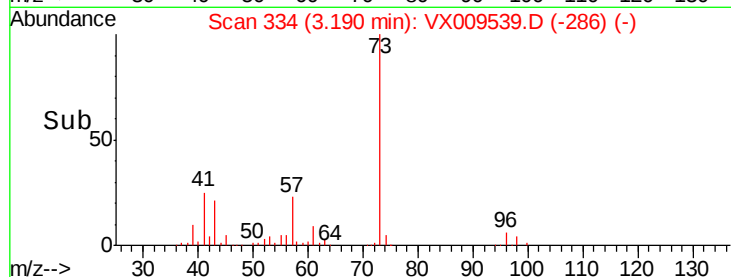
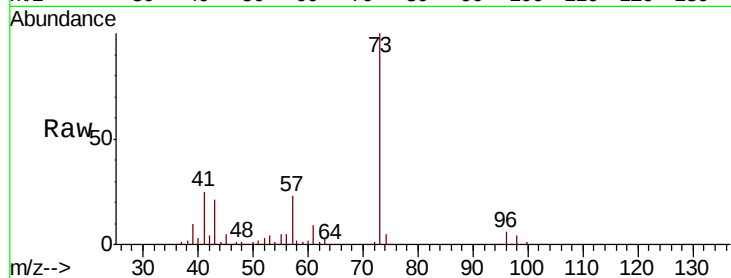


#19

Methyl tert-butyl Ether
 Concen: 19.968 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0513WBSD01

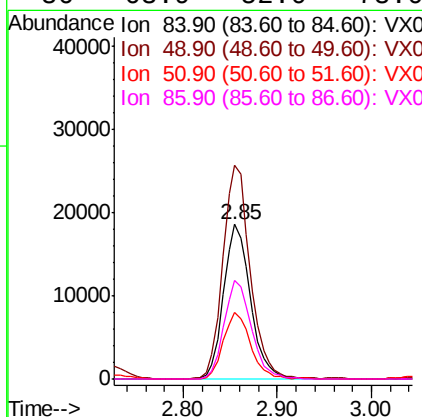
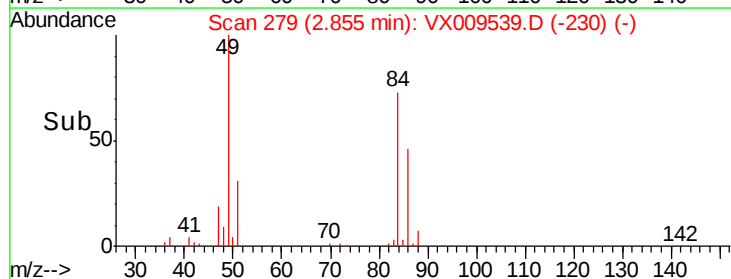
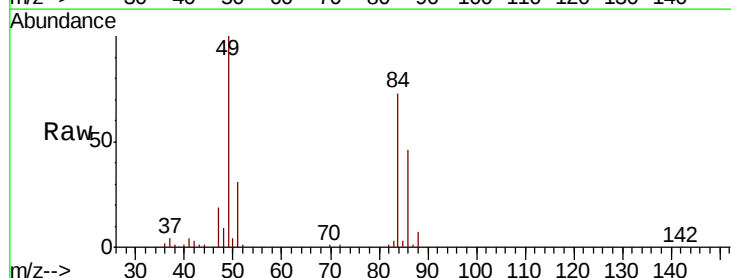
Tot Ion: 73 Resp: 117157
 Ion Ratio Lower Upper
 73 100
 57 23.1 19.3 28.9



#20

Methylene Chloride
 Concen: 19.280 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion: 84 Resp: 36847
 Ion Ratio Lower Upper
 84 100
 49 137.7 109.9 164.9
 51 43.2 32.7 49.1
 86 63.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.245 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

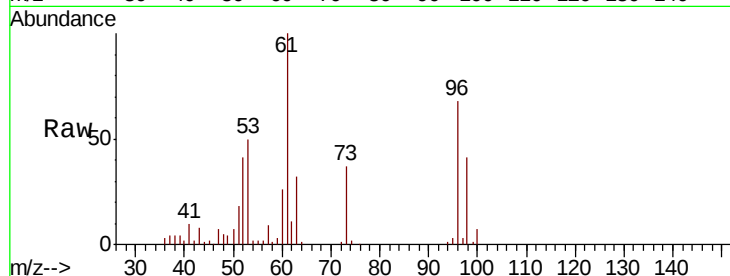
Tot Ion: 96 Resp: 33173

Ion Ratio Lower Upper

96 100

61 148.1 124.5 186.7

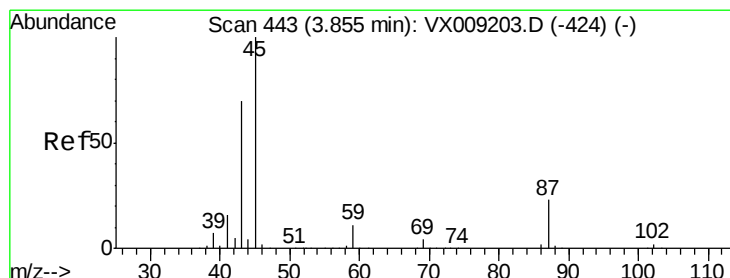
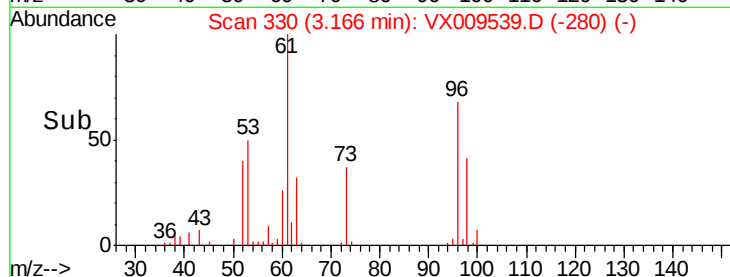
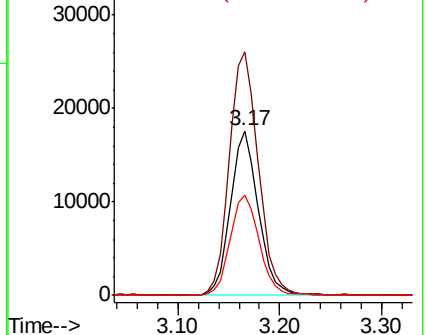
98 60.9 50.4 75.6



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: 20.003 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Tgt Ion: 45 Resp: 141642

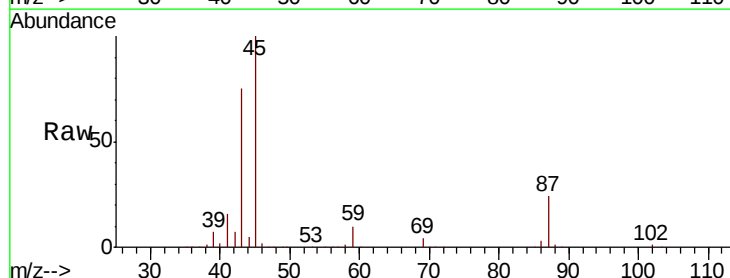
Ion Ratio Lower Upper

45 100

43 74.7 56.1 84.1

87 24.0 18.1 27.1

59 10.2 8.5 12.7

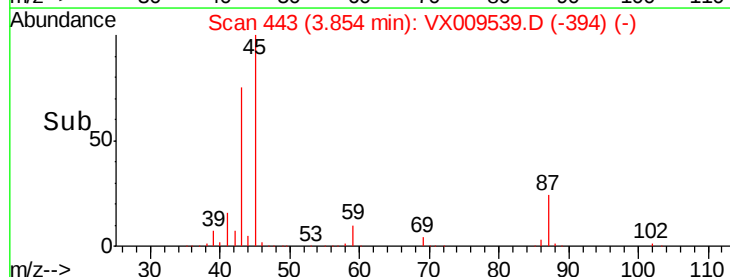
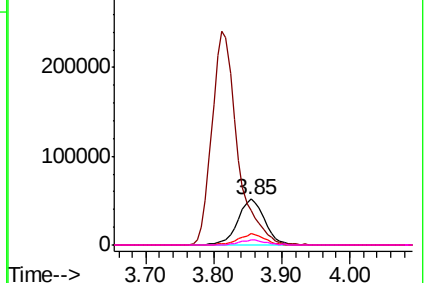


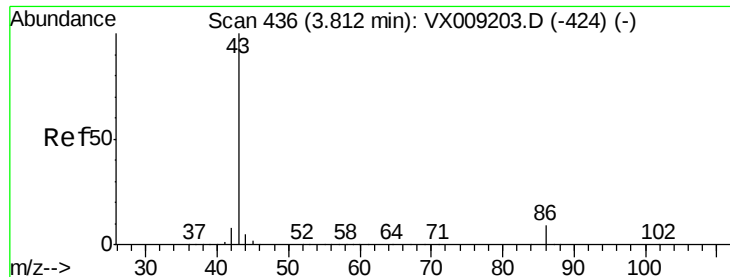
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 103.318 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleID :

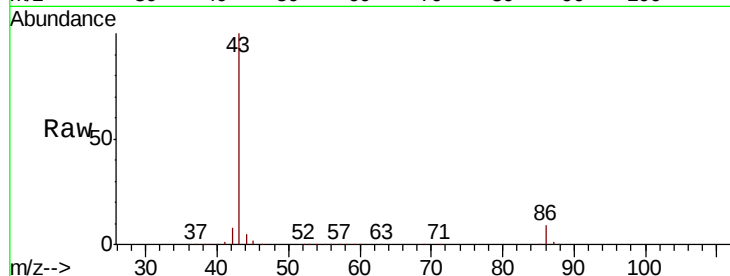
VX0513WBSD01

Tot Ion: 43 Resp: 626483

Ion Ratio Lower Upper

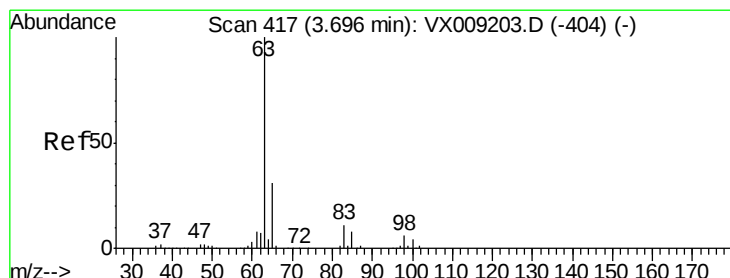
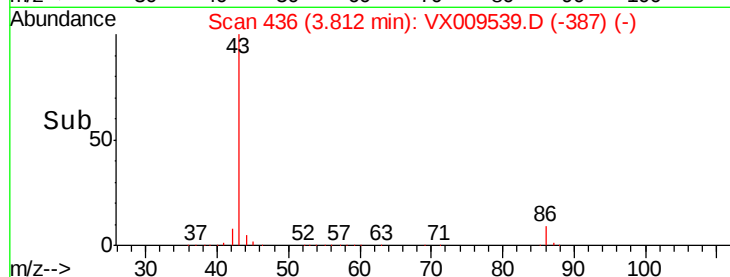
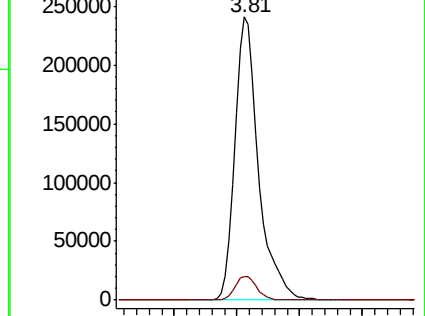
43 100

86 8.5 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: 19.493 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

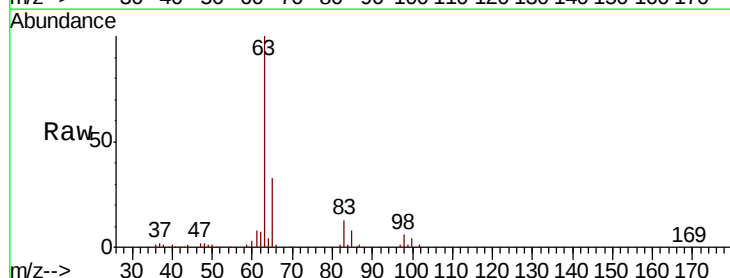
Tgt Ion: 63 Resp: 68092

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

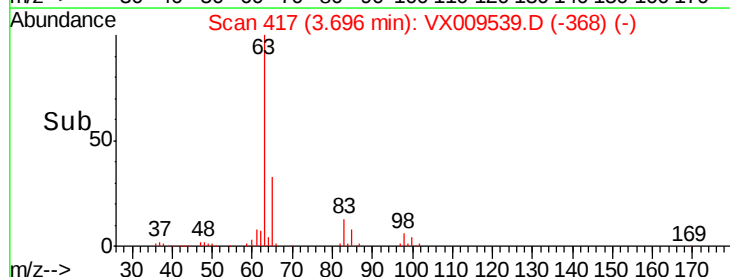
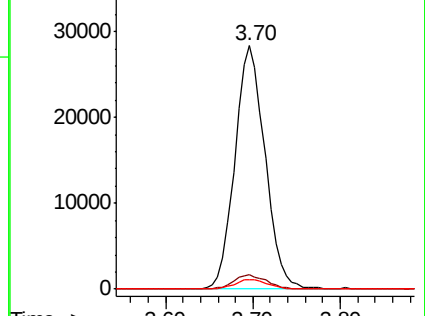
100 3.9 2.0 6.0

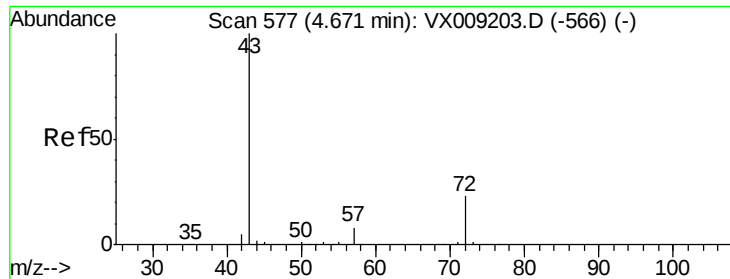


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.488 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

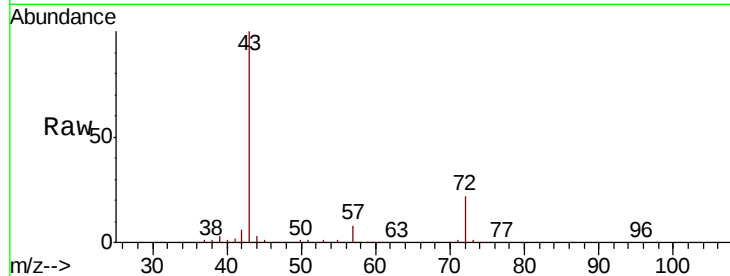
VX0513WBSD01

Tot Ion: 43 Resp: 184319

Ion Ratio Lower Upper

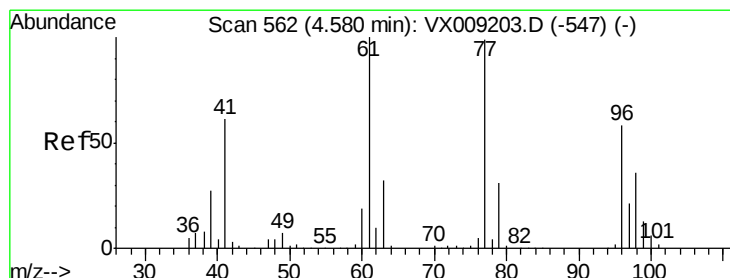
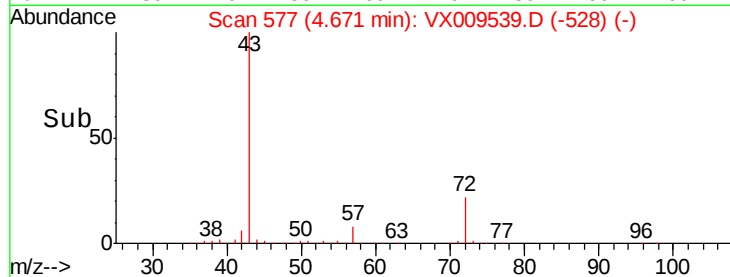
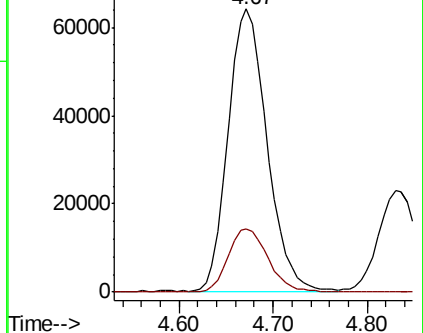
43 100

72 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.358 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009539.D

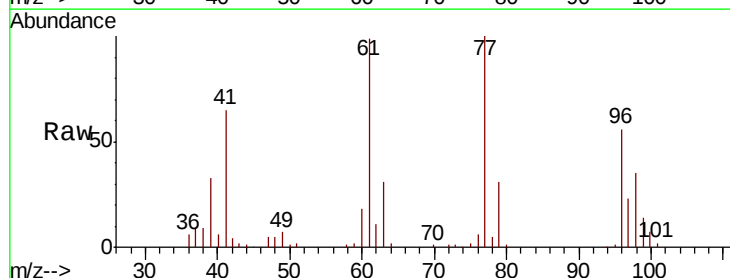
Acq: 13 May 2019 13:35

Tgt Ion: 77 Resp: 50334

Ion Ratio Lower Upper

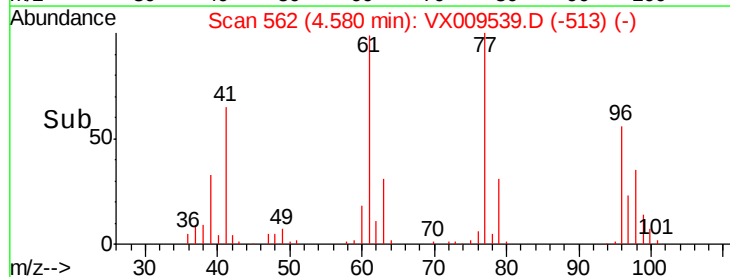
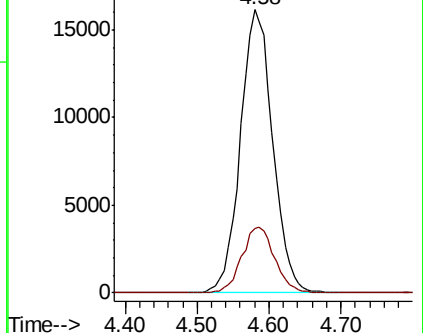
77 100

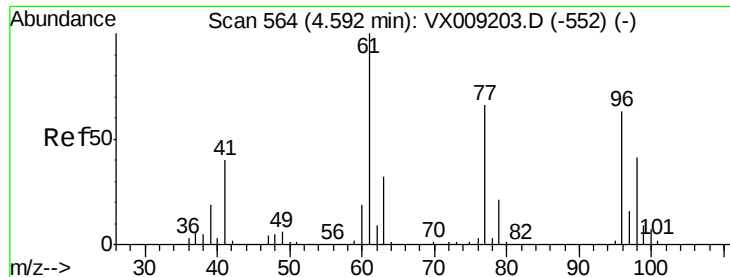
97 23.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



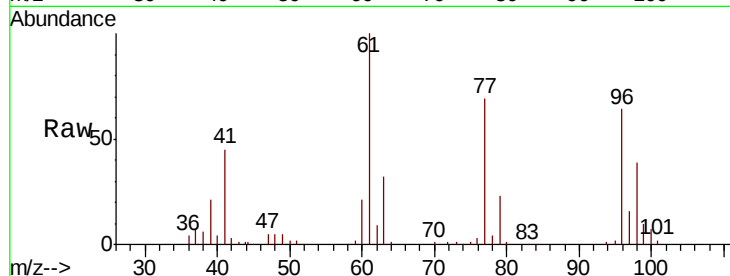


#27

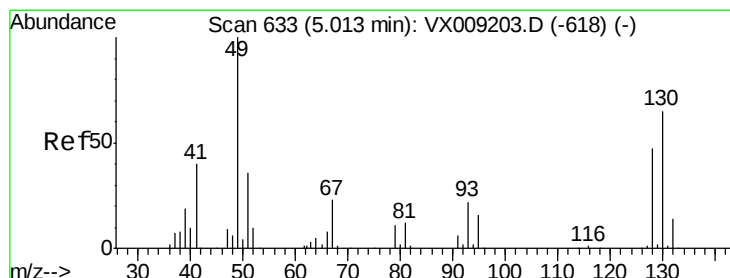
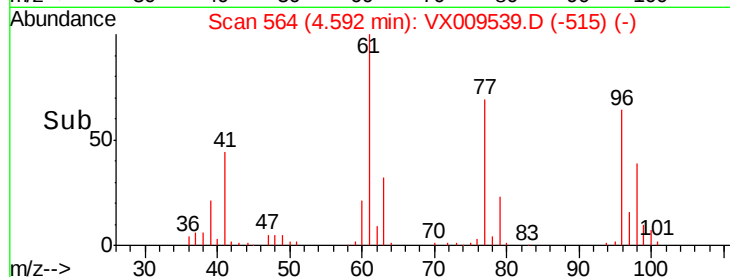
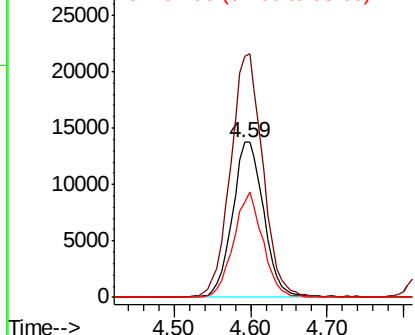
cis-1,2-Dichloroethene
Concen: 19.973 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion: 96 Resp: 39064
Ion Ratio Lower Upper
96 100
61 161.5 0.0 324.0
98 63.2 0.0 130.4



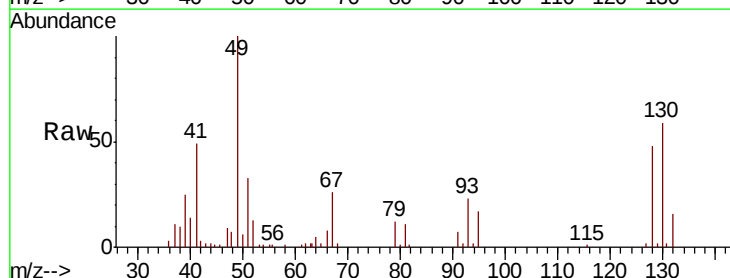
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



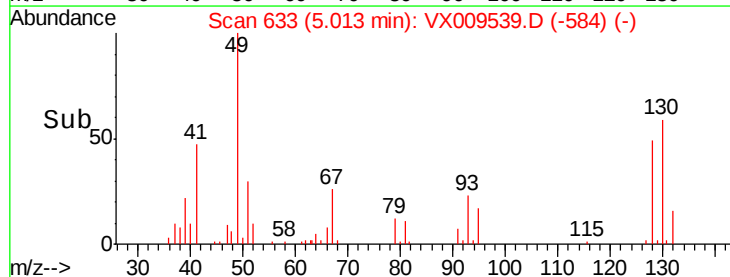
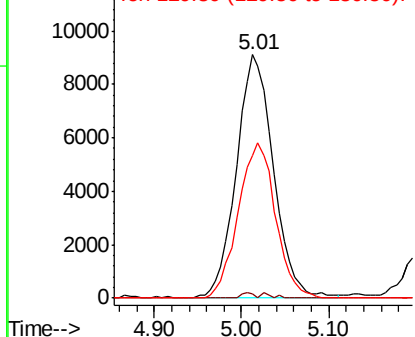
#28

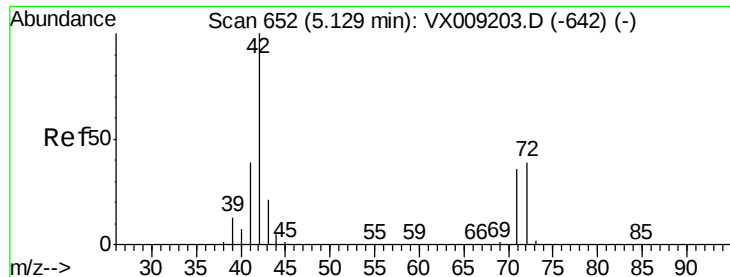
Bromochloromethane
Concen: 17.323 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 49 Resp: 26878
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.8
130 0.0 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

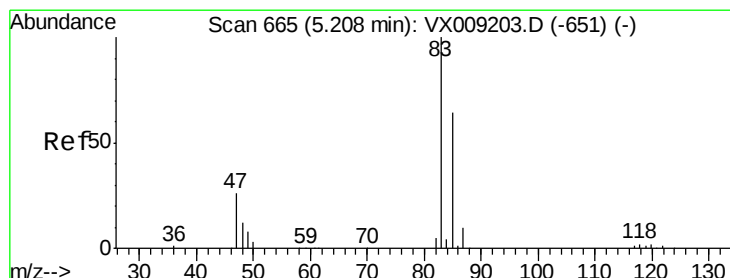
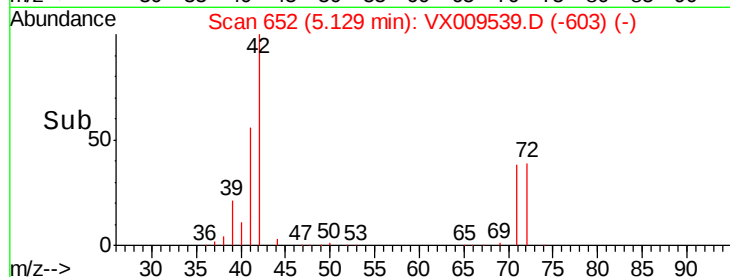
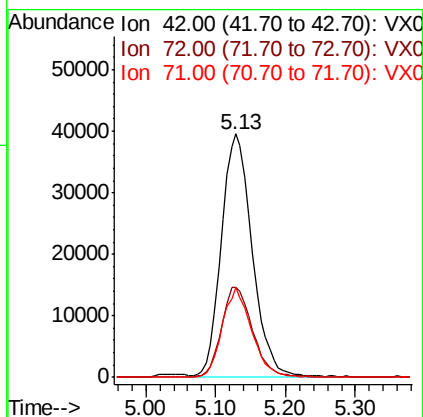
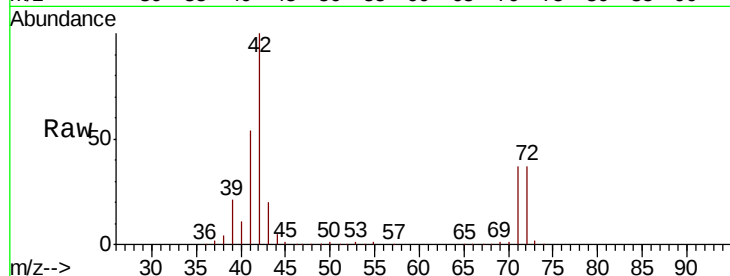




#29
Tetrahydrofuran
Concen: 102.113 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

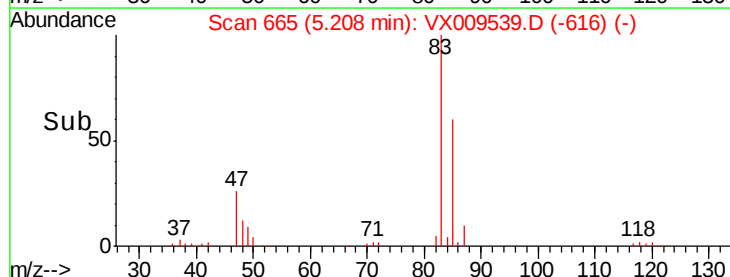
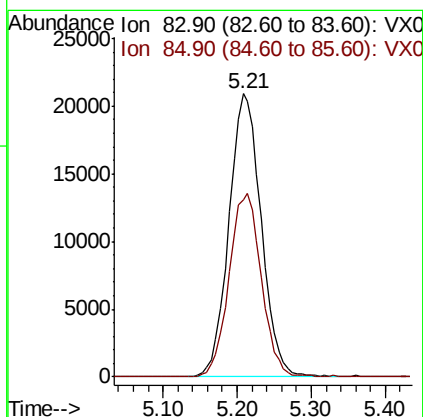
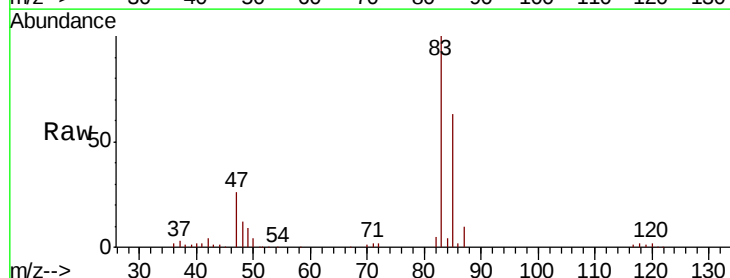
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

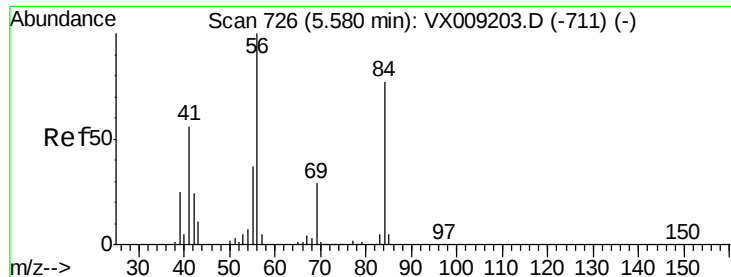
Tot Ion: 42 Resp: 120527
Ion Ratio Lower Upper
42 100
72 38.1 30.4 45.6
71 35.2 28.6 43.0



#30
Chloroform
Concen: 20.033 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 83 Resp: 63291
Ion Ratio Lower Upper
83 100
85 62.6 51.5 77.3

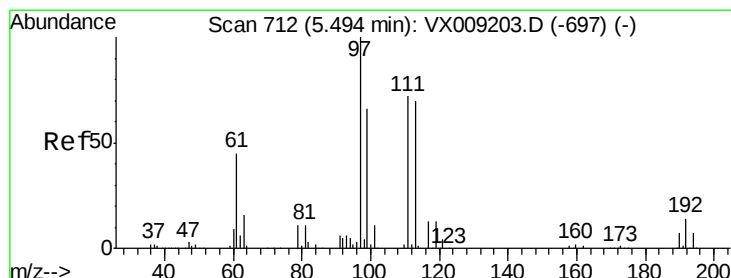
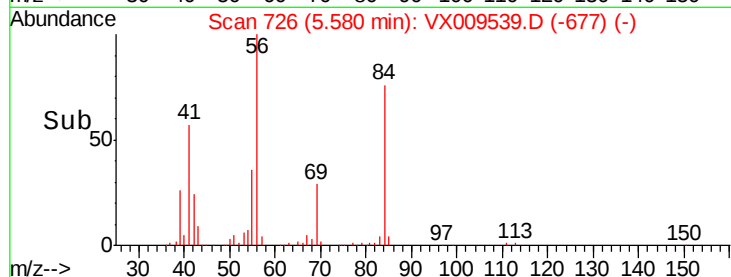
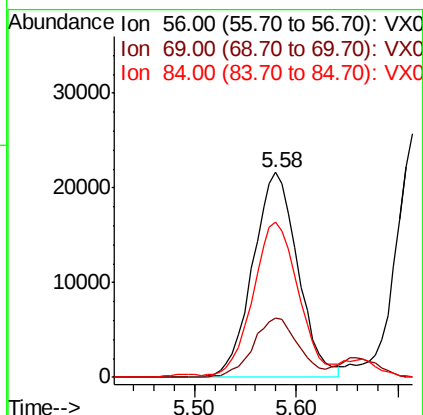
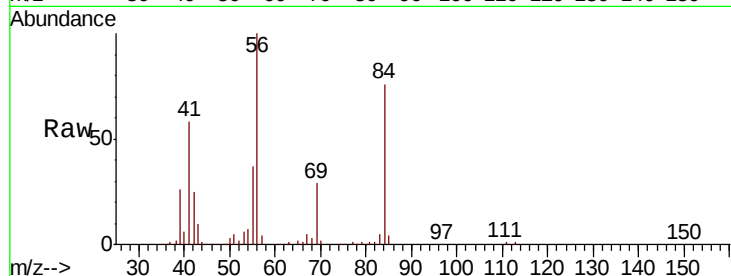




#31
Cyclohexane
Concen: 20.382 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

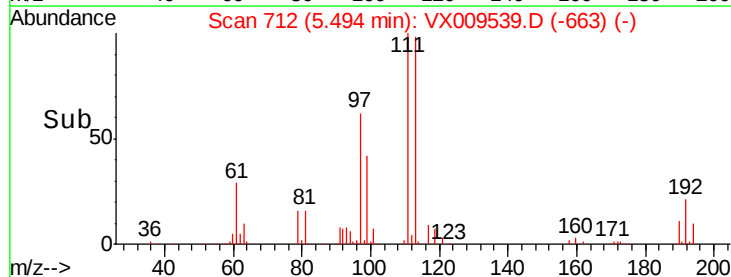
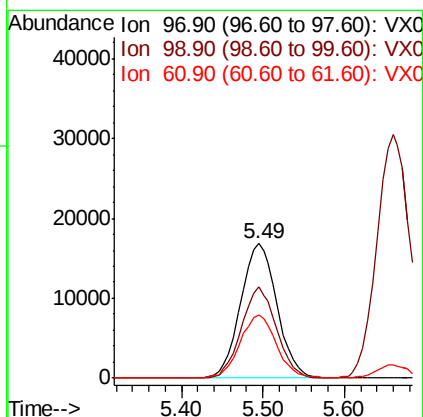
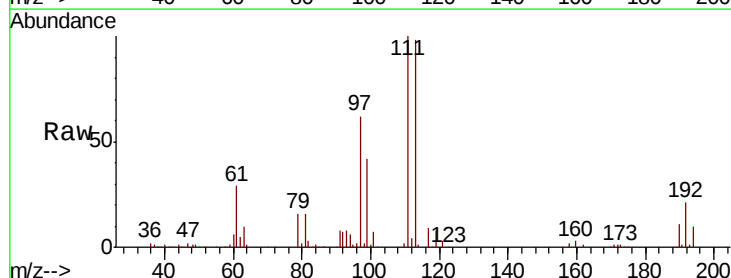
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion: 56 Resp: 66239
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.0
84 74.1 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 19.788 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 97 Resp: 52043
Ion Ratio Lower Upper
97 100
99 65.4 51.8 77.8
61 47.1 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 46.751 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

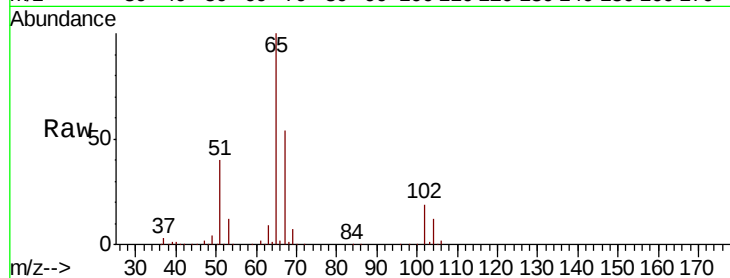
VX0513WBSD01

Tot Ion: 65 Resp: 102770

Ion Ratio Lower Upper

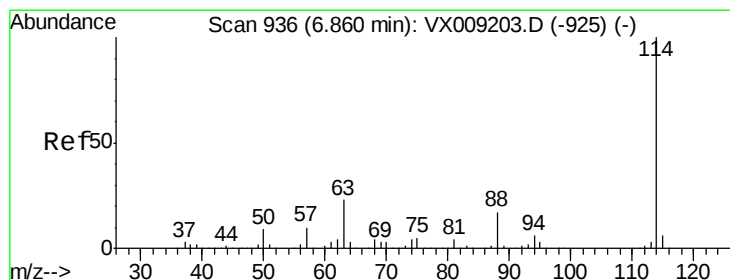
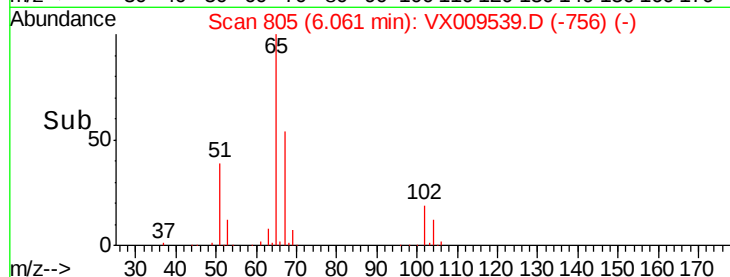
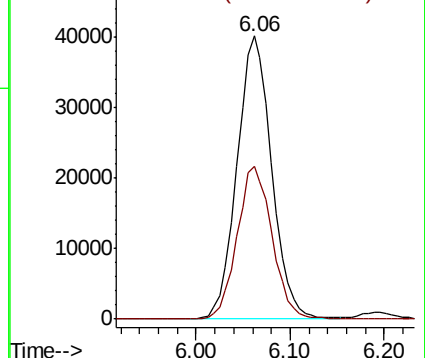
65 100

67 54.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

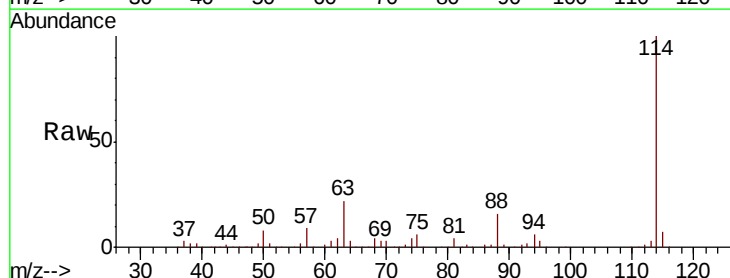
Tgt Ion: 114 Resp: 257651

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

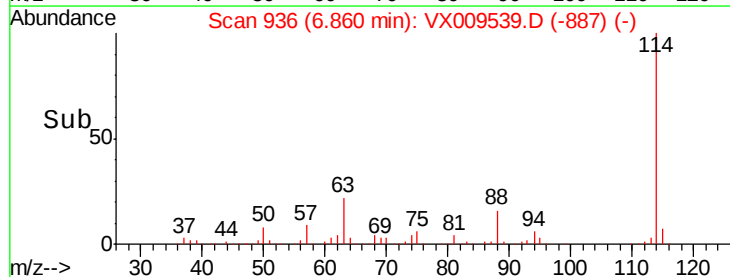
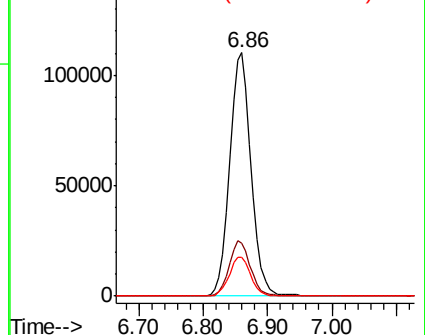
88 15.9 0.0 33.2

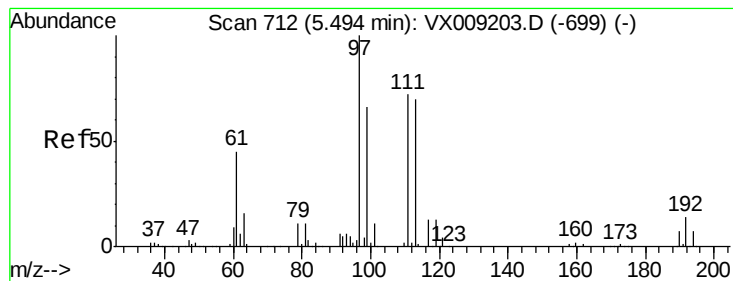


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.322 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

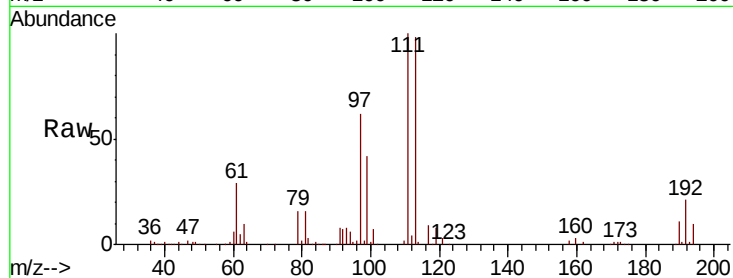
Tot Ion:113 Resp: 76647

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

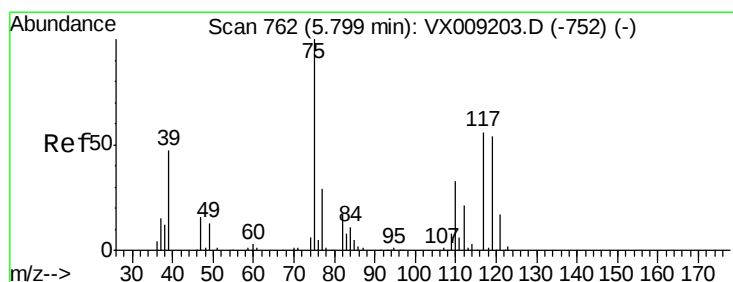
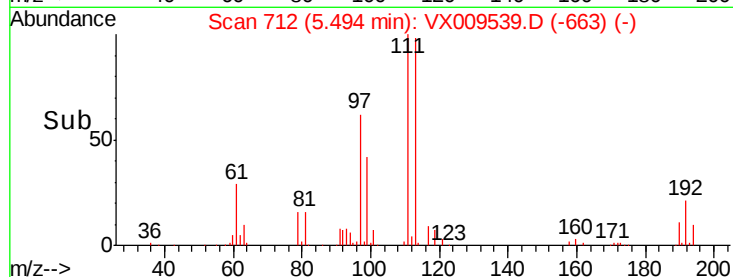
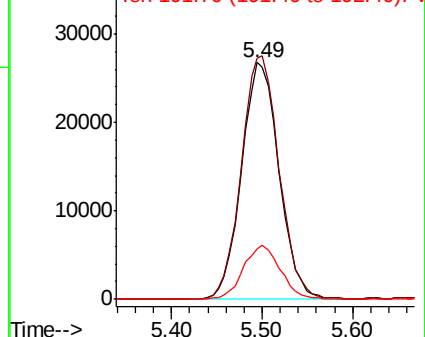
192 22.4 17.0 25.6



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: 20.229 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

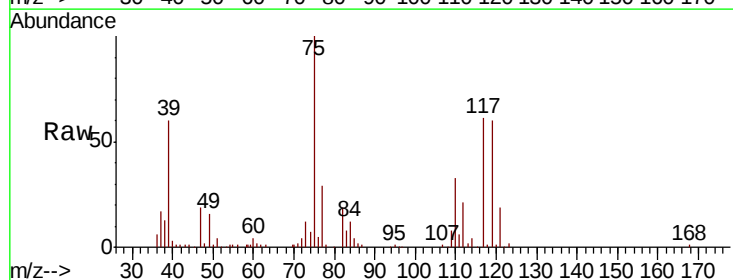
Tgt Ion: 75 Resp: 48436

Ion Ratio Lower Upper

75 100

110 33.9 16.9 50.6

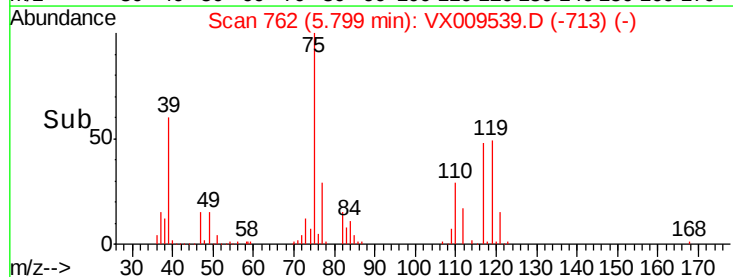
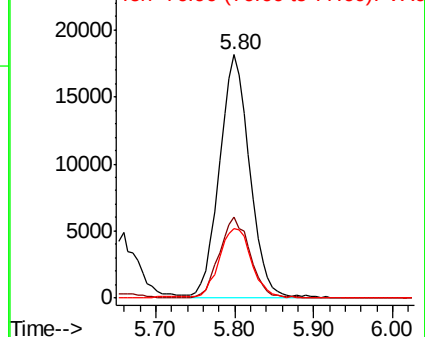
77 30.9 24.8 37.2

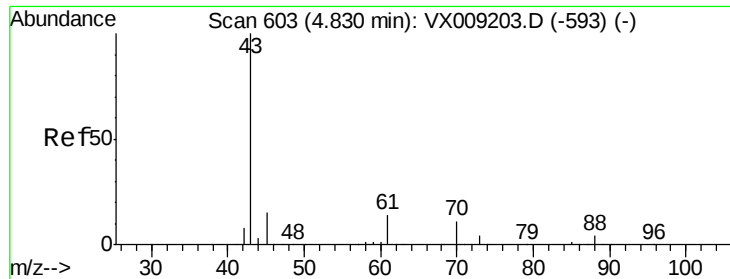


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 20.457 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

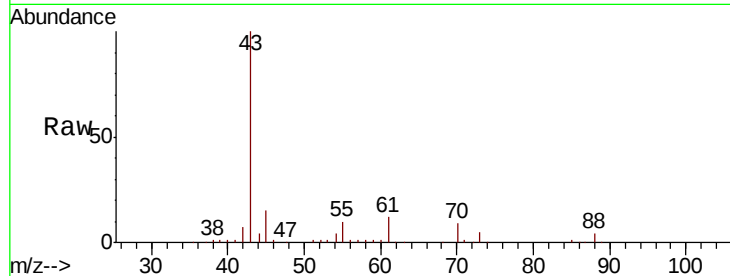
Tot Ion: 43 Resp: 68247

Ion Ratio Lower Upper

43 100

61 13.3 10.5 15.7

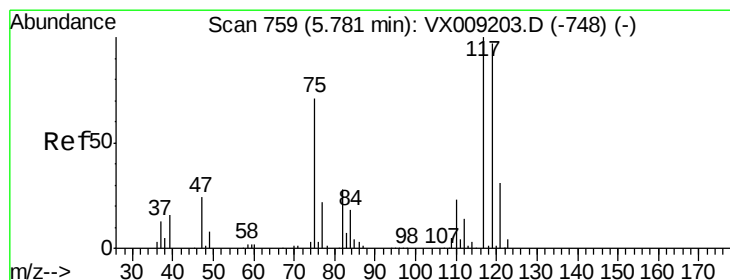
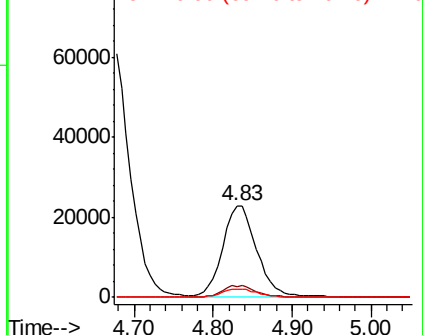
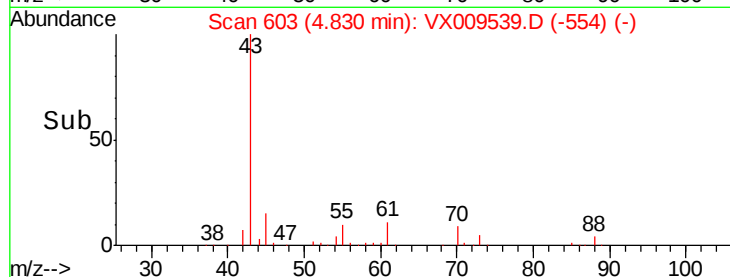
70 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 20.014 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

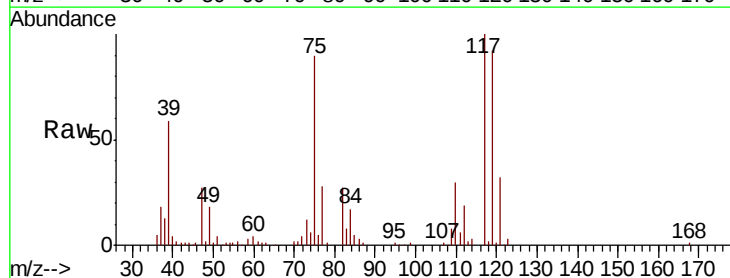
Tgt Ion: 117 Resp: 43539

Ion Ratio Lower Upper

117 100

119 91.7 77.5 116.3

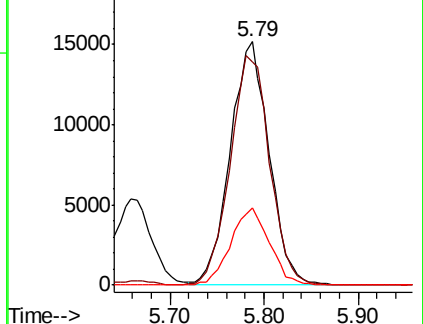
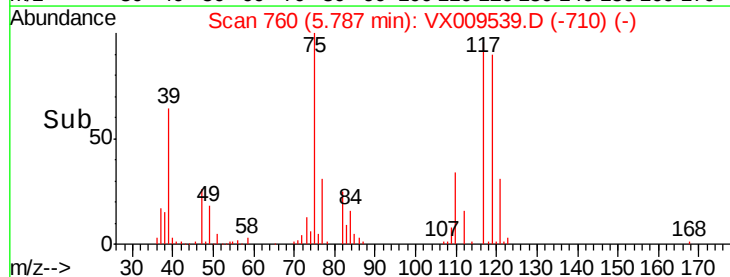
121 31.9 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

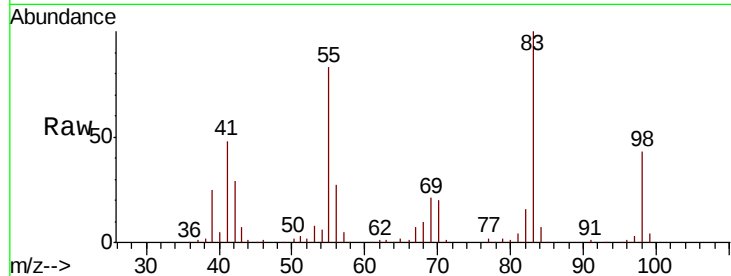




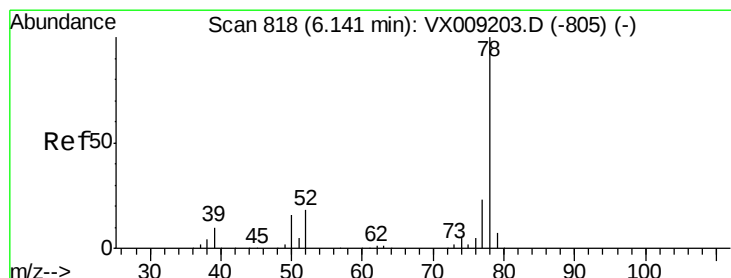
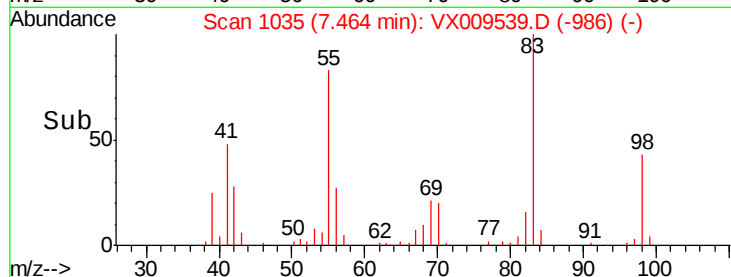
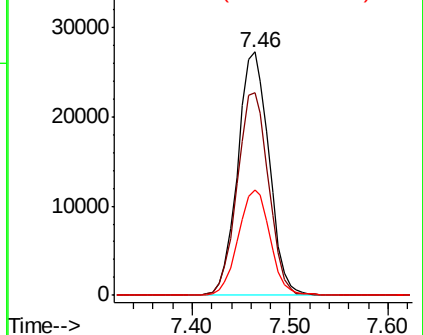
#39
Methvlcvclohexane
Concen: 20.533 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion: 83 Resp: 60379
Ion Ratio Lower Upper
83 100
55 83.3 67.7 101.5
98 43.1 35.5 53.3

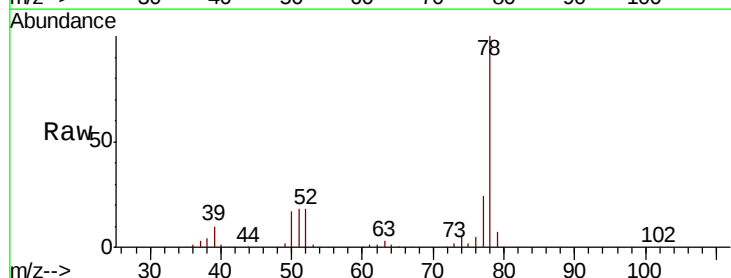


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

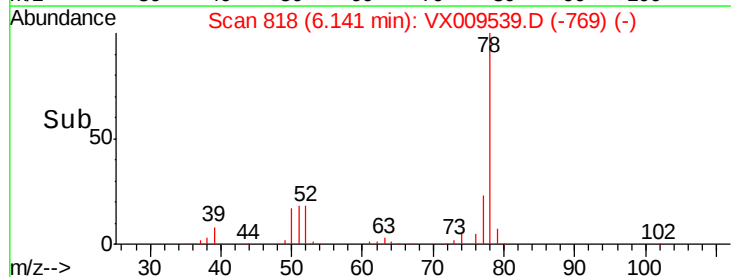
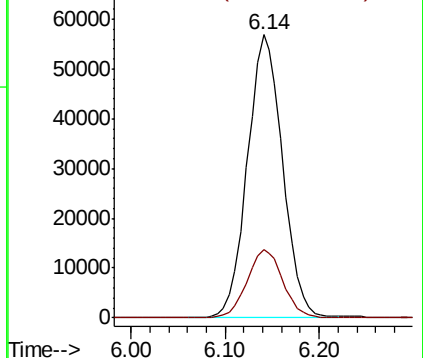


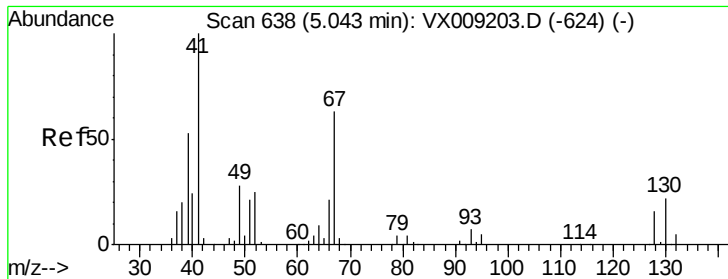
#40
Benzene
Concen: 20.086 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 78 Resp: 148838
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.554 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tot Ion: 41 Resp: 38831

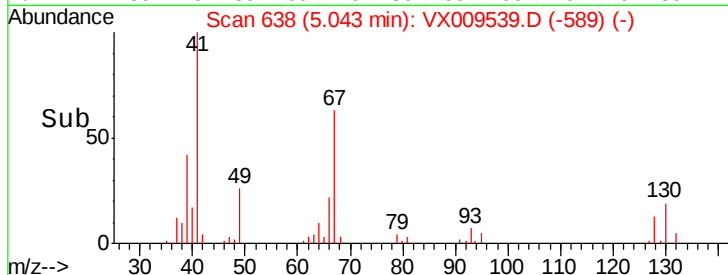
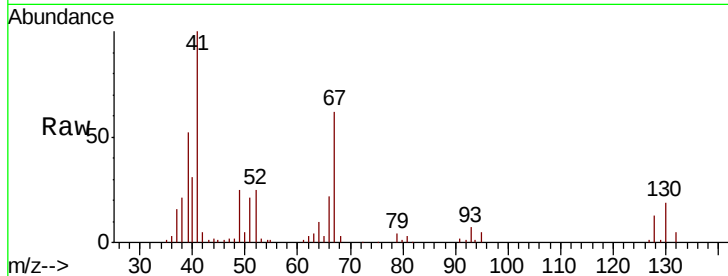
Ion Ratio Lower Upper

41 100

39 54.5 42.0 63.0

67 62.5 49.8 74.8

52 27.4 20.3 30.5

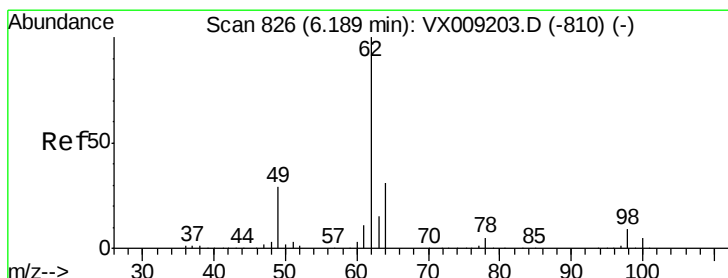
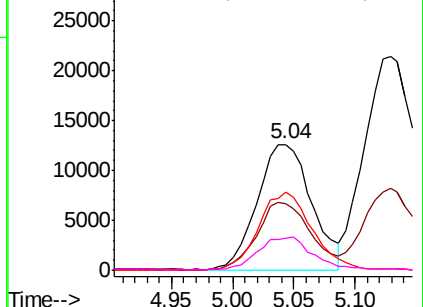


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.322 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009539.D

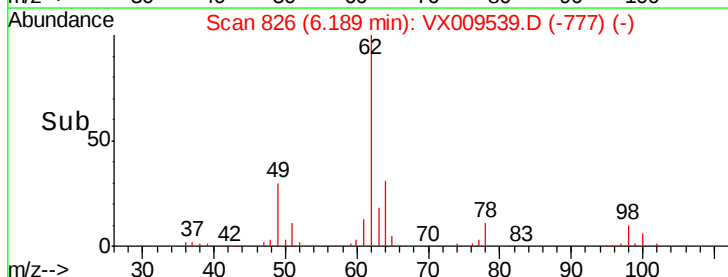
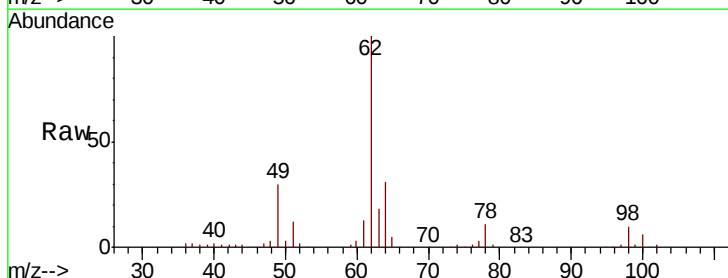
Acq: 13 May 2019 13:35

Tgt Ion: 62 Resp: 54018

Ion Ratio Lower Upper

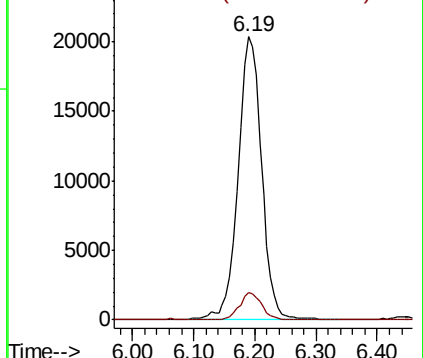
62 100

98 9.1 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



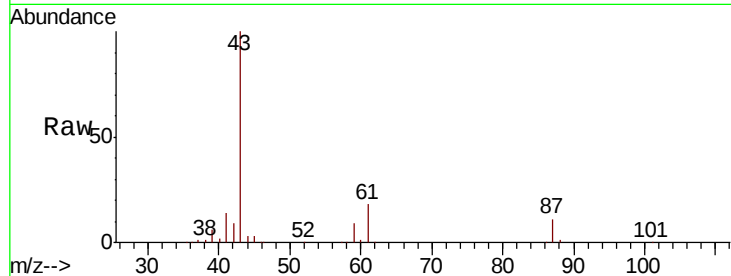


#43

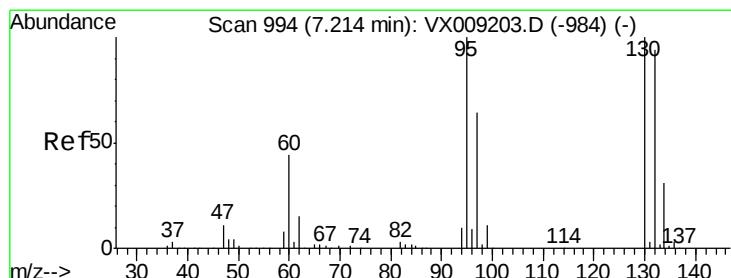
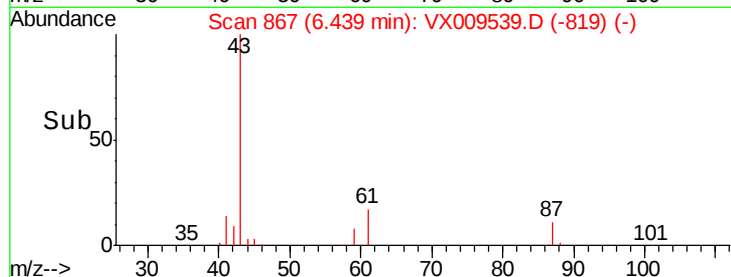
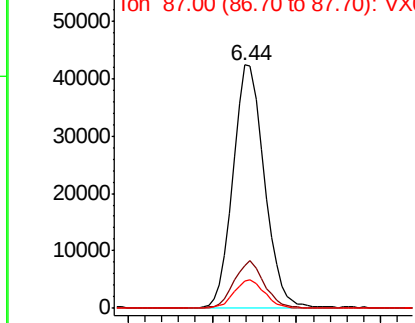
Isopropyl Acetate
 Concen: 19.930 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0513WBSD01

Tot Ion: 43 Resp: 106350
 Ion Ratio Lower Upper
 43 100
 61 19.1 15.1 22.7
 87 11.4 9.0 13.6



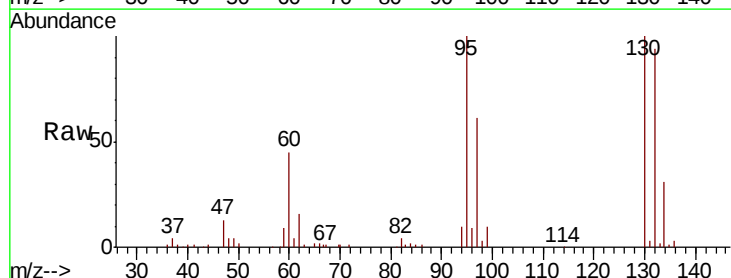
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



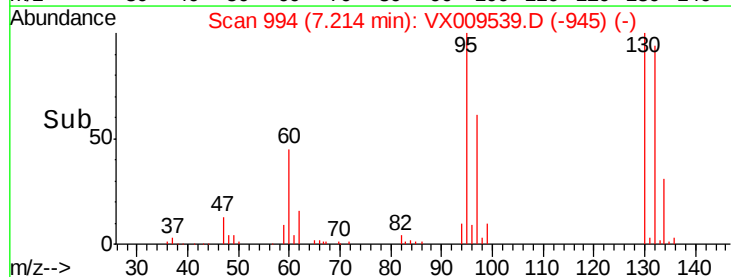
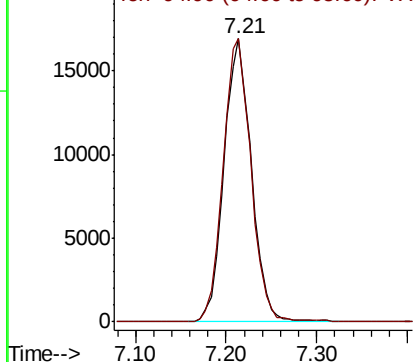
#44

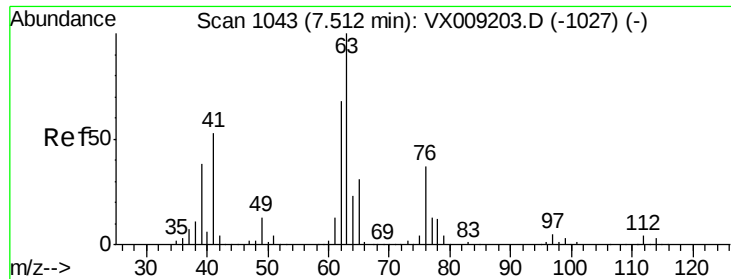
Trichloroethene
 Concen: 19.823 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion:130 Resp: 35512
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

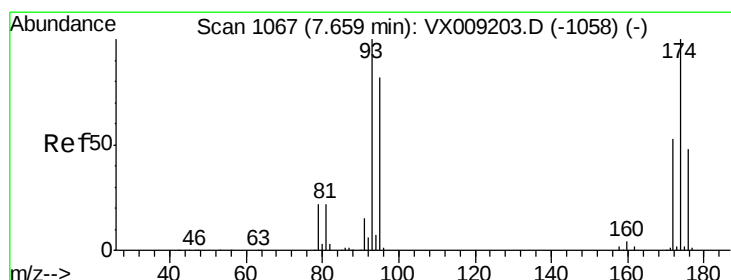
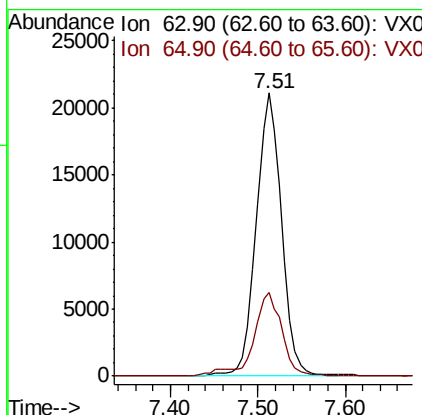
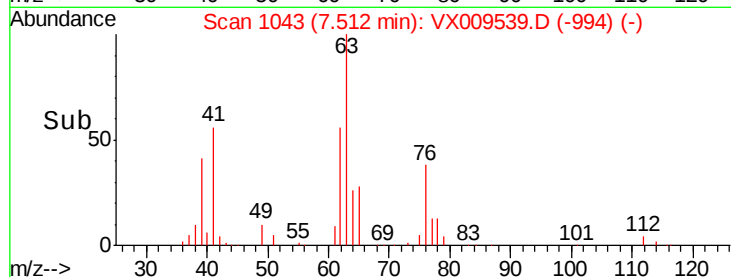
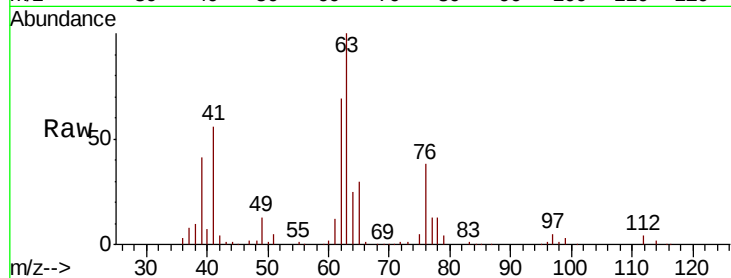




#45
 1,2-Dichloropropane
 Concen: 20.333 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

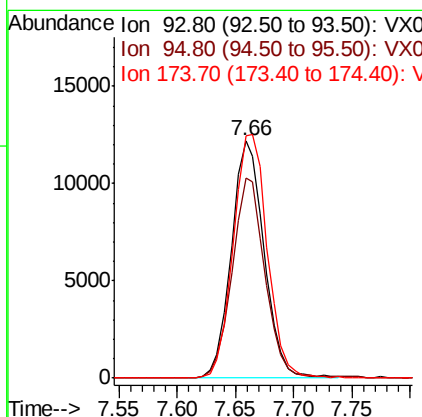
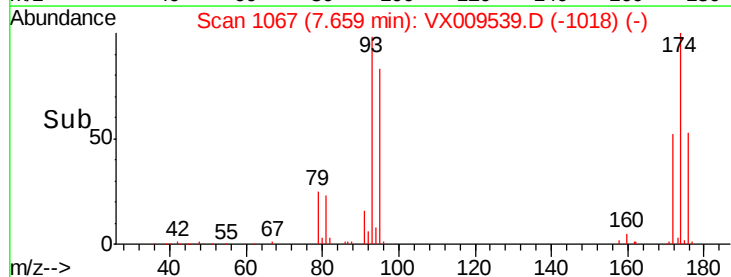
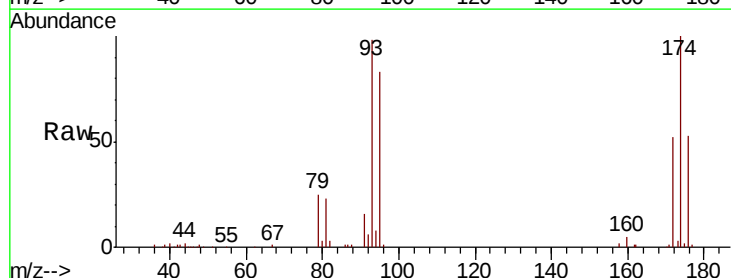
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Tot Ion: 63 Resp: 42664
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6



#46
 Dibromomethane
 Concen: 19.607 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion: 93 Resp: 23891
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.5 99.7
 174 106.8 82.1 123.1





#47

Bromodichloromethane

Concen: 20.013 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

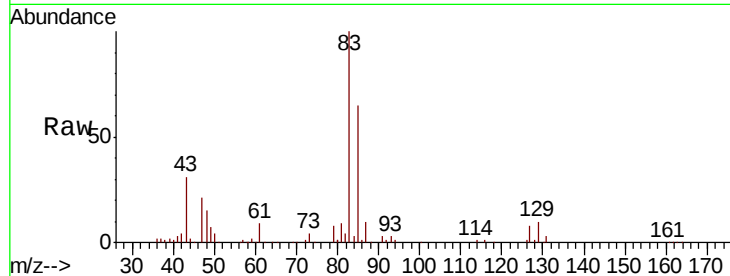
Tot Ion: 83 Resp: 48642

Ion Ratio Lower Upper

83 100

85 64.9 52.4 78.6

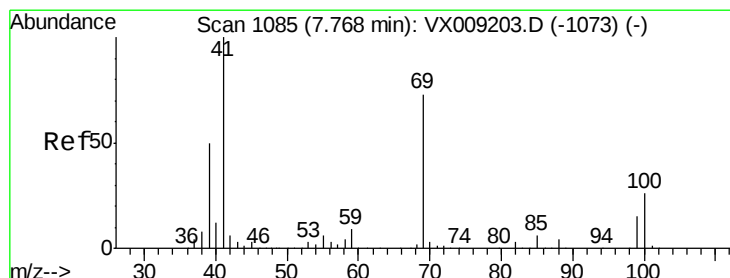
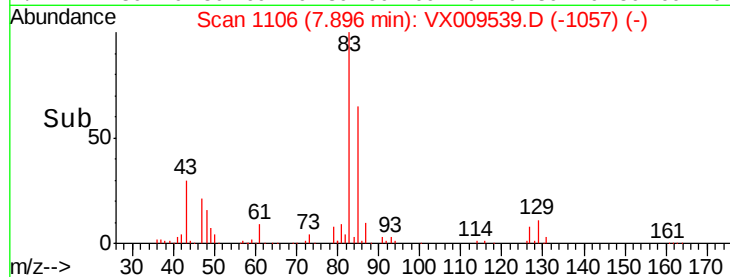
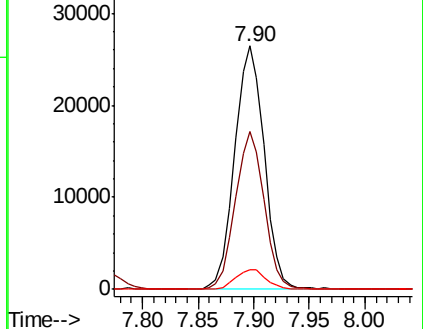
127 8.1 6.6 10.0



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): VX0



#48

Methyl methacrylate

Concen: 20.479 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

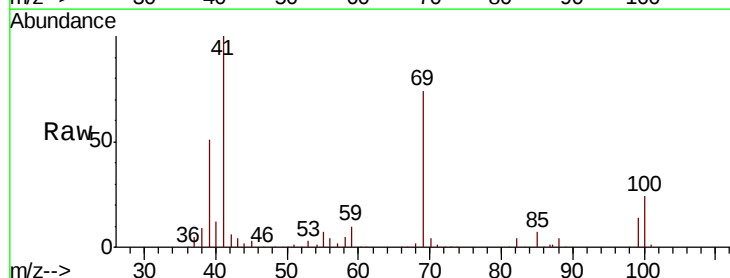
Tgt Ion: 41 Resp: 54217

Ion Ratio Lower Upper

41 100

69 71.9 59.1 88.7

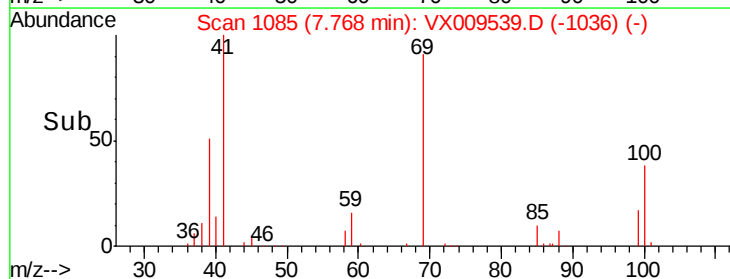
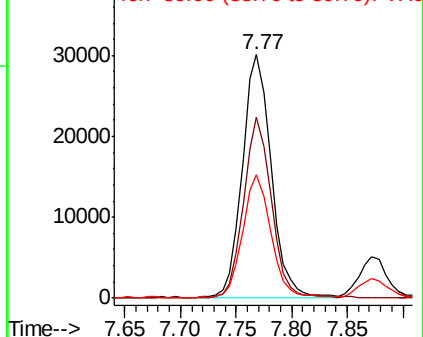
39 49.4 40.4 60.6

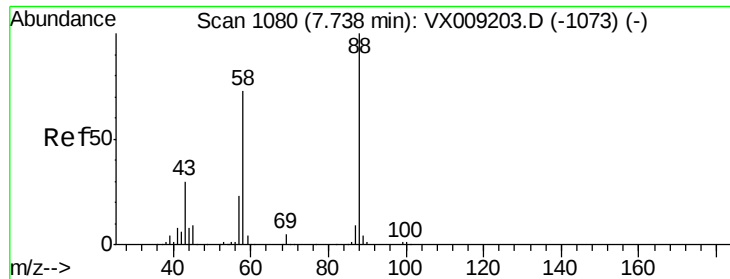


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

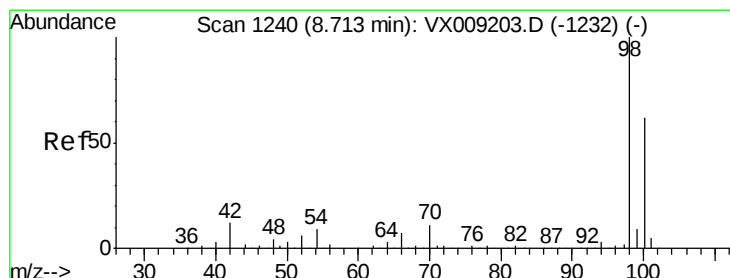
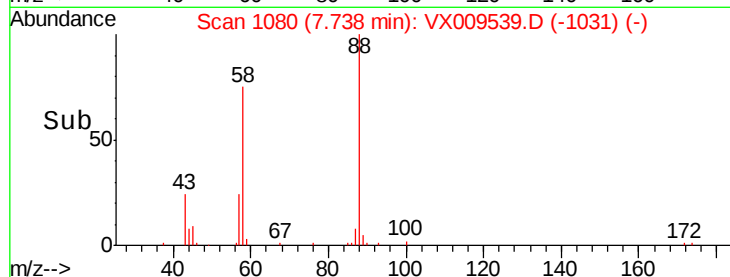
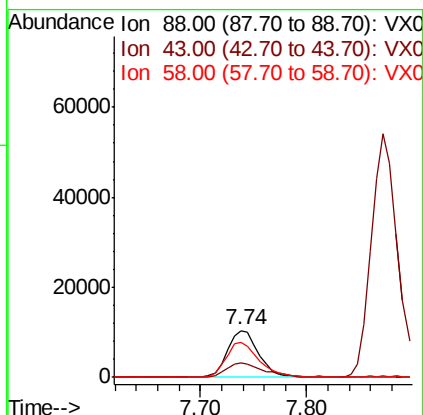
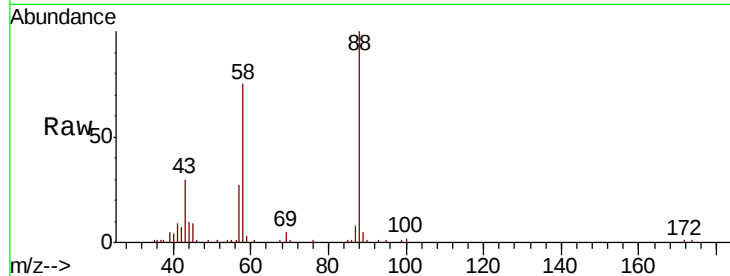




#49
1,4-Dioxane
Concen: 401.603 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

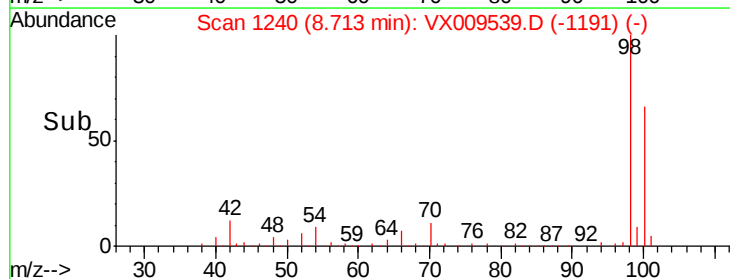
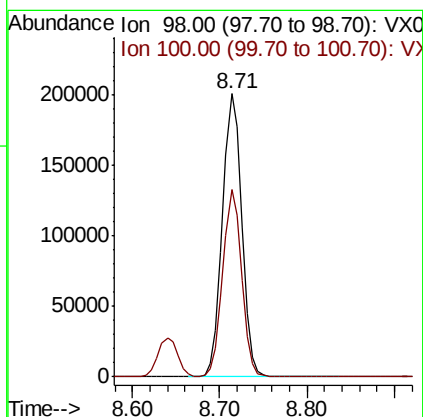
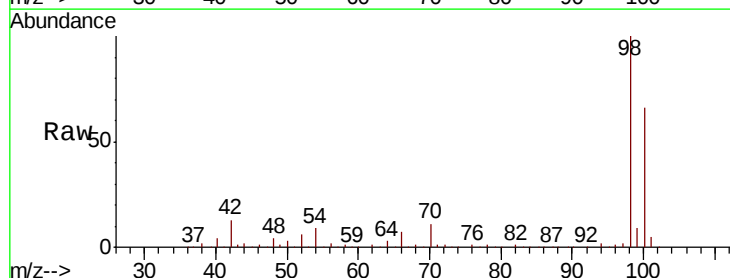
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion: 88 Resp: 21562
Ion Ratio Lower Upper
88 100
43 36.9 28.6 42.8
58 79.4 61.7 92.5



#50
Toluene-d8
Concen: 47.065 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 98 Resp: 307762
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 100.917 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

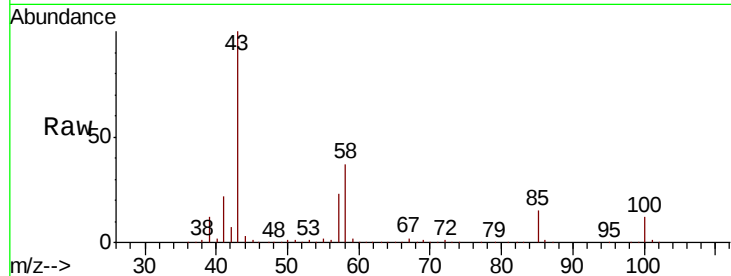
VX0513WBSD01

Tot Ion: 43 Resp: 351988

Ion Ratio Lower Upper

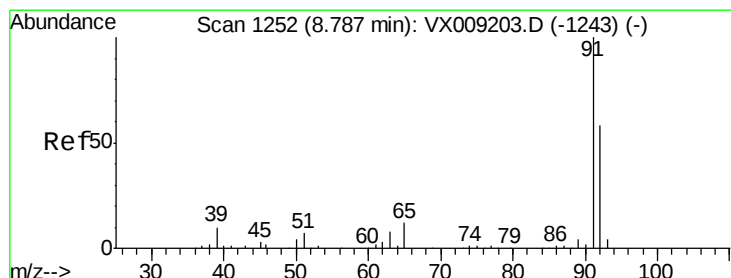
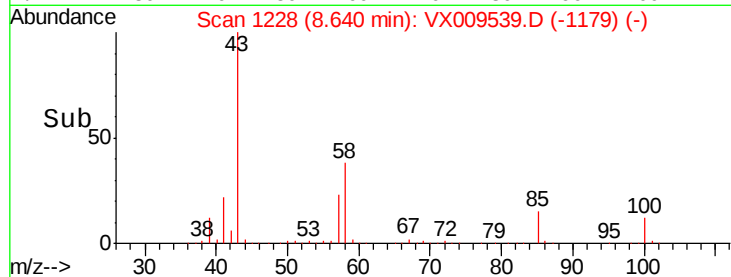
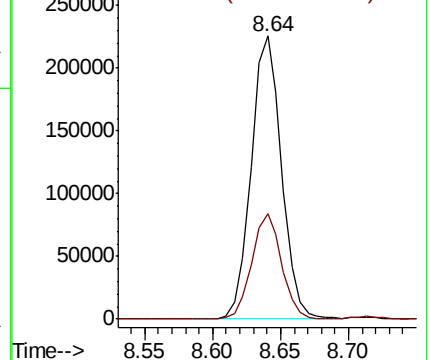
43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.442 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009539.D

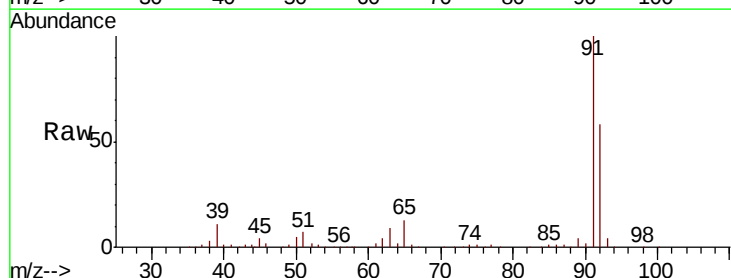
Acq: 13 May 2019 13:35

Tgt Ion: 92 Resp: 92081

Ion Ratio Lower Upper

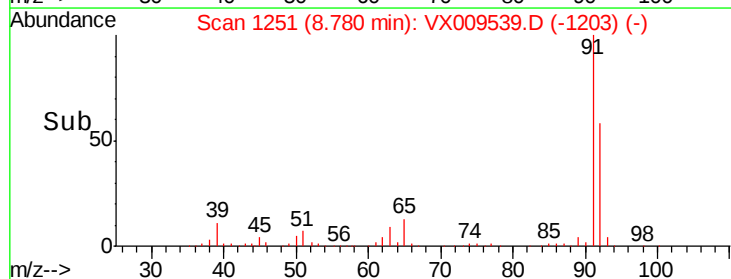
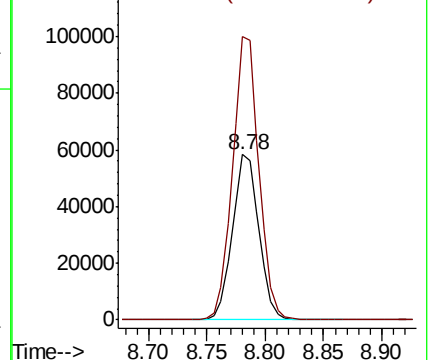
92 100

91 170.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.383 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

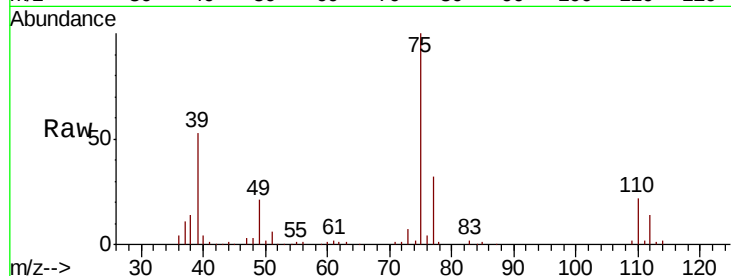
VX0513WBSD01

Tot Ion: 75 Resp: 53189

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

40000

30000

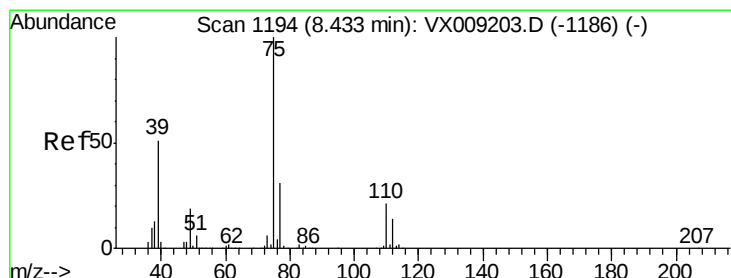
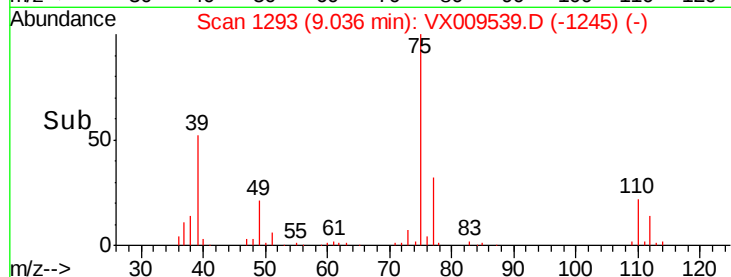
20000

10000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.952 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

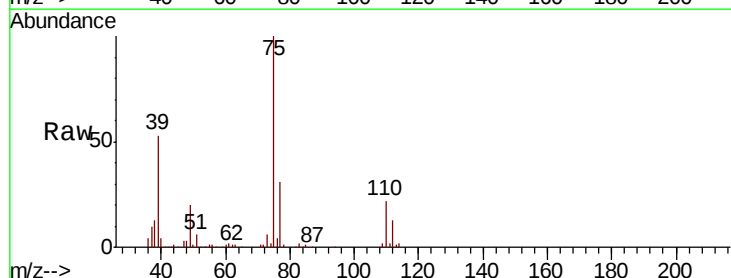
Tgt Ion: 75 Resp: 60602

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 53.0 40.6 60.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

50000

40000

30000

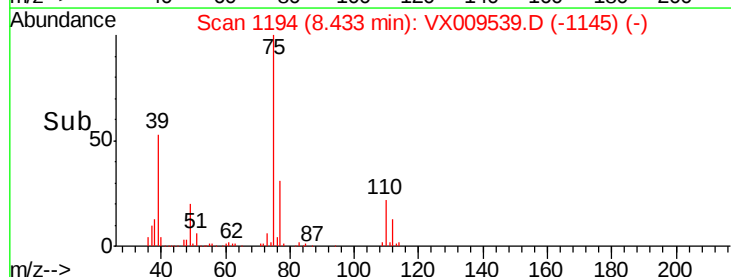
20000

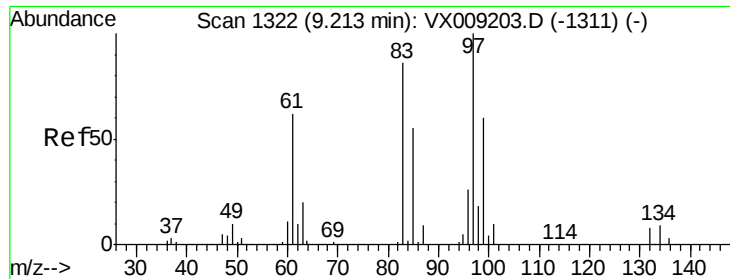
10000

0

8.30 8.40 8.50 8.60

Time-->

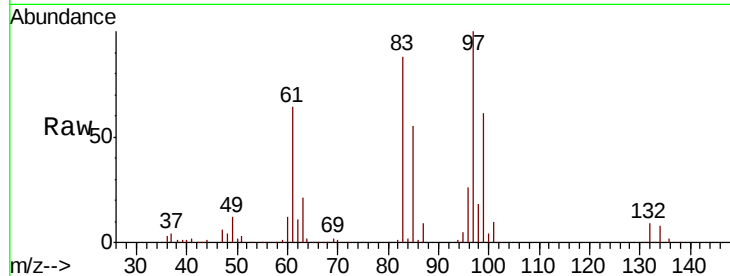




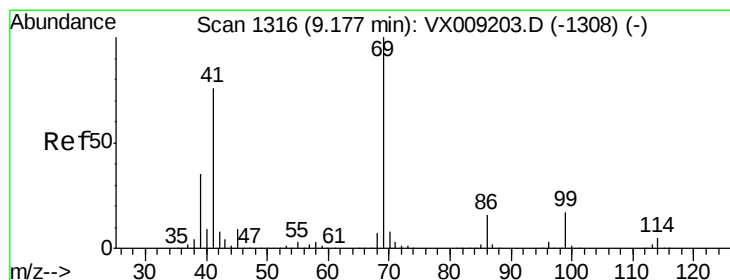
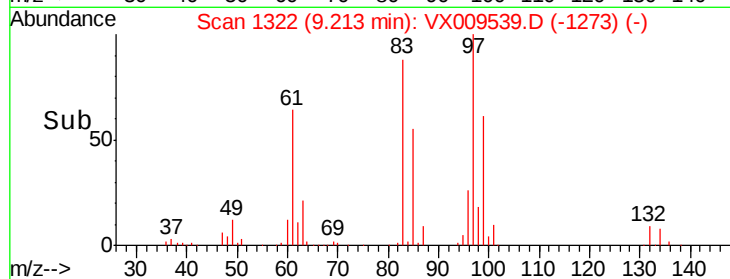
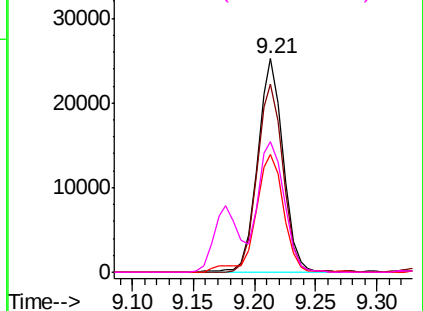
#55
 1,1,2-Trichloroethane
 Concen: 20.029 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Tot Ion:	97	Resp:	36808
Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.9	103.3
85	55.2	43.8	65.6
99	61.1	48.2	72.2

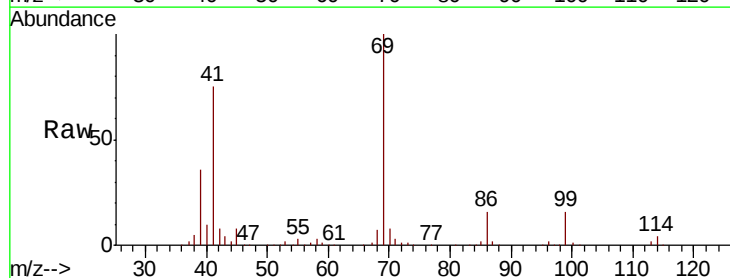


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

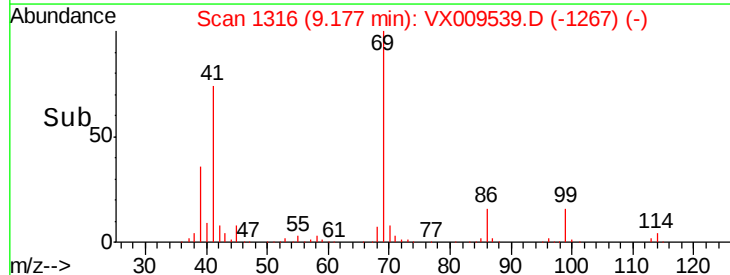
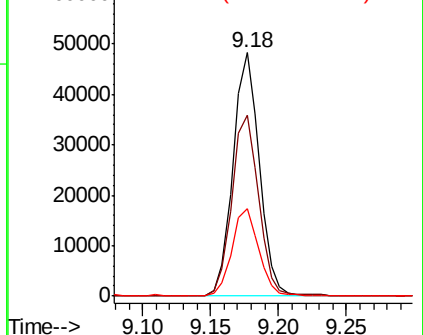


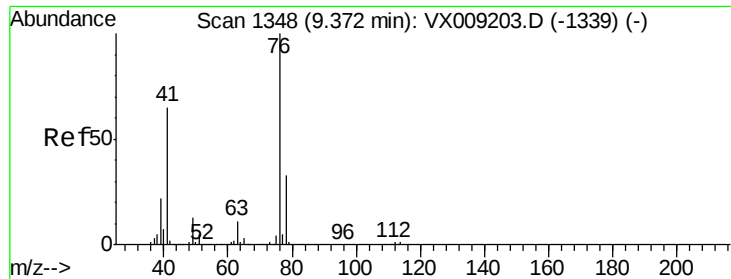
#56
 Ethyl methacrylate
 Concen: 19.924 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion:	69	Resp:	65359
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.6	90.8
39	37.3	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: 20.182 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

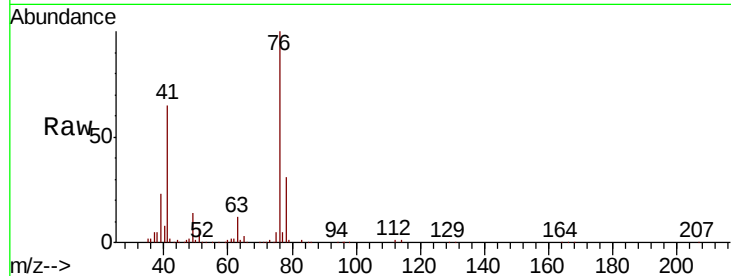
VX0513WBSD01

Tot Ion: 76 Resp: 65265

Ion Ratio Lower Upper

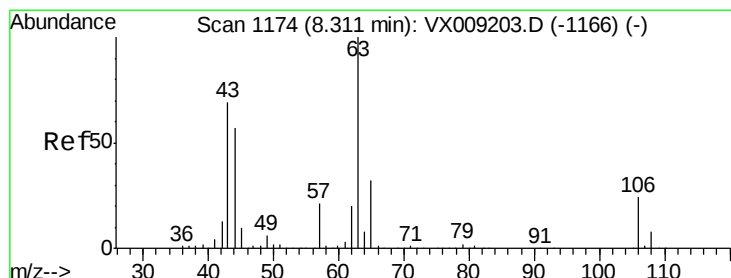
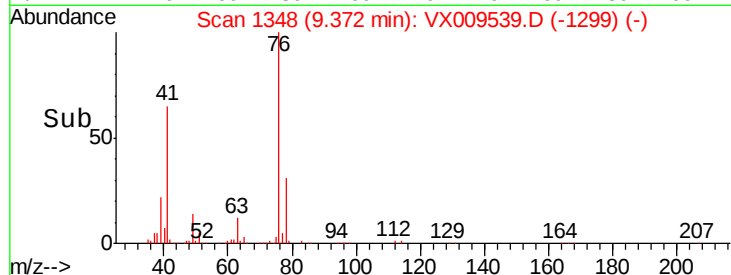
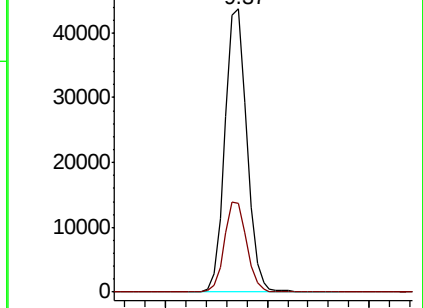
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 90.795 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009539.D

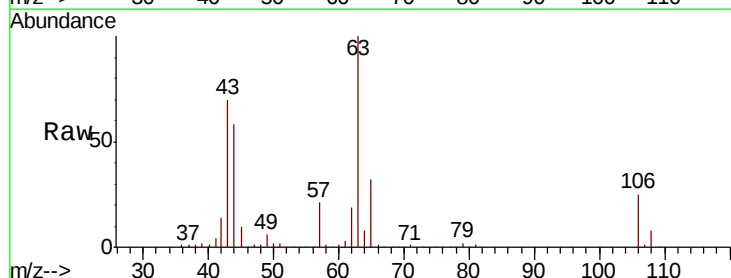
Acq: 13 May 2019 13:35

Tgt Ion: 63 Resp: 158005

Ion Ratio Lower Upper

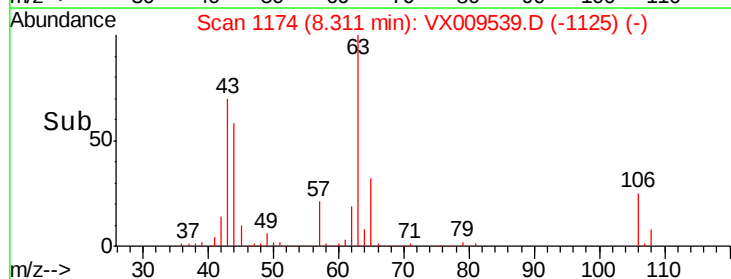
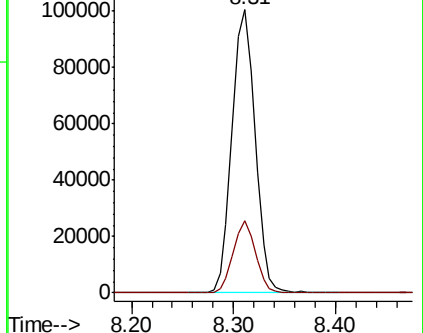
63 100

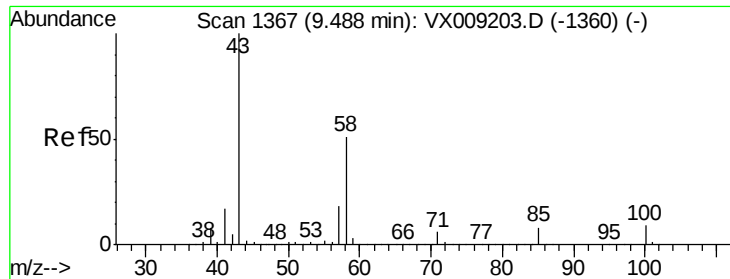
106 24.7 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

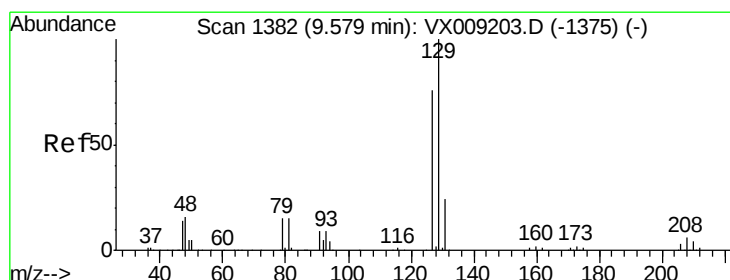
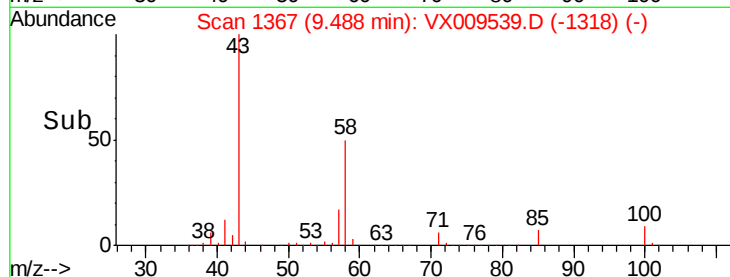
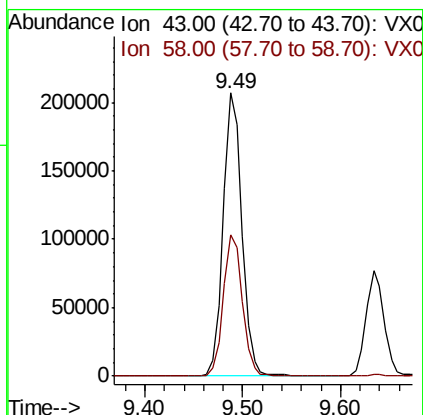
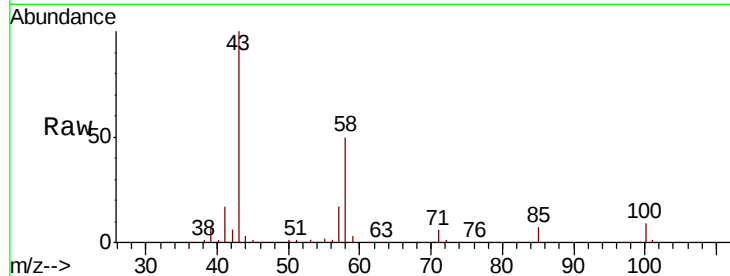




#59
2-Hexanone
Concen: 100.659 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

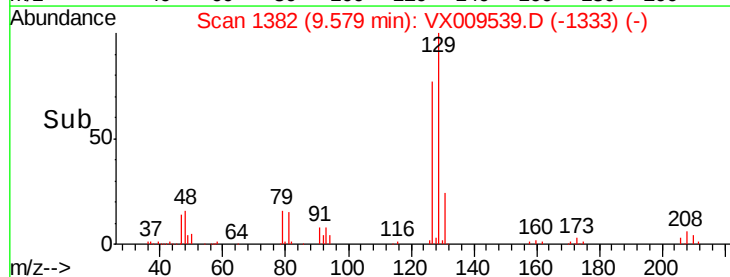
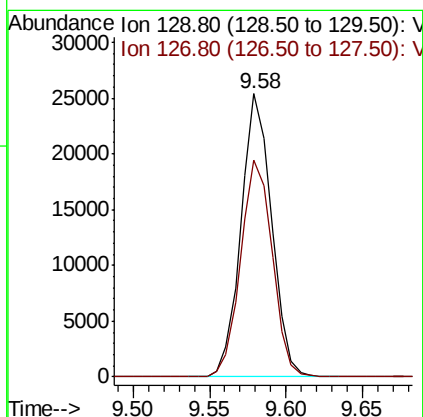
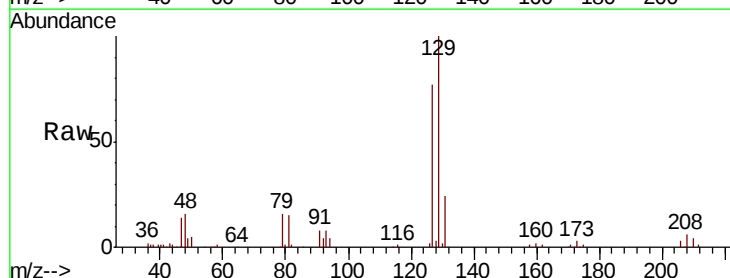
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

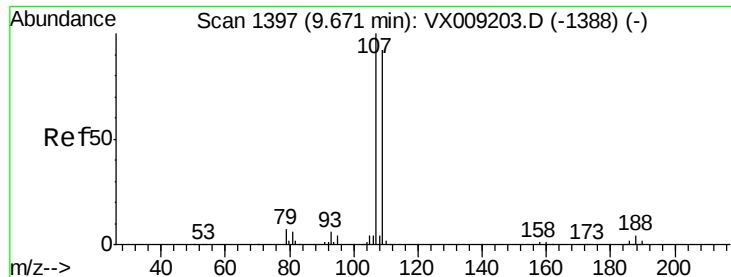
Tot Ion: 43 Resp: 275740
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#60
Dibromochloromethane
Concen: 19.665 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 129 Resp: 35296
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.458 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

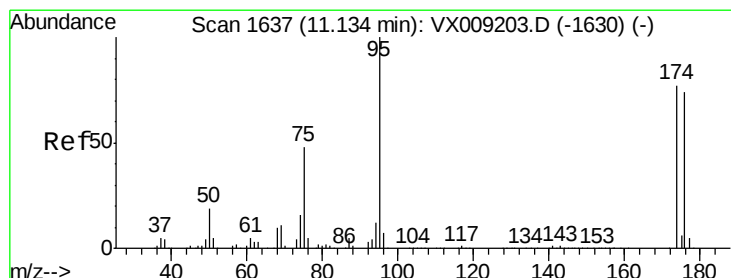
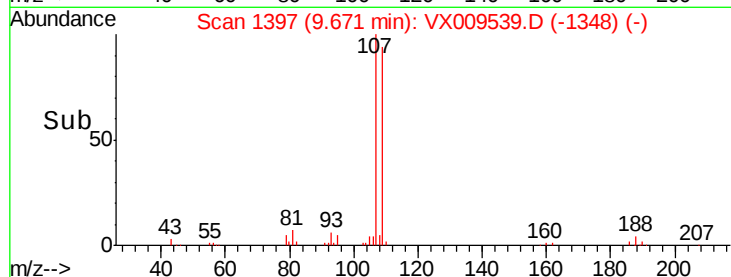
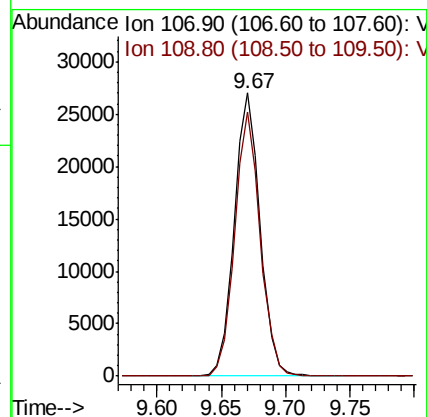
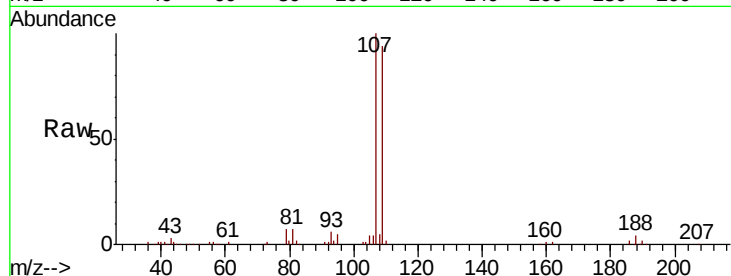
VX0513WBSD01

Tot Ion:107 Resp: 37950

Ion Ratio Lower Upper

107 100

109 91.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 46.979 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

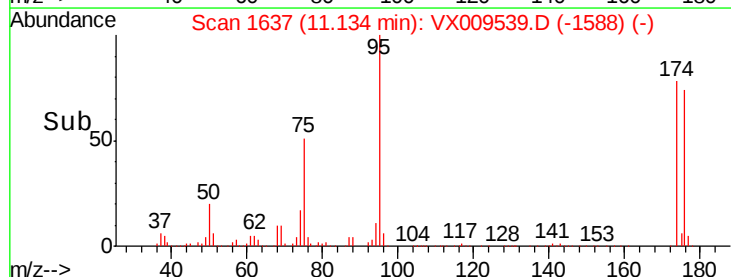
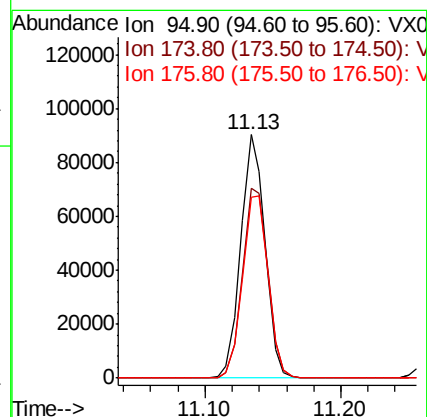
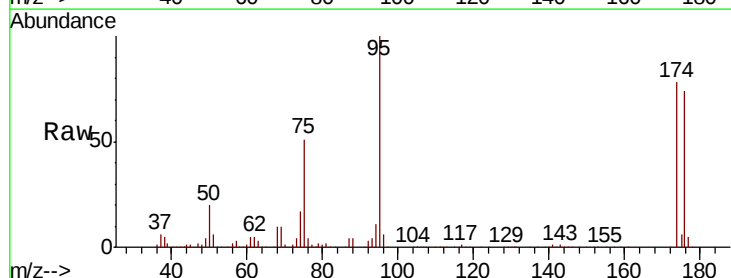
Tgt Ion: 95 Resp: 111626

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

176 79.6 0.0 159.2

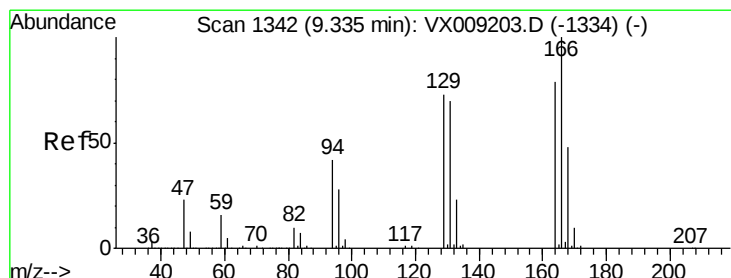
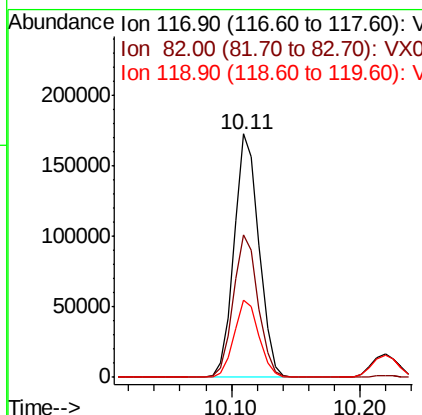
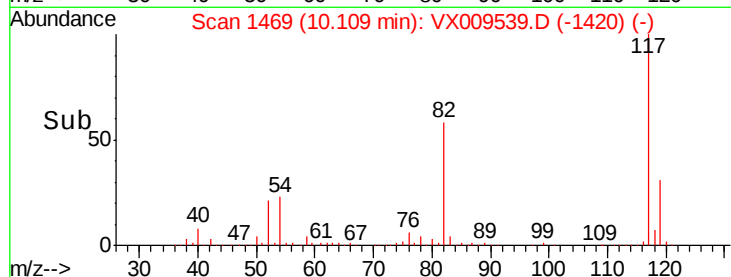
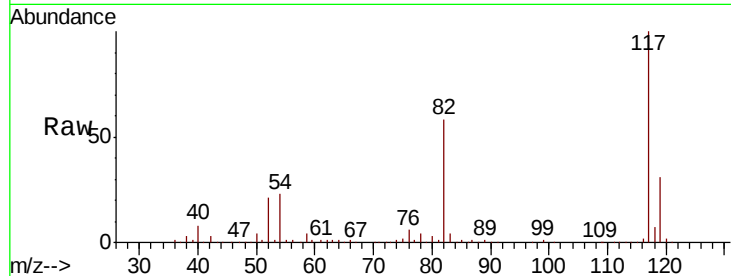




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

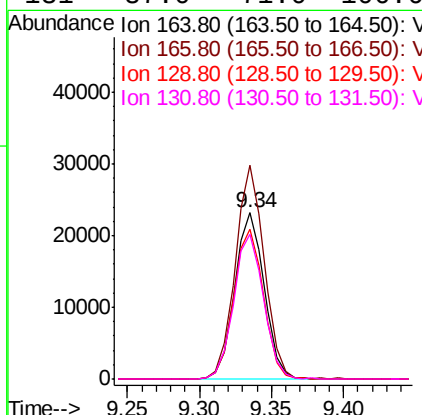
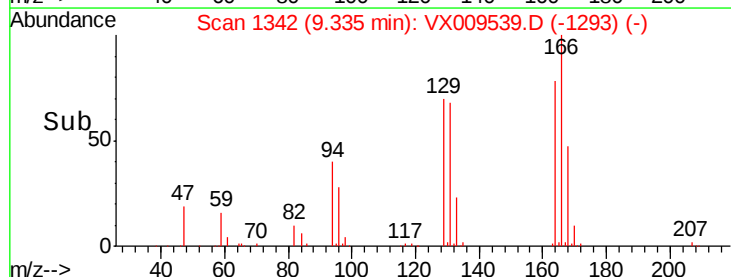
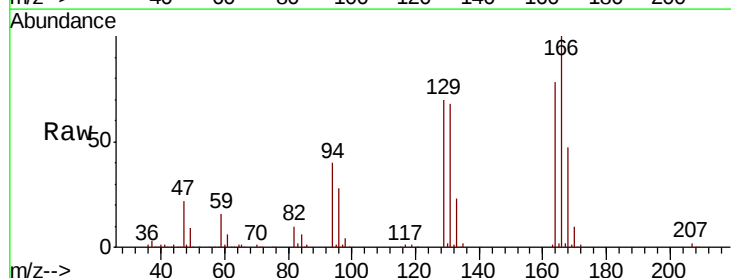
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

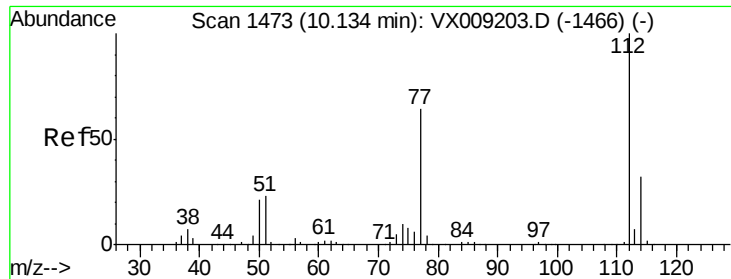
Tot Ion:117 Resp: 231815
Ion Ratio Lower Upper
117 100
82 58.5 48.8 73.2
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 20.848 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion:164 Resp: 33151
Ion Ratio Lower Upper
164 100
166 128.6 101.2 151.8
129 90.5 74.3 111.5
131 87.0 71.0 106.6

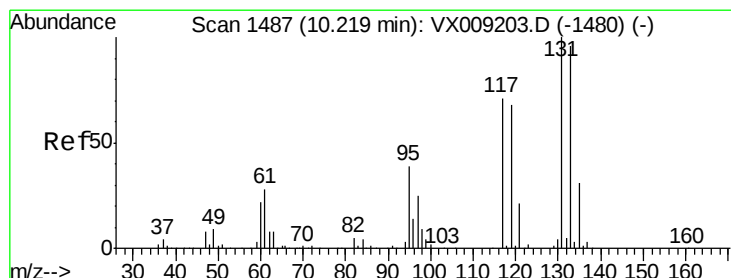
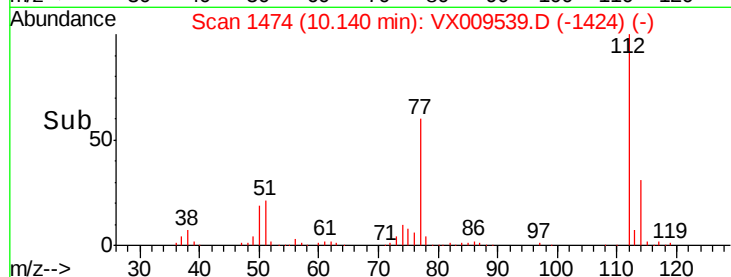
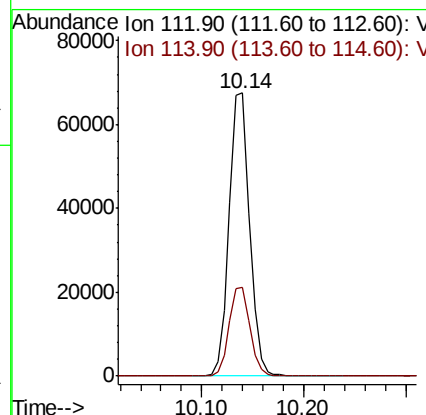
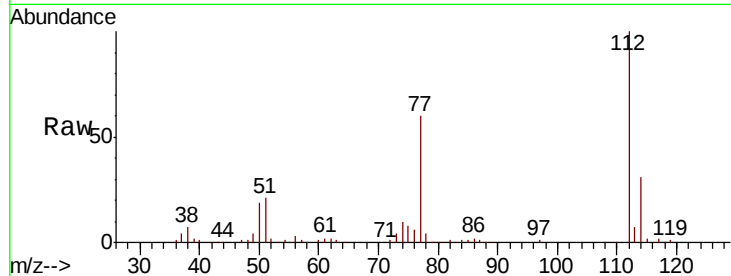




#65
Chlorobenzene
Concen: 20.281 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

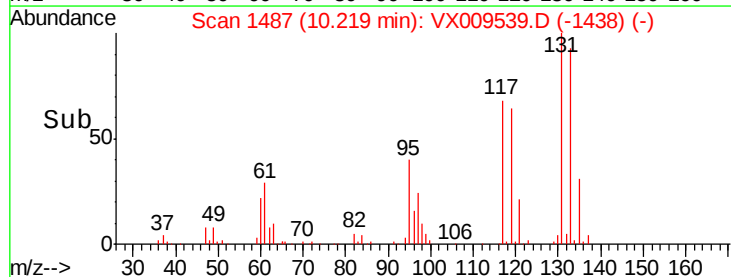
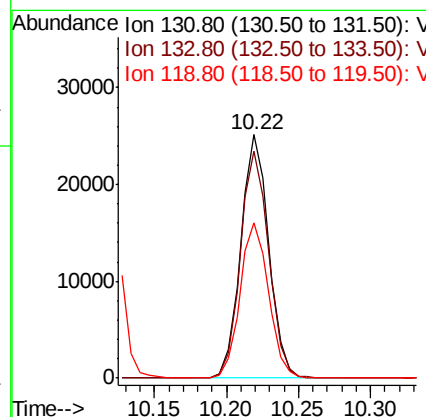
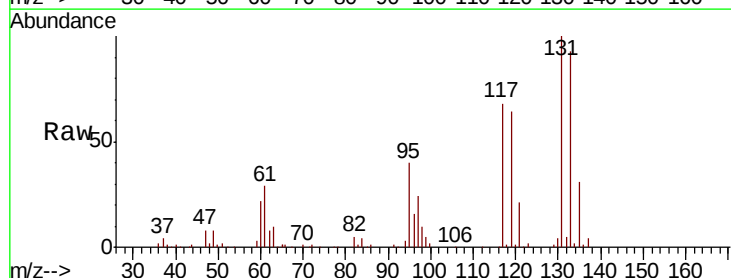
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

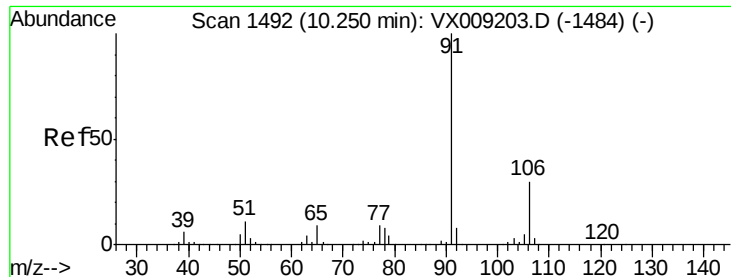
Tot Ion:112 Resp: 94051
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.163 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion:131 Resp: 33899
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 65.5 33.5 100.4

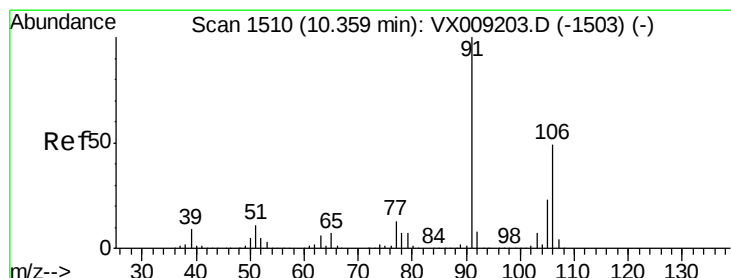
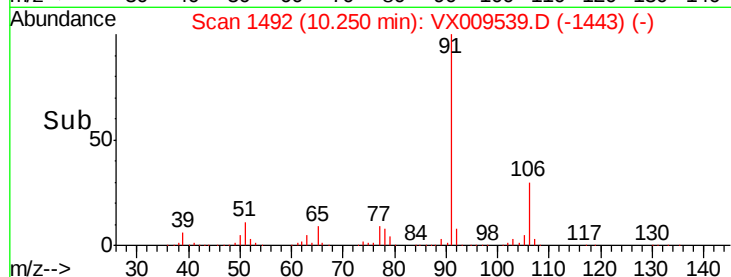
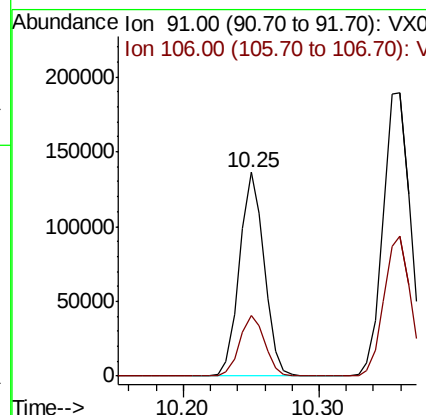
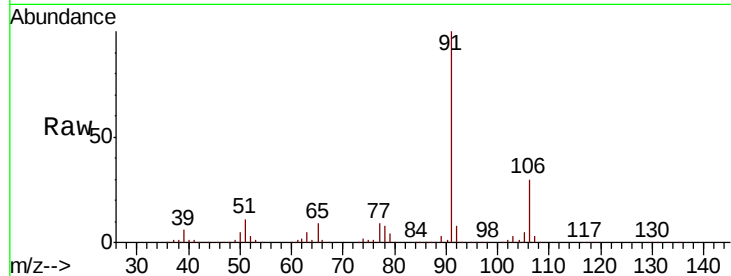




#67
Ethyl Benzene
Concen: 20.226 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

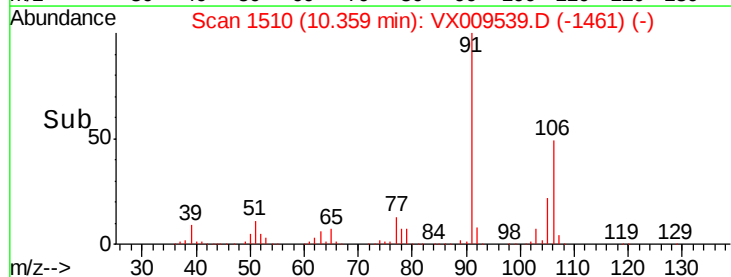
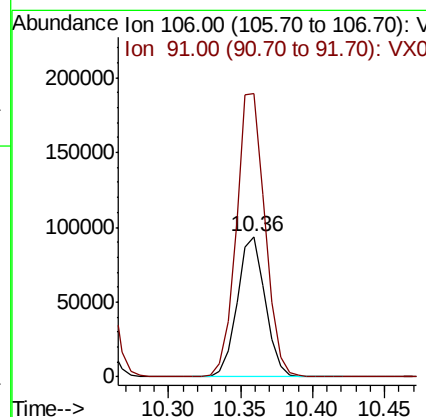
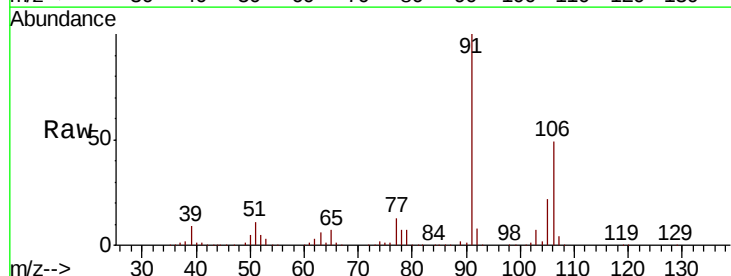
Instrument :
MSVOA_X
ClientSampled :
VX0513WBSD01

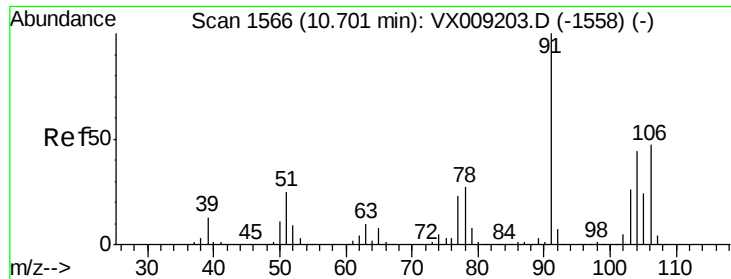
Tot Ion: 91 Resp: 172620
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0



#68
m/p-Xylenes
Concen: 40.866 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 106 Resp: 127453
Ion Ratio Lower Upper
106 100
91 207.2 164.0 246.0

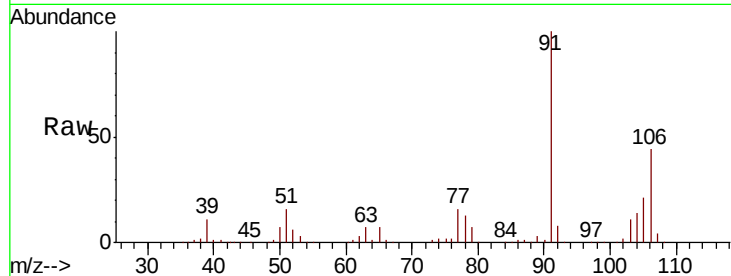




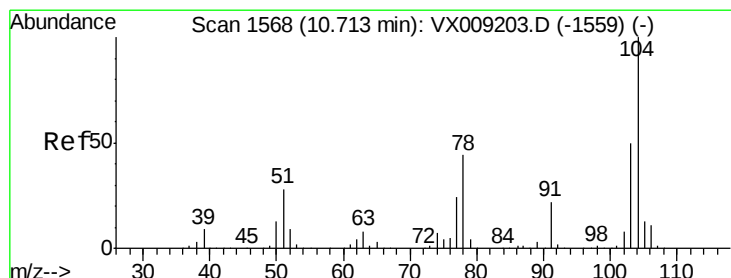
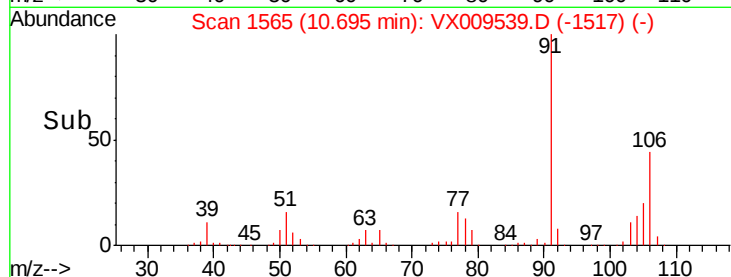
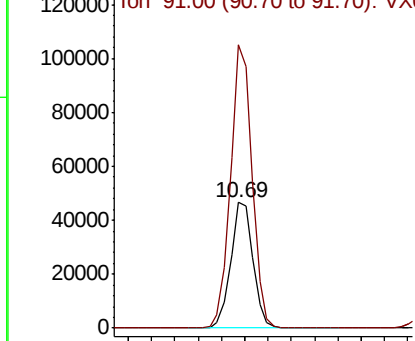
#69
o-Xylene
Concen: 20.211 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion:106 Resp: 62191
Ion Ratio Lower Upper
106 100
91 217.8 109.5 328.4

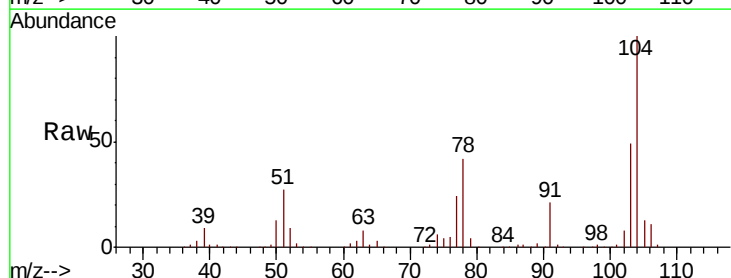


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

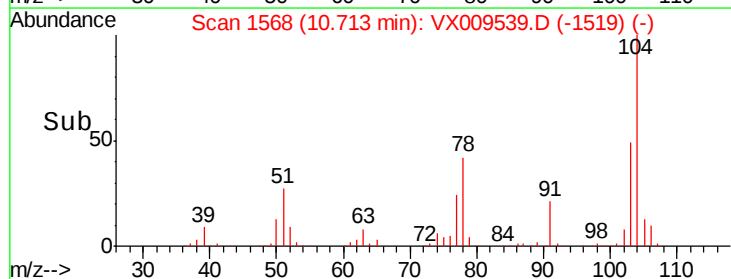
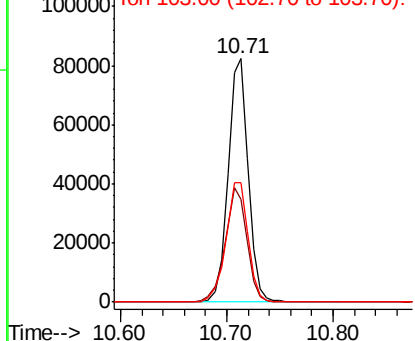


#70
Styrene
Concen: 20.257 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion:104 Resp: 108341
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 54.6 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.535 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

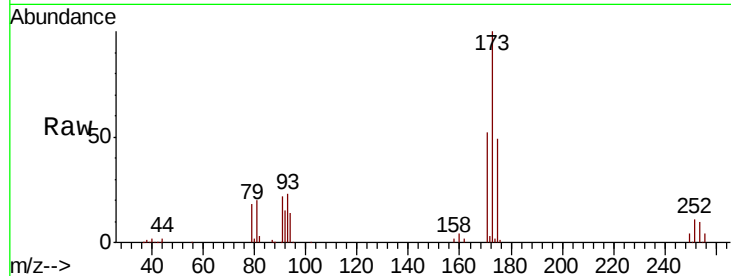
Tot Ion:173 Resp: 26690

Ion Ratio Lower Upper

173 100

175 49.3 24.5 73.5

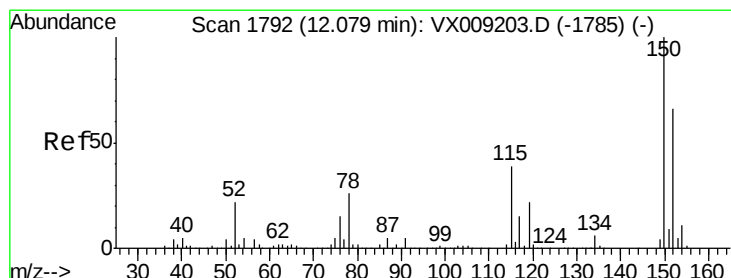
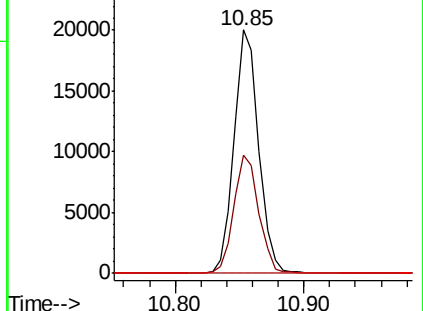
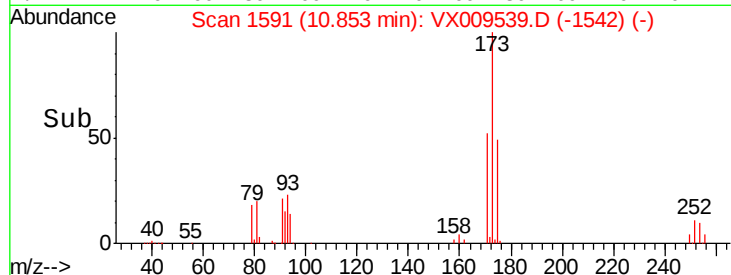
254 0.2 0.1 0.1#



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: VX009539.D

Acq: 13 May 2019 13:35

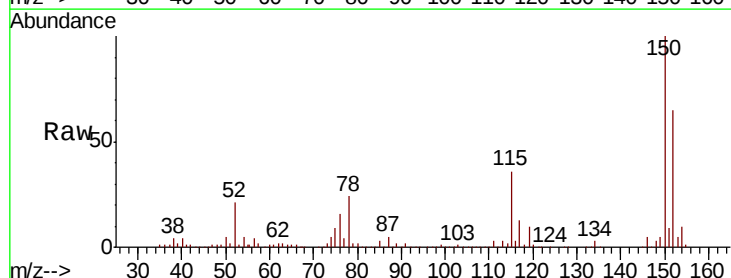
Tgt Ion:152 Resp: 112134

Ion Ratio Lower Upper

152 100

115 67.6 41.2 123.6

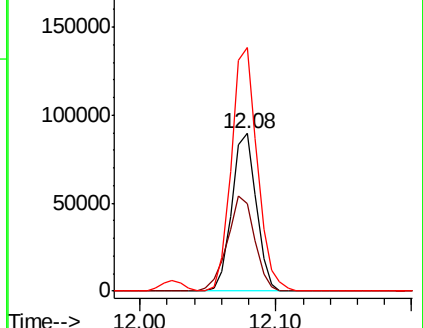
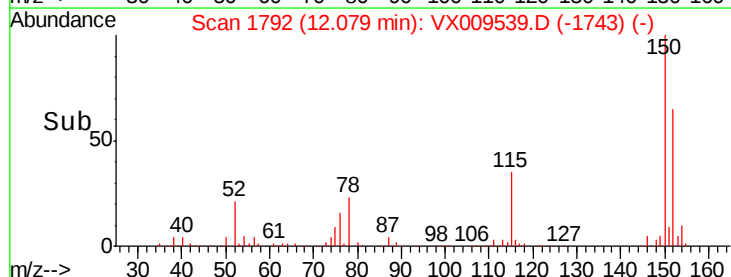
150 163.2 0.0 346.4

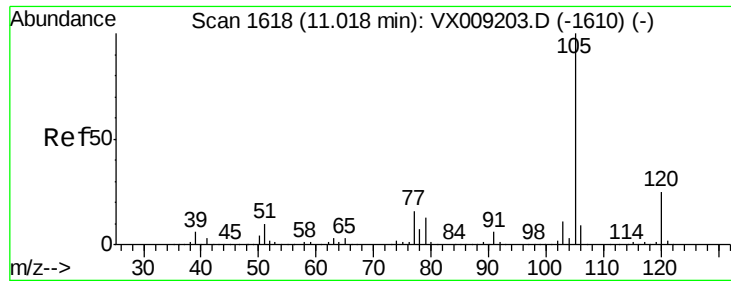


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.535 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

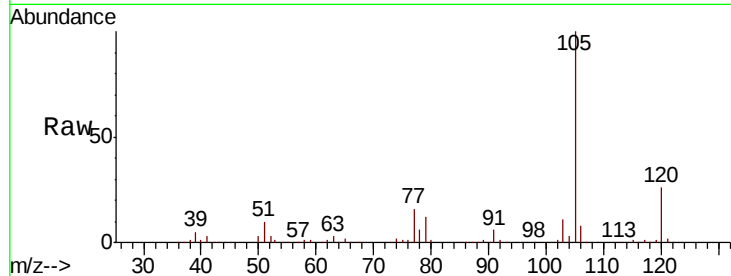
VX0513WBSD01

Tot Ion:105 Resp: 167447

Ion Ratio Lower Upper

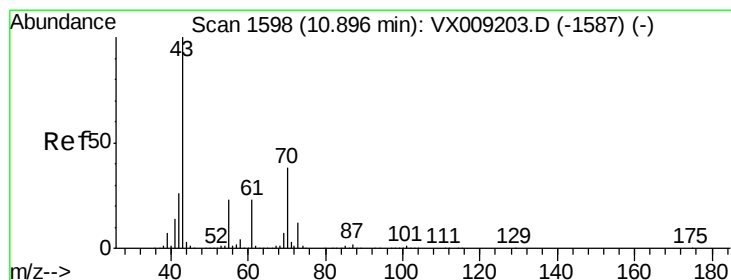
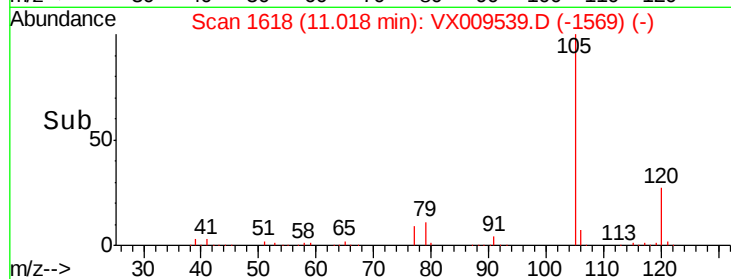
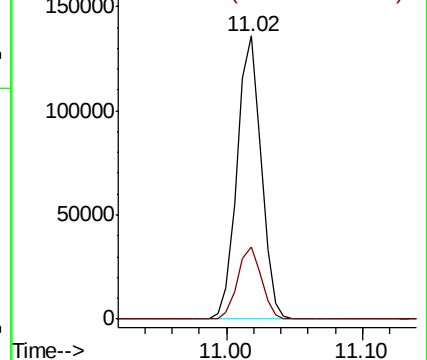
105 100

120 25.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.812 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Tgt Ion: 43 Resp: 94188

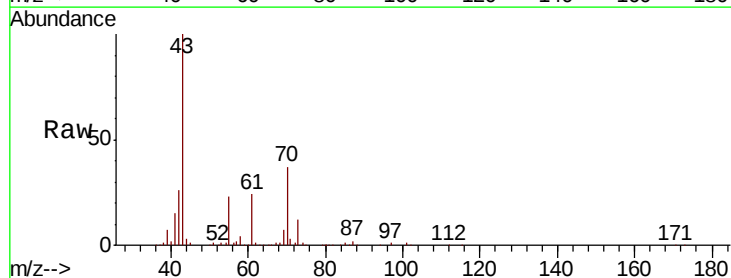
Ion Ratio Lower Upper

43 100

70 37.7 30.0 45.0

55 23.4 17.9 26.9

61 23.0 18.4 27.6

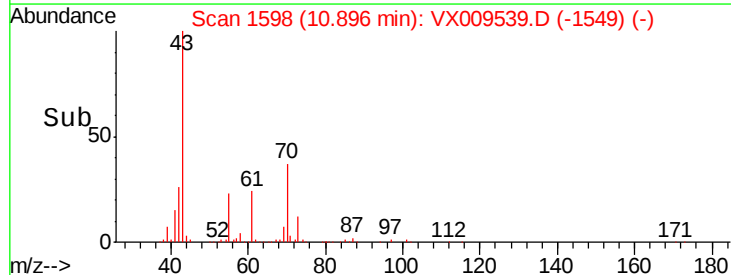
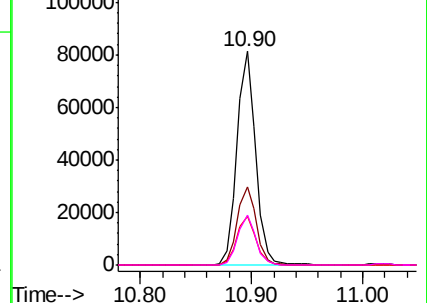


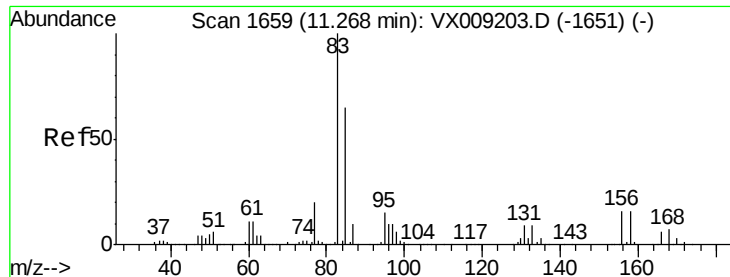
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.900 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

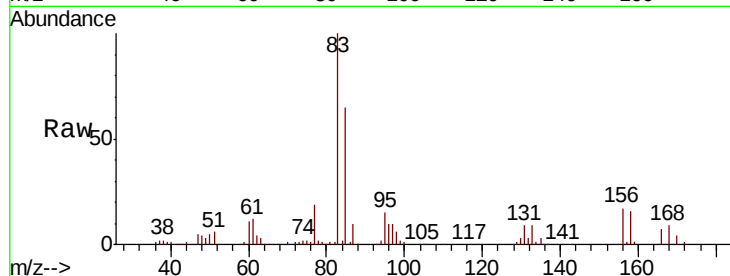
Tot Ion: 83 Resp: 60493

Ion Ratio Lower Upper

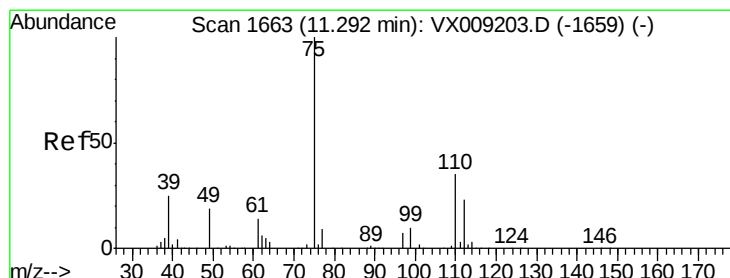
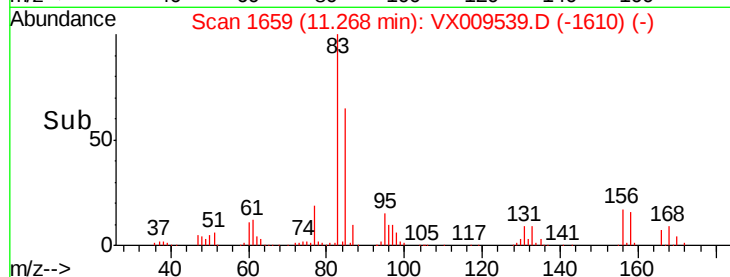
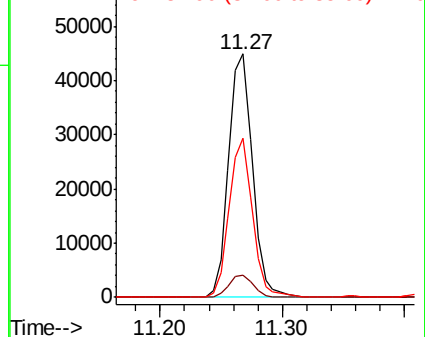
83 100

131 9.3 4.6 13.8

85 63.9 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: 26.629 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009539.D

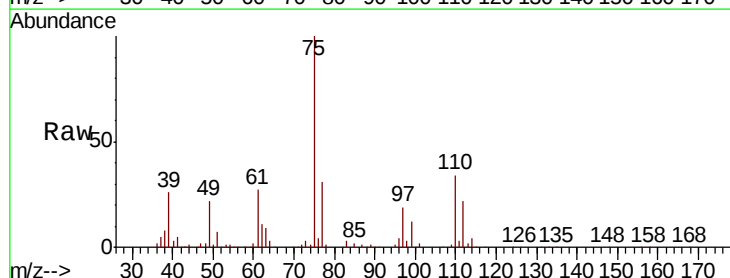
Acq: 13 May 2019 13:35

Tgt Ion: 75 Resp: 69266

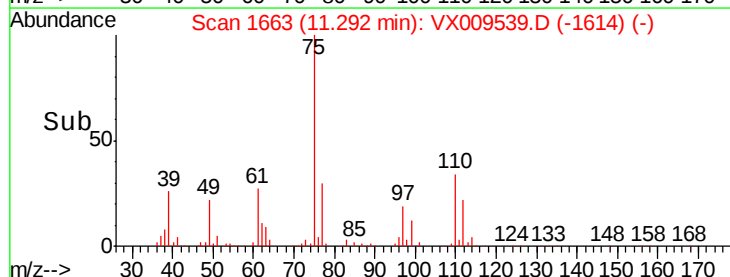
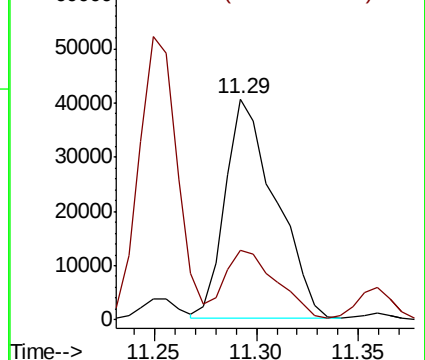
Ion Ratio Lower Upper

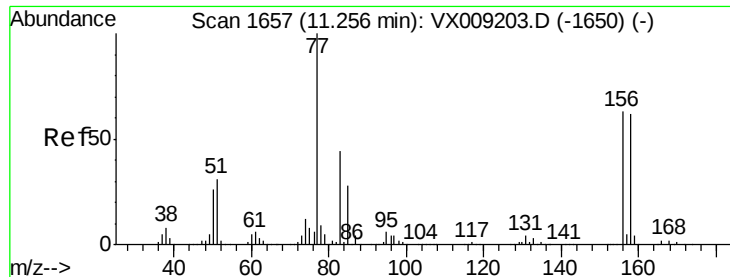
75 100

77 33.1 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: 20.304 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

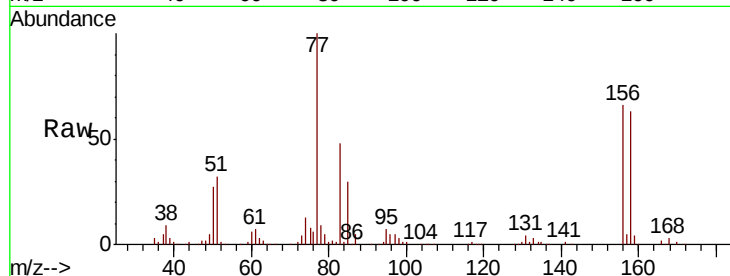
Tot Ion:156 Resp: 41093

Ion Ratio Lower Upper

156 100

77 166.0 84.8 254.3

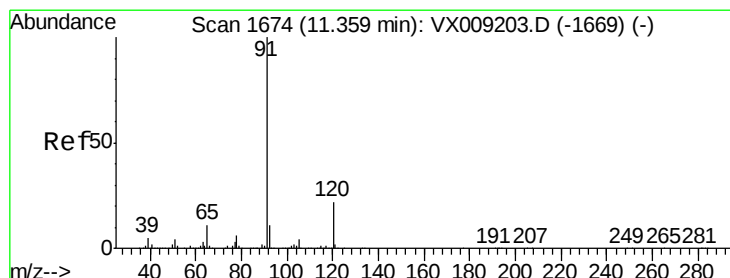
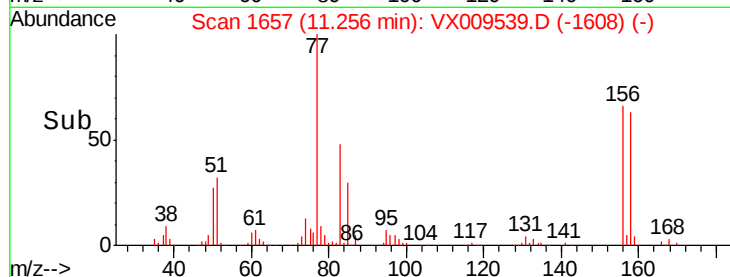
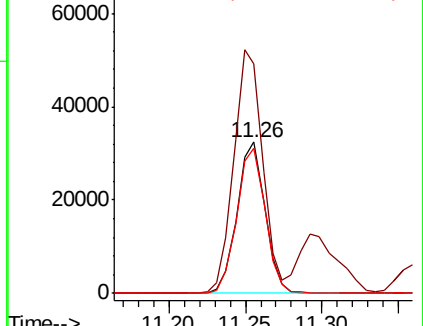
158 97.4 49.1 147.3



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: 20.450 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009539.D

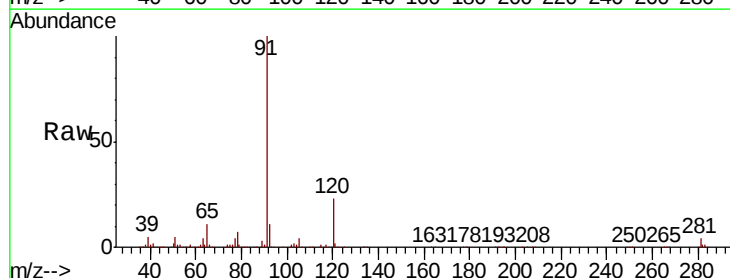
Acq: 13 May 2019 13:35

Tgt Ion: 91 Resp: 190438

Ion Ratio Lower Upper

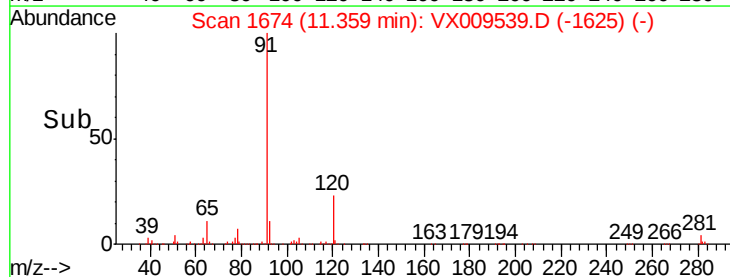
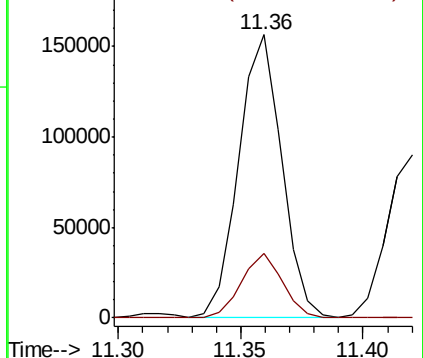
91 100

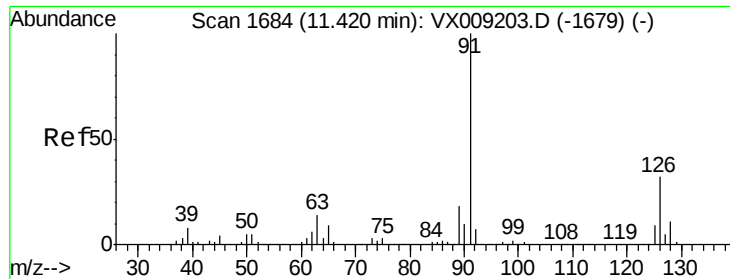
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

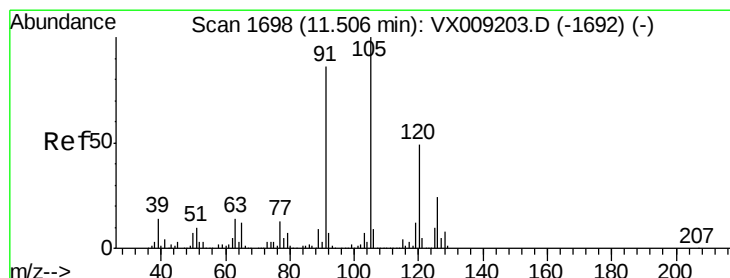
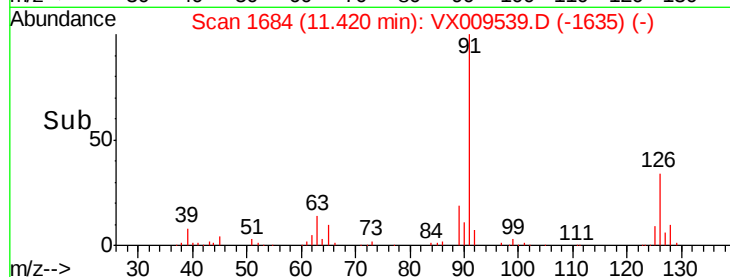
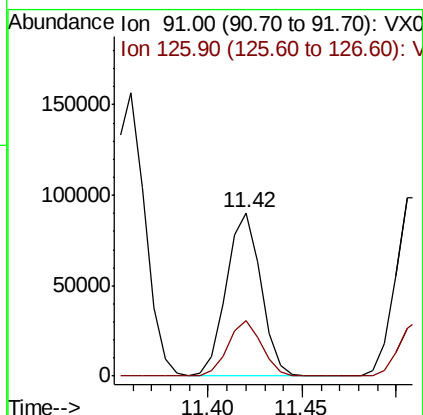
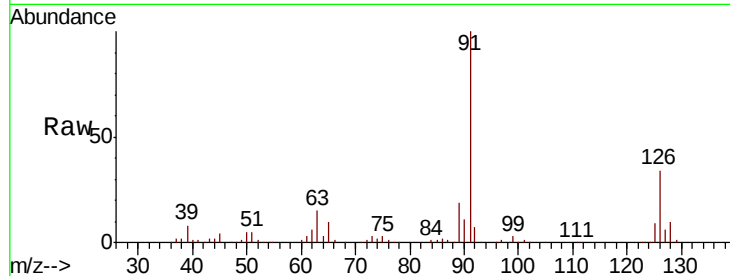




#79
 2-Chlorotoluene
 Concen: 19.918 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

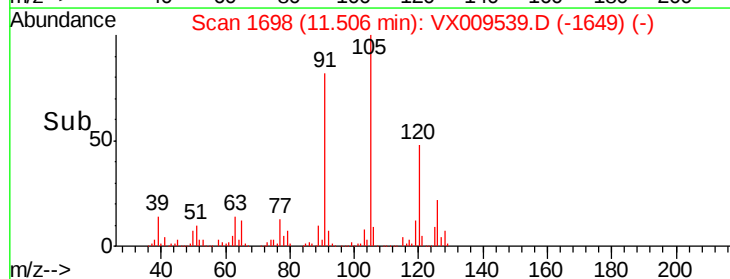
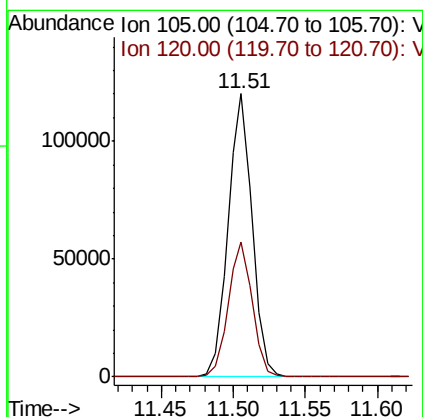
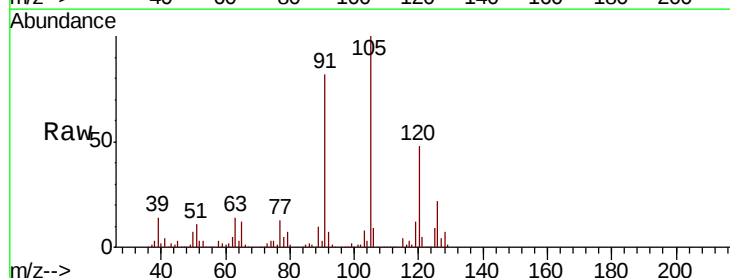
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

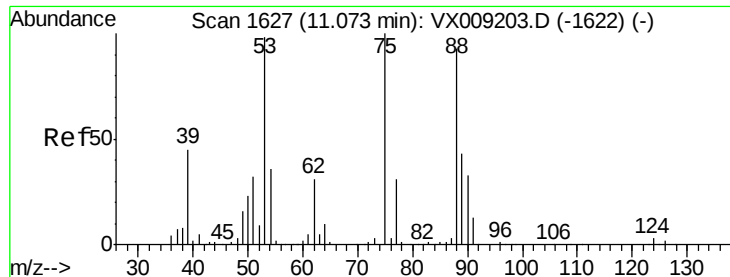
Tot Ion: 91 Resp: 114438
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.551 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion: 105 Resp: 141103
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.159 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

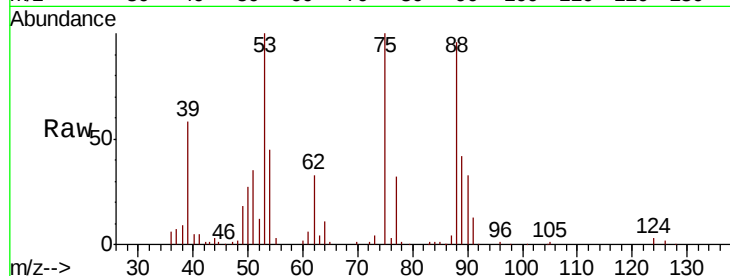
Tot Ion: 75 Resp: 19477

Ion Ratio Lower Upper

75 100

53 103.9 79.0 118.6

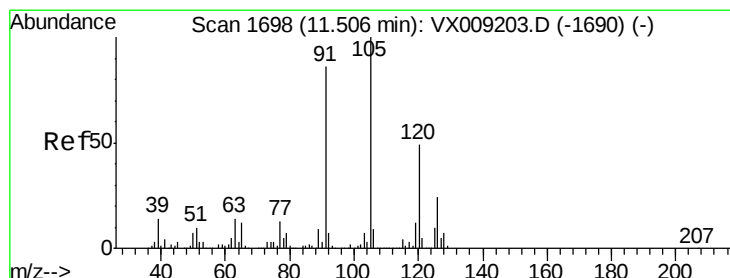
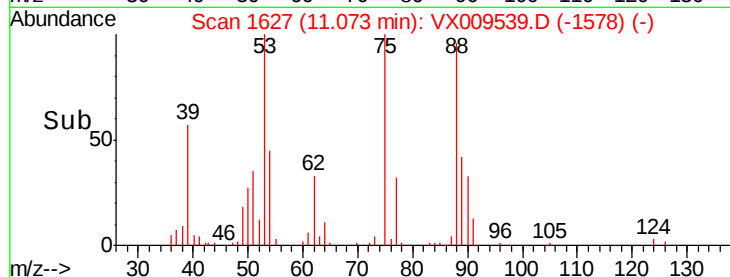
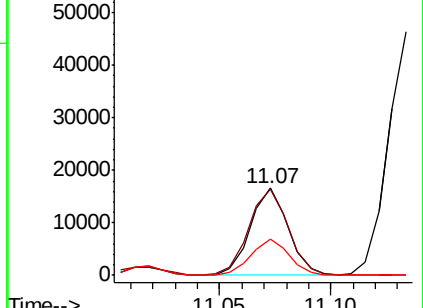
89 43.1 34.7 52.1



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: 20.115 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009539.D

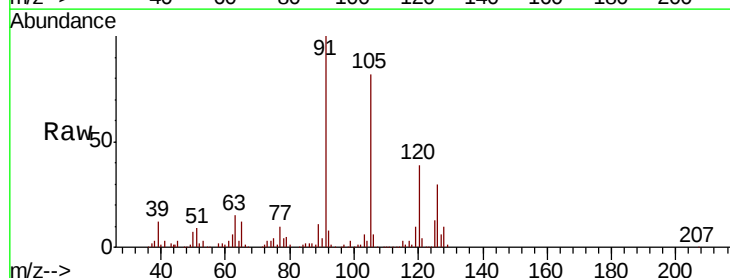
Acq: 13 May 2019 13:35

Tgt Ion: 91 Resp: 130560

Ion Ratio Lower Upper

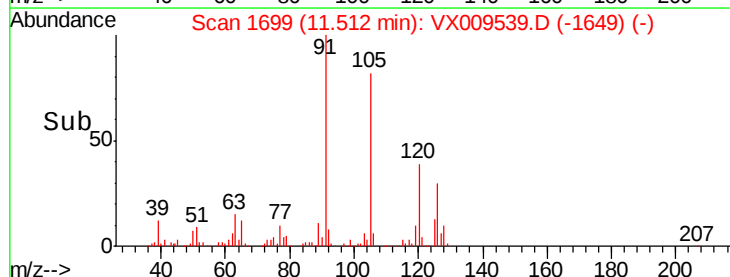
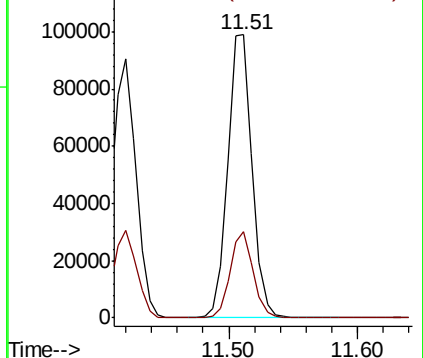
91 100

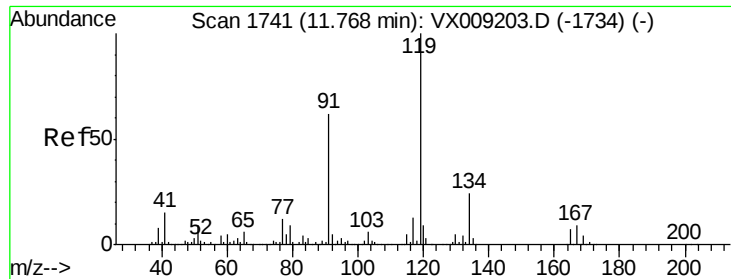
126 29.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

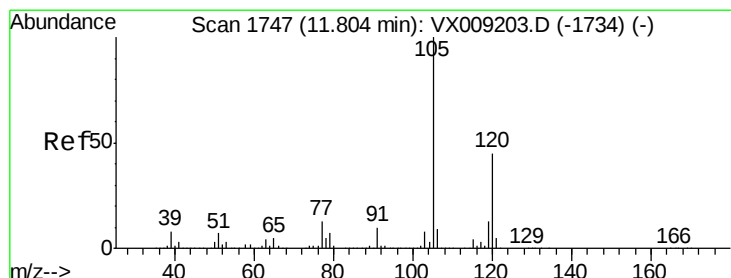
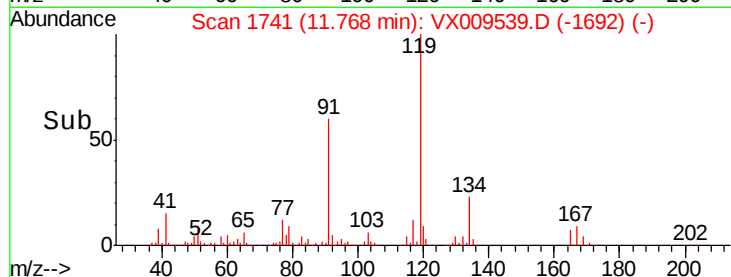
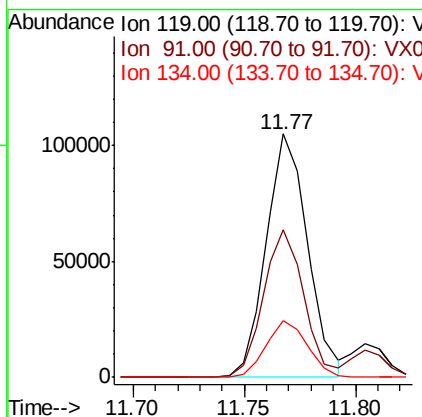
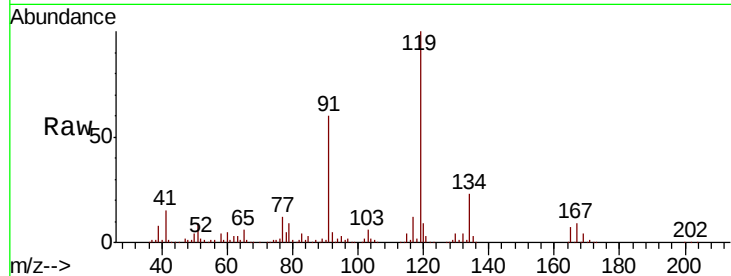




#83
 tert-Butylbenzene
 Concen: 20.339 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

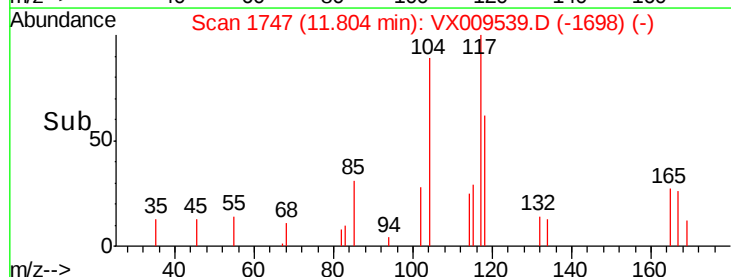
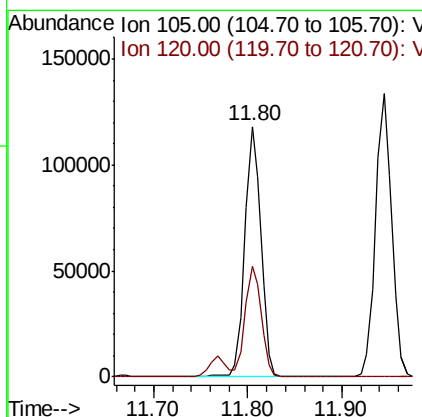
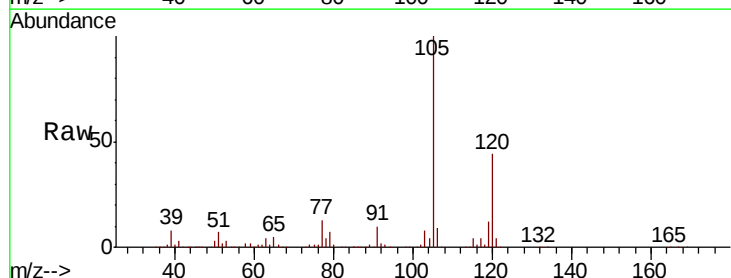
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0513WBSD01

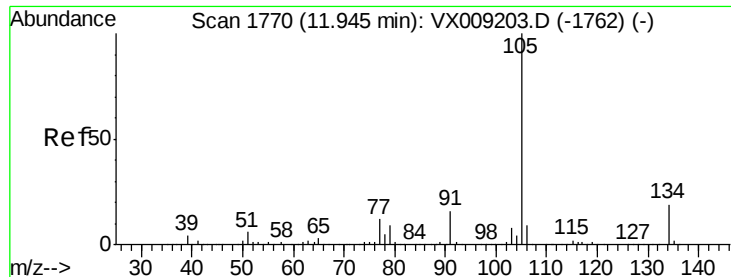
Tot Ion:119 Resp: 135848
 Ion Ratio Lower Upper
 119 100
 91 59.1 29.5 88.5
 134 23.1 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.466 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion:105 Resp: 141044
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.107 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

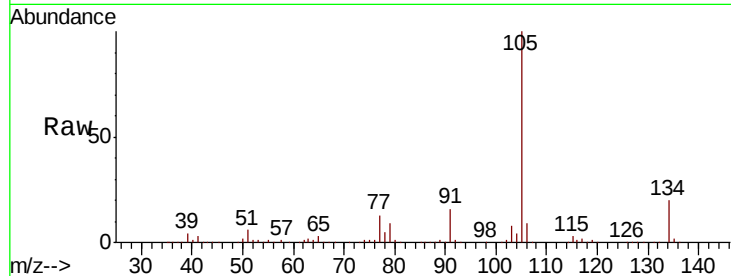
VX0513WBSD01

Tot Ion:105 Resp: 159221

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

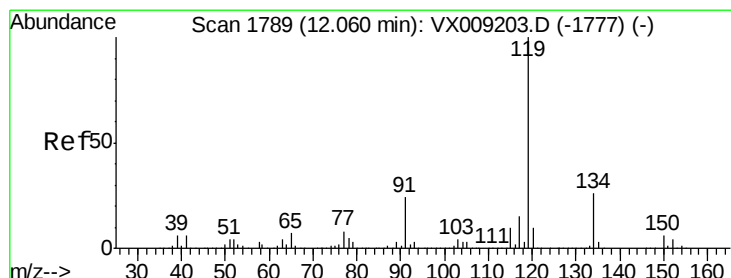
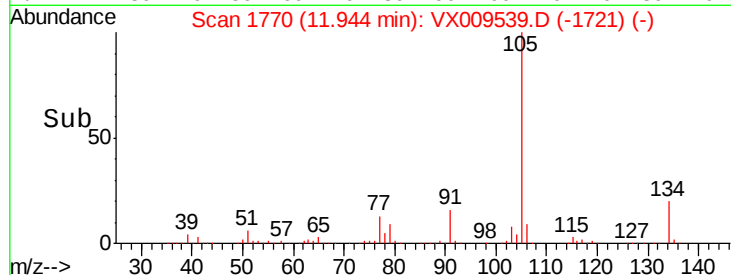
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.317 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

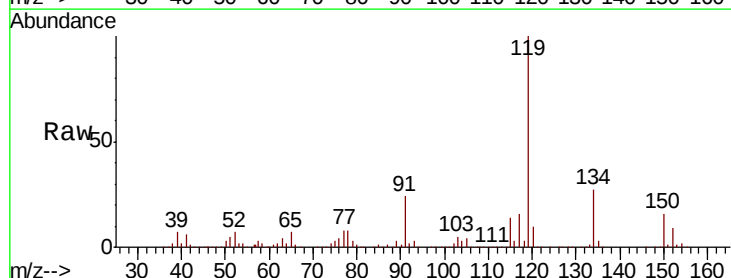
Tgt Ion:119 Resp: 144633

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.1 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

12.06

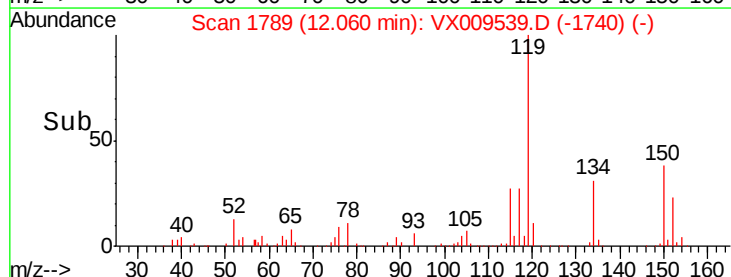
150000

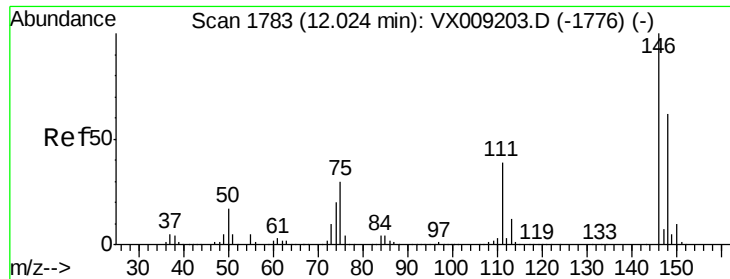
100000

50000

0

Time-->

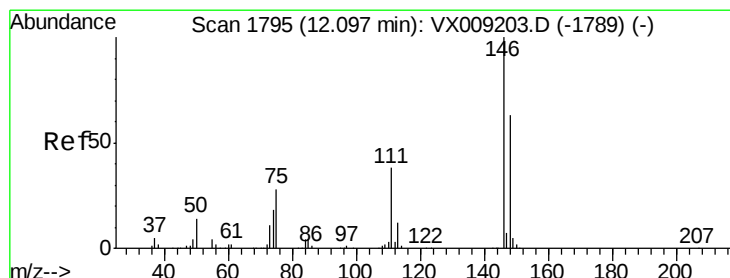
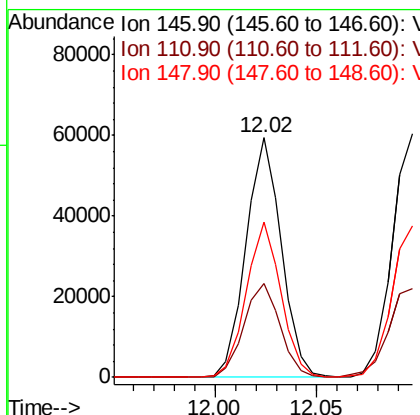
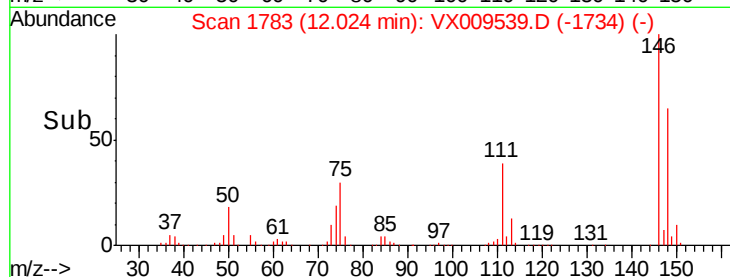
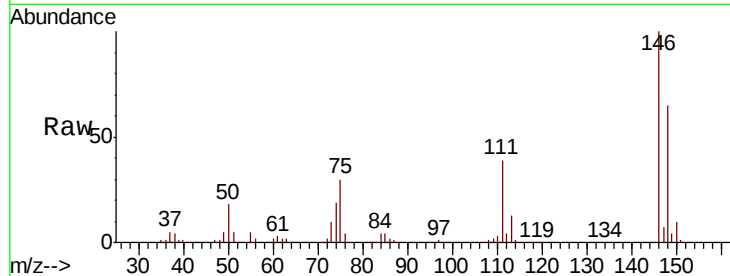




#87
 1,3-Dichlorobenzene
 Concen: 19.837 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

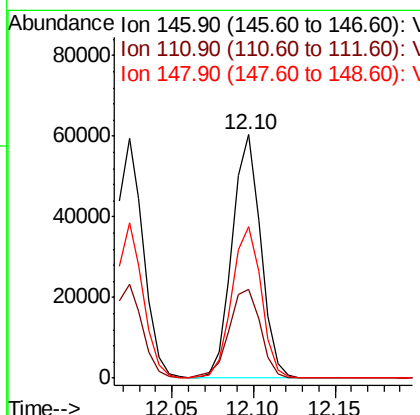
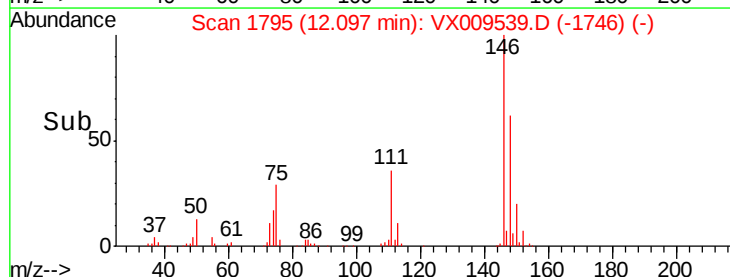
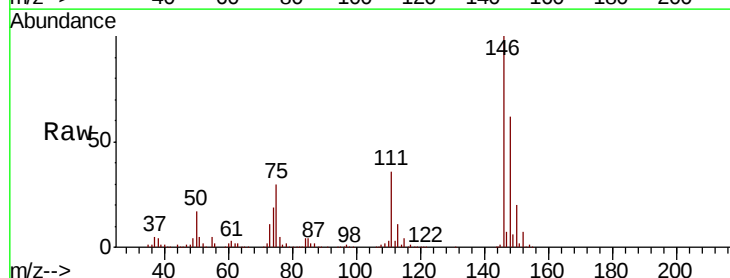
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Tot Ion:146 Resp: 71571
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.173 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion:146 Resp: 73381
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.6 58.8
 148 64.6 31.8 95.3

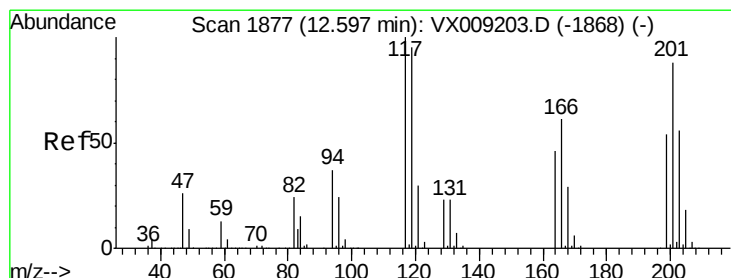
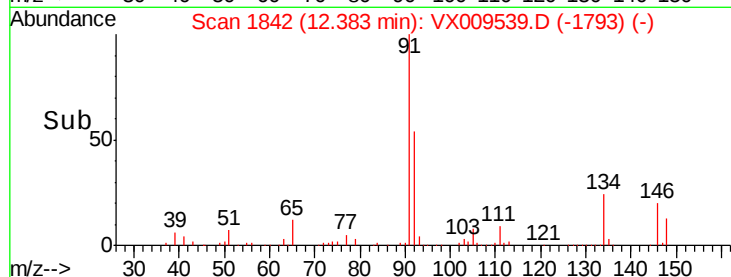
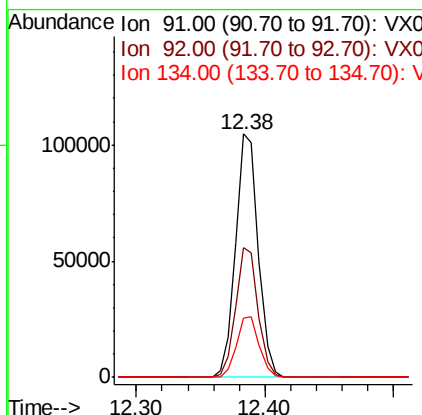
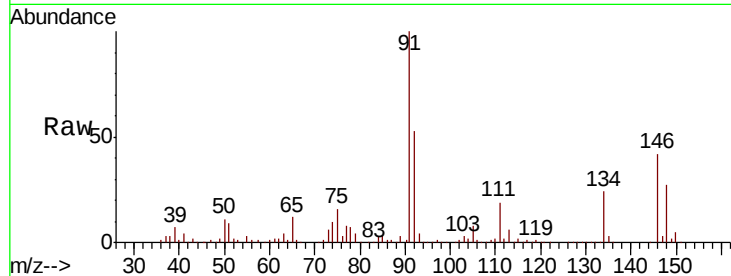




#89
n-Butylbenzene
Concen: 19.928 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

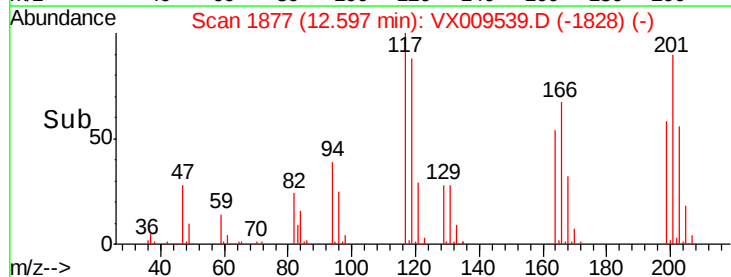
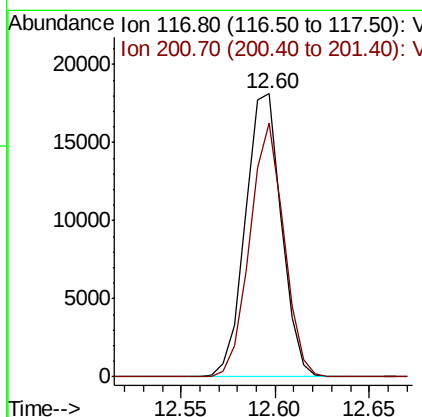
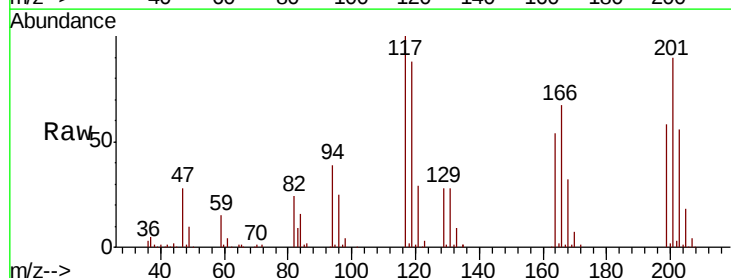
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion: 91 Resp: 128219
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 25.0 12.4 37.2



#90
Hexachloroethane
Concen: 19.821 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion: 117 Resp: 24039
Ion Ratio Lower Upper
117 100
201 84.6 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 19.911 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

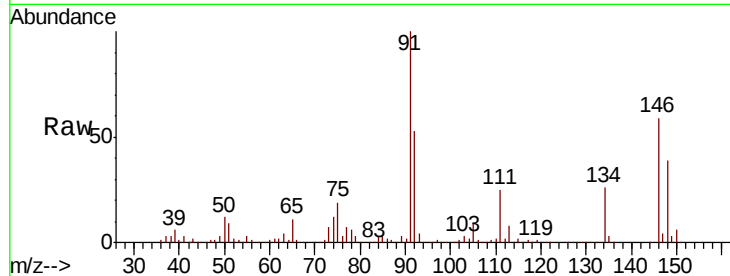
Tot Ion:146 Resp: 73172

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.4

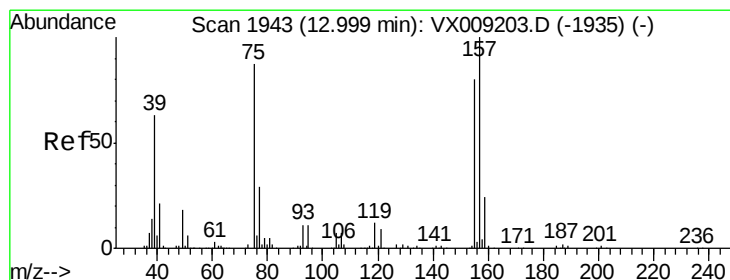
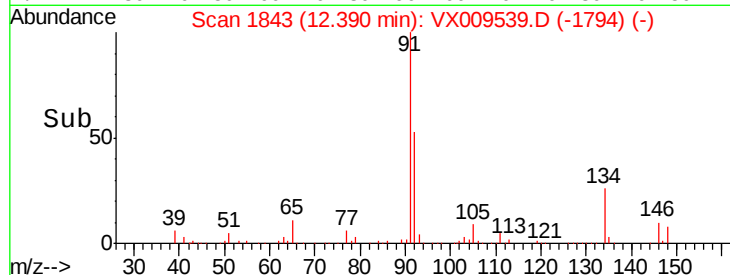
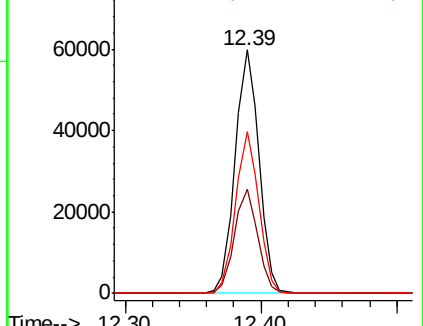
148 64.3 31.9 95.9



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: 20.160 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009539.D

Acq: 13 May 2019 13:35

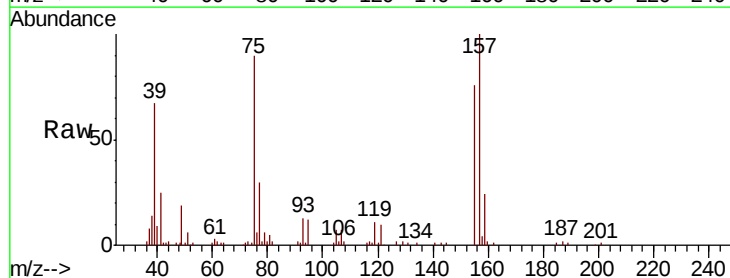
Tgt Ion: 75 Resp: 13747

Ion Ratio Lower Upper

75 100

155 84.8 42.0 126.0

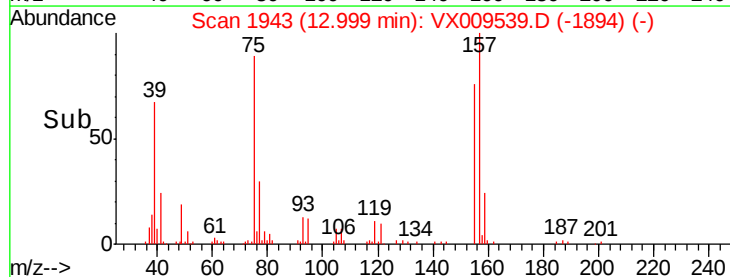
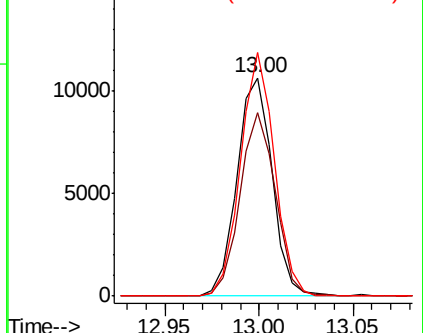
157 107.7 53.2 159.6



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

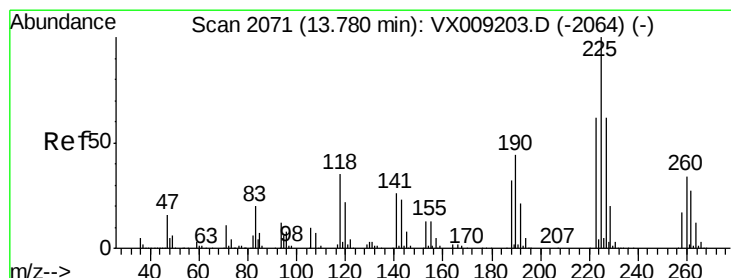
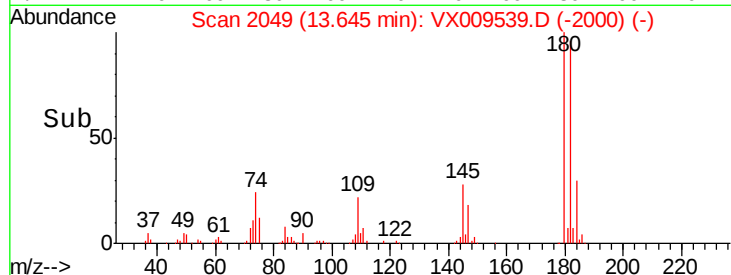
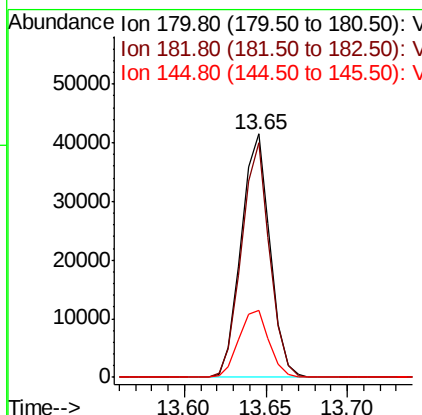
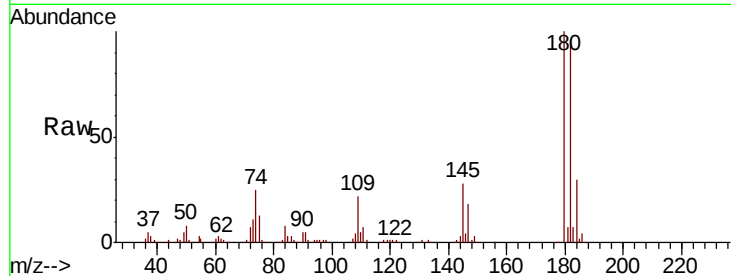




#93
 1,2,4-Trichlorobenzene
 Concen: 20.326 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

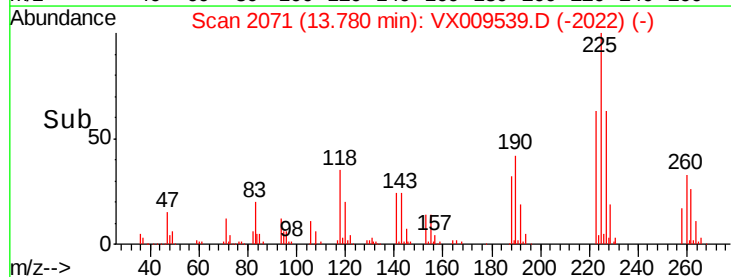
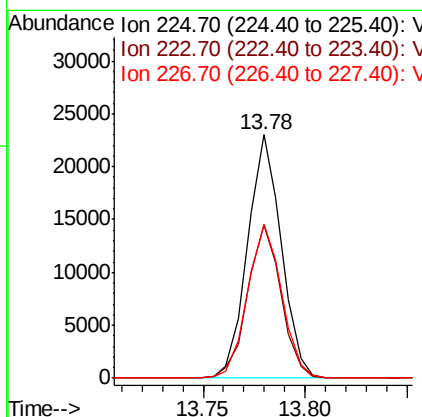
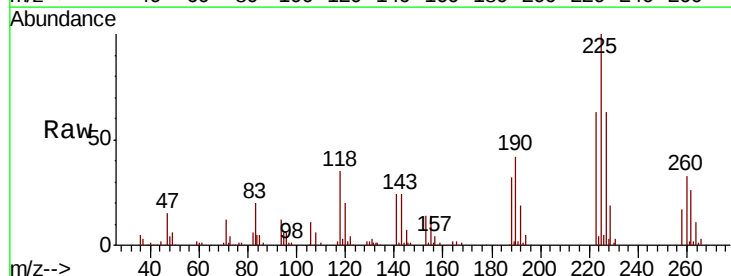
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0513WBSD01

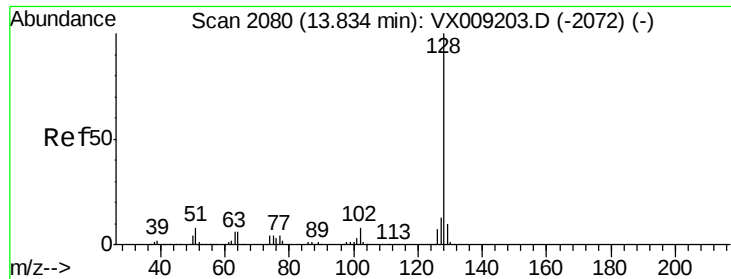
Tot Ion:180 Resp: 51079
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.4 145.2
 145 28.9 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 20.587 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009539.D
 Acq: 13 May 2019 13:35

Tgt Ion:225 Resp: 26420
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 64.1 31.8 95.3

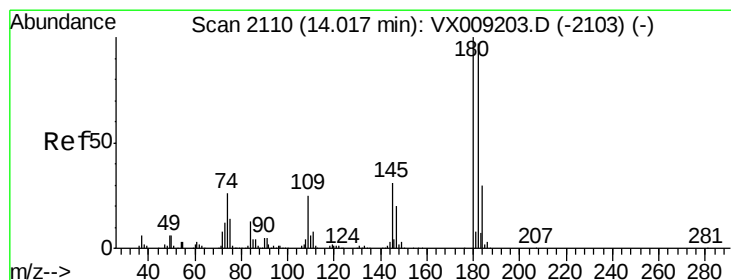
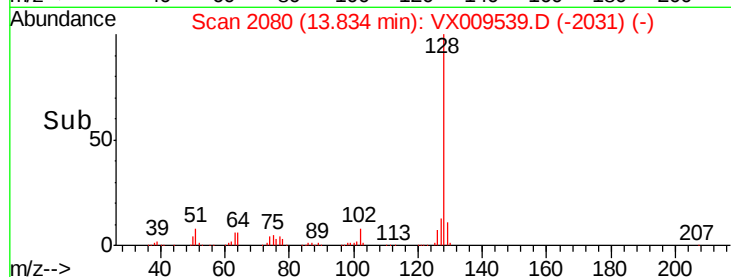
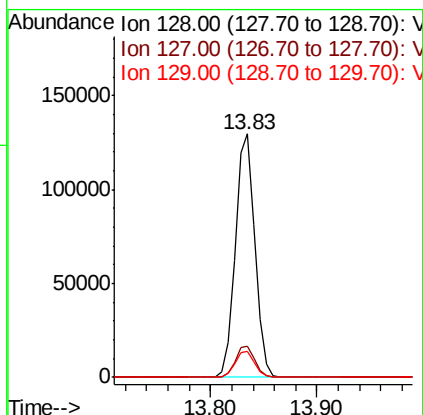
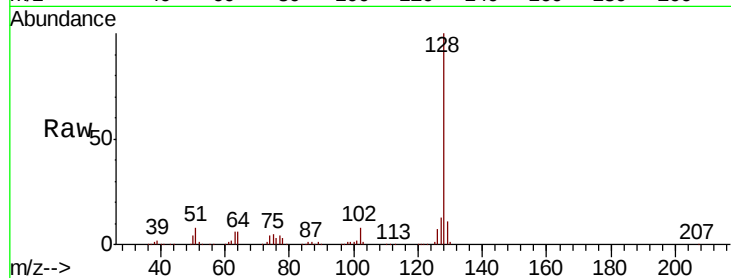




#95
Naphthalene
Concen: 20.362 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tot Ion:128 Resp: 166475
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.732 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009539.D
Acq: 13 May 2019 13:35

Tgt Ion:180 Resp: 52811
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.4
145 30.3 15.4 46.4

