

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
 Data File : VX009731.D
 Acq On : 20 May 2019 17:13
 Operator : JC/SP
 Sample : VX0520WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Quant Time: May 21 07:42:05 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	5.67	168	149265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107326	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	96833	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.50	113	70293	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	8.71	98	278541	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
62) 4-Bromofluorobenzene	11.13	95	102470	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	23885	17.365	ug/l	98
3) Chloromethane	1.32	50	38115	20.296	ug/l	98
4) Vinyl Chloride	1.41	62	37752	20.616	ug/l	100
5) Bromomethane	1.64	94	22705	20.658	ug/l	99
6) Chloroethane	1.72	64	24058	20.463	ug/l	97
7) Trichlorofluoromethane	1.93	101	47614	21.391	ug/l	99
8) Diethyl Ether	2.19	74	23275	22.075	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29591	21.170	ug/l	99
10) Methyl Iodide	2.51	142	30576	21.691	ug/l	99
11) Tert butyl alcohol	3.05	59	57052	120.959	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29077	20.761	ug/l	96
13) Acrolein	2.29	56	38001	88.963	ug/l	99
14) Allyl chloride	2.73	41	72403	21.213	ug/l	99
15) Acrylonitrile	3.14	53	132932	115.267	ug/l	98
16) Acetone	2.45	43	119624	109.332	ug/l	99
17) Carbon Disulfide	2.57	76	72920	18.545	ug/l	99
18) Methyl Acetate	2.78	43	60607	23.292	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	121951	22.423	ug/l	100
20) Methylene Chloride	2.85	84	37392	21.107	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	31432	20.694	ug/l	98
22) Diisopropyl ether	3.85	45	148886	22.683	ug/l	91
23) Vinyl Acetate	3.82	43	656020	116.716	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70156	21.666	ug/l	98
25) 2-Butanone	4.67	43	201504	118.514	ug/l	96
26) 2,2-Dichloropropane	4.58	77	47874	19.863	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	39103	21.569	ug/l	100
28) Bromochloromethane	5.01	49	29850	21.329	ug/l	98
29) Tetrahydrofuran	5.13	42	131884	120.540	ug/l	99
30) Chloroform	5.21	83	64852	22.145	ug/l	95
31) Cyclohexane	5.58	56	61372	20.372	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	53946	22.128	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46245	20.819	ug/l	99
37) Ethyl Acetate	4.84	43	72598	23.457	ug/l	98
38) Carbon Tetrachloride	5.79	117	42790	21.202	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Quant Time: May 21 07:42:05 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	54750	20.070	ug/l	98
40) Benzene	6.14	78	148790	21.643	ug/l	100
41) Methacrylonitrile	5.04	41	41380	22.461	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56360	22.855	ug/l	100
43) Isopropyl Acetate	6.45	43	114359	23.100	ug/l	99
44) Trichloroethene	7.21	130	35533	21.380	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43869	22.536	ug/l	98
46) Dibromomethane	7.66	93	24489	21.664	ug/l	98
47) Bromodichloromethane	7.90	83	50358	22.333	ug/l	98
48) Methyl methacrylate	7.77	41	58246	23.715	ug/l	98
49) 1,4-Dioxane	7.74	88	23311	468.007	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	396153	122.429	ug/l	99
52) Toluene	8.79	92	90923	21.758	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54908	21.568	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61702	21.897	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	38968	22.857	ug/l	95
56) Ethyl methacrylate	9.18	69	69372	22.795	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67728	22.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	141270	87.503	ug/l	100
59) 2-Hexanone	9.49	43	306101	120.449	ug/l	98
60) Dibromochloromethane	9.58	129	37322	22.414	ug/l	98
61) 1,2-Dibromoethane	9.67	107	38697	22.486	ug/l	99
64) Tetrachloroethene	9.34	164	31813	21.168	ug/l	99
65) Chlorobenzene	10.14	112	96259	21.962	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	34623	21.789	ug/l	99
67) Ethyl Benzene	10.25	91	173809	21.548	ug/l	100
68) m/p-Xylenes	10.36	106	125596	42.609	ug/l	97
69) o-Xylene	10.69	106	62487	21.486	ug/l	100
70) Styrene	10.71	104	108976	21.559	ug/l	98
71) Bromoform	10.85	173	27401	21.220	ug/l #	98
73) Isopropylbenzene	11.02	105	165856	21.251	ug/l	99
74) N-amyl acetate	10.90	43	101579	22.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	65118	22.382	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	75285	30.240	ug/l	82
77) Bromobenzene	11.26	156	42137	21.752	ug/l	98
78) n-propylbenzene	11.36	91	188601	21.160	ug/l	100
79) 2-Chlorotoluene	11.42	91	116261	21.142	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	140467	21.375	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20067	20.624	ug/l	95
82) 4-Chlorotoluene	11.51	91	132680	21.357	ug/l	99
83) tert-Butylbenzene	11.77	119	136065	21.284	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	142287	21.571	ug/l	100
85) sec-Butylbenzene	11.94	105	161302	21.283	ug/l	100
86) p-Isopropyltoluene	12.06	119	144043	21.141	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73330	21.235	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72828	20.918	ug/l	98
89) n-Butylbenzene	12.38	91	127134	20.644	ug/l	99
90) Hexachloroethane	12.60	117	24162	20.815	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	74834	21.276	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14864	22.774	ug/l	97

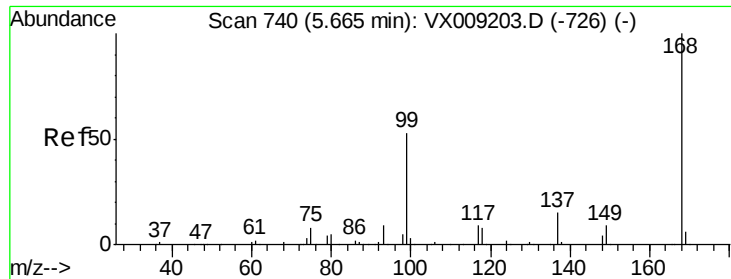
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052019\
Data File : VX009731.D
Acq On : 20 May 2019 17:13
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ClientSampleId :
VX0520WBSD01

Quant Time: May 21 07:42:05 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	51894	21.575	ug/l	97
94) Hexachlorobutadiene	13.78	225	26325	21.432	ug/l	99
95) Naphthalene	13.83	128	169533	21.664	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52083	21.362	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

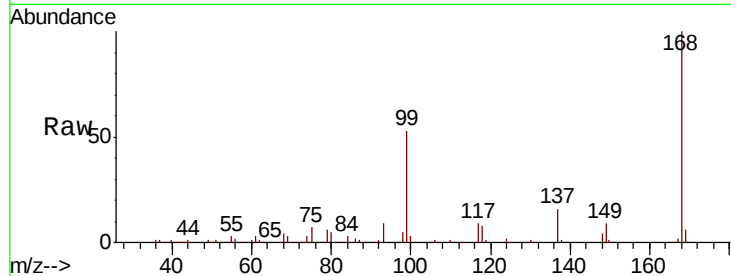
VX0520WBSD01

Tot Ion:168 Resp: 149265

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

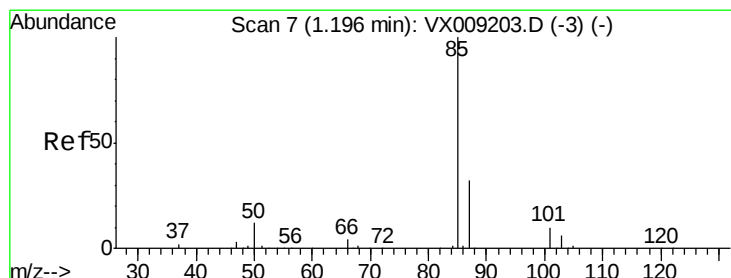
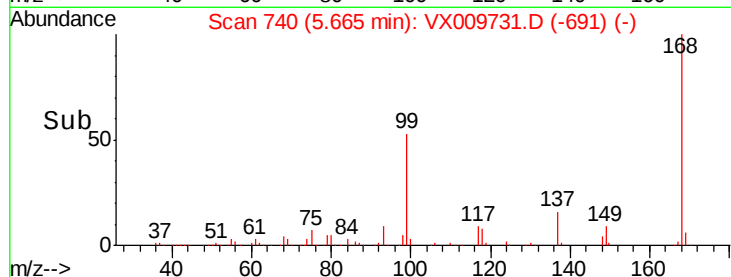
20000

10000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.365 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009731.D

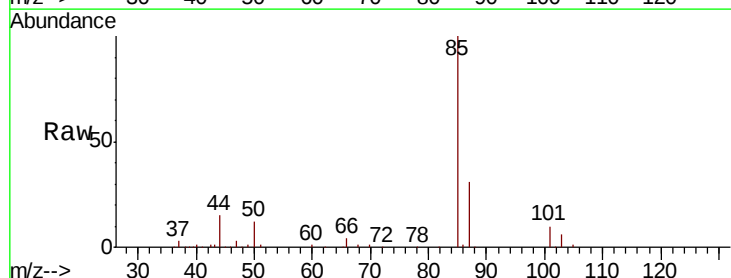
Acq: 20 May 2019 17:13

Tgt Ion: 85 Resp: 23885

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

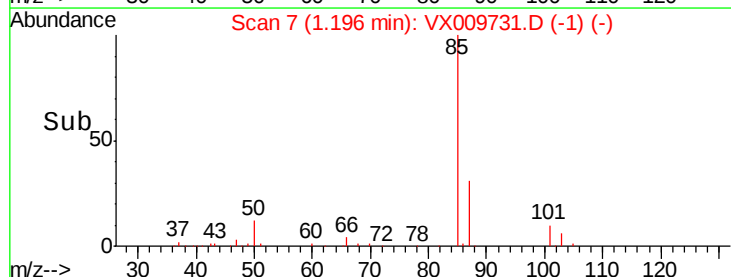
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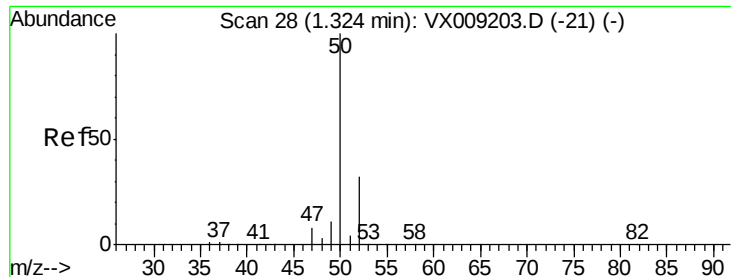
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 20.296 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

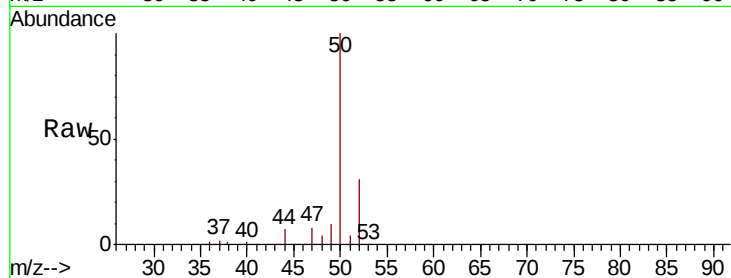
VX0520WBSD01

Tot Ion: 50 Resp: 38115

Ion Ratio Lower Upper

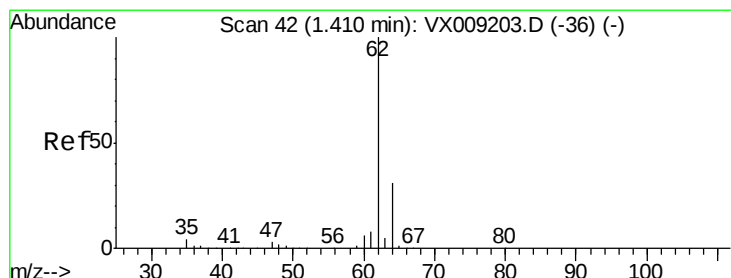
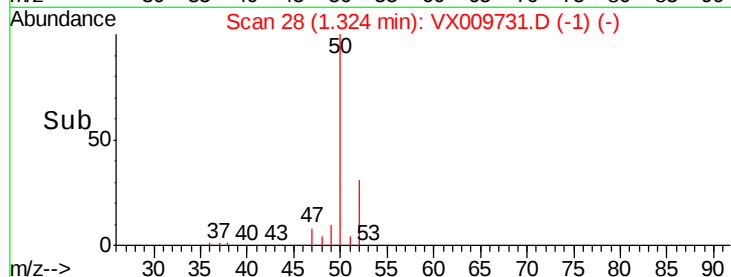
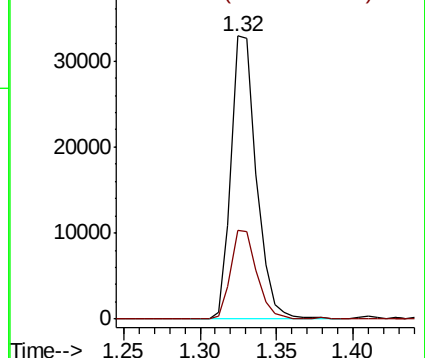
50 100

52 31.2 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: 20.616 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009731.D

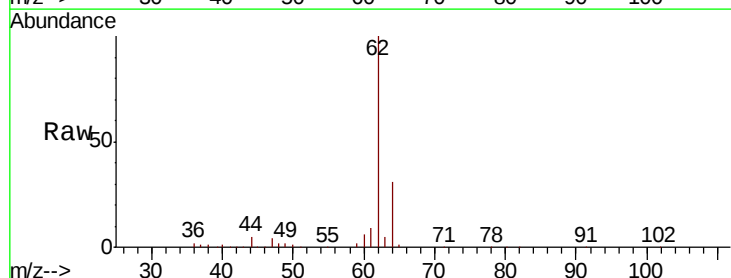
Acq: 20 May 2019 17:13

Tgt Ion: 62 Resp: 37752

Ion Ratio Lower Upper

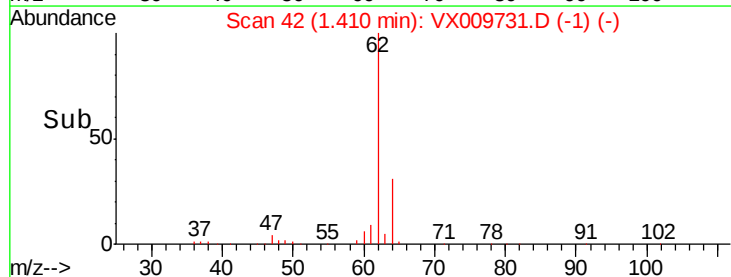
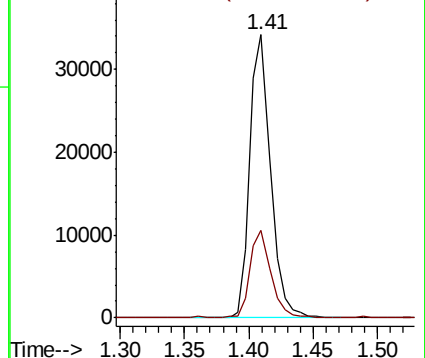
62 100

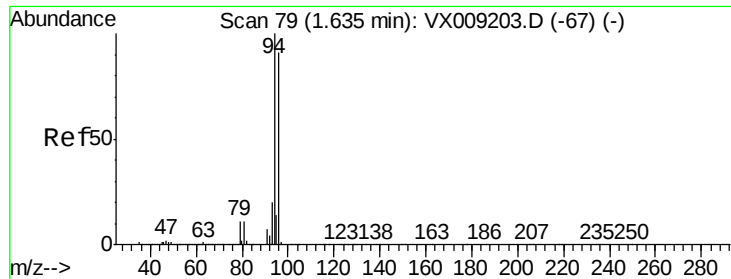
64 30.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.658 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

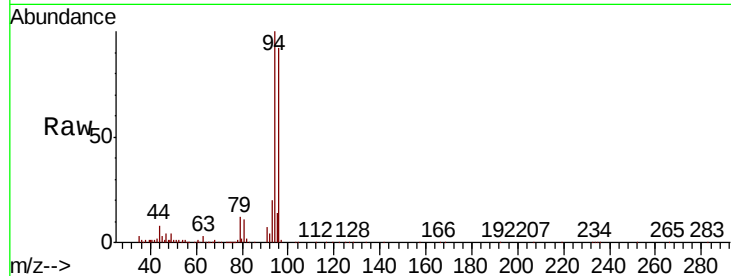
VX0520WBSD01

Tot Ion: 94 Resp: 22705

Ion Ratio Lower Upper

94 100

96 92.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

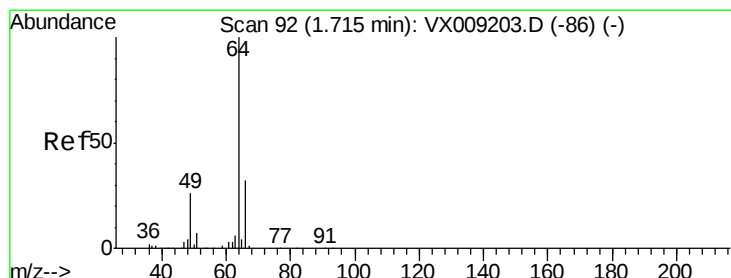
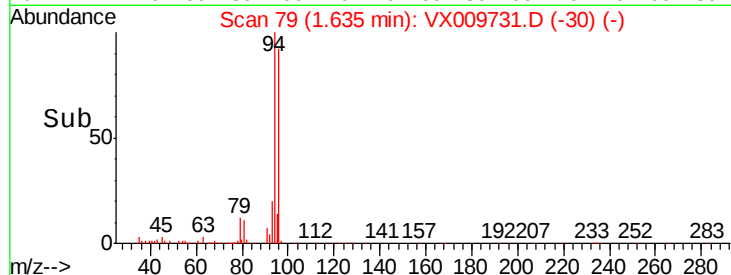
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.463 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009731.D

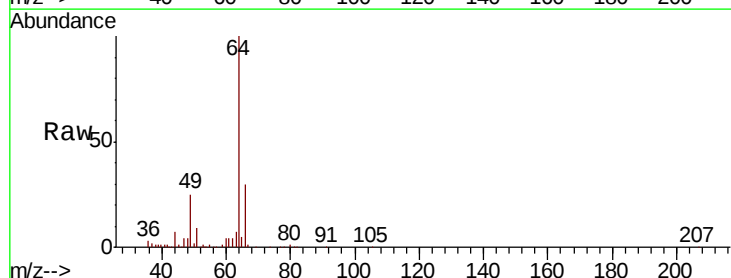
Acq: 20 May 2019 17:13

Tgt Ion: 64 Resp: 24058

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

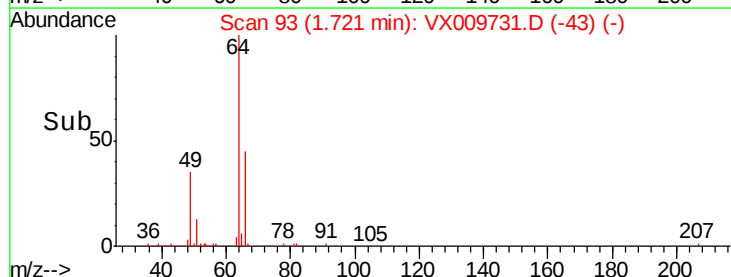
10000

5000

0

Time-->

1.65 1.70 1.75 1.80



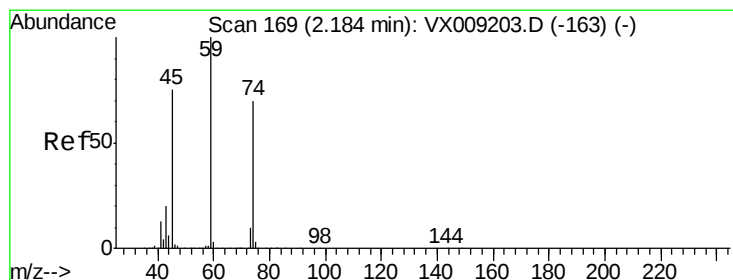
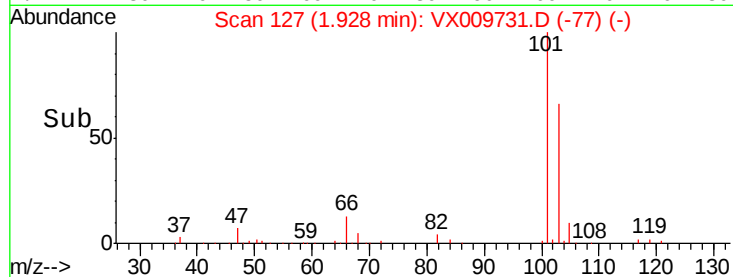
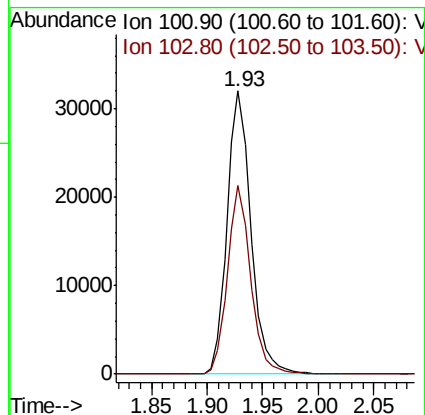
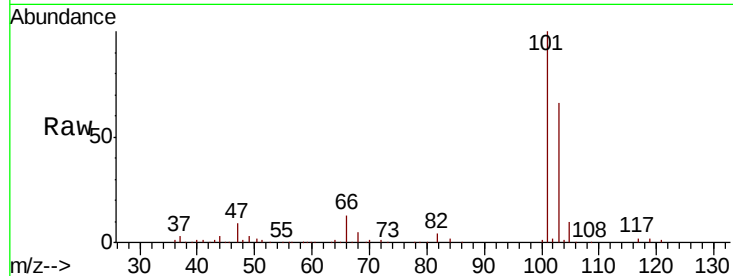


#7

Trichlorofluoromethane
Concen: 21.391 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

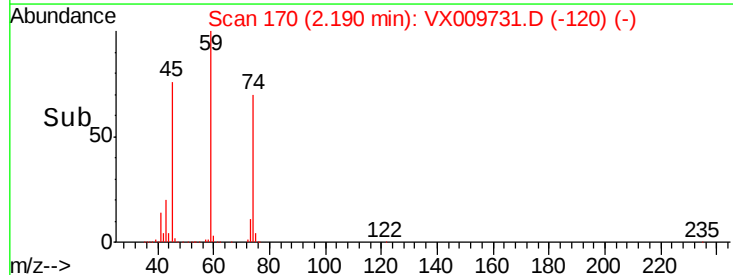
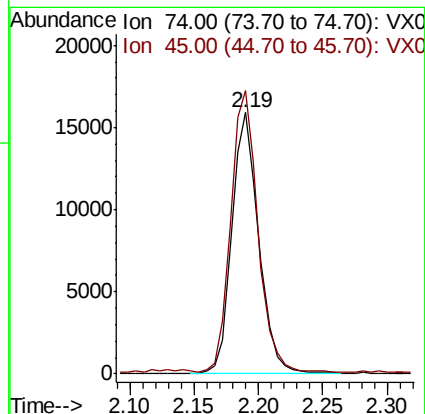
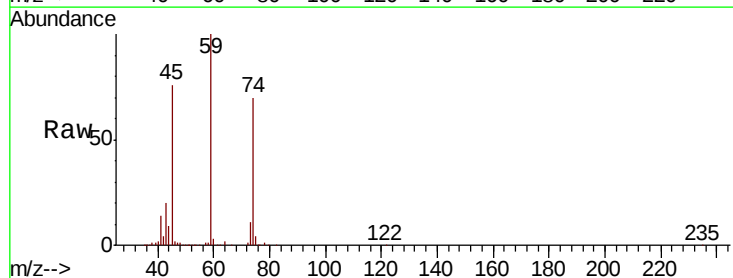
Tot Ion:101 Resp: 47614
Ion Ratio Lower Upper
101 100
103 66.5 52.4 78.6



#8

Diethyl Ether
Concen: 22.075 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 74 Resp: 23275
Ion Ratio Lower Upper
74 100
45 108.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.170 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

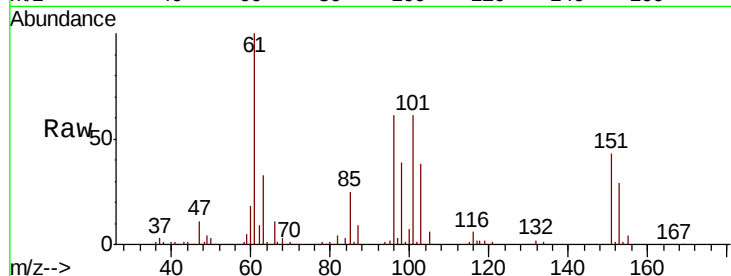
Tot Ion:101 Resp: 29591

Ion Ratio Lower Upper

101 100

85 43.5 35.7 53.5

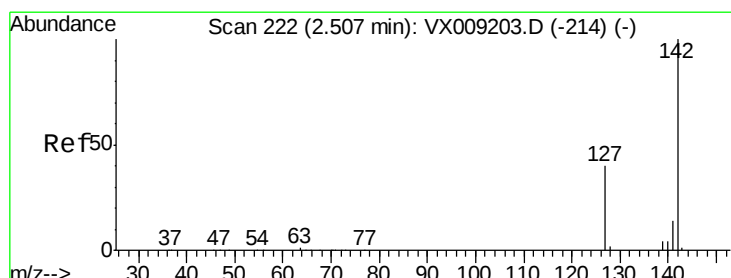
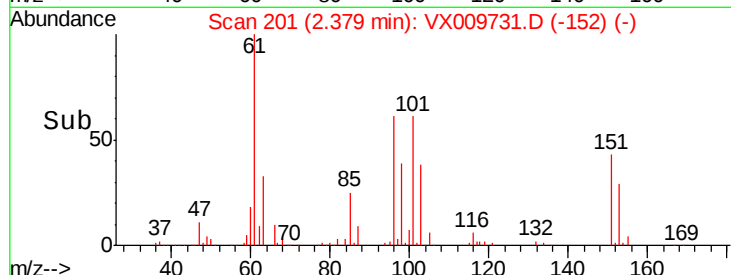
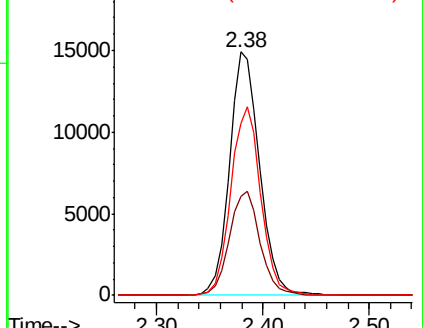
151 76.6 62.2 93.2



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: 21.691 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

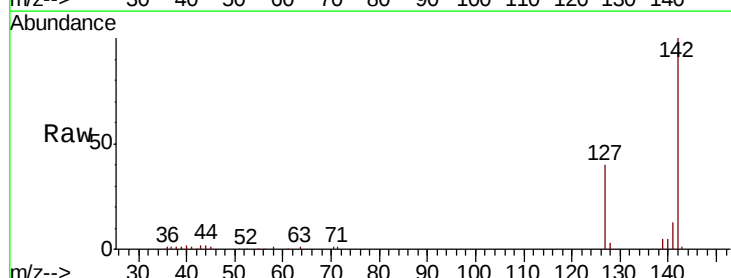
Tgt Ion:142 Resp: 30576

Ion Ratio Lower Upper

142 100

127 41.8 32.7 49.1

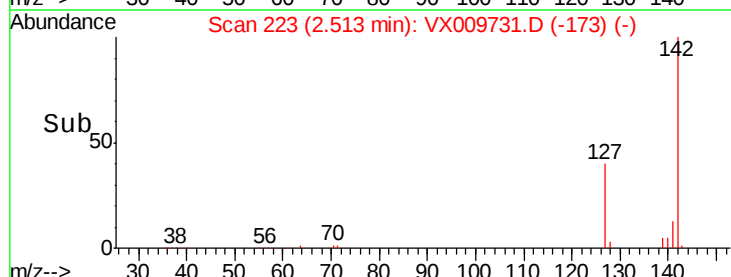
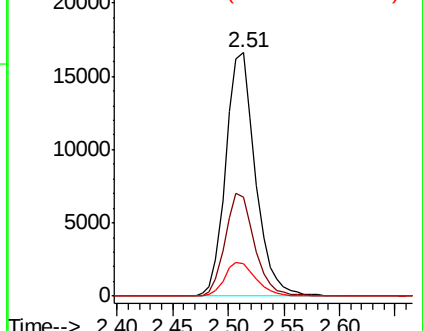
141 14.5 11.5 17.3

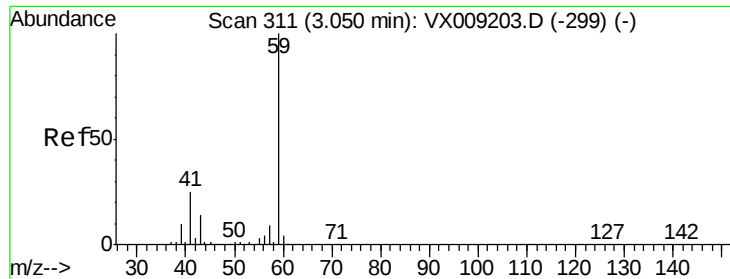


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

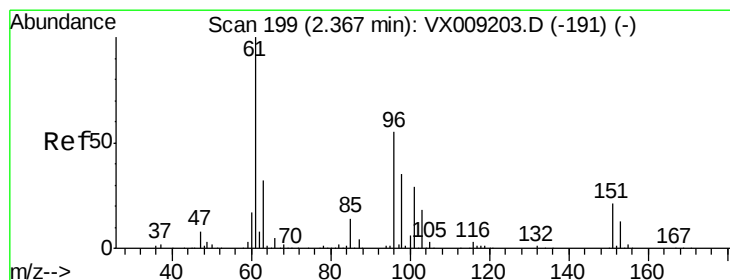
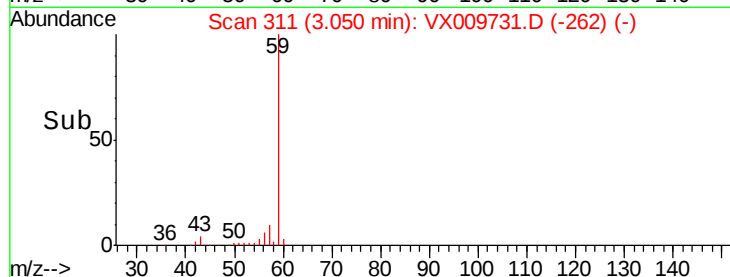
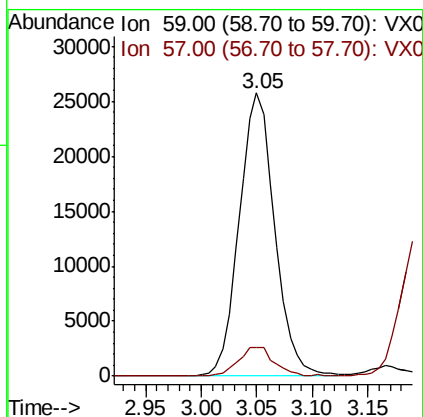
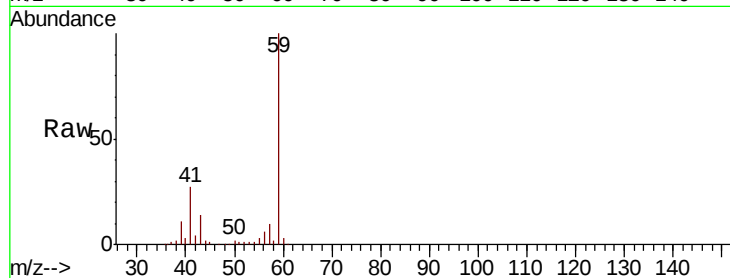




#11
Tert butyl alcohol
Concen: 120.959 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

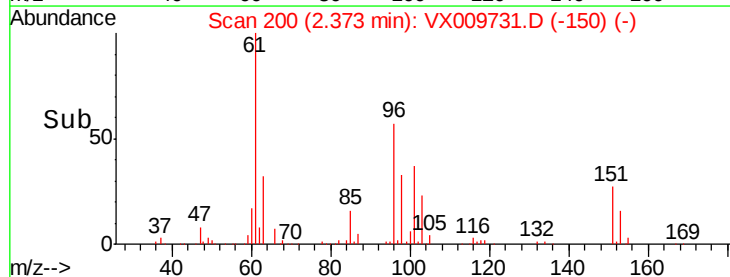
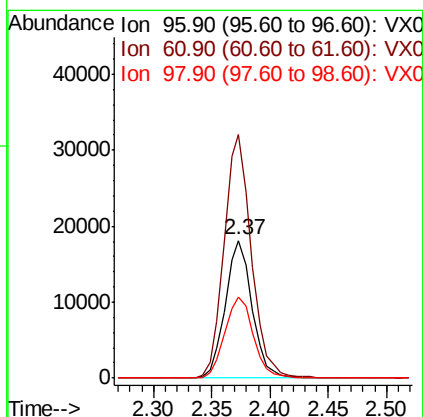
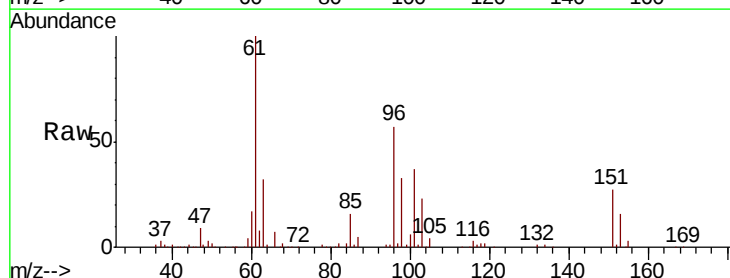
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

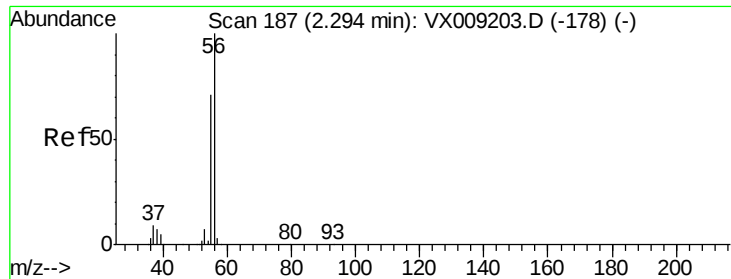
Tot Ion: 59 Resp: 57052
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.761 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 96 Resp: 29077
Ion Ratio Lower Upper
96 100
61 176.4 144.3 216.5
98 58.3 50.3 75.5

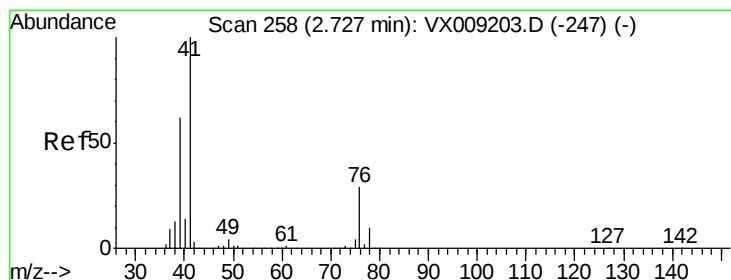
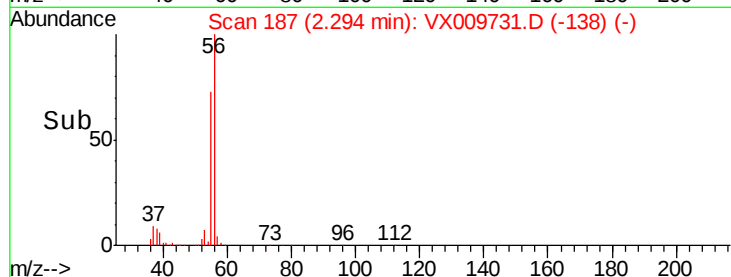
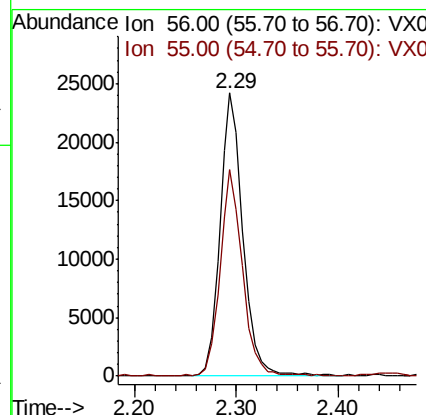
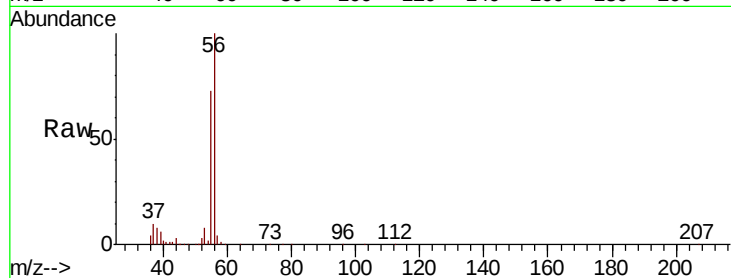




#13
 Acrolein
 Concen: 88.963 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

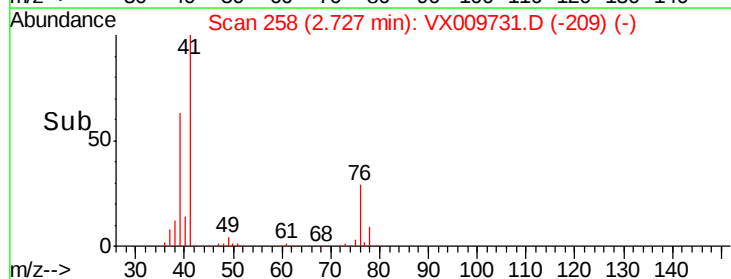
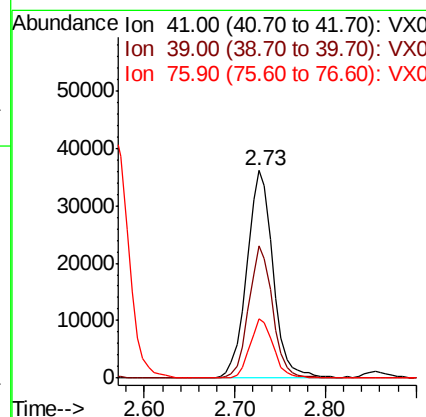
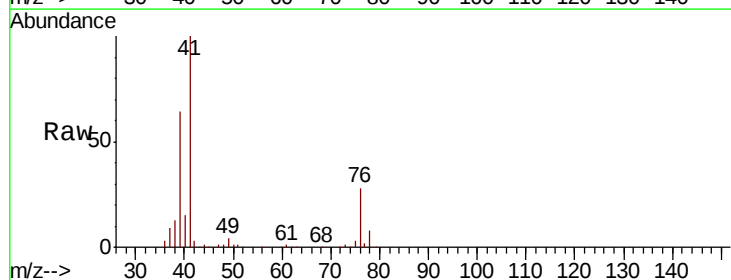
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion: 56 Resp: 38001
 Ion Ratio Lower Upper
 56 100
 55 71.8 56.6 85.0



#14
 Allyl chloride
 Concen: 21.213 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 41 Resp: 72403
 Ion Ratio Lower Upper
 41 100
 39 58.4 46.7 70.1
 76 25.6 21.8 32.8





#15

Acrylonitrile

Concen: 115.267 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

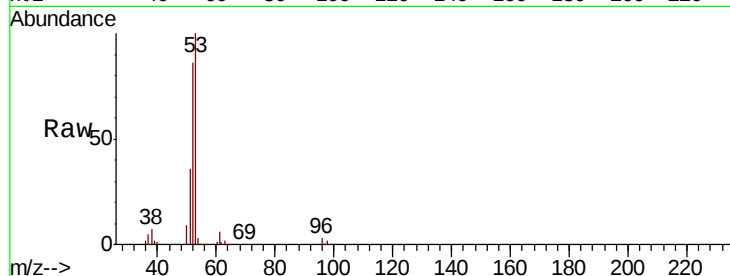
Tot Ion: 53 Resp: 132932

Ion Ratio Lower Upper

53 100

52 84.8 66.9 100.3

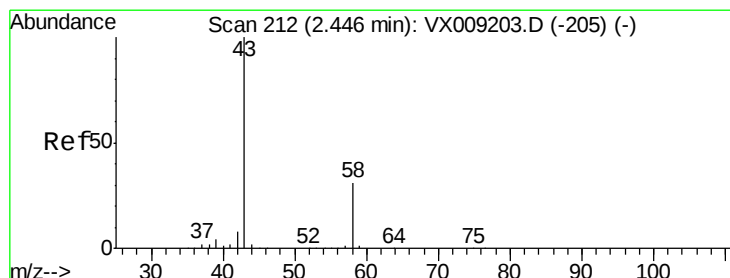
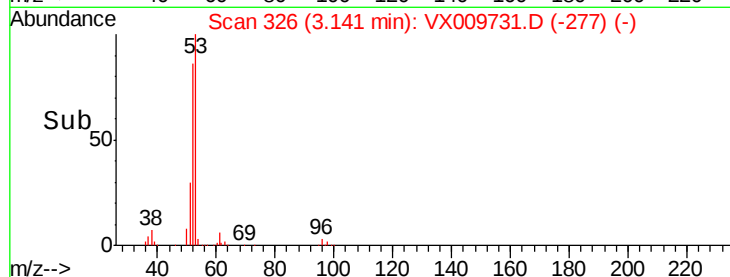
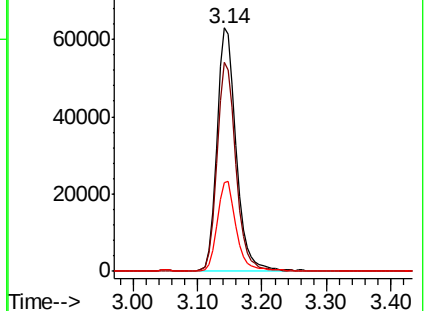
51 36.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 109.332 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009731.D

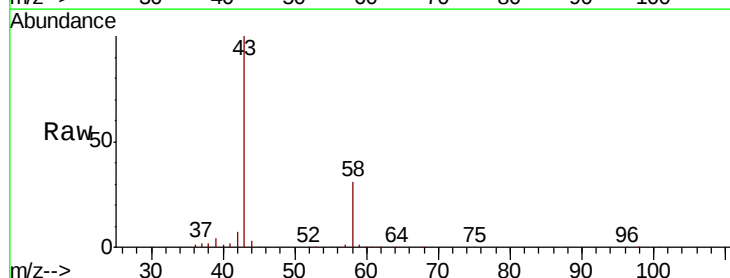
Acq: 20 May 2019 17:13

Tgt Ion: 43 Resp: 119624

Ion Ratio Lower Upper

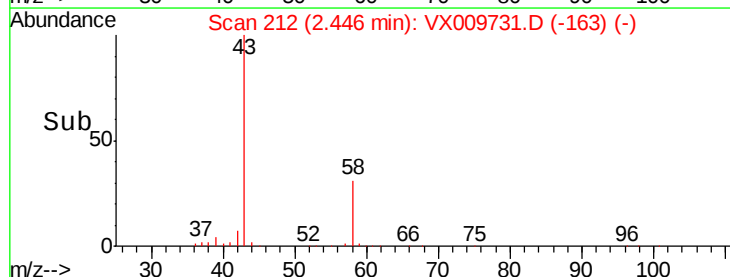
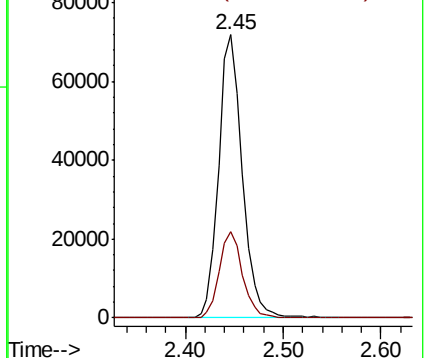
43 100

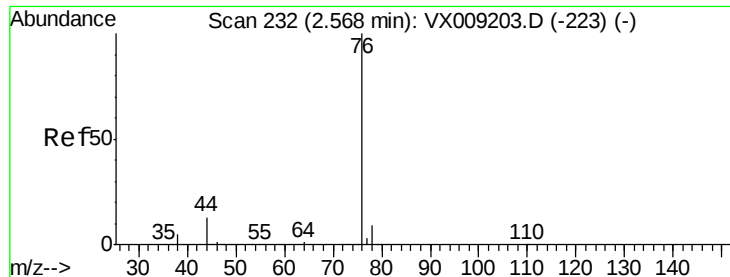
58 30.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

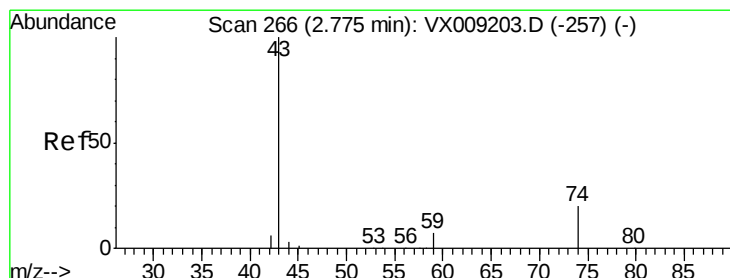
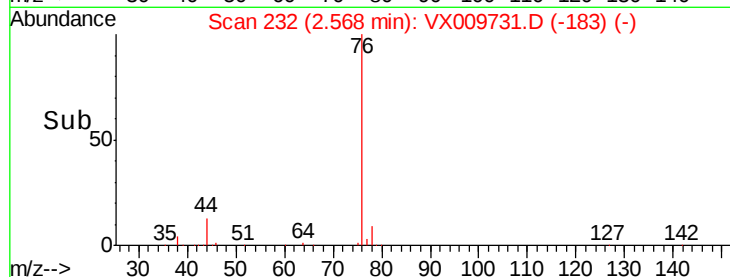
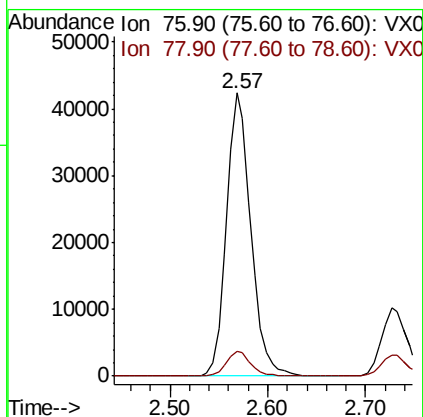
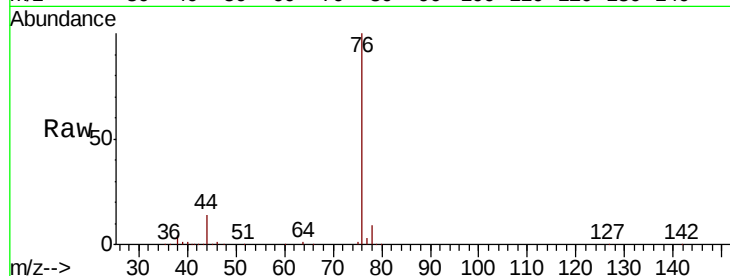




#17
Carbon Disulfide
Concen: 18.545 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

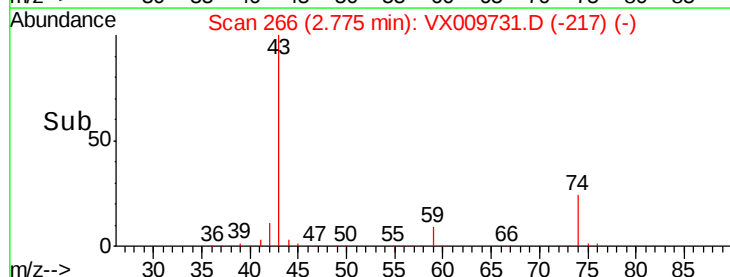
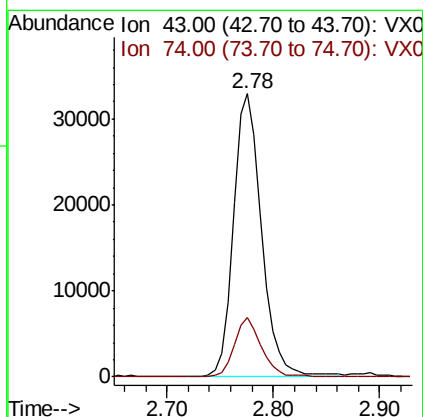
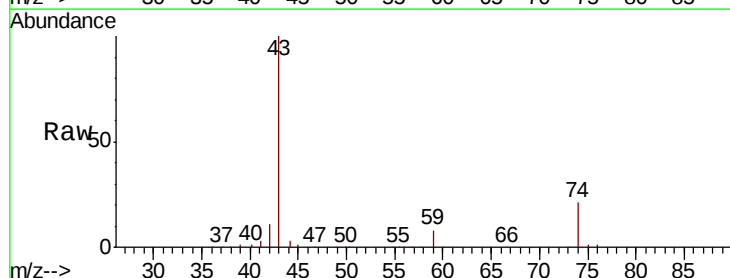
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion: 76 Resp: 72920
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 23.292 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 43 Resp: 60607
Ion Ratio Lower Upper
43 100
74 20.6 16.2 24.4



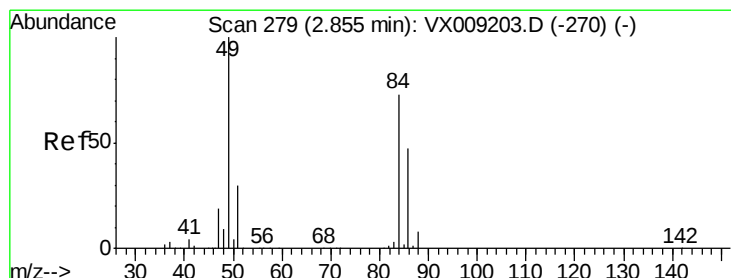
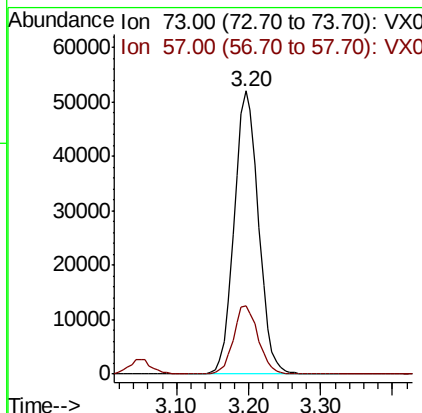
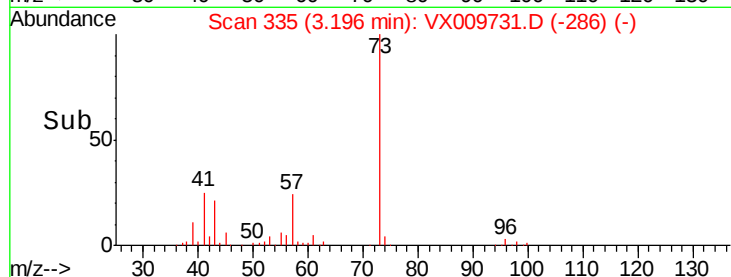
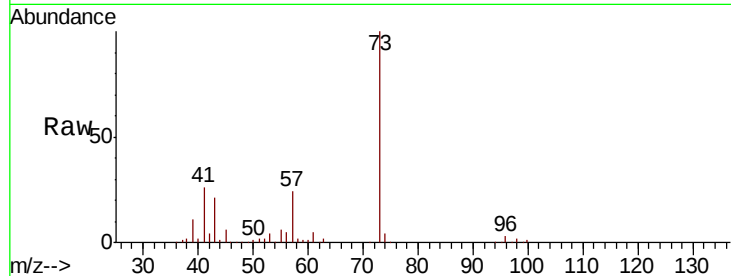


#19

Methyl tert-butyl Ether
 Concen: 22.423 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

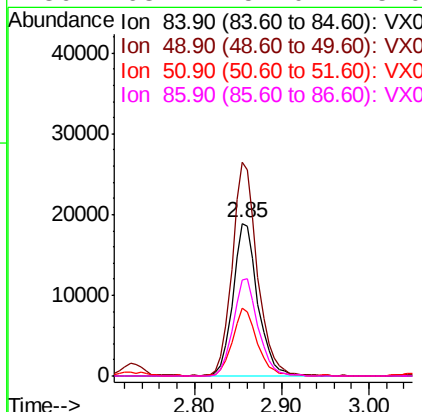
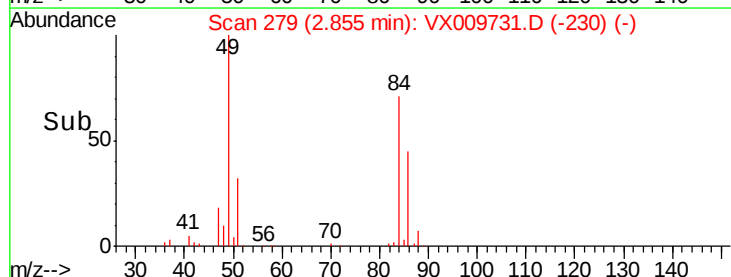
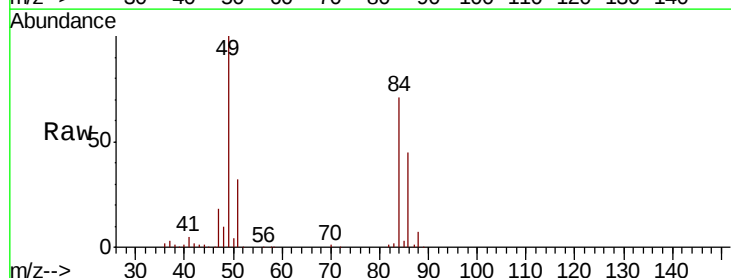
Tot Ion: 73 Resp: 121951
 Ion Ratio Lower Upper
 73 100
 57 24.1 19.3 28.9



#20

Methylene Chloride
 Concen: 21.107 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 84 Resp: 37392
 Ion Ratio Lower Upper
 84 100
 49 139.9 109.9 164.9
 51 44.0 32.7 49.1
 86 63.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.694 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

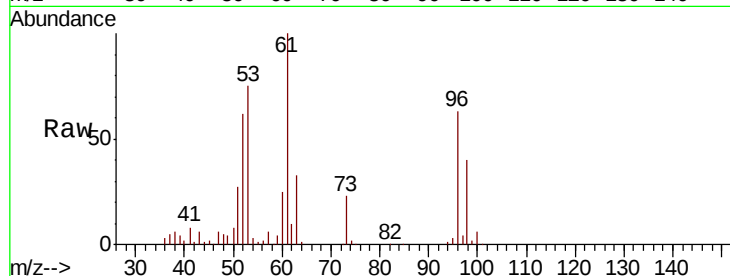
Tot Ion: 96 Resp: 31432

Ion Ratio Lower Upper

96 100

61 158.8 124.5 186.7

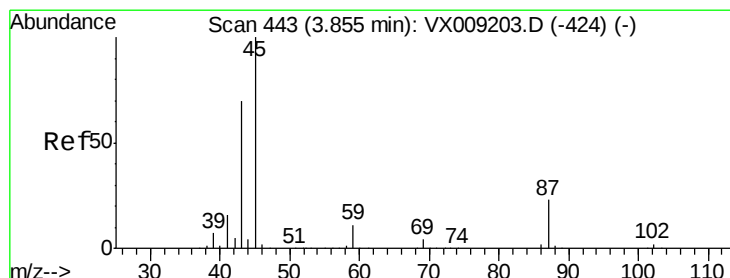
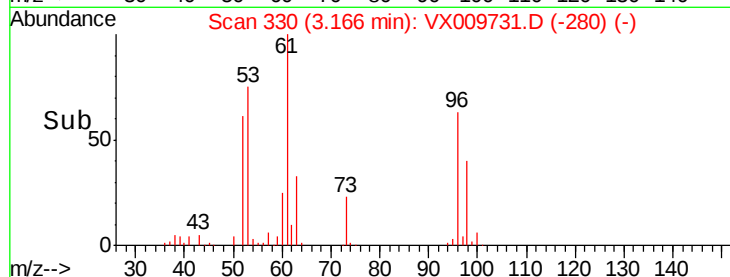
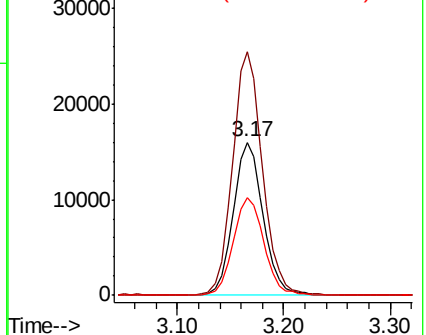
98 64.1 50.4 75.6



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: 22.683 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion: 45 Resp: 148886

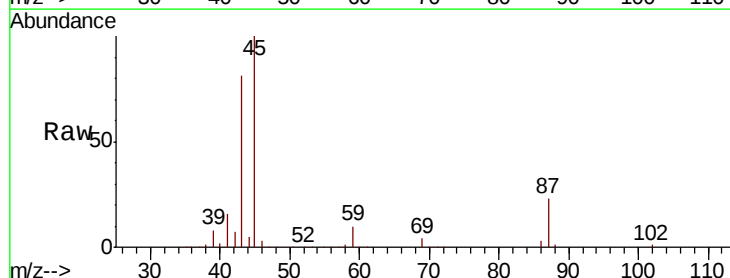
Ion Ratio Lower Upper

45 100

43 80.7 56.1 84.1

87 22.6 18.1 27.1

59 9.8 8.5 12.7

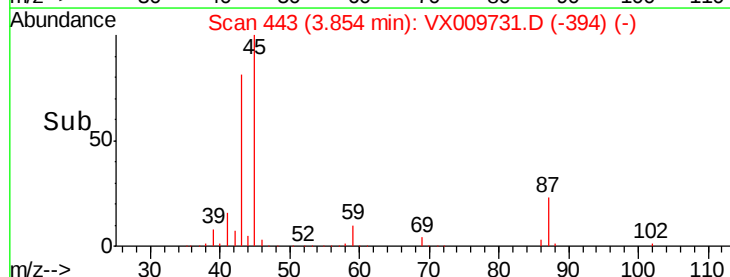
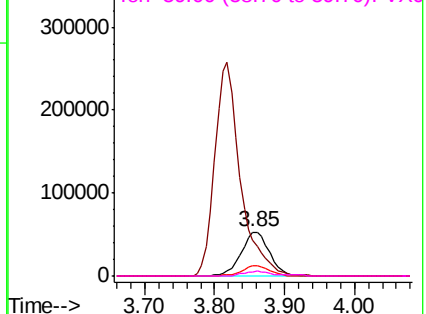


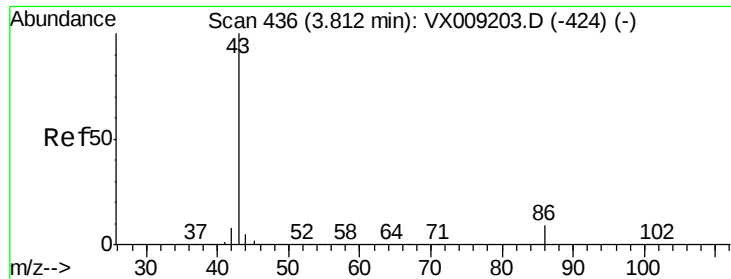
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 116.716 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

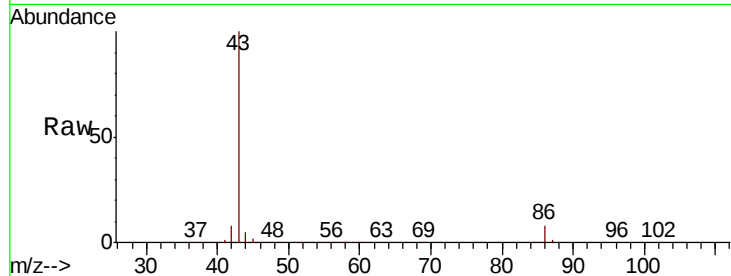
VX0520WBSD01

Tot Ion: 43 Resp: 656020

Ion Ratio Lower Upper

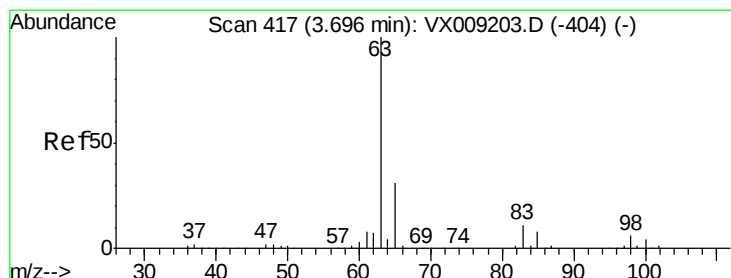
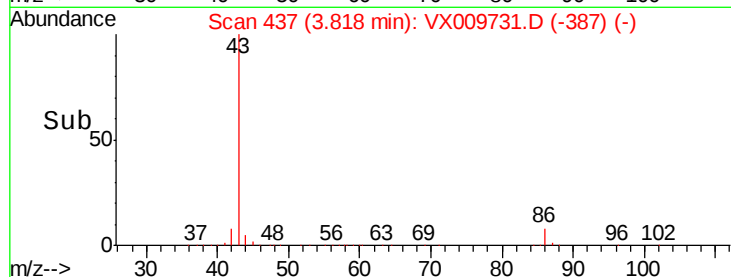
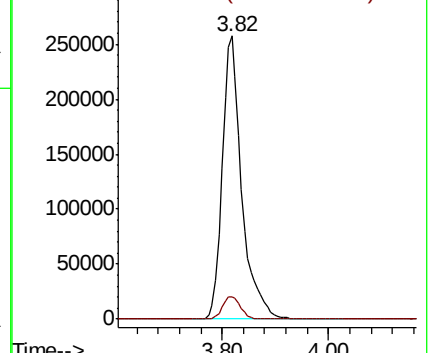
43 100

86 8.1 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: 21.666 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

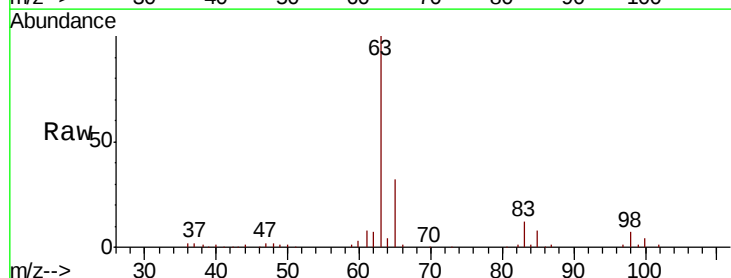
Tgt Ion: 63 Resp: 70156

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

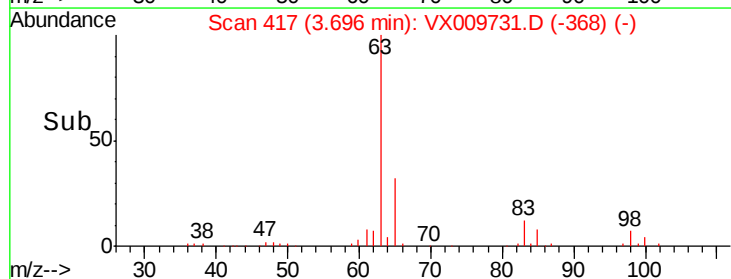
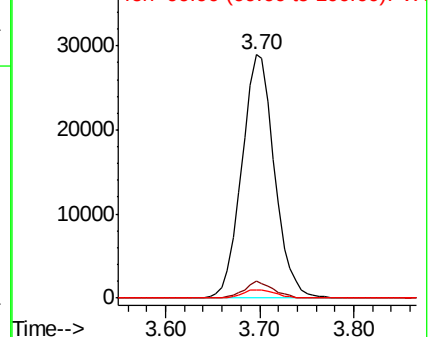
100 3.5 2.0 6.0



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: 118.514 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

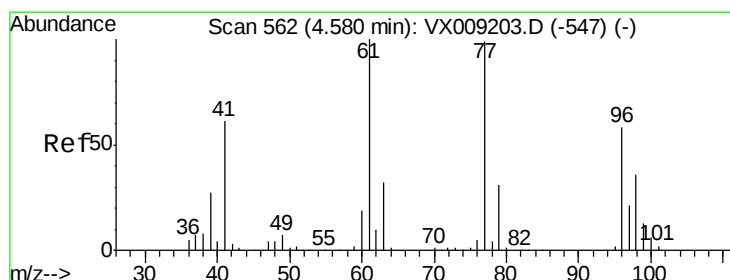
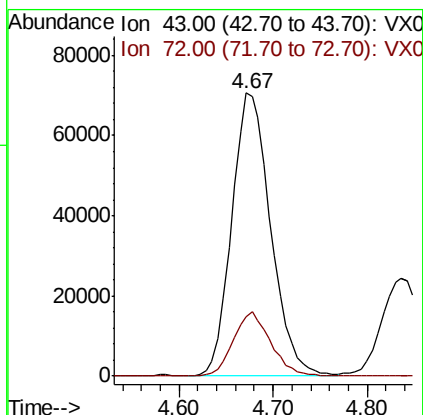
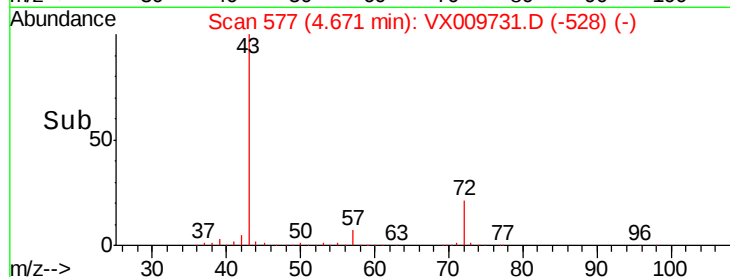
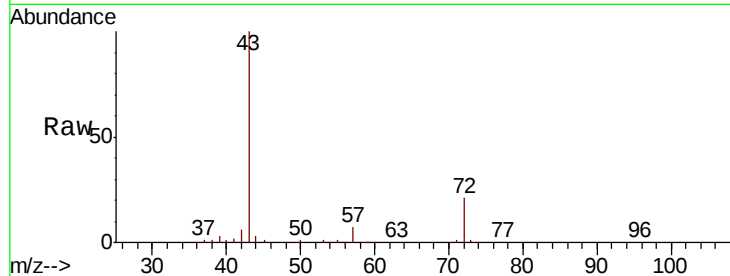
VX0520WBSD01

Tot Ion: 43 Resp: 201504

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.2



#26

2,2-Dichloropropane

Concen: 19.863 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009731.D

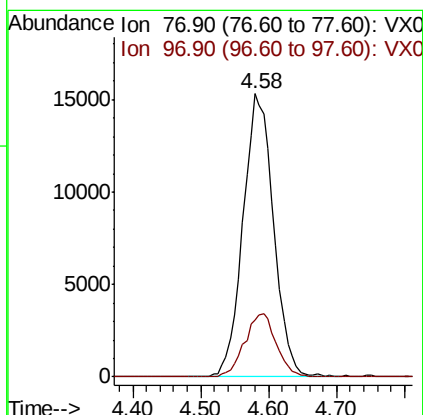
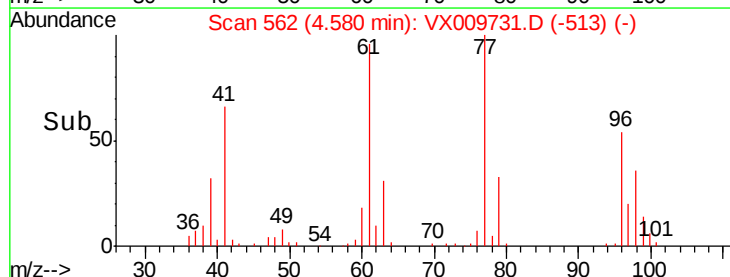
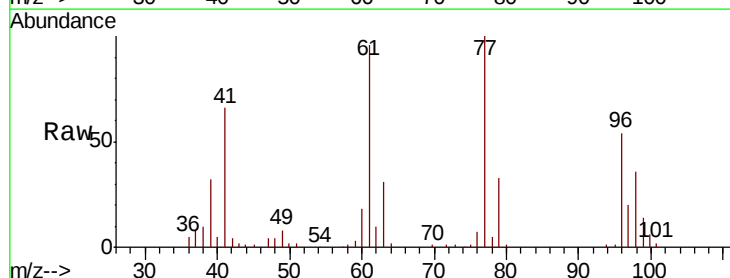
Acq: 20 May 2019 17:13

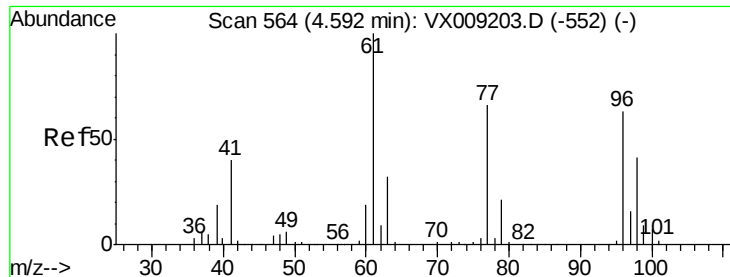
Tgt Ion: 77 Resp: 47874

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4



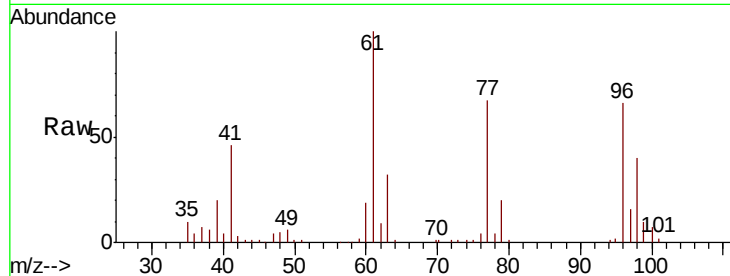


#27

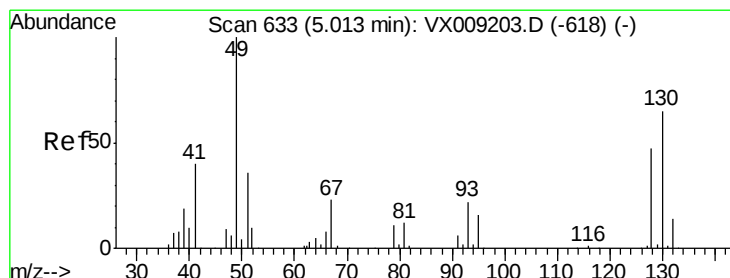
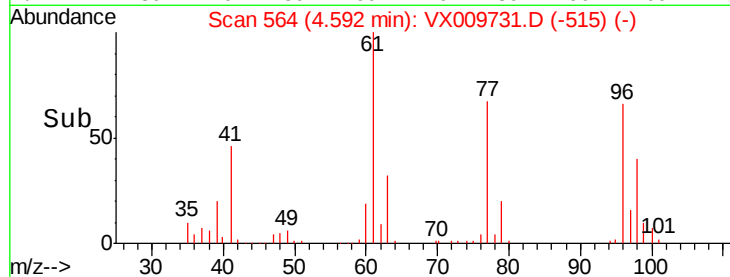
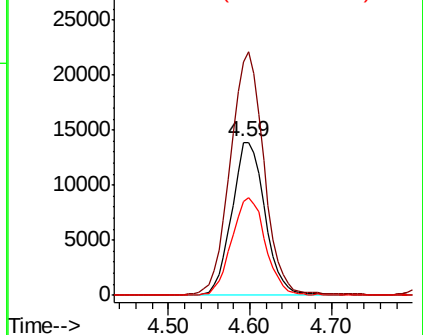
cis-1,2-Dichloroethene
Concen: 21.569 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion: 96 Resp: 39103
Ion Ratio Lower Upper
96 100
61 161.4 0.0 324.0
98 65.0 0.0 130.4



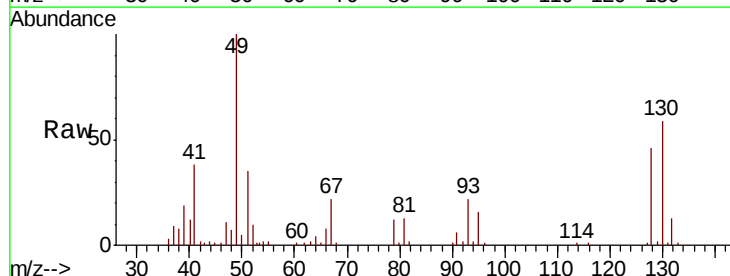
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



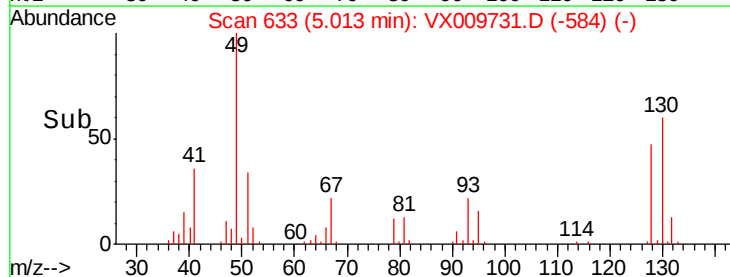
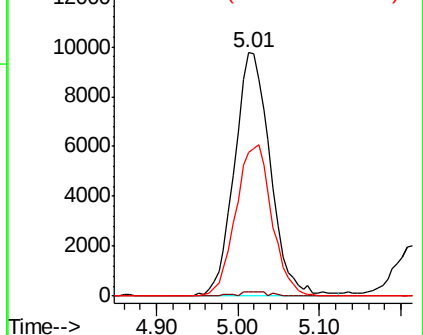
#28

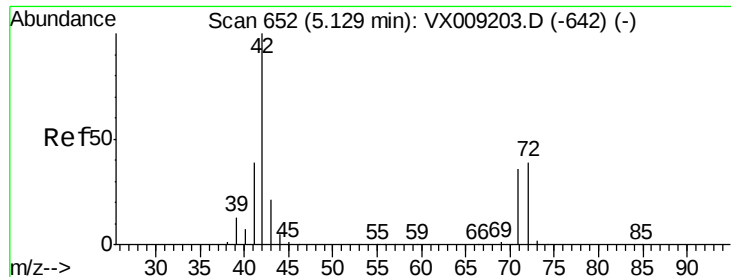
Bromochloromethane
Concen: 21.329 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 49 Resp: 29850
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.8
130 62.3 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: 120.540 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

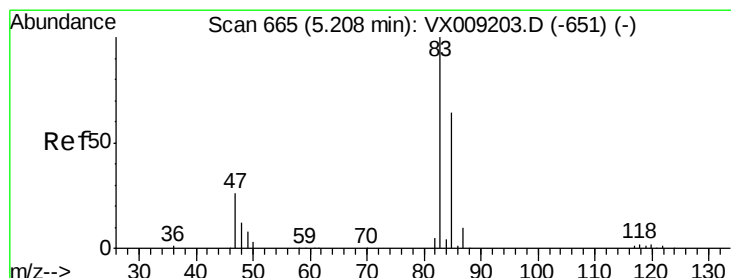
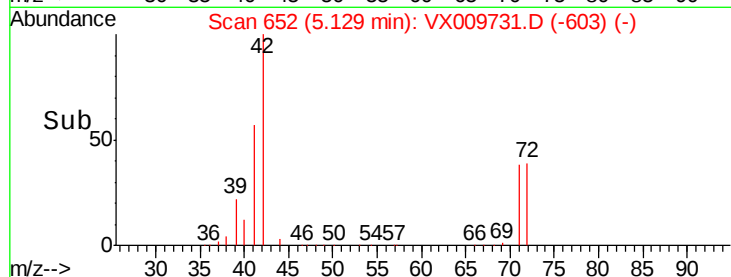
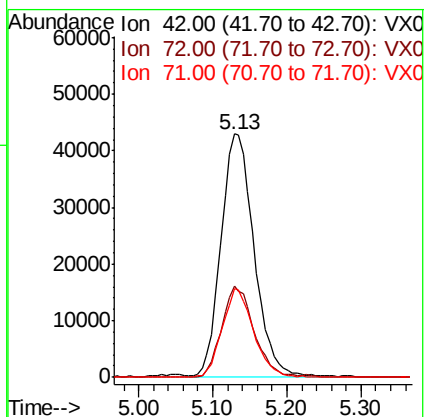
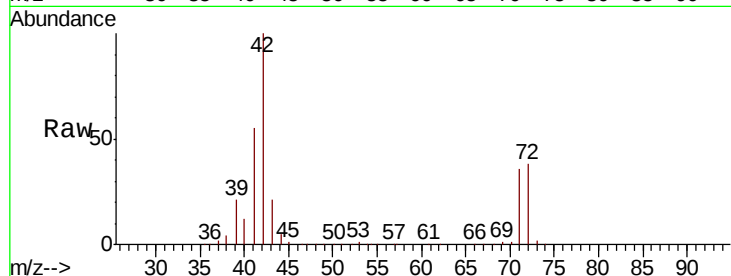
Tot Ion: 42 Resp: 131884

Ion Ratio Lower Upper

42 100

72 37.4 30.4 45.6

71 35.1 28.6 43.0



#30

Chloroform

Concen: 22.145 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009731.D

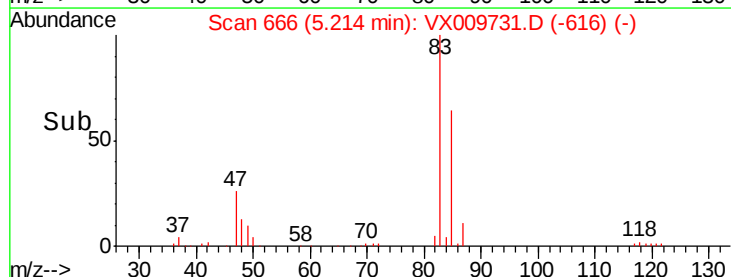
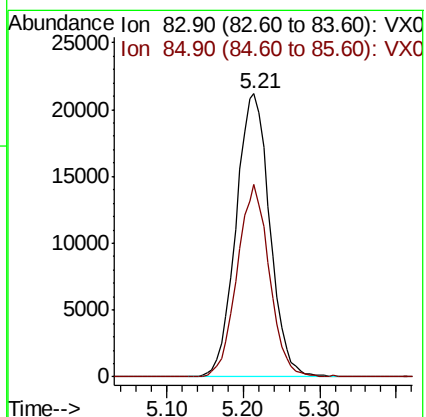
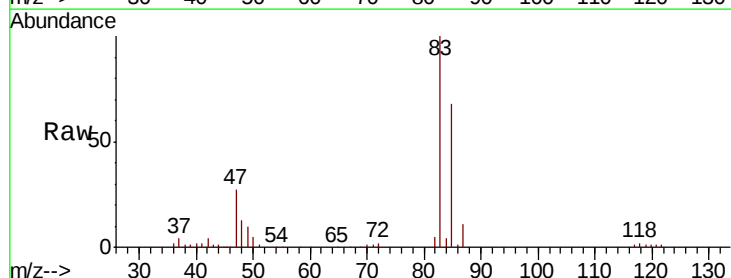
Acq: 20 May 2019 17:13

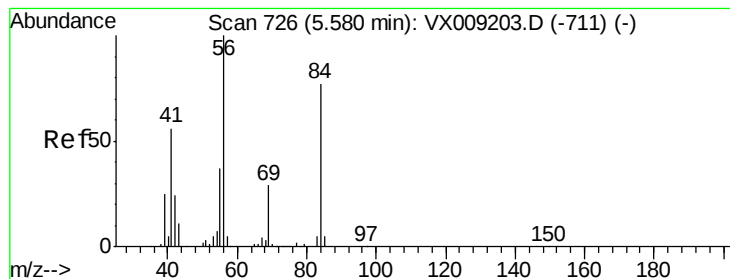
Tgt Ion: 83 Resp: 64852

Ion Ratio Lower Upper

83 100

85 68.0 51.5 77.3





#31

Cyclohexane

Concen: 20.372 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

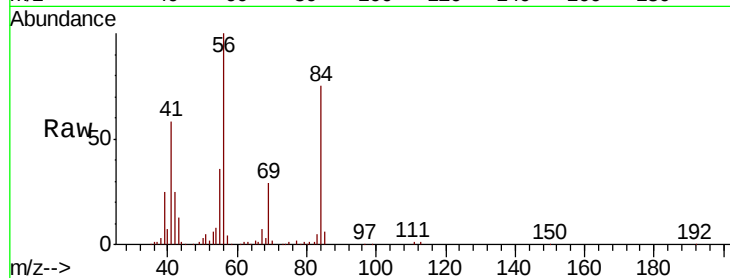
Tot Ion: 56 Resp: 61372

Ion Ratio Lower Upper

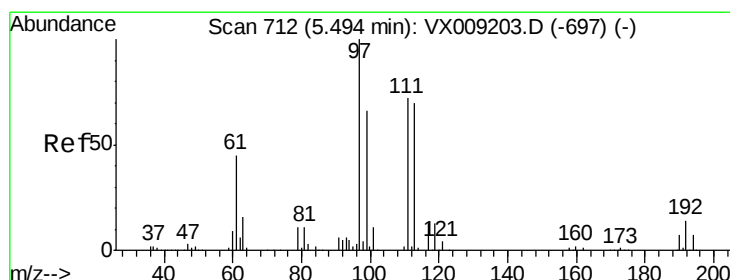
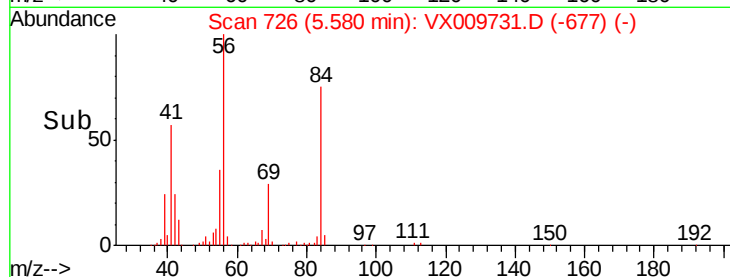
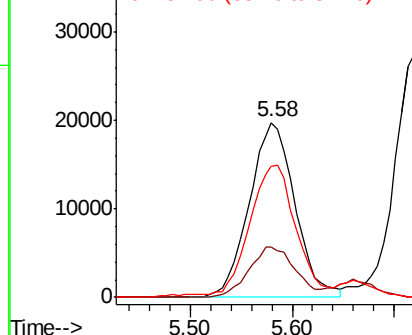
56 100

69 28.5 23.4 35.0

84 73.6 61.9 92.9



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



#32

1,1,1-Trichloroethane

Concen: 22.128 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

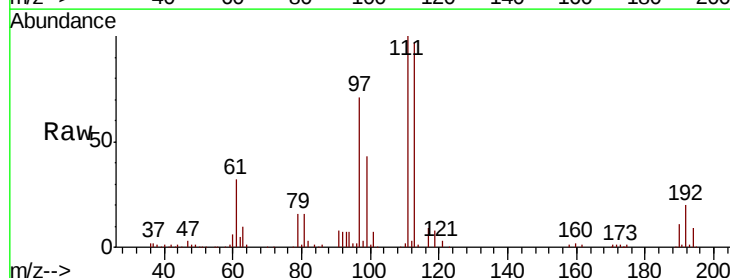
Tgt Ion: 97 Resp: 53946

Ion Ratio Lower Upper

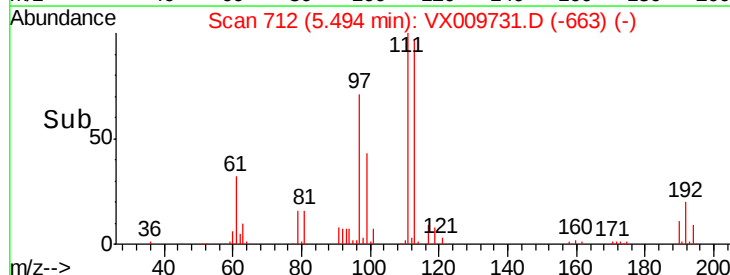
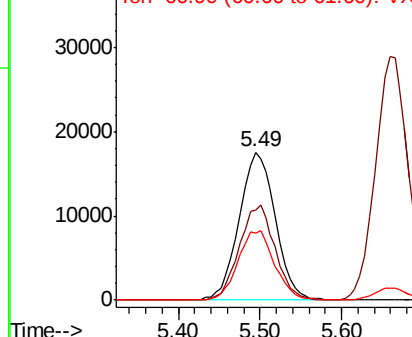
97 100

99 63.4 51.8 77.8

61 47.7 37.8 56.8



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

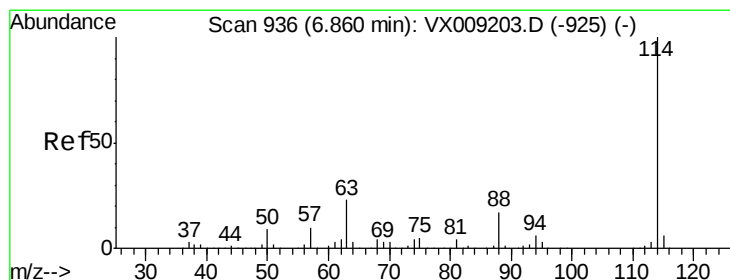
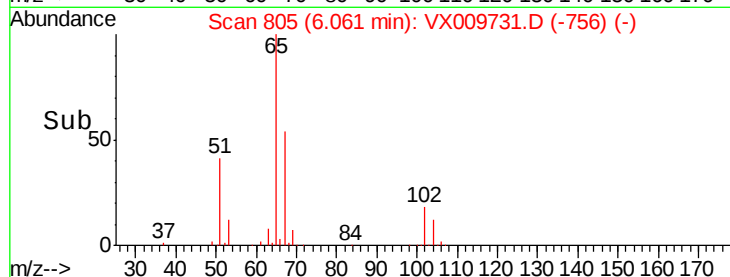
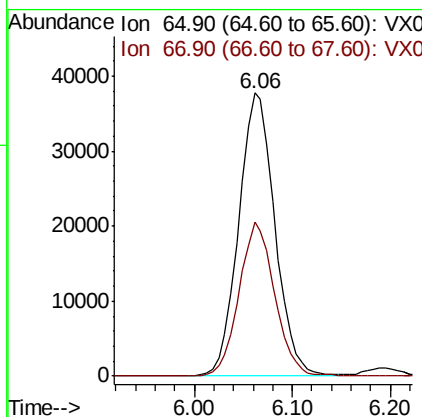
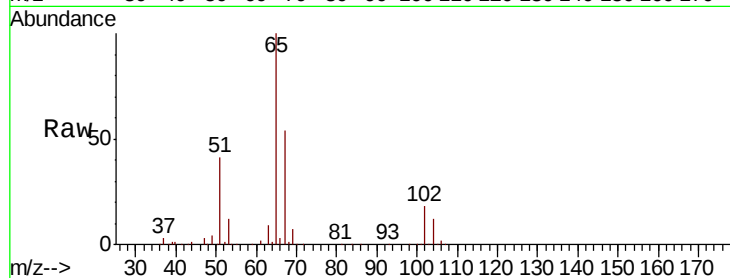




#33
 1,2-Dichloroethane-d4
 Concen: 47.522 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

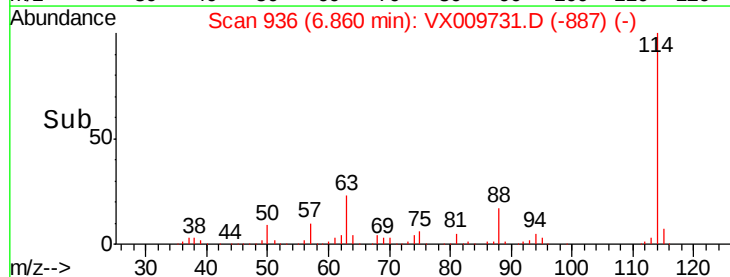
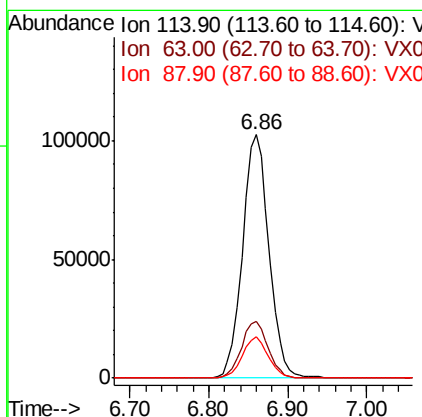
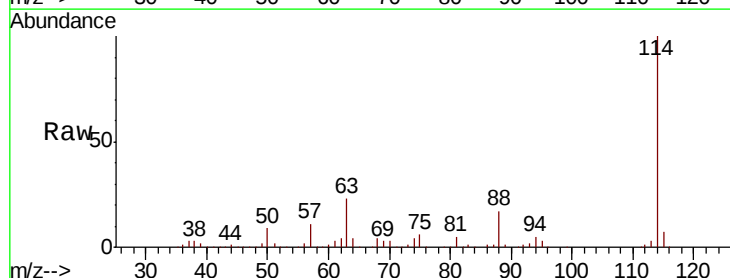
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

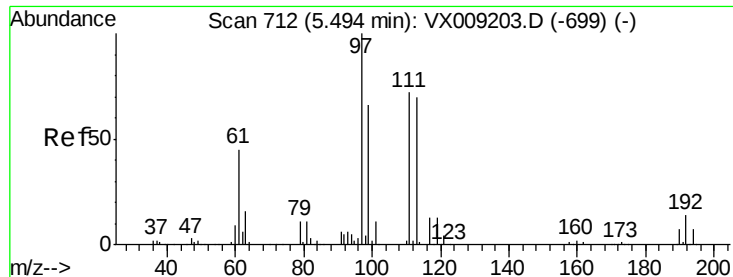
Tot Ion: 65 Resp: 96833
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 114 Resp: 239028
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.8 0.0 33.2

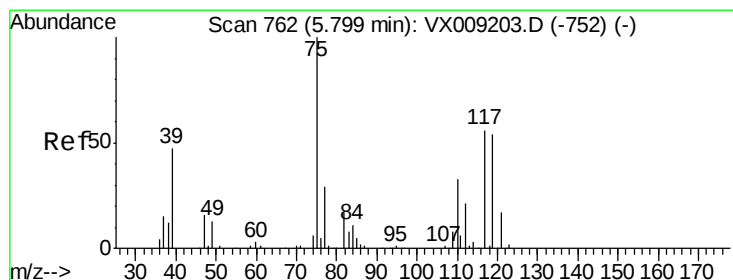
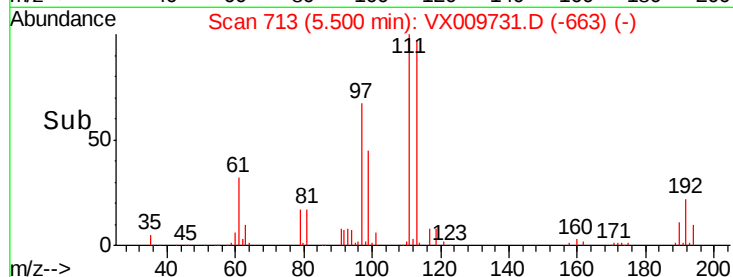
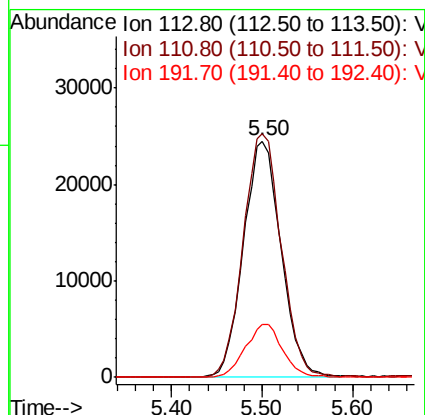
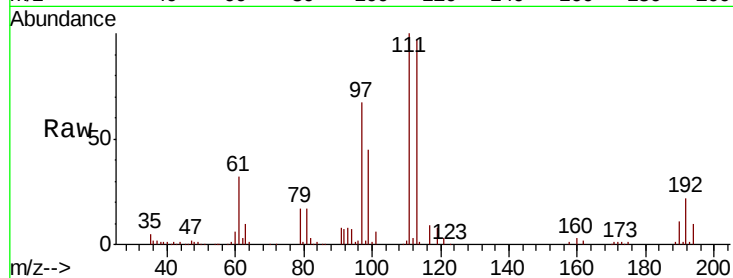




#35
 Dibromofluoromethane
 Concen: 46.780 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

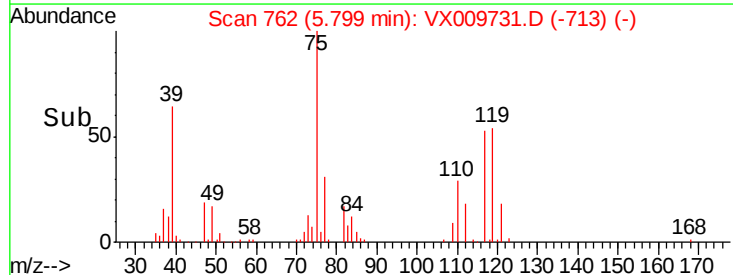
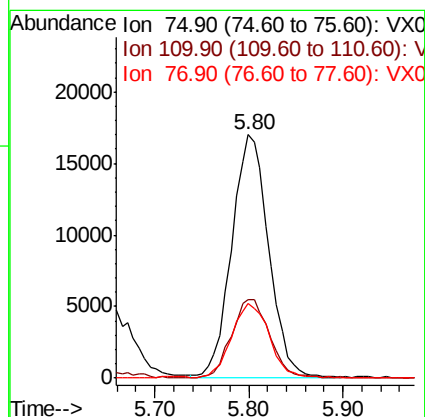
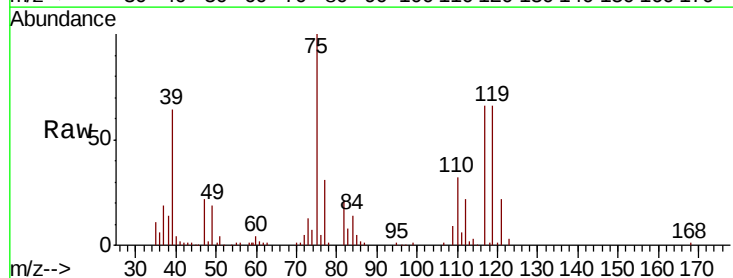
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

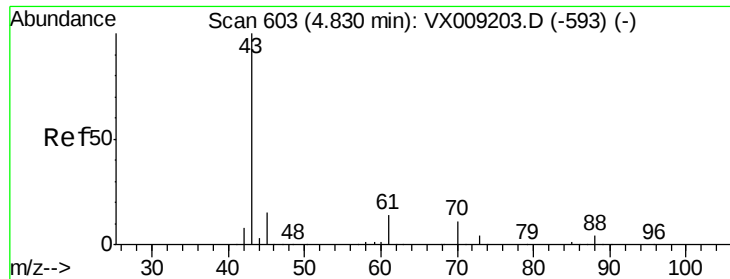
Tot Ion:113 Resp: 70293
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.8 124.2
 192 22.3 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 20.819 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 75 Resp: 46245
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.9 50.6
 77 31.7 24.8 37.2





#37

Ethyl Acetate

Concen: 23.457 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

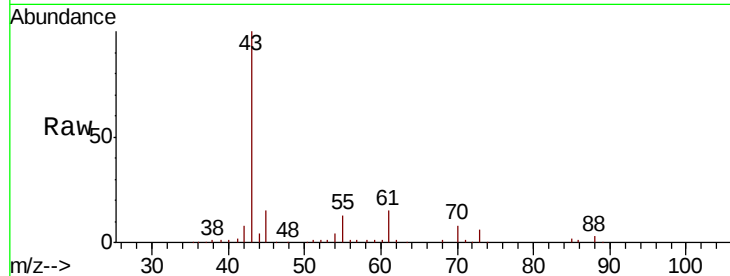
Tot Ion: 43 Resp: 72598

Ion Ratio Lower Upper

43 100

61 13.8 10.5 15.7

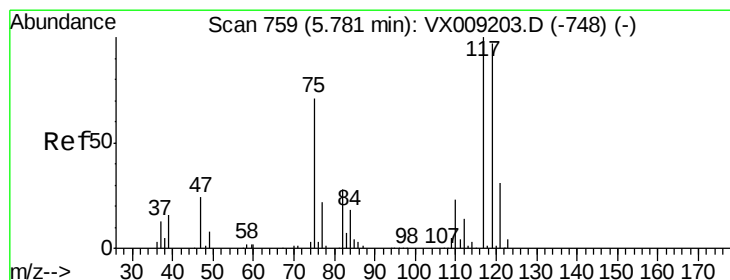
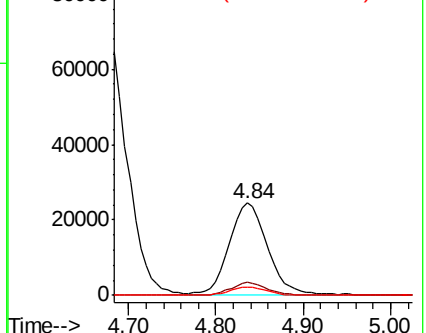
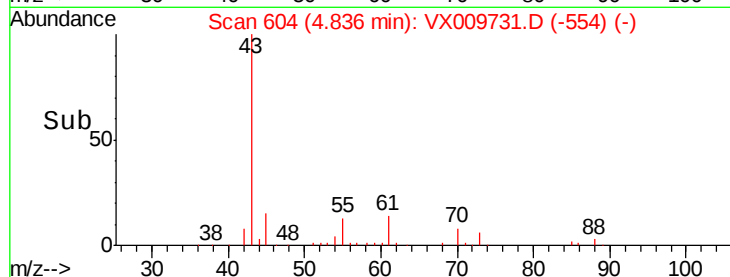
70 9.1 7.9 11.9



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: 21.202 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

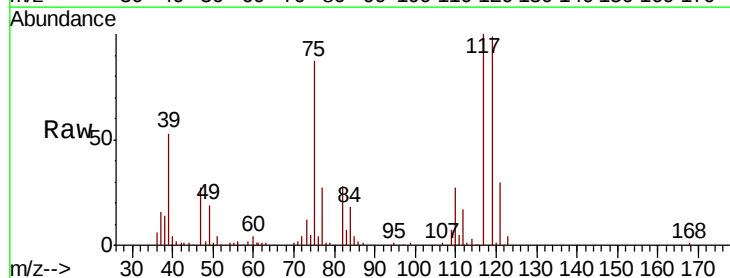
Tgt Ion: 117 Resp: 42790

Ion Ratio Lower Upper

117 100

119 99.4 77.5 116.3

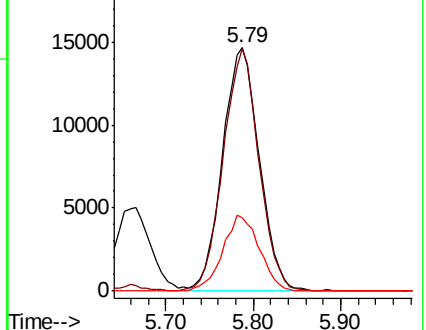
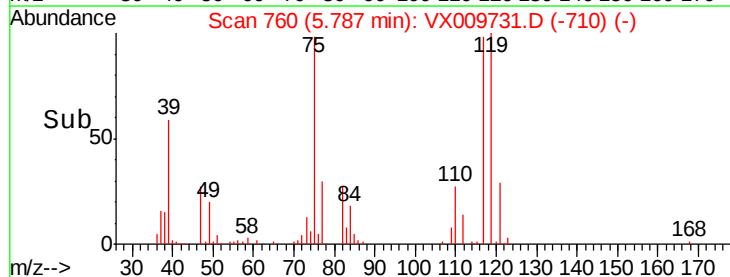
121 30.0 24.7 37.1

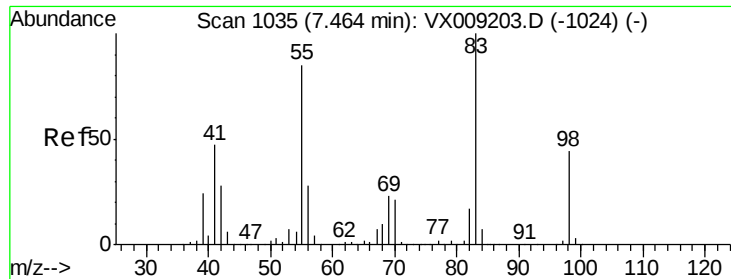


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

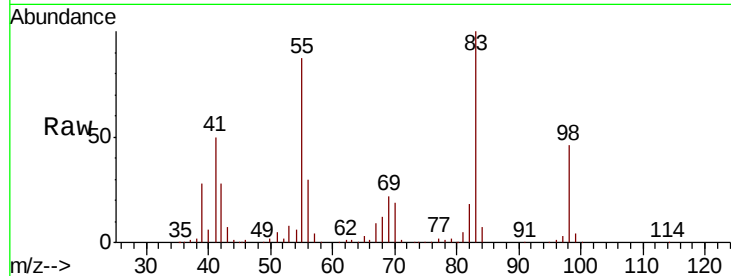




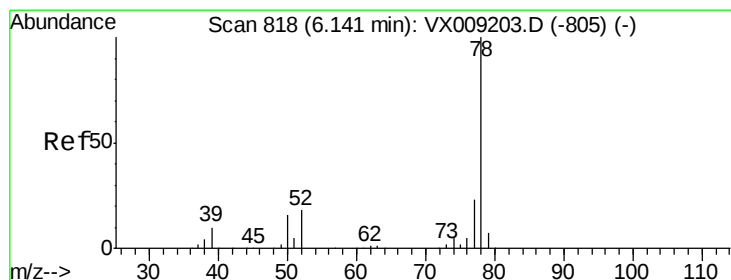
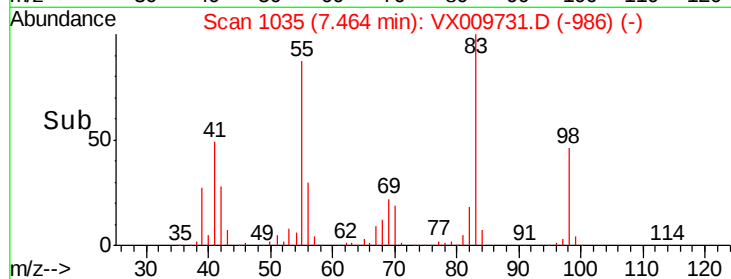
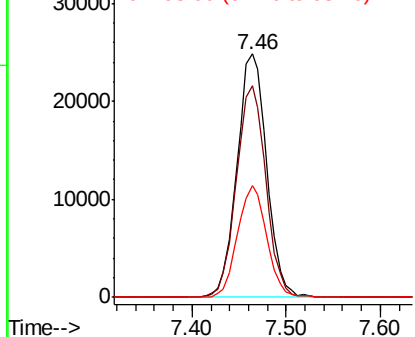
#39
Methvlcvclohexane
Concen: 20.070 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion: 83 Resp: 54750
Ion Ratio Lower Upper
83 100
55 87.0 67.7 101.5
98 45.7 35.5 53.3

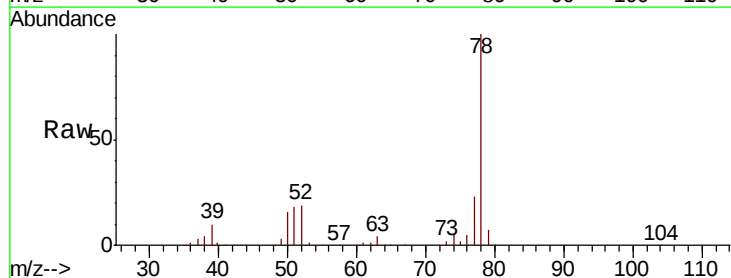


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

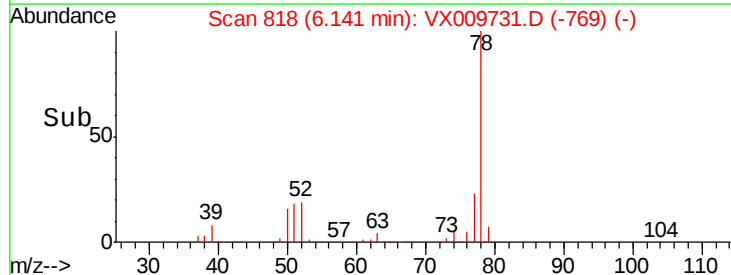
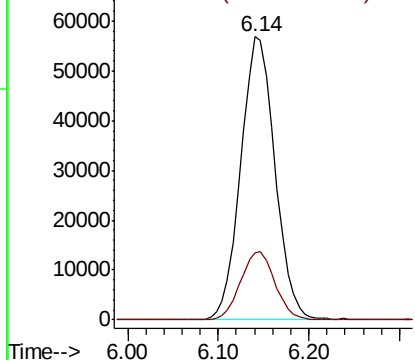


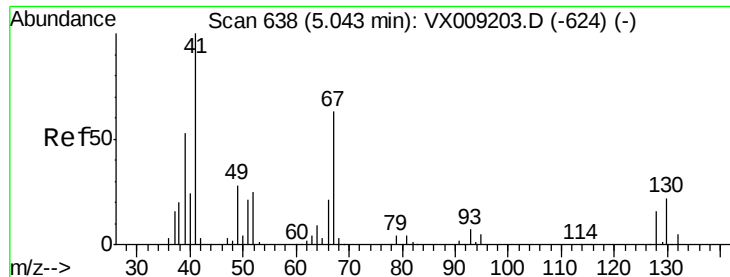
#40
Benzene
Concen: 21.643 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 78 Resp: 148790
Ion Ratio Lower Upper
78 100
77 23.5 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: 22.461 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

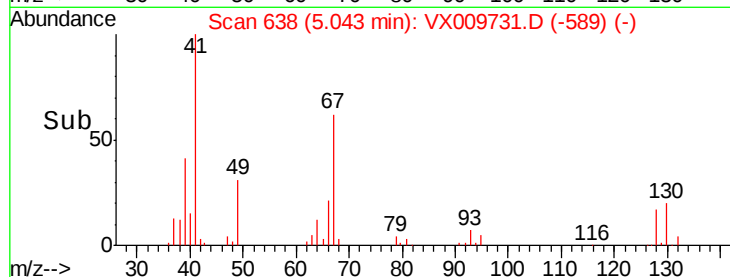
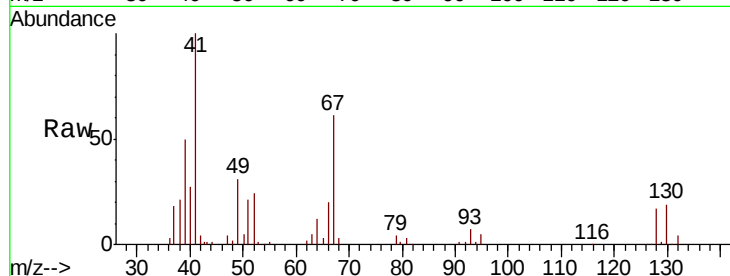
MSVOA_X

ClientSampleId :

VX0520WBSD01

Tot Ion: 41 Resp: 41380

Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.0	63.0
67	63.2	49.8	74.8
52	28.3	20.3	30.5

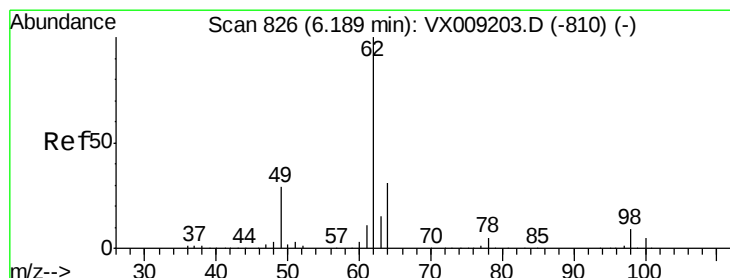


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 22.855 ug/l

RT: 6.20 min Scan# 827

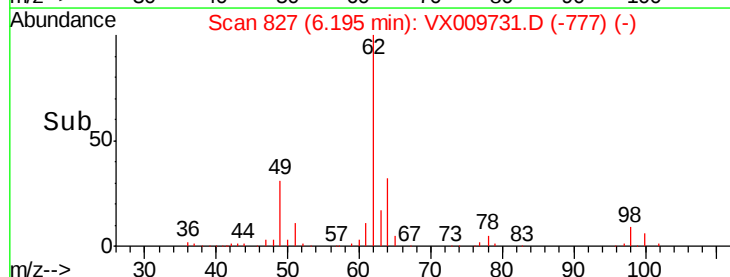
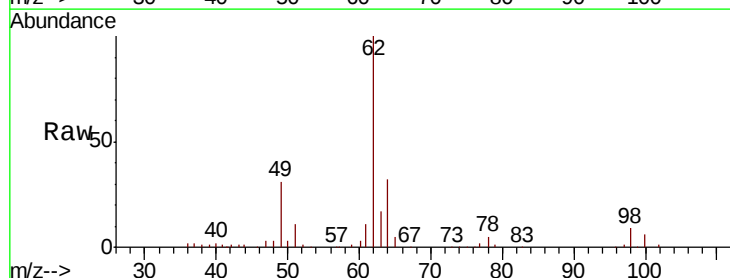
Delta R.T. 0.01 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

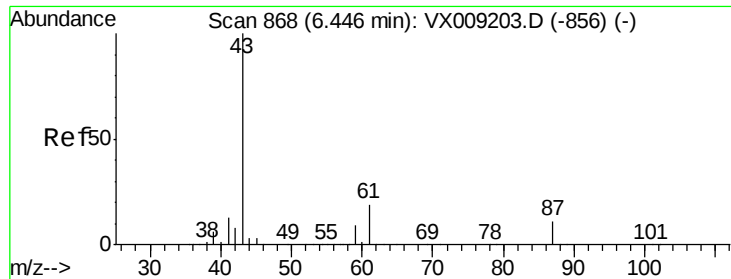
Tgt Ion: 62 Resp: 56360

Ion	Ratio	Lower	Upper
62	100		
98	9.0	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: 23.100 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

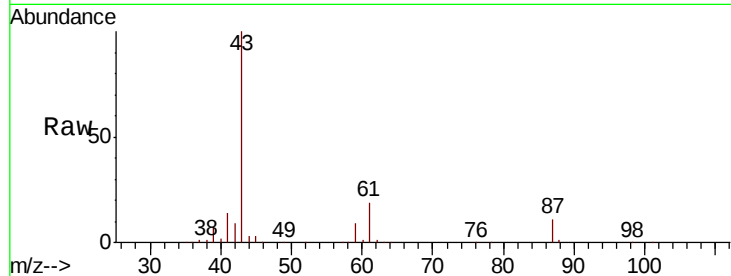
Tot Ion: 43 Resp: 114359

Ion Ratio Lower Upper

43 100

61 19.0 15.1 22.7

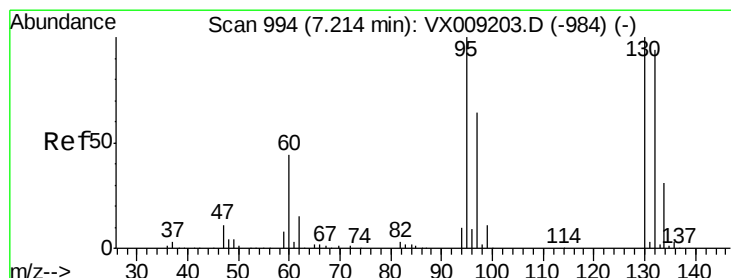
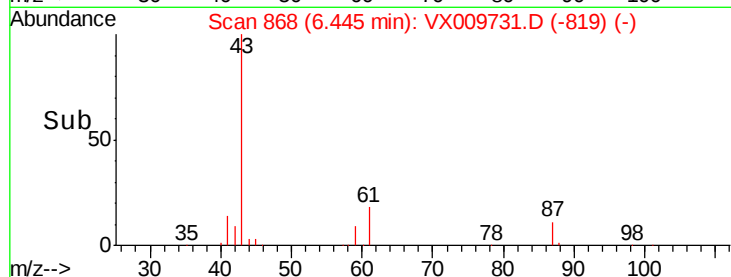
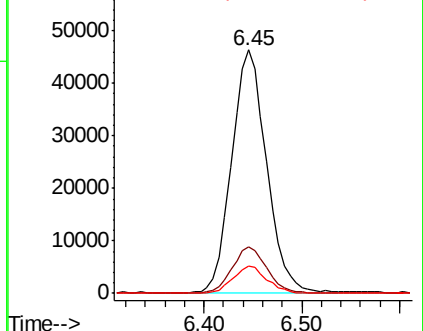
87 10.9 9.0 13.6



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: 21.380 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009731.D

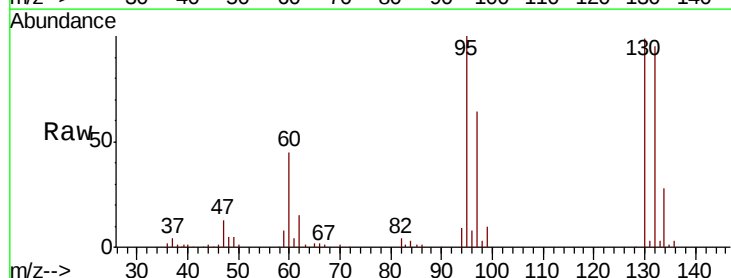
Acq: 20 May 2019 17:13

Tgt Ion:130 Resp: 35533

Ion Ratio Lower Upper

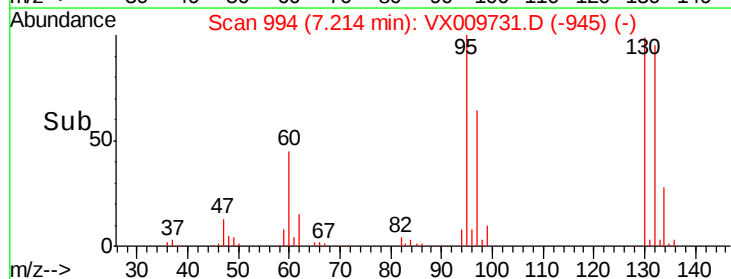
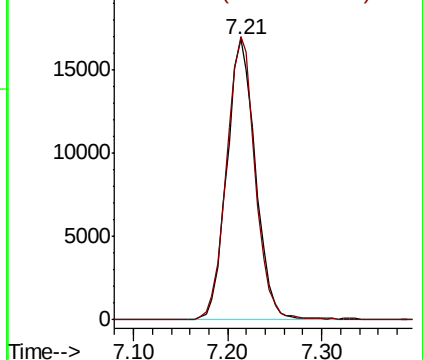
130 100

95 100.9 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

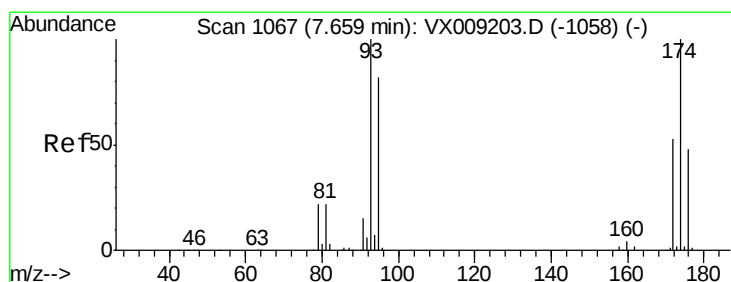
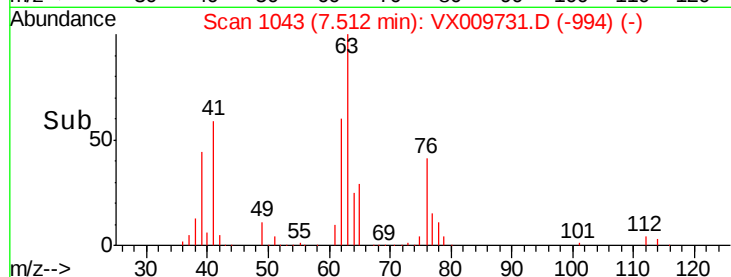
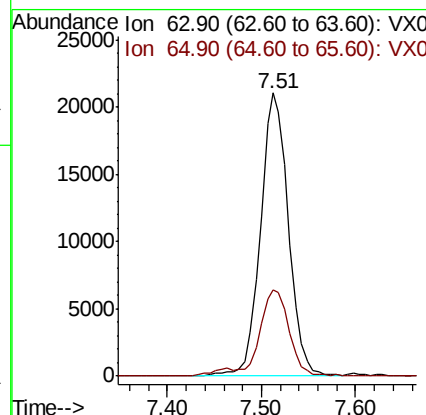
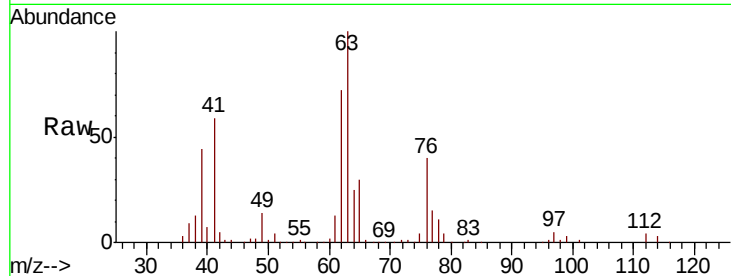




#45
 1,2-Dichloropropane
 Concen: 22.536 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

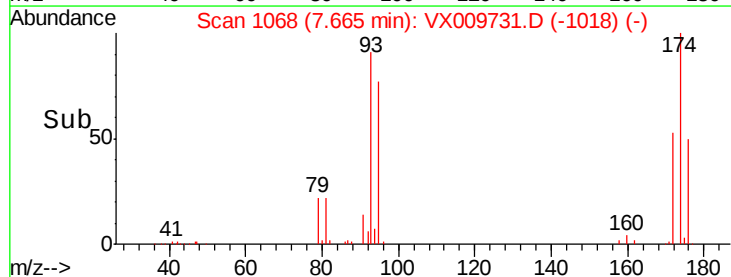
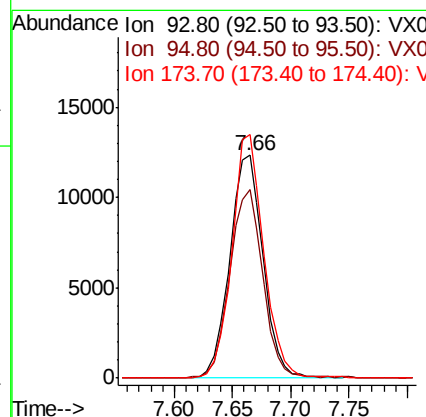
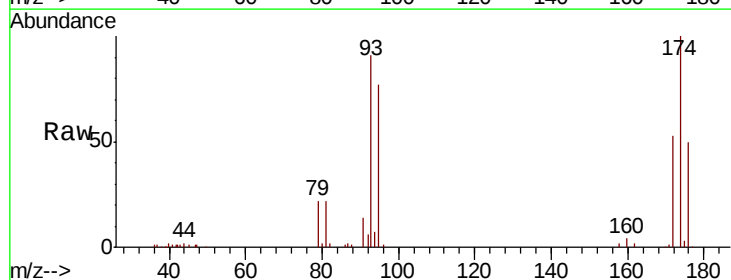
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion: 63 Resp: 43869
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 21.664 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 93 Resp: 24489
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 104.8 82.1 123.1





#47

Bromodichloromethane

Concen: 22.333 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

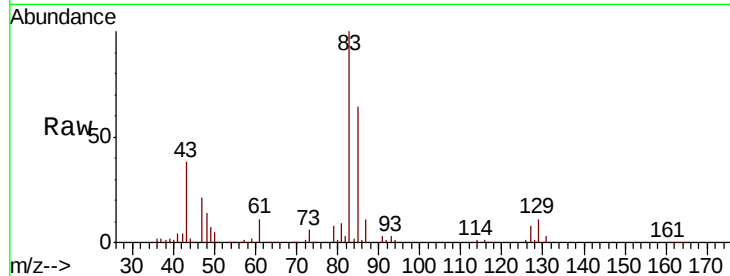
Tot Ion: 83 Resp: 50358

Ion Ratio Lower Upper

83 100

85 63.6 52.4 78.6

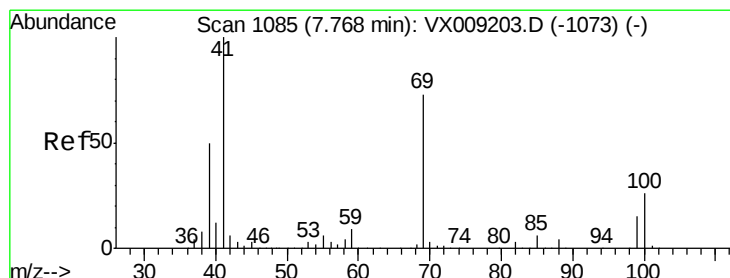
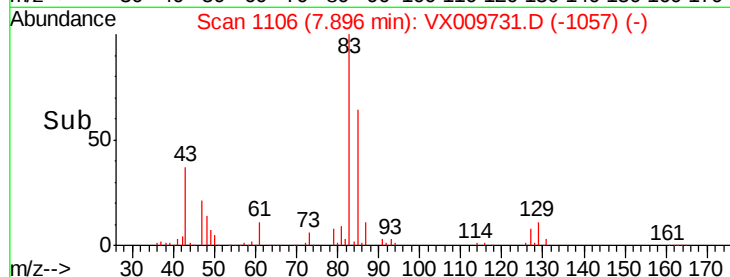
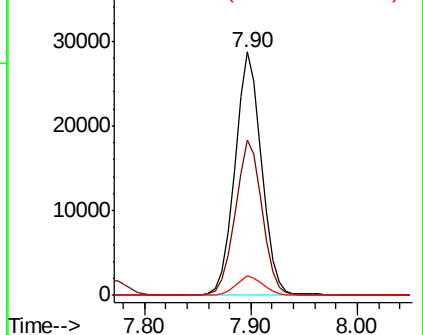
127 8.3 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.715 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

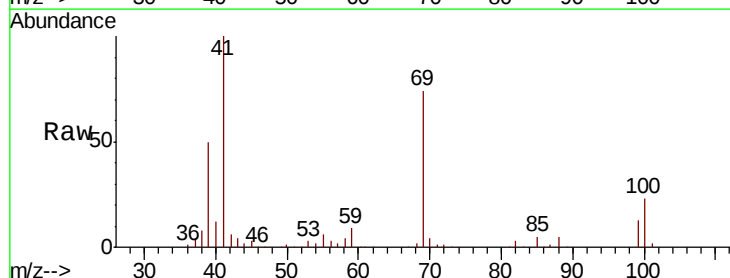
Tgt Ion: 41 Resp: 58246

Ion Ratio Lower Upper

41 100

69 72.2 59.1 88.7

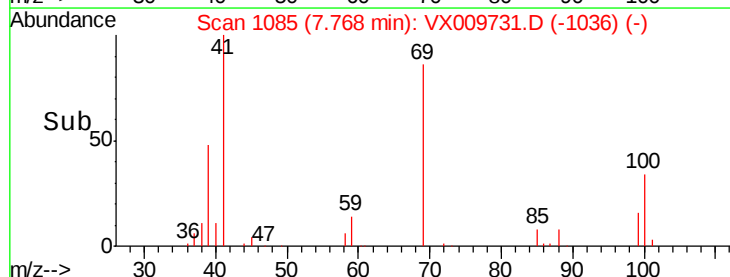
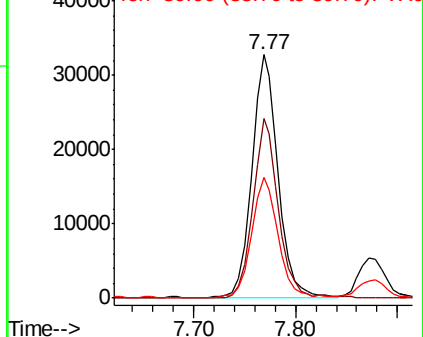
39 51.5 40.4 60.6

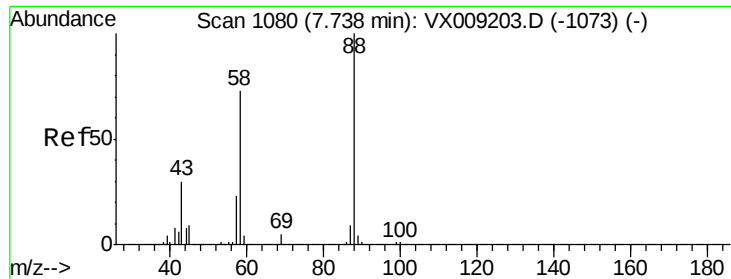


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

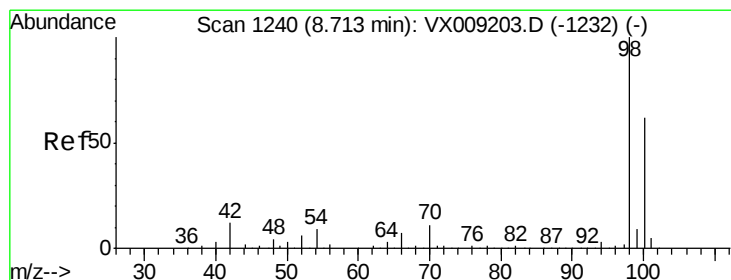
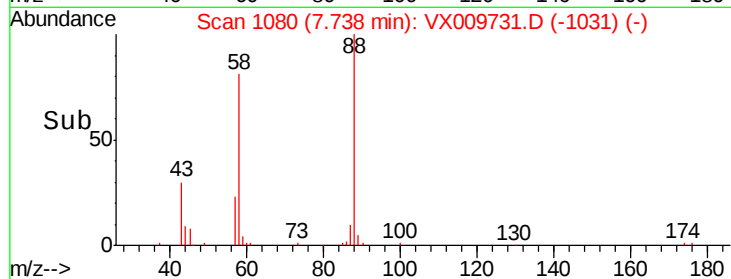
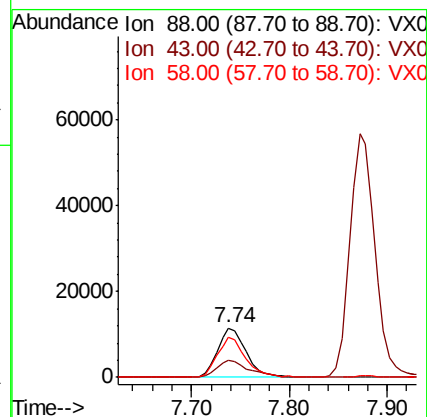
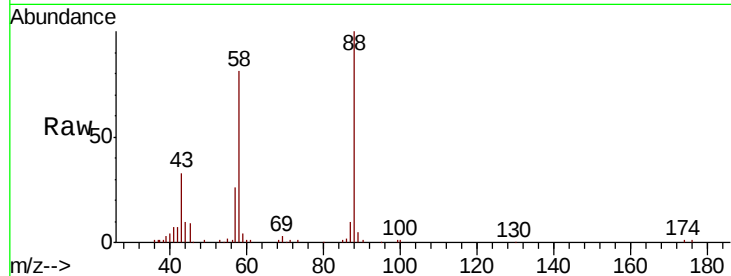




#49
1,4-Dioxane
Concen: 468.007 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

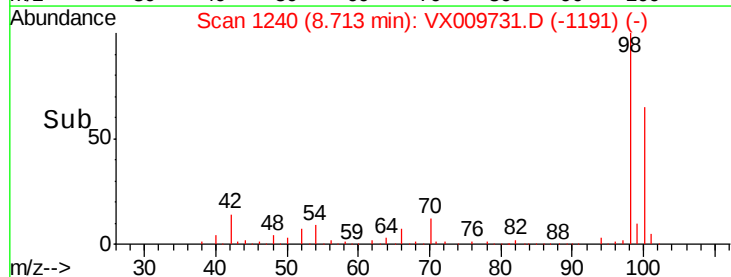
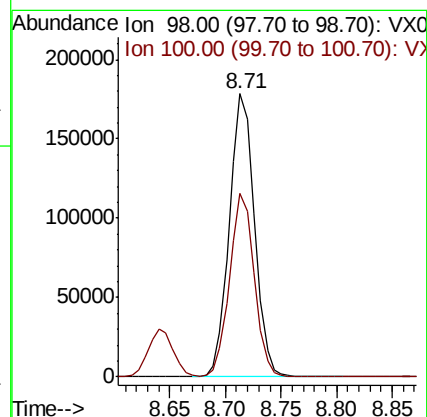
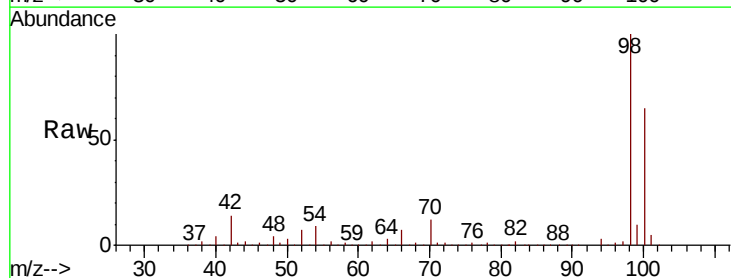
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

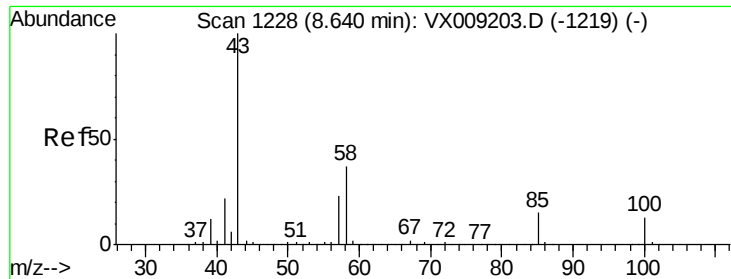
Tot Ion: 88 Resp: 23311
Ion Ratio Lower Upper
88 100
43 36.5 28.6 42.8
58 79.2 61.7 92.5



#50
Toluene-d8
Concen: 45.915 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 98 Resp: 278541
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 122.429 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

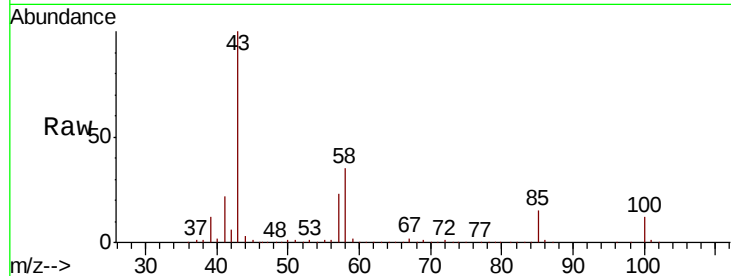
VX0520WBSD01

Tot Ion: 43 Resp: 396153

Ion Ratio Lower Upper

43 100

58 36.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

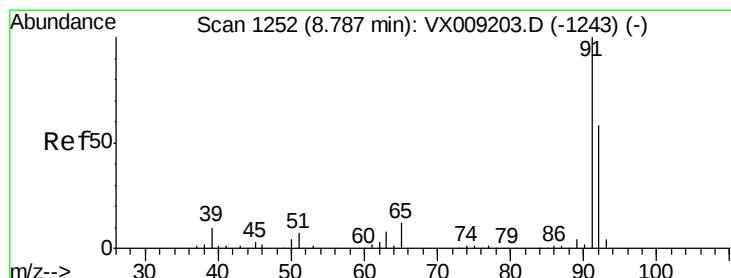
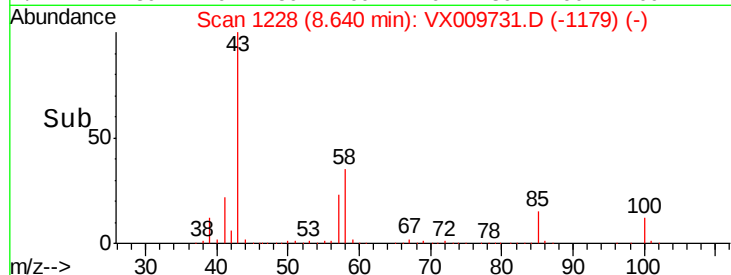
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 21.758 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009731.D

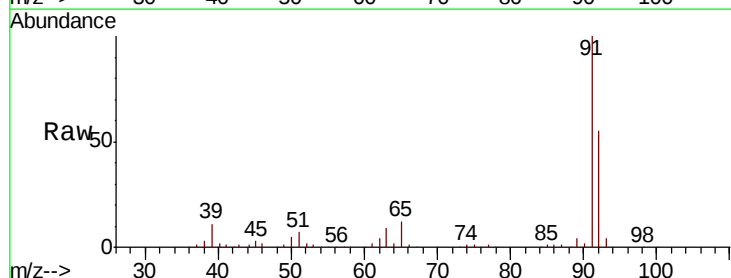
Acq: 20 May 2019 17:13

Tgt Ion: 92 Resp: 90923

Ion Ratio Lower Upper

92 100

91 174.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

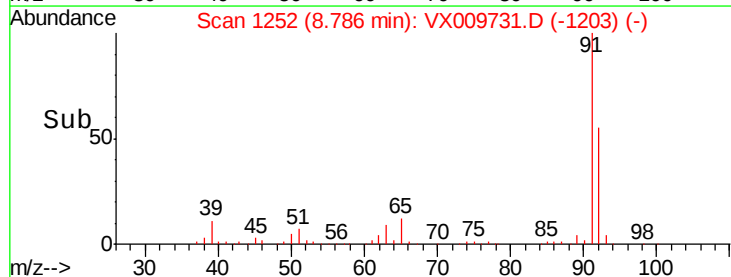
60000

40000

20000

0

Time--> 8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 21.568 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

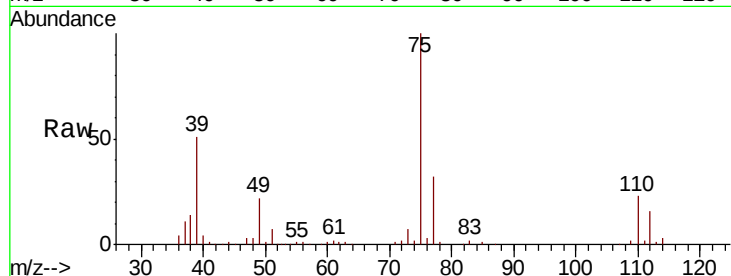
VX0520WBSD01

Tot Ion: 75 Resp: 54908

Ion Ratio Lower Upper

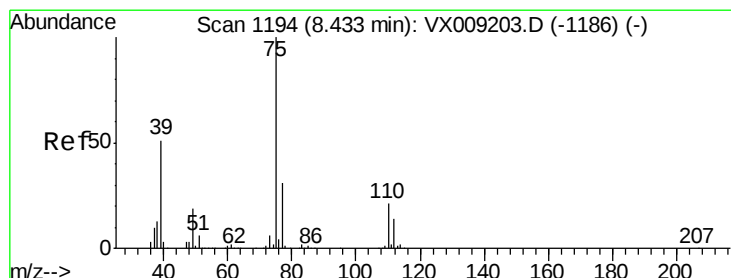
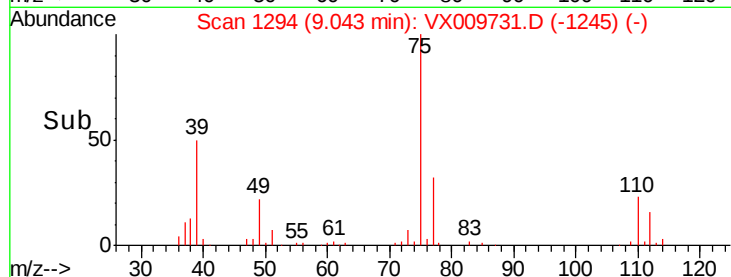
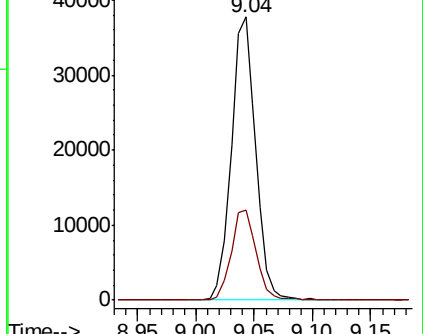
75 100

77 31.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 21.897 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

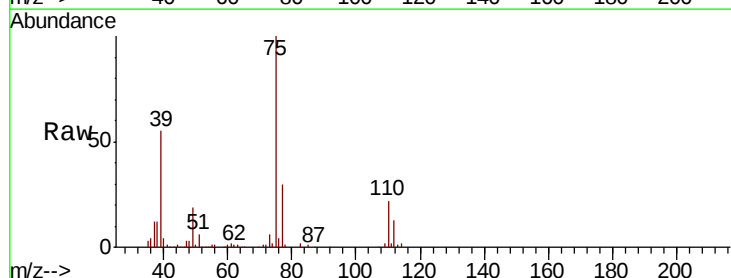
Tgt Ion: 75 Resp: 61702

Ion Ratio Lower Upper

75 100

77 29.6 24.6 36.8

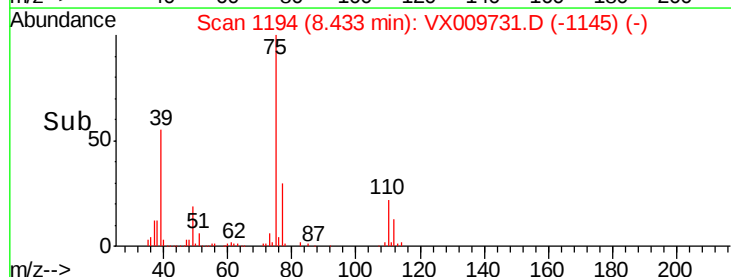
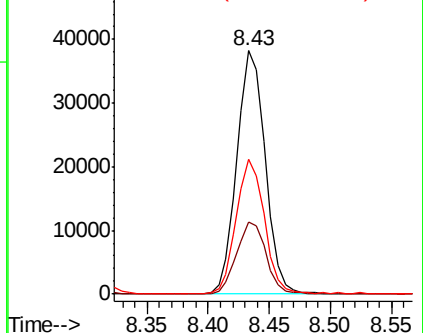
39 55.1 40.6 60.8



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

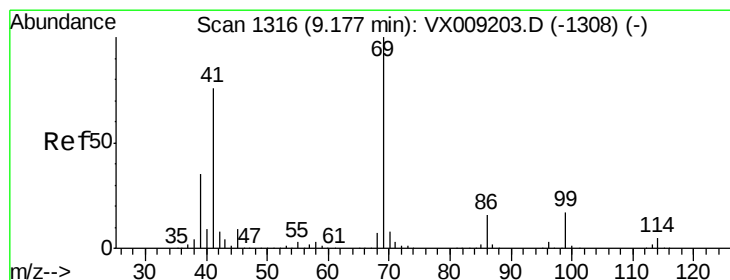
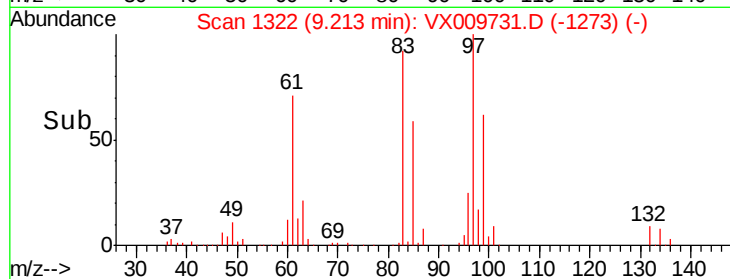
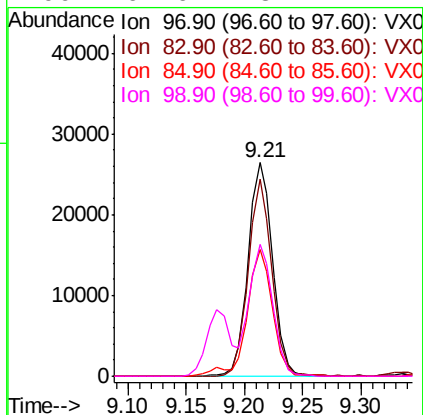
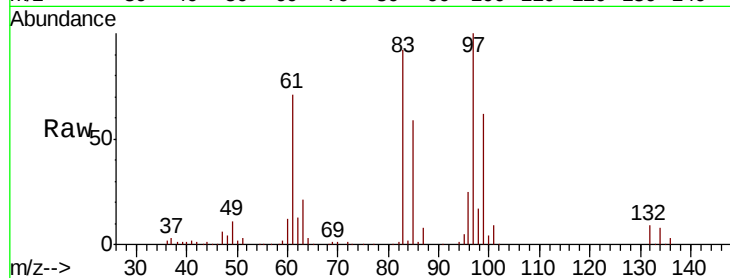




#55
 1,1,2-Trichloroethane
 Concen: 22.857 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

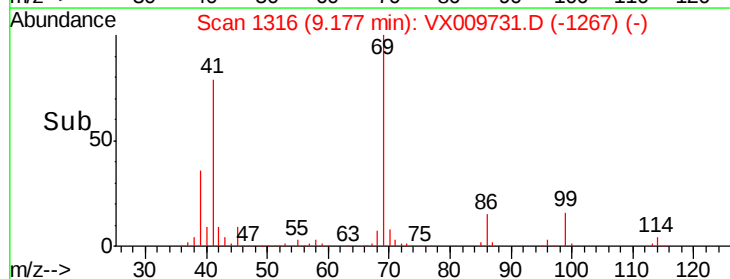
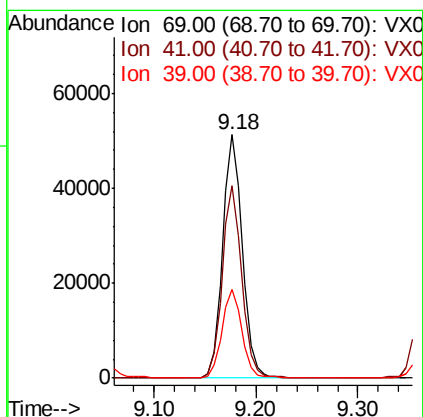
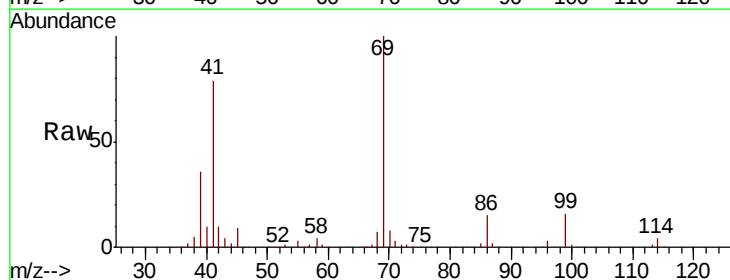
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

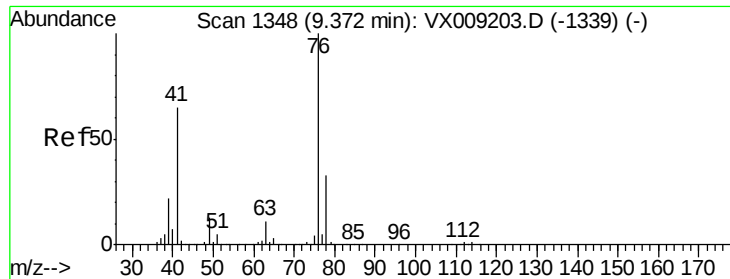
Tot Ion:	97	Resp:	38968
Ion	Ratio	Lower	Upper
97	100		
83	92.4	68.9	103.3
85	59.3	43.8	65.6
99	61.6	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 22.795 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion:	69	Resp:	69372
Ion	Ratio	Lower	Upper
69	100		
41	77.7	60.6	90.8
39	36.7	28.2	42.4





#57

1,3-Dichloropropane

Concen: 22.575 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

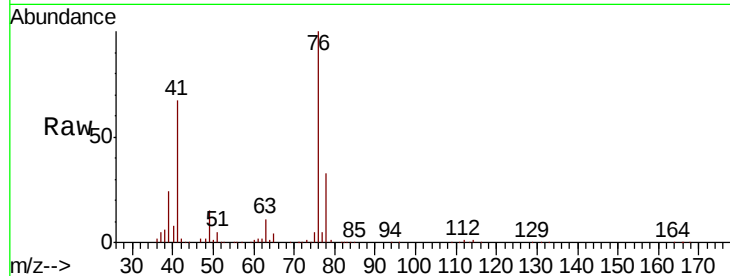
VX0520WBSD01

Tot Ion: 76 Resp: 67728

Ion Ratio Lower Upper

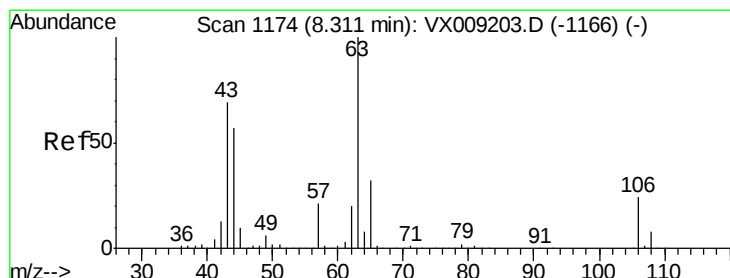
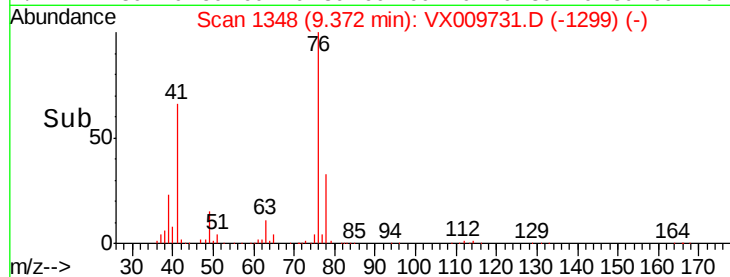
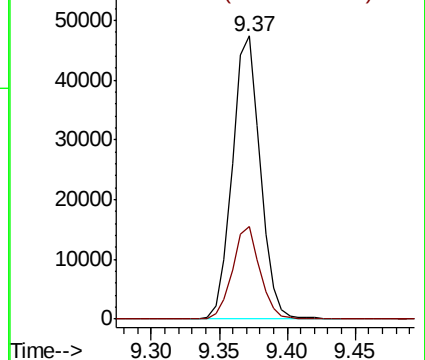
76 100

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: 87.503 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009731.D

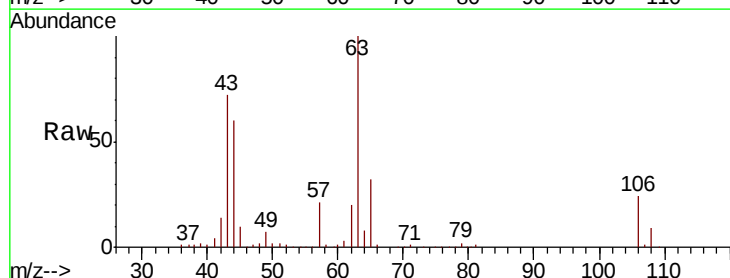
Acq: 20 May 2019 17:13

Tgt Ion: 63 Resp: 141270

Ion Ratio Lower Upper

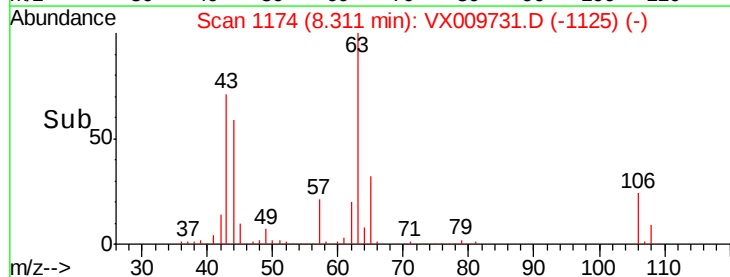
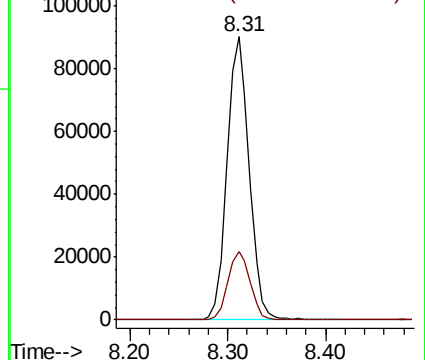
63 100

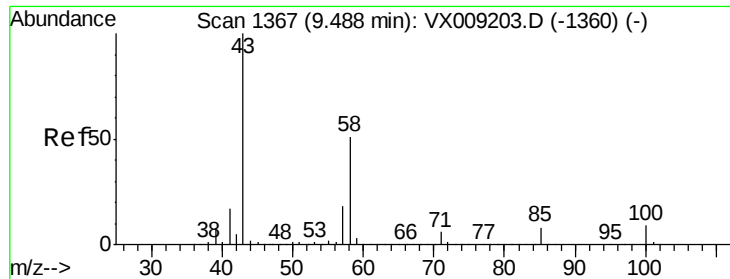
106 24.4 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

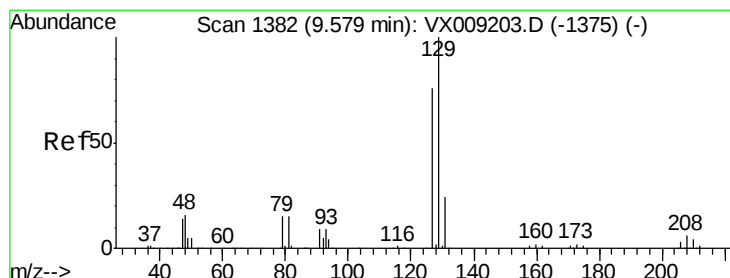
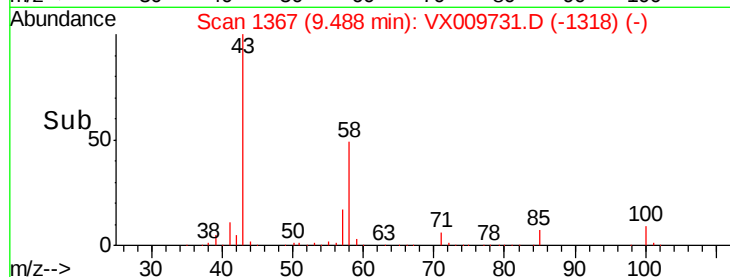
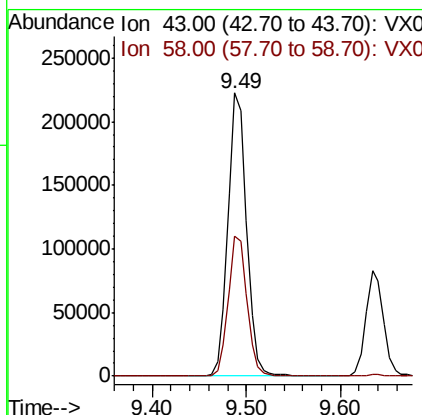
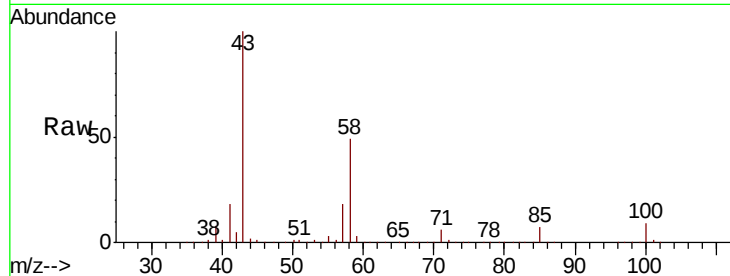




#59
 2-Hexanone
 Concen: 120.449 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

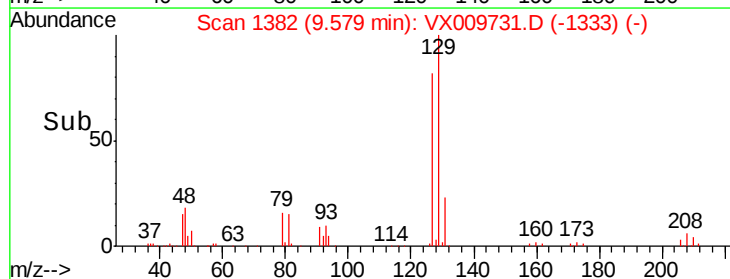
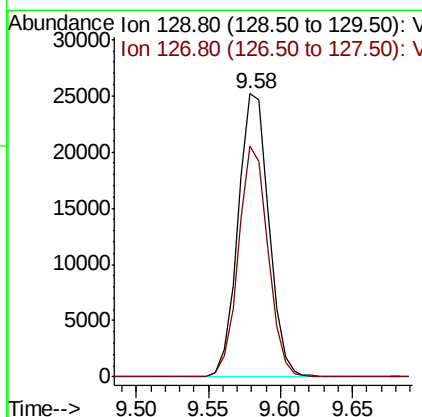
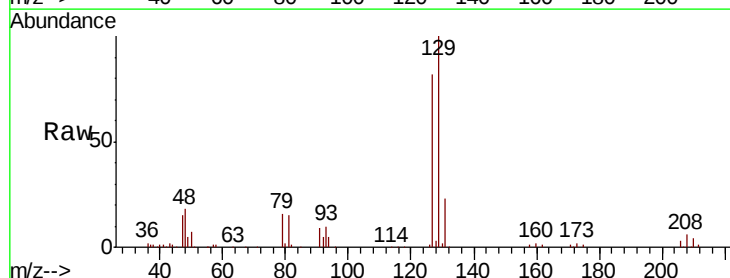
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

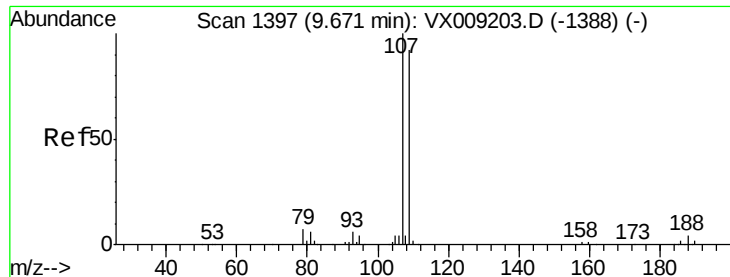
Tot Ion: 43 Resp: 306101
 Ion Ratio Lower Upper
 43 100
 58 50.2 25.9 77.7



#60
 Dibromochloromethane
 Concen: 22.414 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion:129 Resp: 37322
 Ion Ratio Lower Upper
 129 100
 127 78.3 38.4 115.1

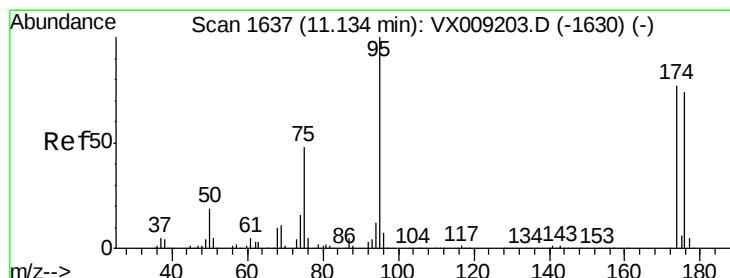
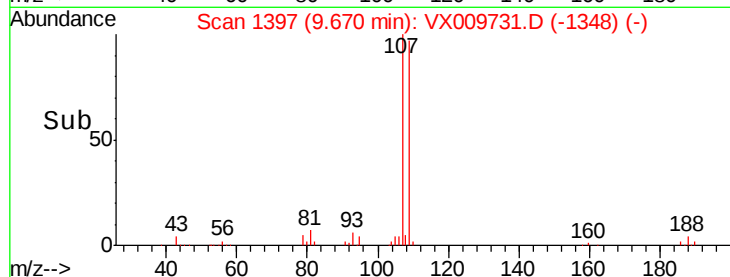
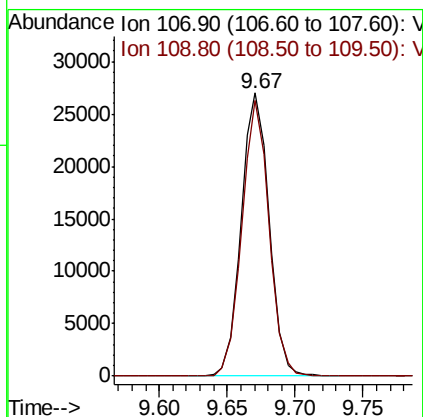
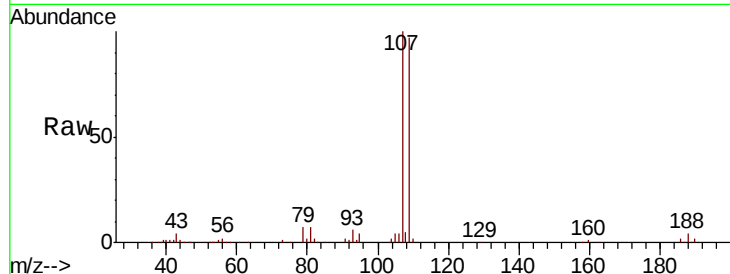




#61
 1,2-Dibromoethane
 Concen: 22.486 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

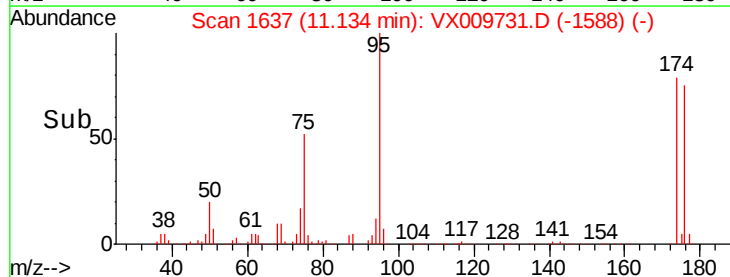
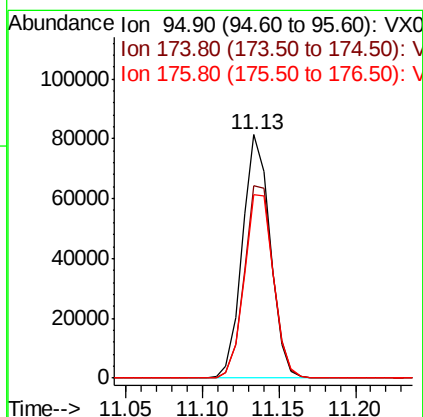
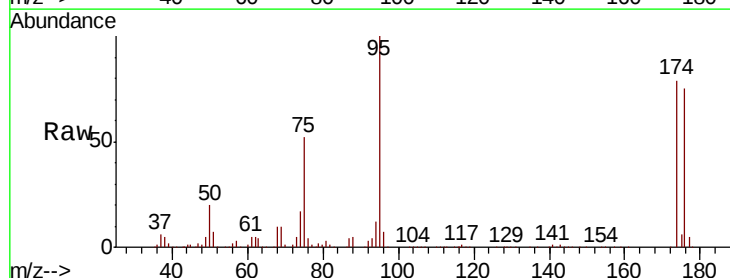
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

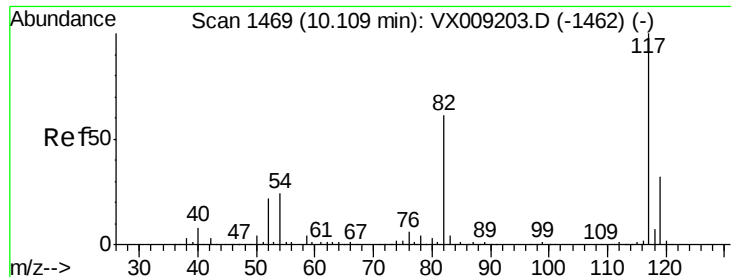
Tot Ion:107 Resp: 38697
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.486 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 95 Resp: 102470
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 161.6
 176 79.3 0.0 159.2

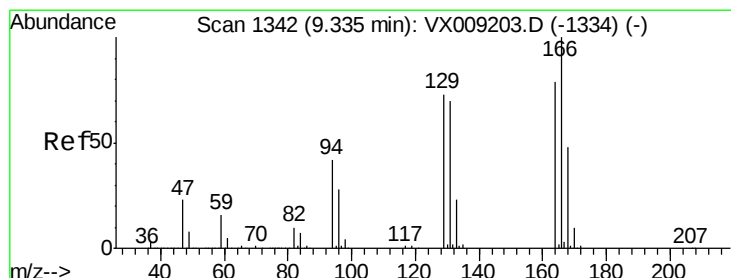
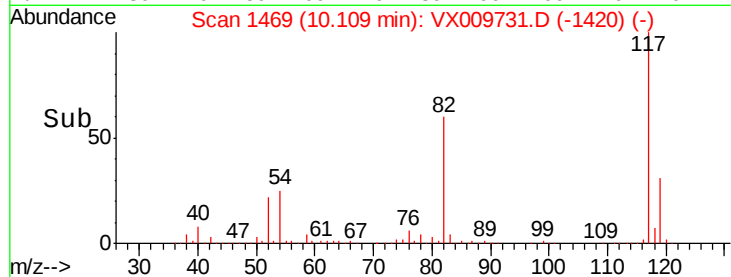
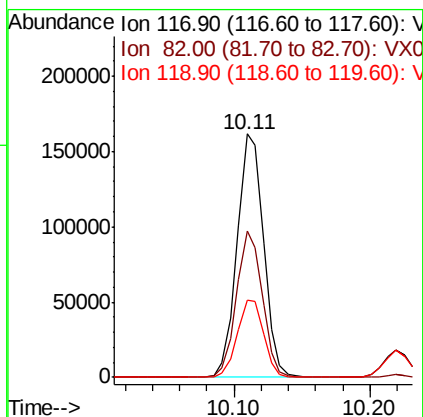
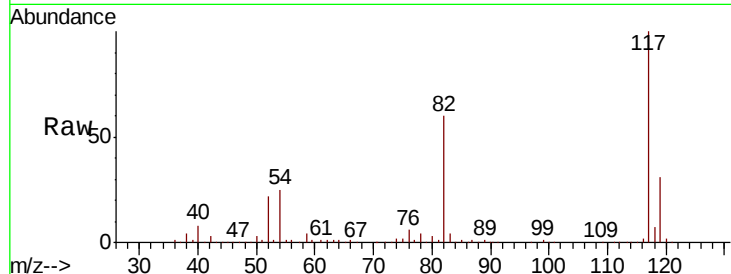




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

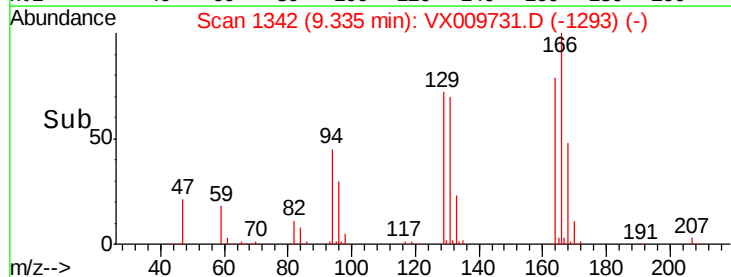
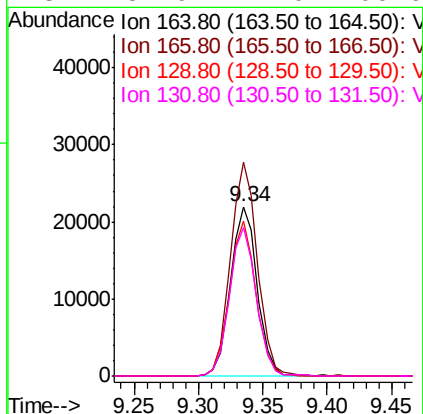
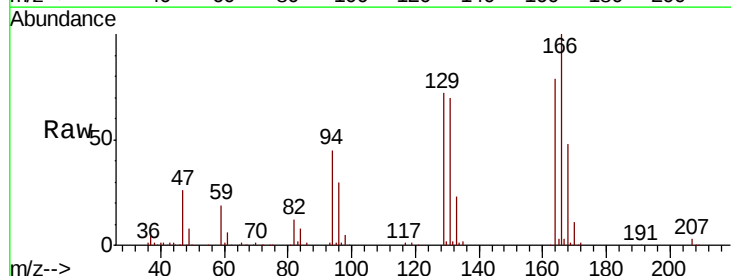
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

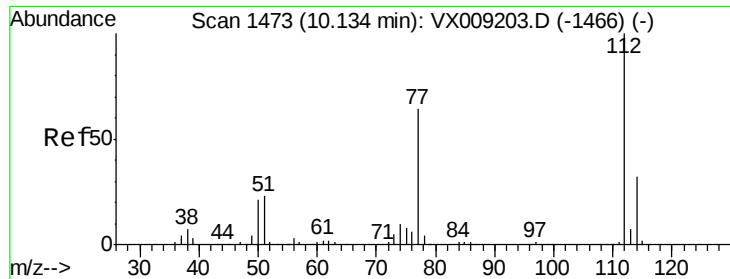
Tot Ion:117 Resp: 219096
Ion Ratio Lower Upper
117 100
82 59.9 48.8 73.2
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 21.168 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion:164 Resp: 31813
Ion Ratio Lower Upper
164 100
166 126.0 101.2 151.8
129 91.3 74.3 111.5
131 87.9 71.0 106.6

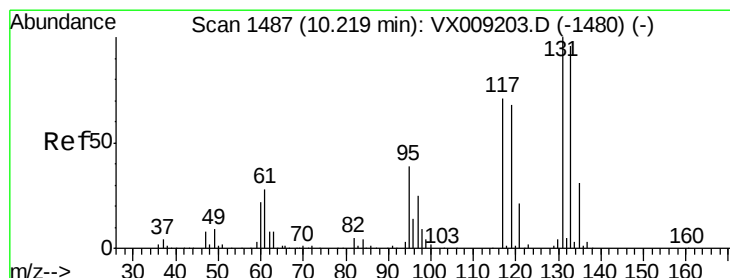
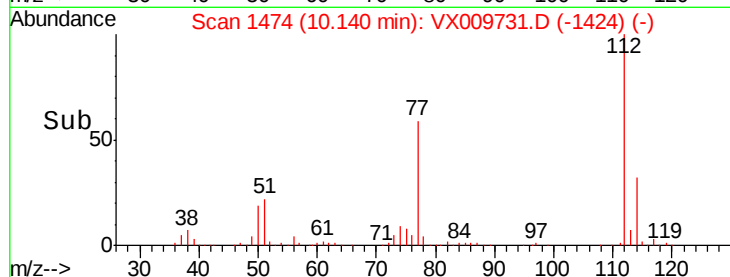
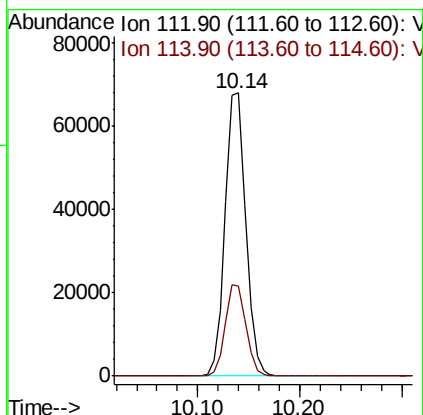
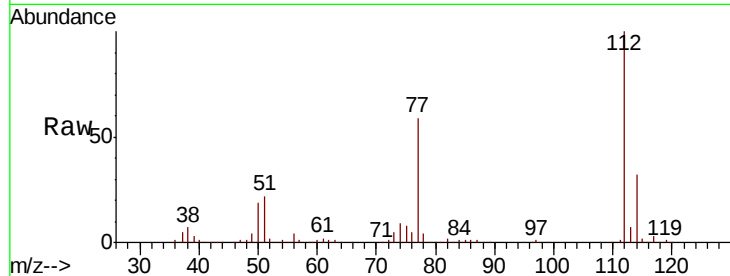




#65
Chlorobenzene
Concen: 21.962 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

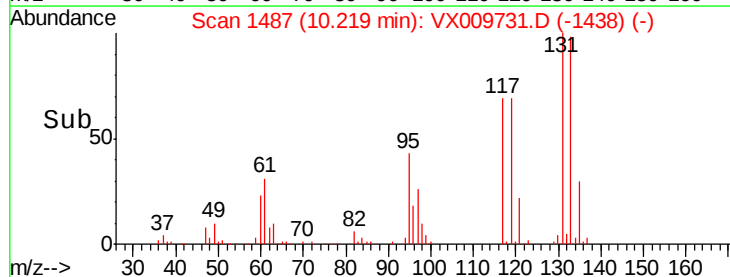
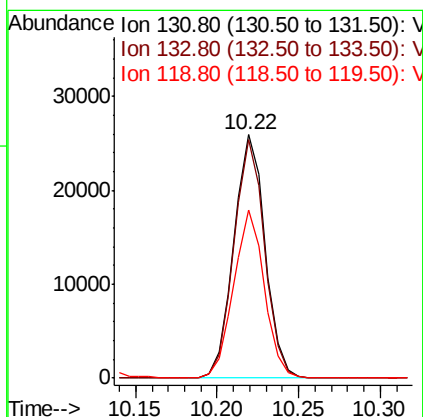
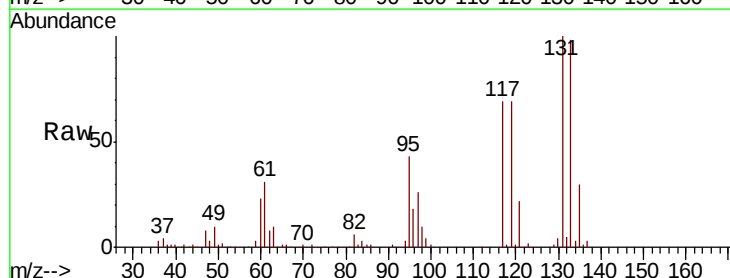
Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

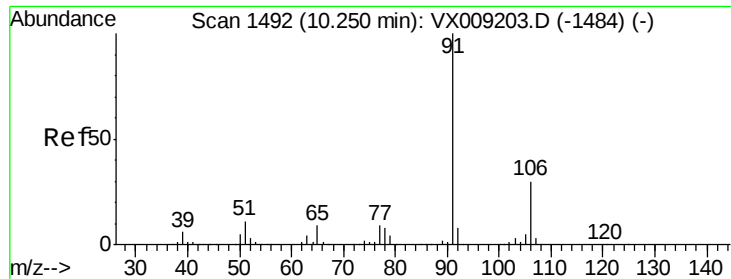
Tot Ion:112 Resp: 96259
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.789 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion:131 Resp: 34623
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 68.0 33.5 100.4





#67

Ethyl Benzene

Concen: 21.548 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

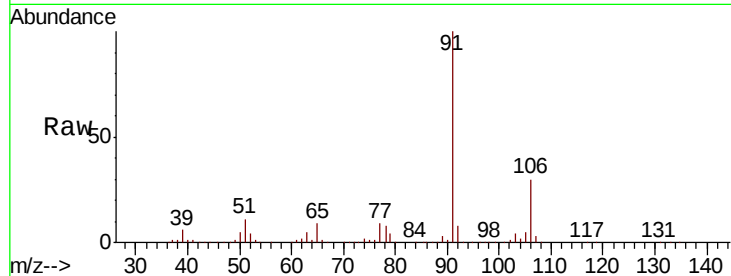
VX0520WBSD01

Tot Ion: 91 Resp: 173809

Ion Ratio Lower Upper

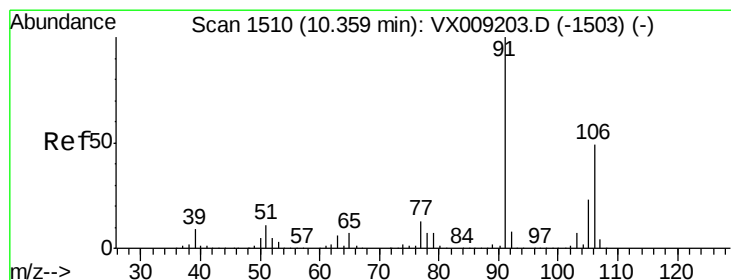
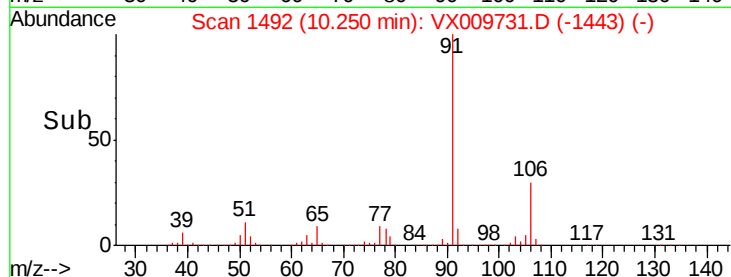
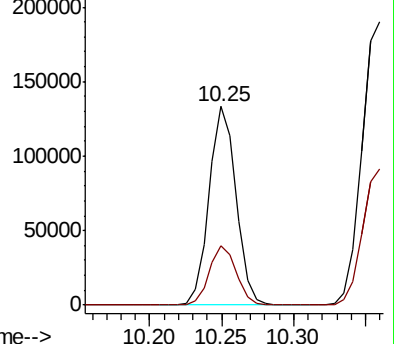
91 100

106 29.9 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.609 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009731.D

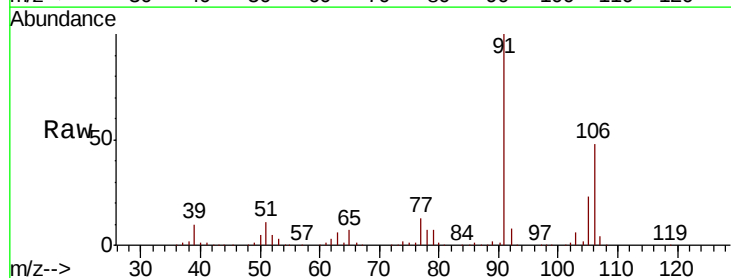
Acq: 20 May 2019 17:13

Tgt Ion:106 Resp: 125596

Ion Ratio Lower Upper

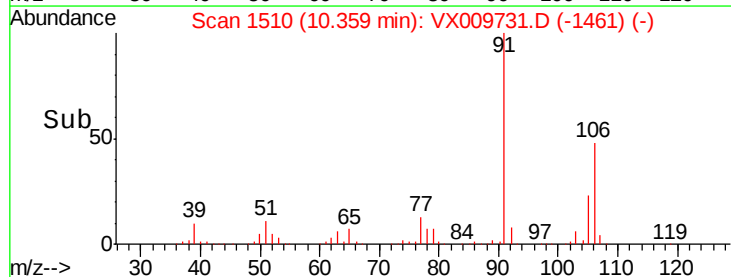
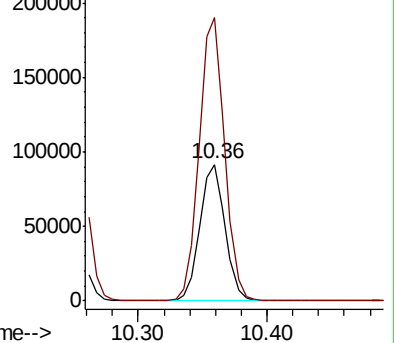
106 100

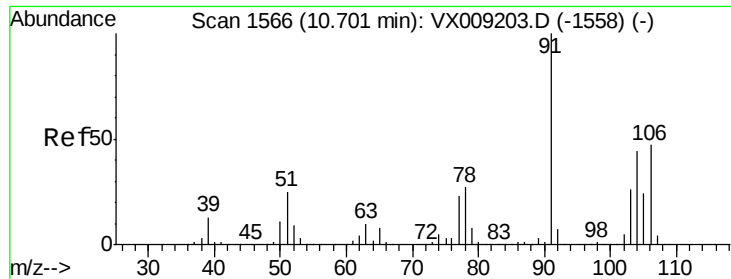
91 209.1 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

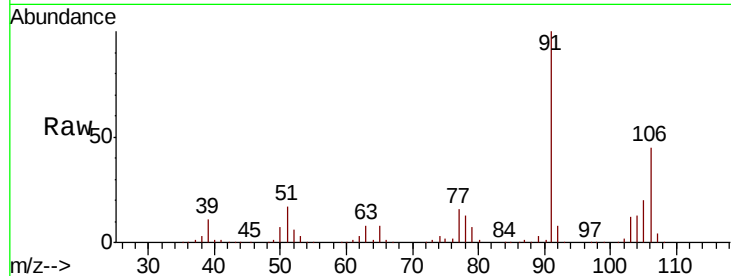




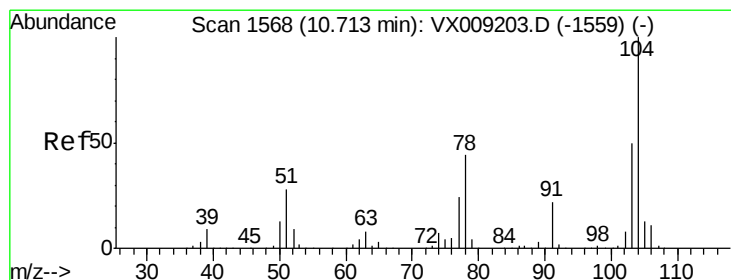
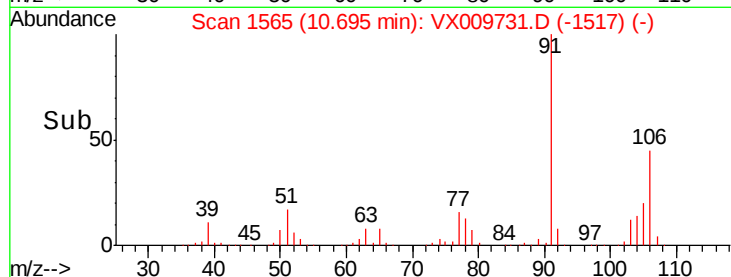
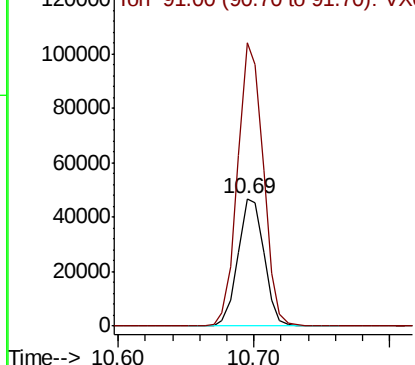
#69
o-Xylene
Concen: 21.486 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleId :
VX0520WBSD01

Tot Ion:106 Resp: 62487
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4

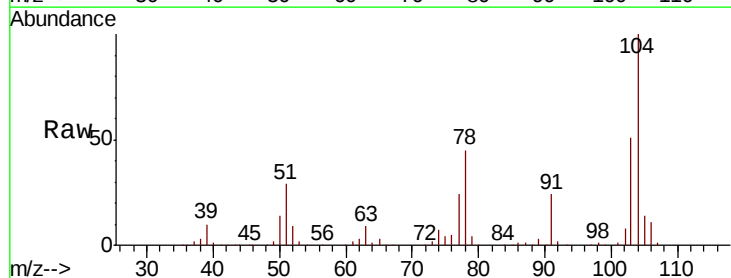


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

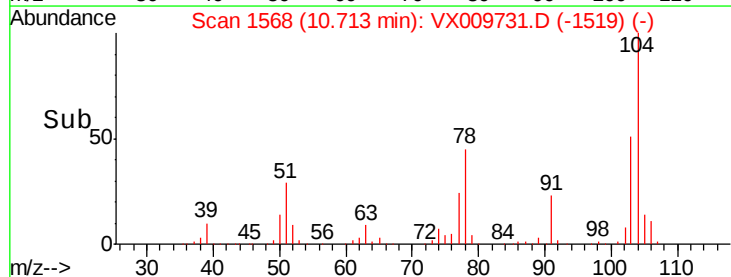
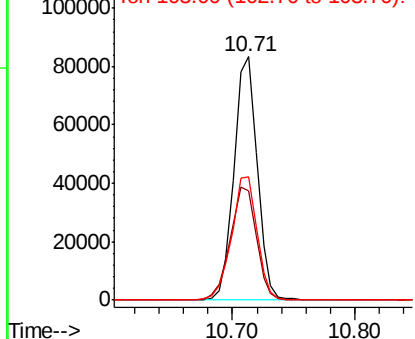


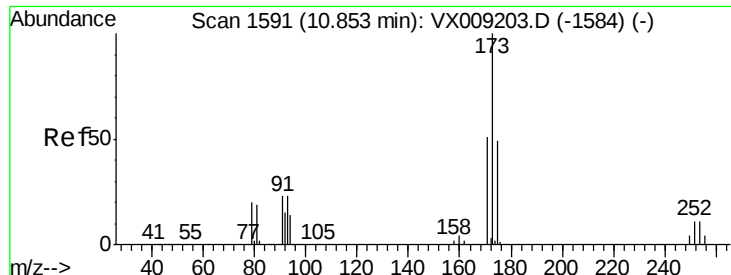
#70
Styrene
Concen: 21.559 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion:104 Resp: 108976
Ion Ratio Lower Upper
104 100
78 52.7 41.0 61.4
103 55.9 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: 21.220 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

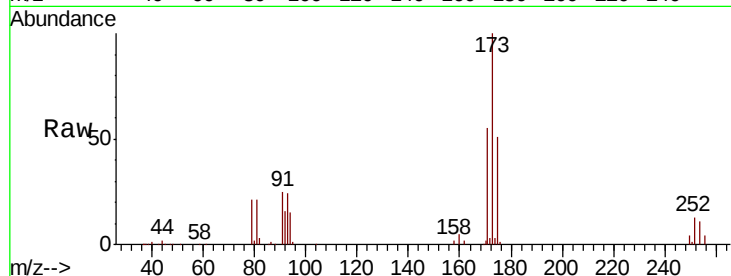
Tot Ion:173 Resp: 27401

Ion Ratio Lower Upper

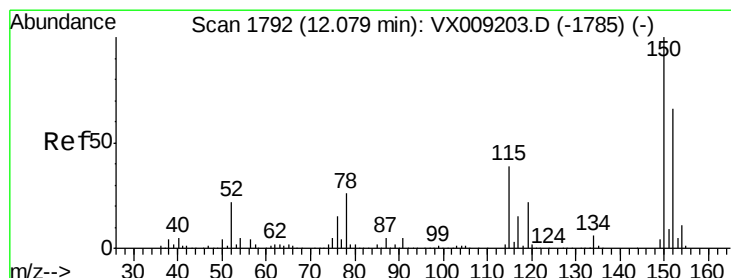
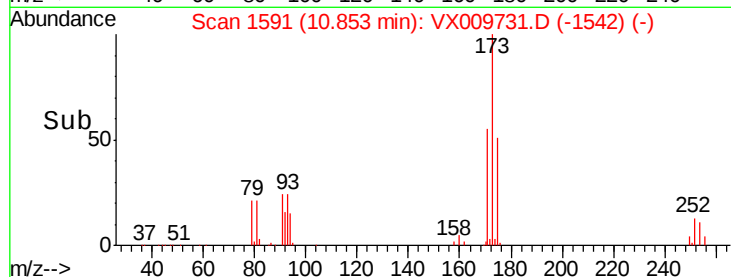
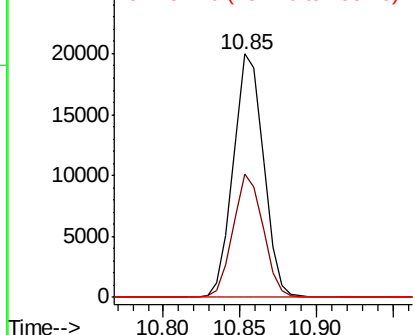
173 100

175 50.1 24.5 73.5

254 0.0 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: VX009731.D

Acq: 20 May 2019 17:13

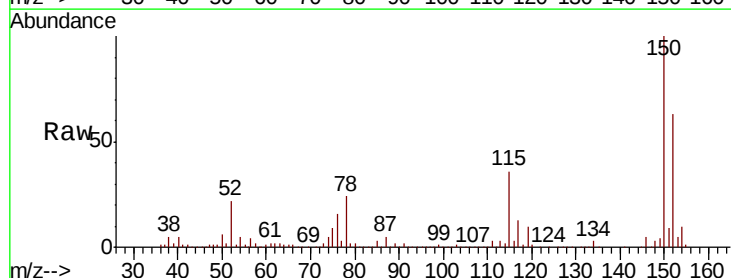
Tgt Ion:152 Resp: 107326

Ion Ratio Lower Upper

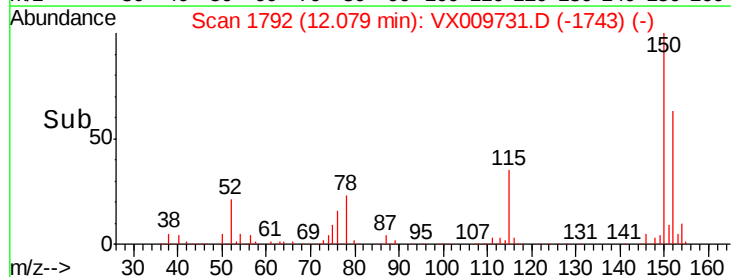
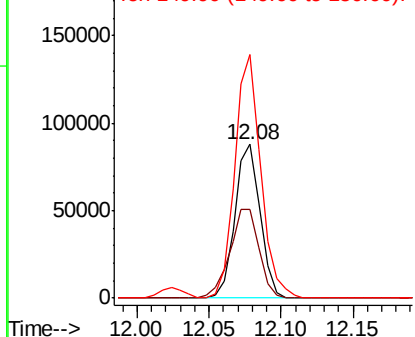
152 100

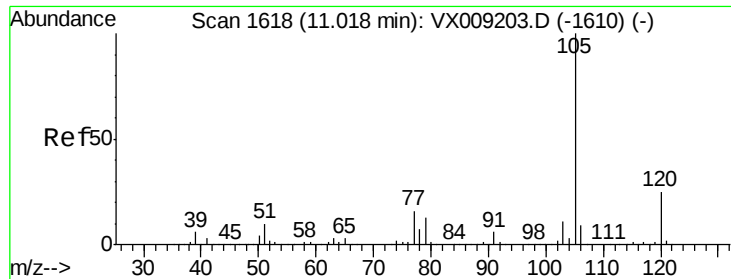
115 67.5 41.2 123.6

150 163.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.251 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

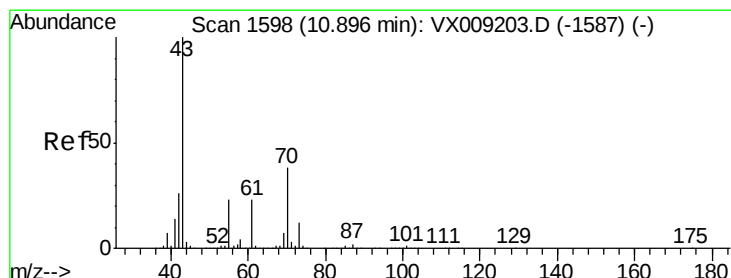
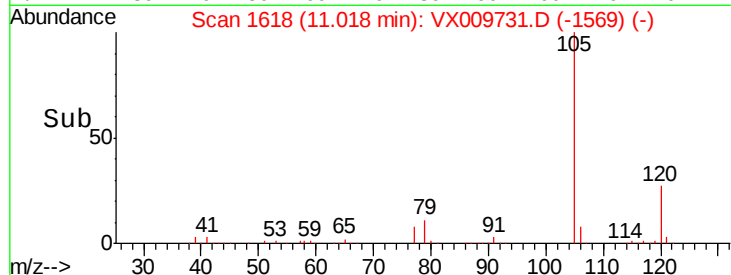
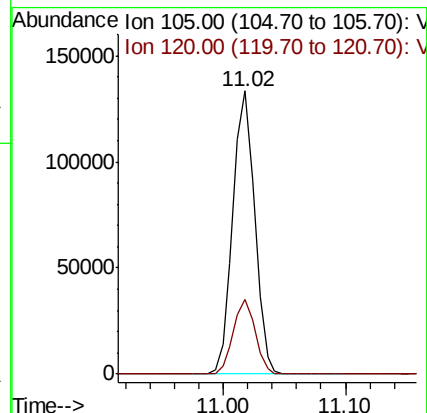
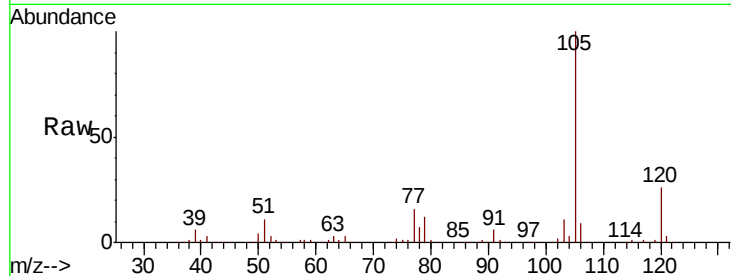
VX0520WBSD01

Tot Ion:105 Resp: 165856

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 22.324 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Tgt Ion: 43 Resp: 101579

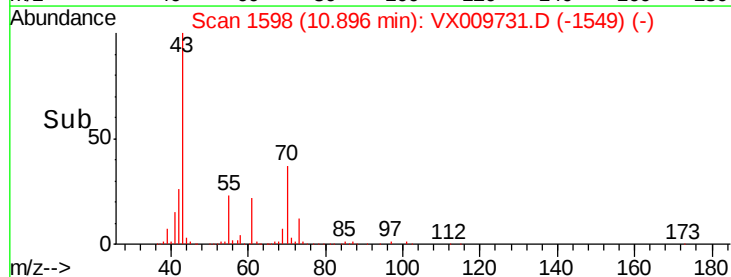
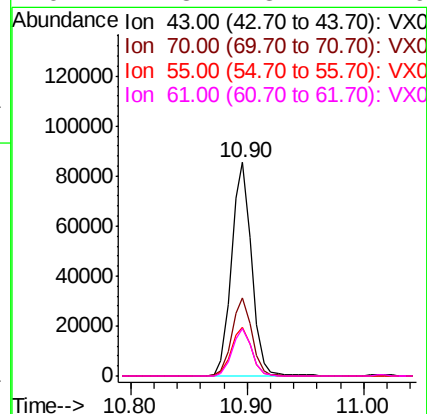
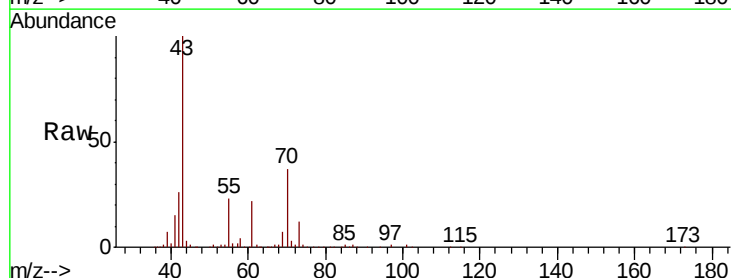
Ion Ratio Lower Upper

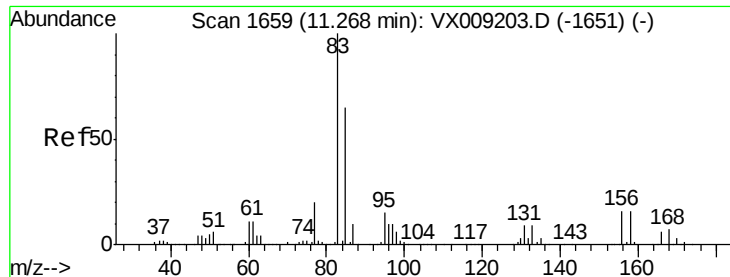
43 100

70 36.7 30.0 45.0

55 23.2 17.9 26.9

61 21.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.382 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

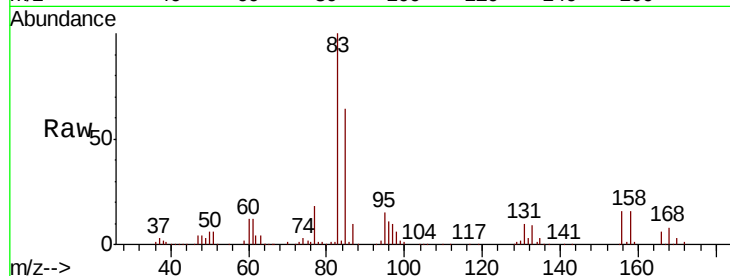
Tot Ion: 83 Resp: 65118

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	64.3	32.0	96.2

83 100

131 9.7 4.6 13.8

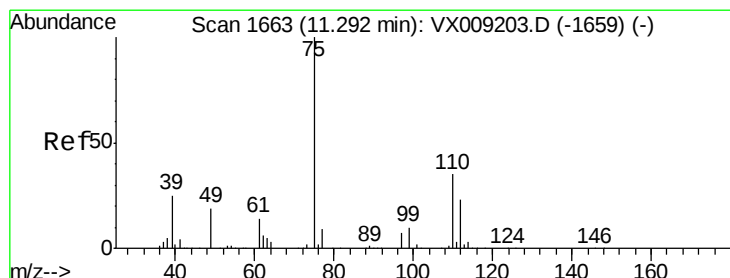
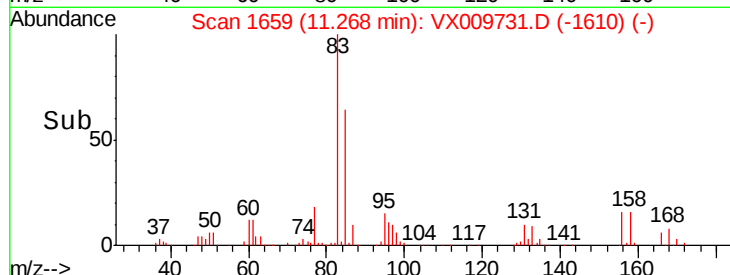
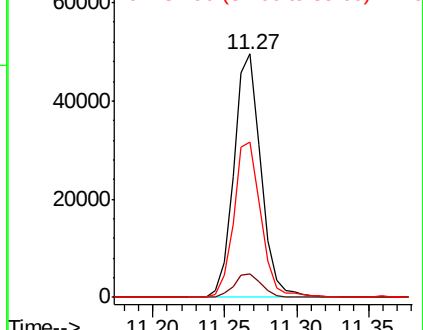
85 64.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 30.240 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009731.D

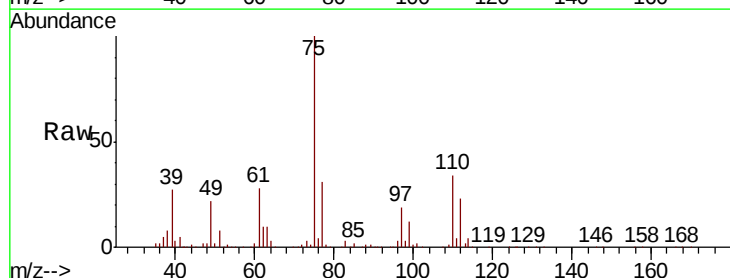
Acq: 20 May 2019 17:13

Tgt Ion: 75 Resp: 75285

Ion	Ratio	Lower	Upper
75	100		
77	32.5	22.1	66.1

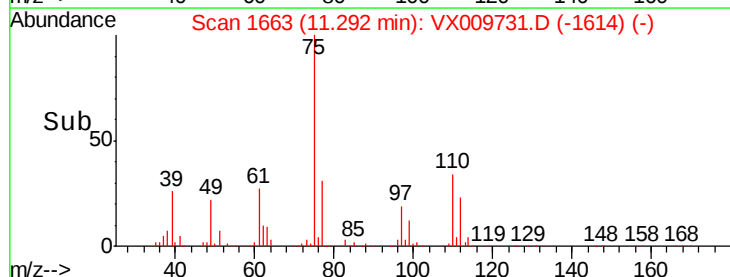
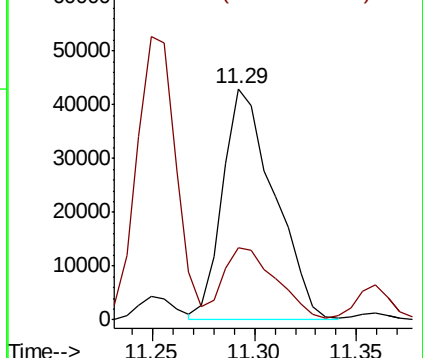
75 100

77 32.5 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: 21.752 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

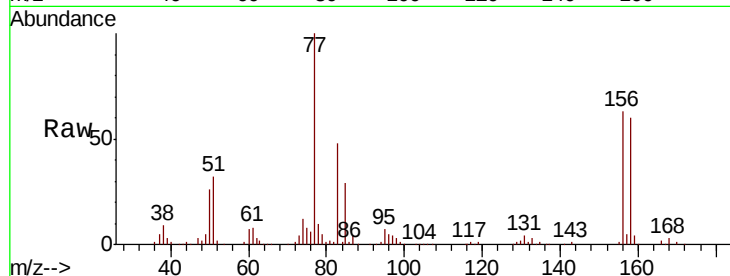
Tot Ion:156 Resp: 42137

Ion Ratio Lower Upper

156 100

77 167.3 84.8 254.3

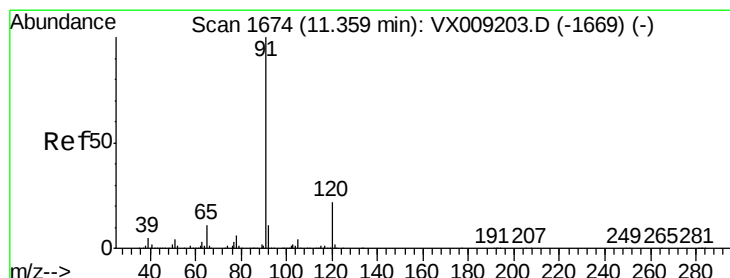
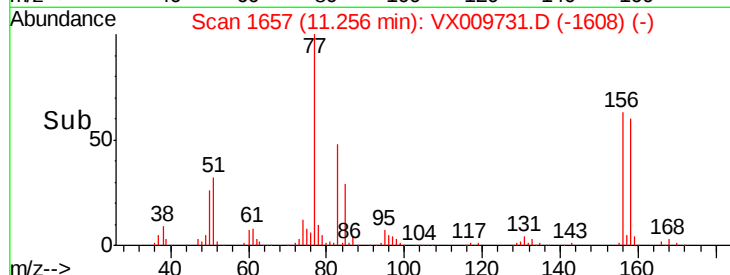
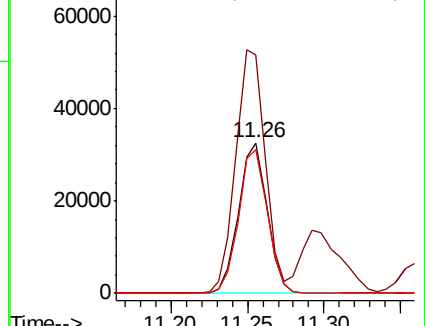
158 96.8 49.1 147.3



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: 21.160 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009731.D

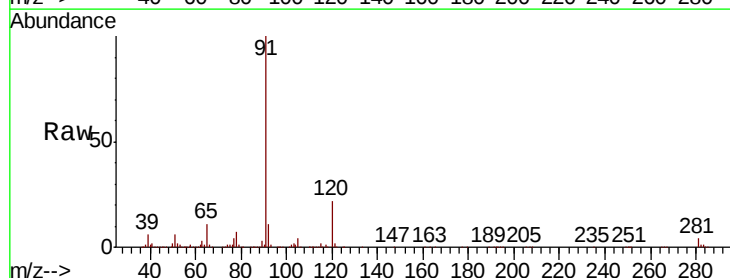
Acq: 20 May 2019 17:13

Tgt Ion: 91 Resp: 188601

Ion Ratio Lower Upper

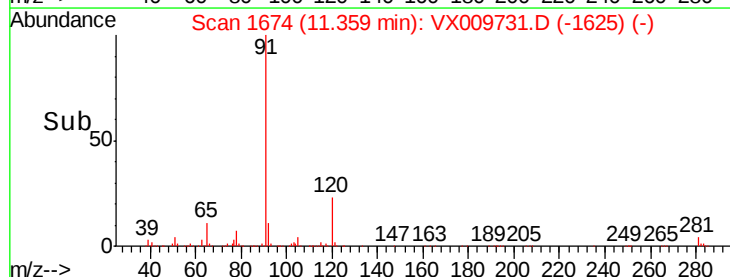
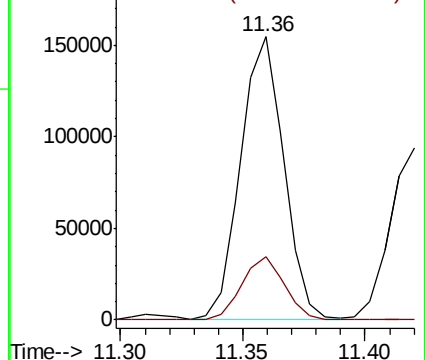
91 100

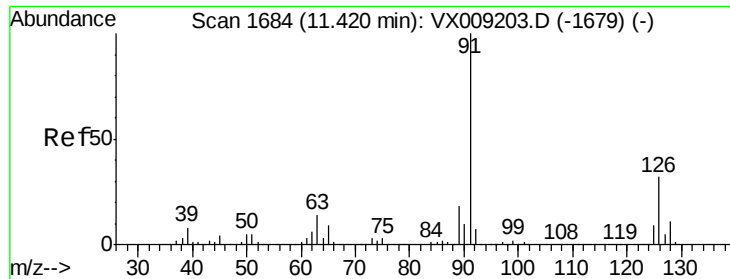
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.142 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

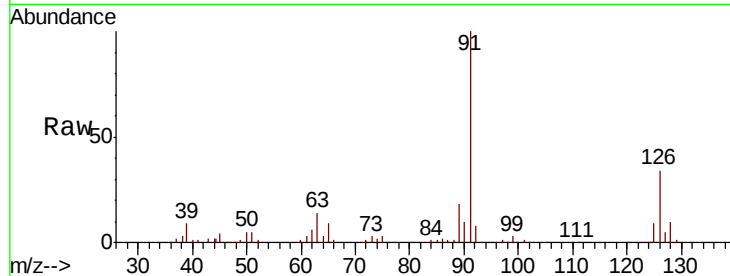
VX0520WBSD01

Tot Ion: 91 Resp: 116261

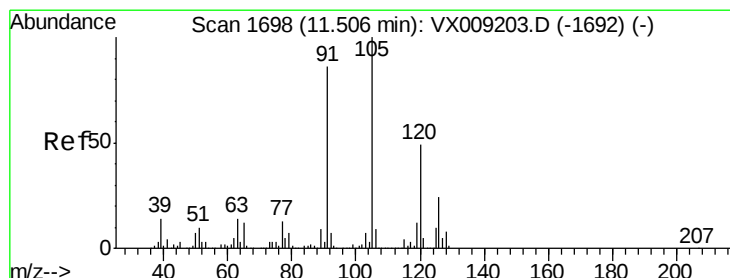
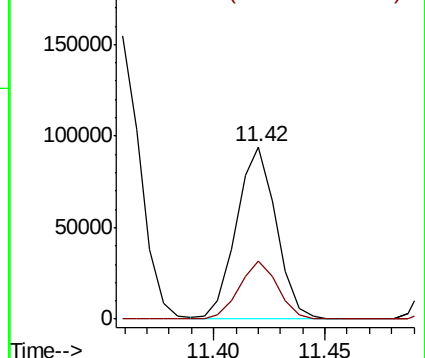
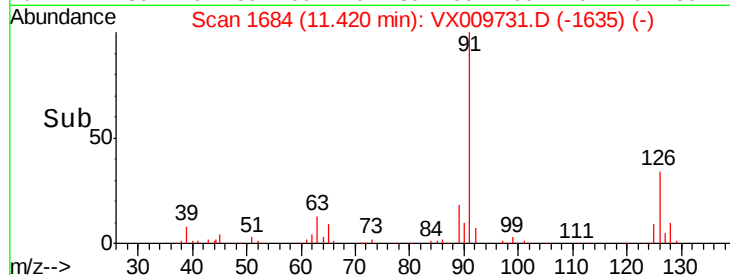
Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009731.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.375 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009731.D

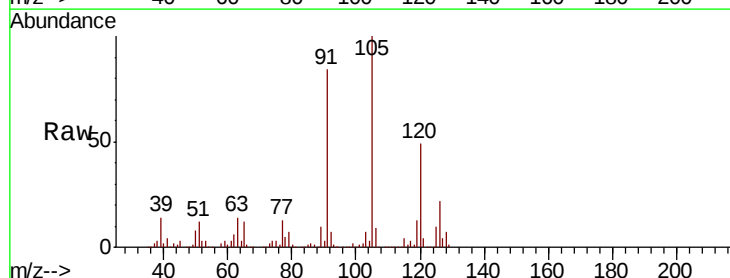
Acq: 20 May 2019 17:13

Tgt Ion:105 Resp: 140467

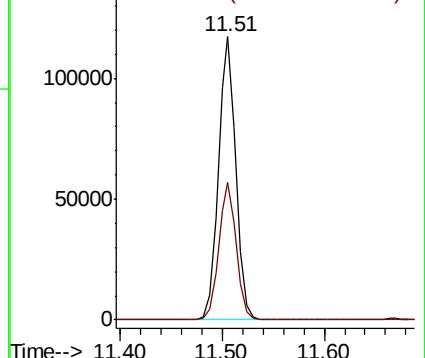
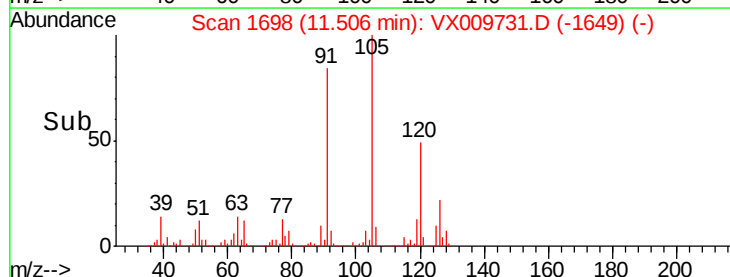
Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009731.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.624 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampled :

VX0520WBSD01

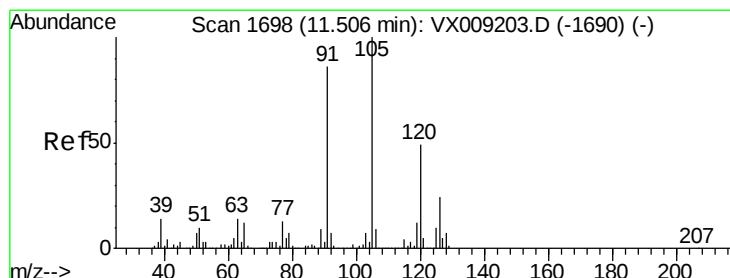
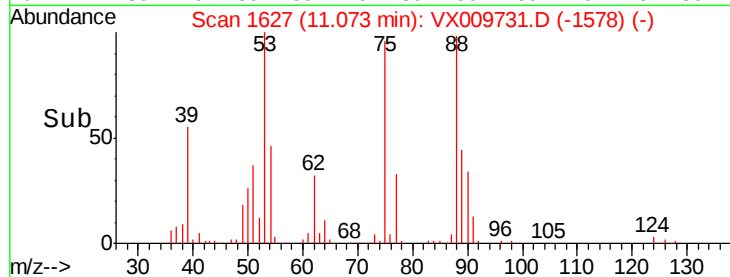
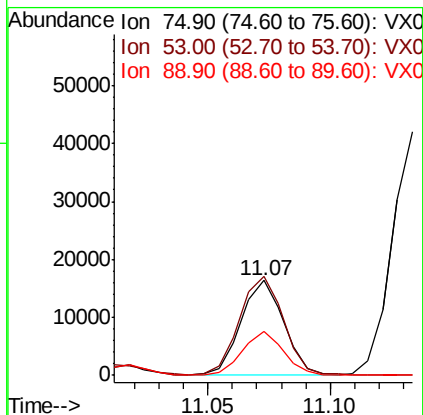
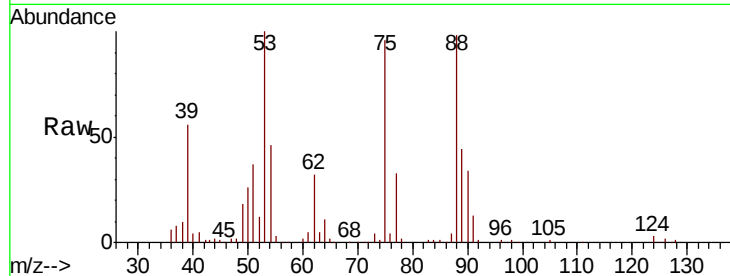
Tot Ion: 75 Resp: 20067

Ion Ratio Lower Upper

75 100

53 105.7 79.0 118.6

89 44.6 34.7 52.1



#82

4-Chlorotoluene

Concen: 21.357 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009731.D

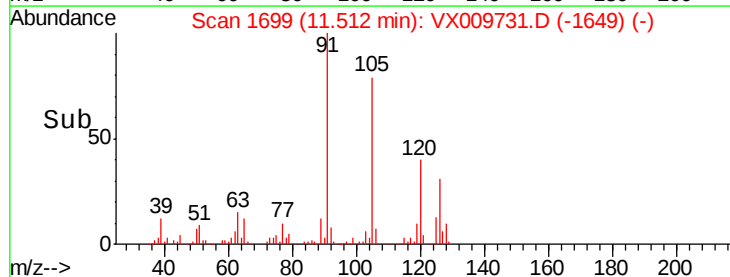
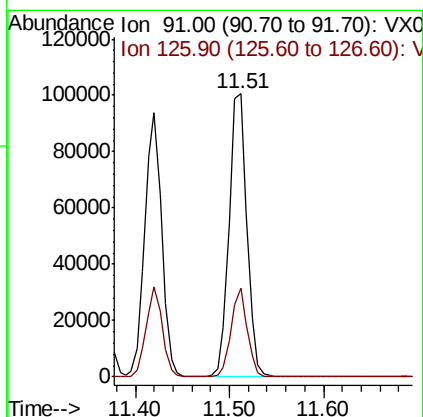
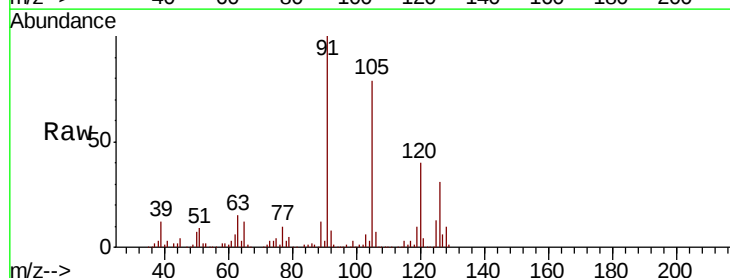
Acq: 20 May 2019 17:13

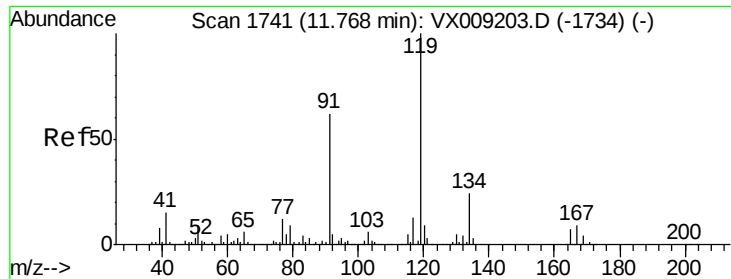
Tgt Ion: 91 Resp: 132680

Ion Ratio Lower Upper

91 100

126 28.6 14.5 43.6

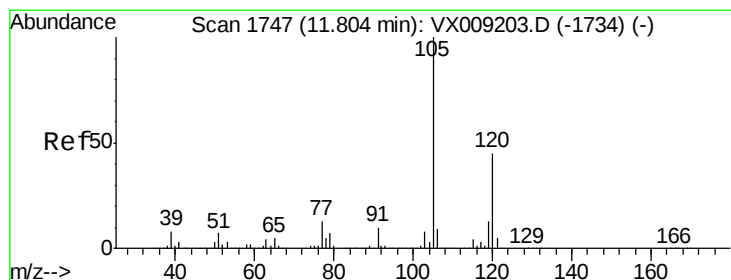
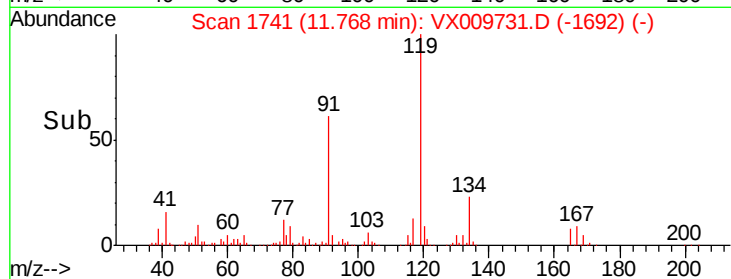
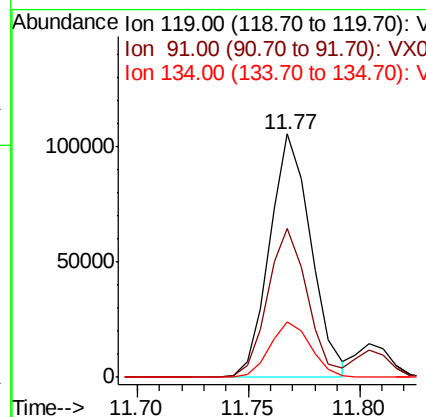
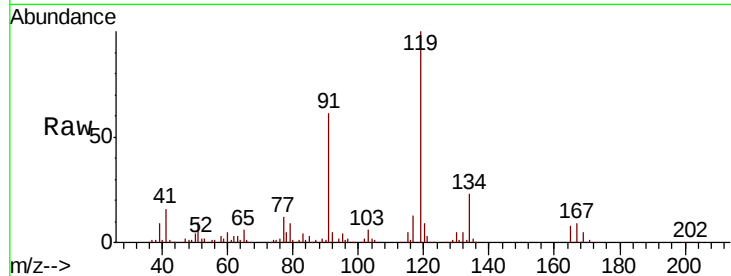




#83
 tert-Butylbenzene
 Concen: 21.284 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

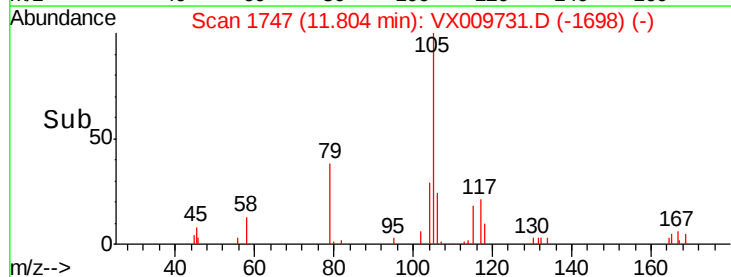
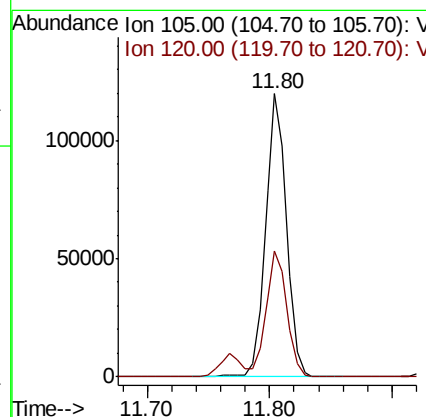
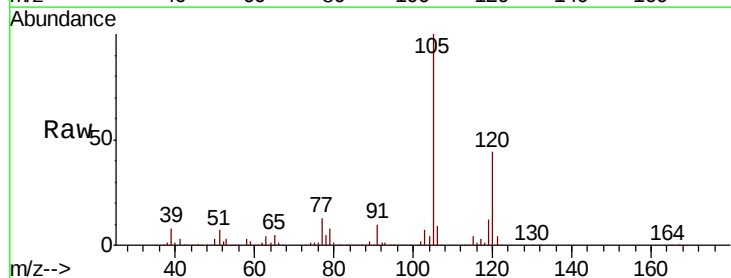
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0520WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.5	88.5
134	22.3	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.571 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 21.283 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

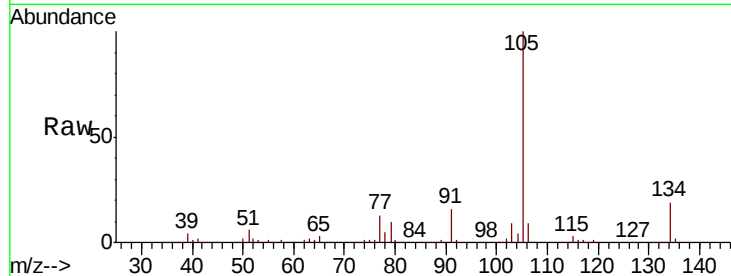
VX0520WBSD01

Tot Ion:105 Resp: 161302

Ion Ratio Lower Upper

105 100

134 19.3 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

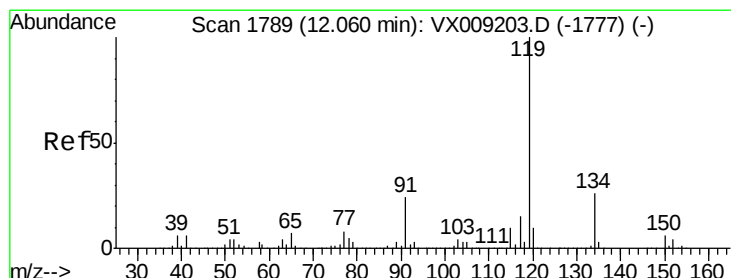
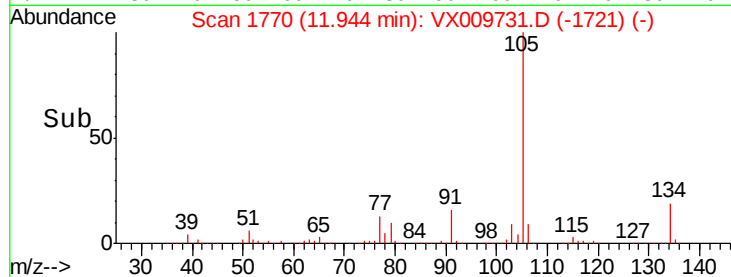
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.141 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

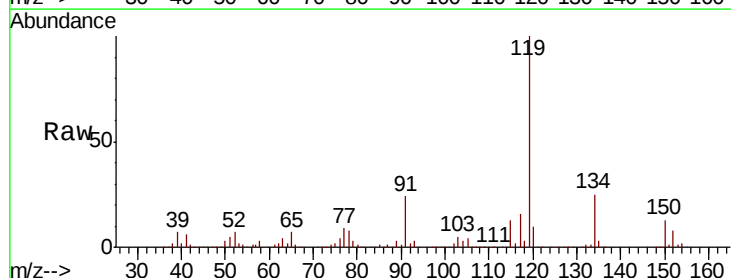
Tgt Ion:119 Resp: 144043

Ion Ratio Lower Upper

119 100

134 25.6 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

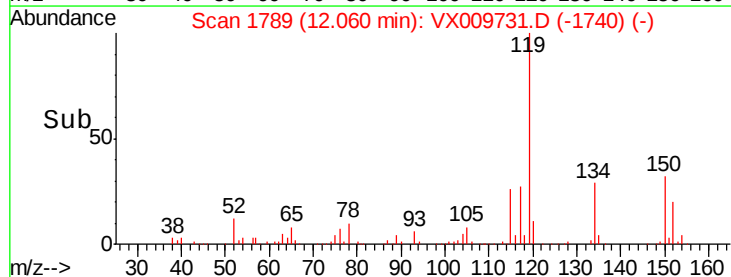
150000

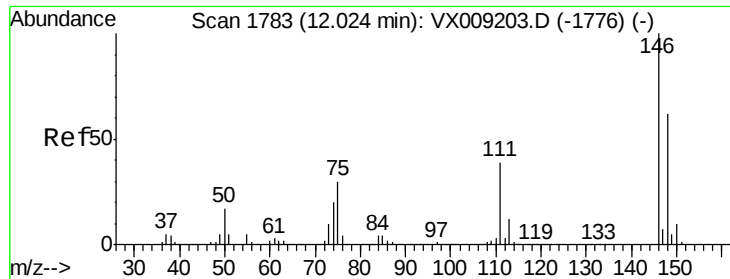
100000

50000

0

Time-->

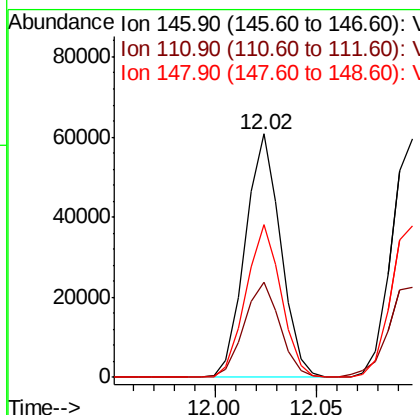
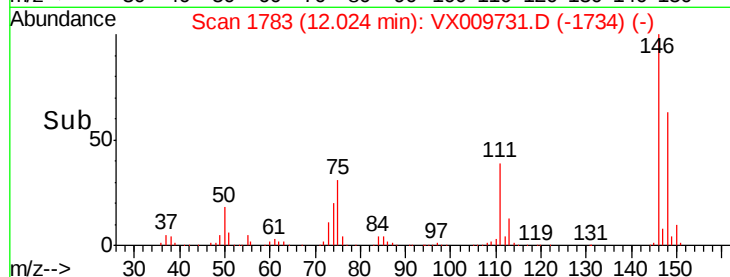
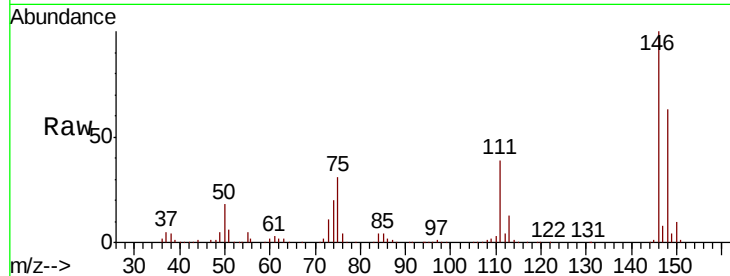




#87
 1,3-Dichlorobenzene
 Concen: 21.235 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

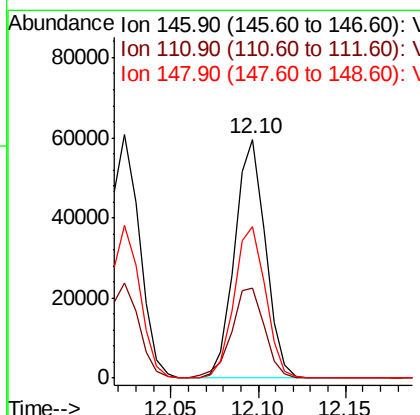
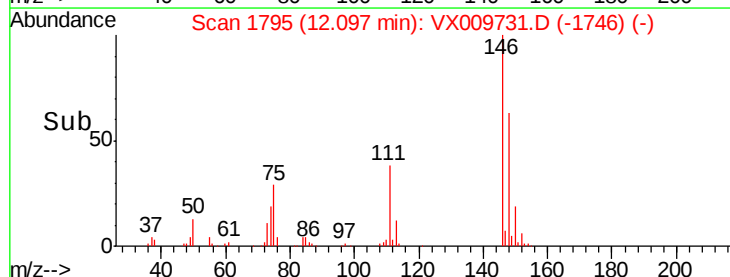
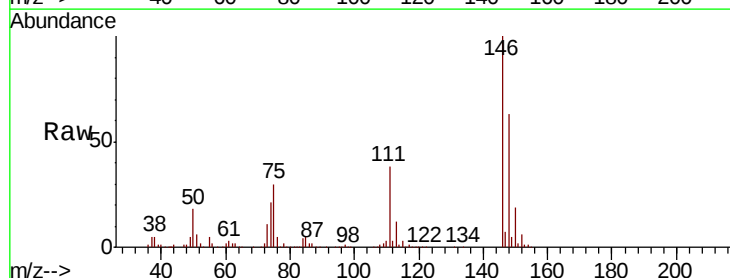
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

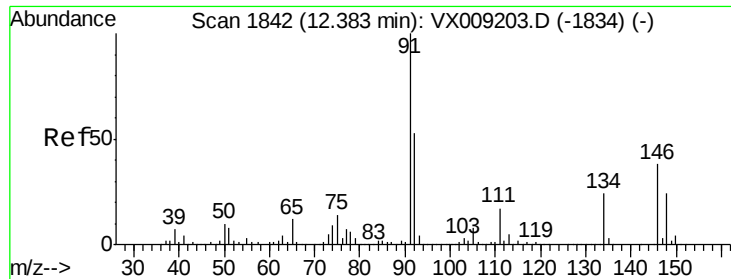
Tot Ion:146 Resp: 73330
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 59.9
 148 62.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.918 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion:146 Resp: 72828
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.6 58.8
 148 65.2 31.8 95.3

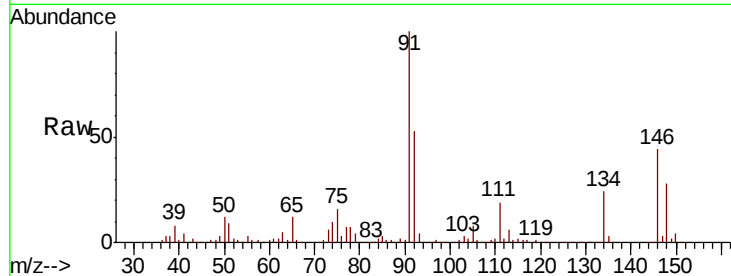




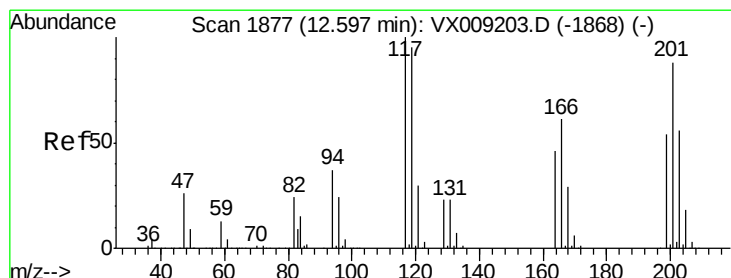
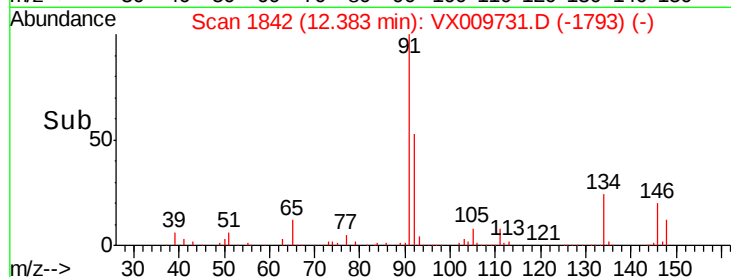
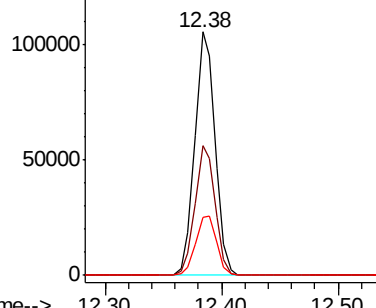
#89
n-Butylbenzene
Concen: 20.644 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Instrument :
MSVOA_X
ClientSampleID :
VX0520WBSD01

Tot Ion: 91 Resp: 127134
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.5
134 25.3 12.4 37.2

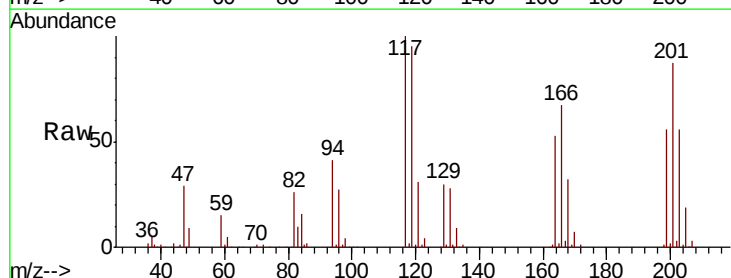


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

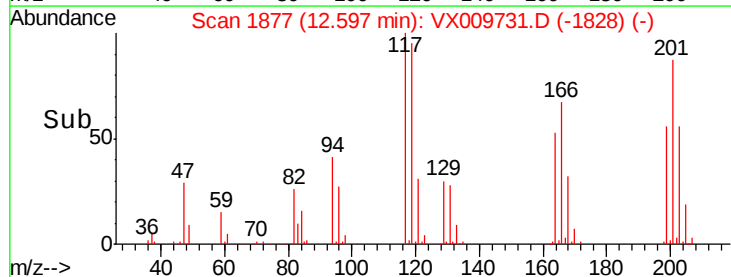
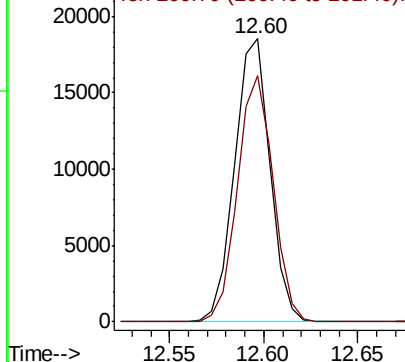


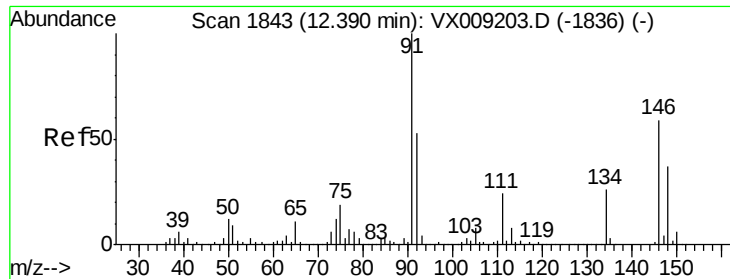
#90
Hexachloroethane
Concen: 20.815 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009731.D
Acq: 20 May 2019 17:13

Tgt Ion: 117 Resp: 24162
Ion Ratio Lower Upper
117 100
201 87.4 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

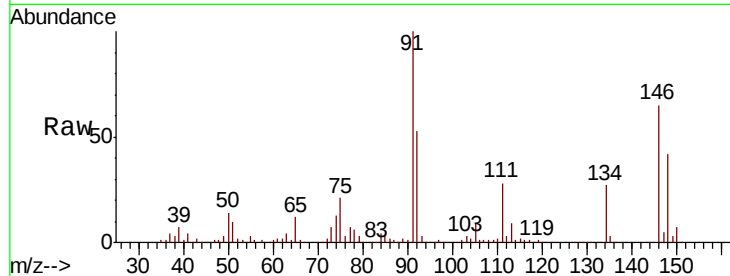




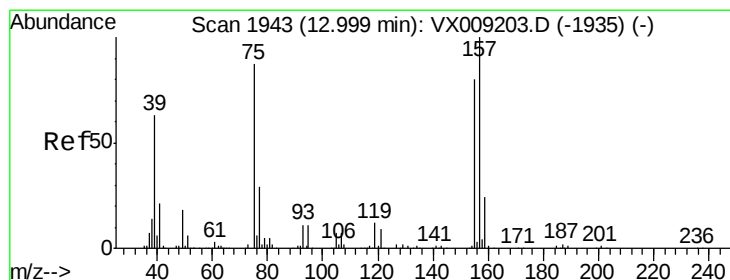
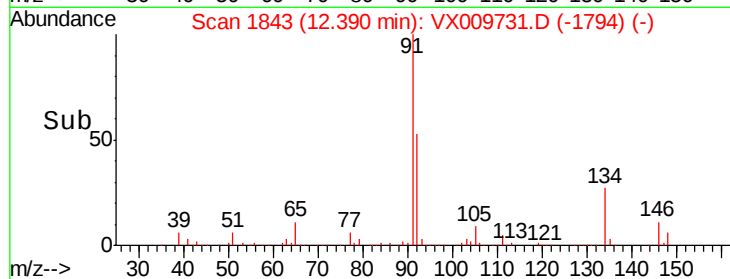
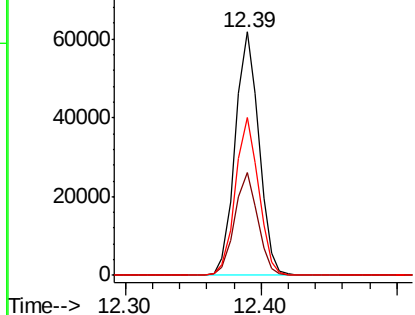
#91
 1,2-Dichlorobenzene
 Concen: 21.276 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

Tot Ion:146 Resp: 74834
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.4
 148 63.9 31.9 95.9

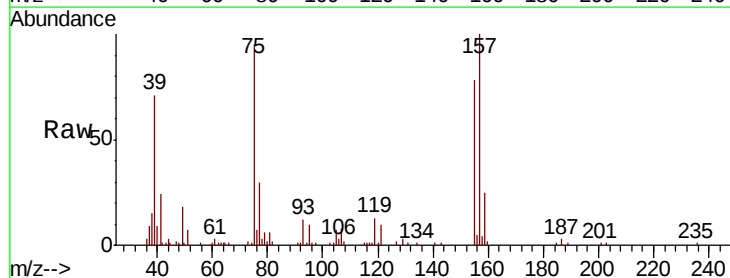


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

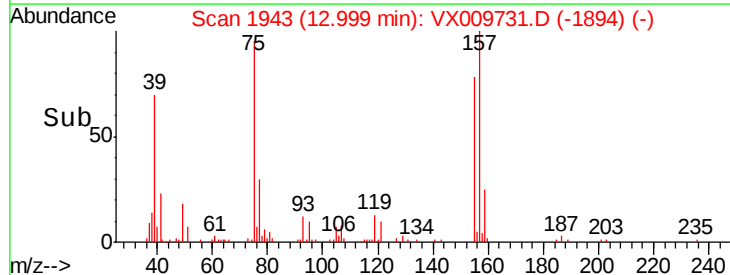
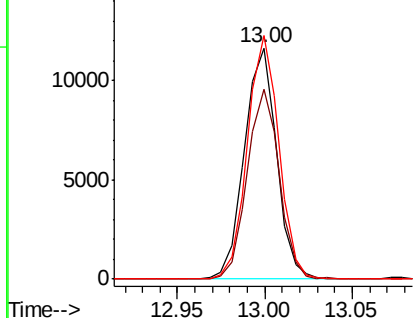


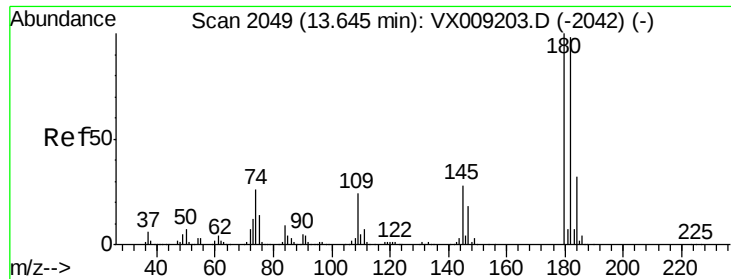
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.774 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion: 75 Resp: 14864
 Ion Ratio Lower Upper
 75 100
 155 81.7 42.0 126.0
 157 103.0 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

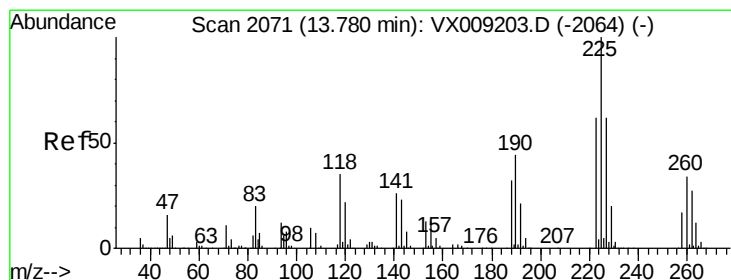
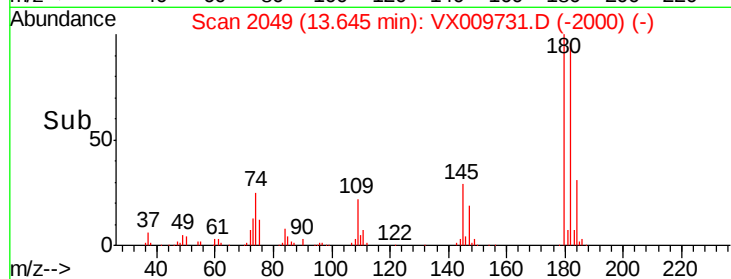
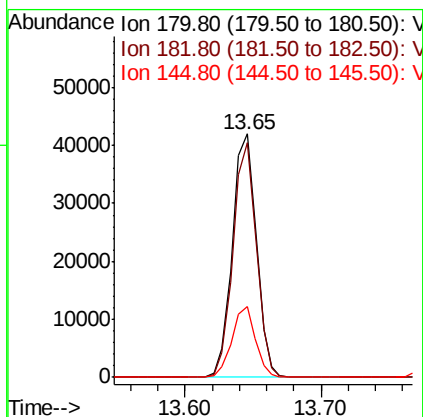
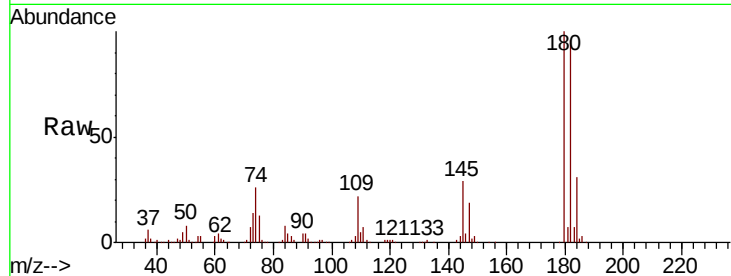




#93
 1,2,4-Trichlorobenzene
 Concen: 21.575 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

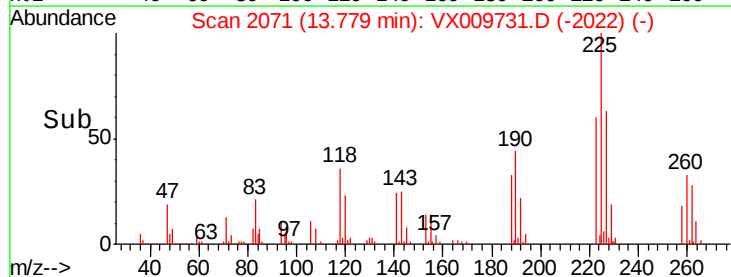
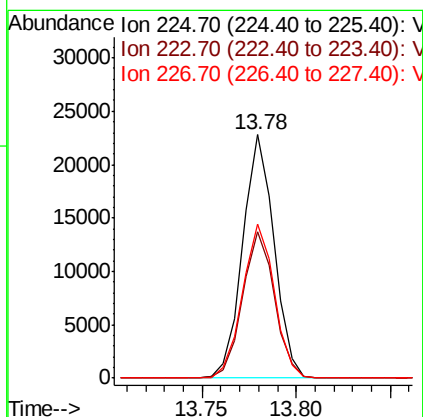
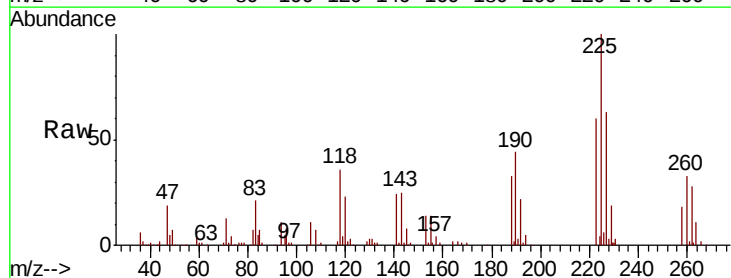
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0520WBSD01

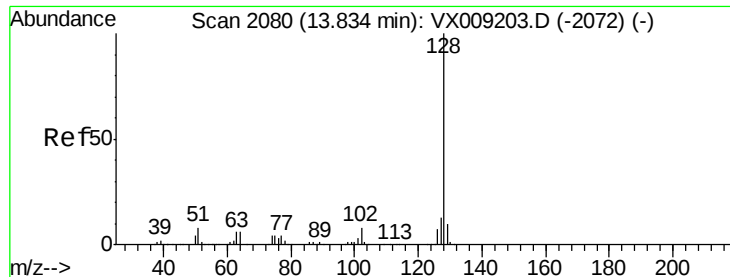
Tot Ion:180 Resp: 51894
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.4 145.2
 145 28.4 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 21.432 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009731.D
 Acq: 20 May 2019 17:13

Tgt Ion:225 Resp: 26325
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.3 93.8
 227 64.3 31.8 95.3





#95

Naphthalene

Concen: 21.664 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

Instrument :

MSVOA_X

ClientSampleId :

VX0520WBSD01

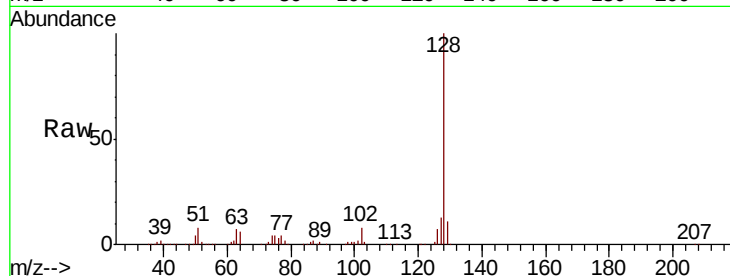
Tot Ion:128 Resp: 169533

Ion Ratio Lower Upper

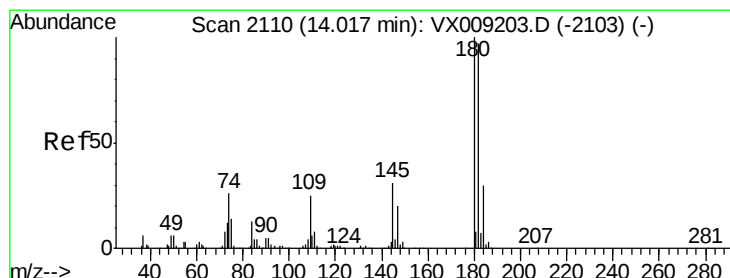
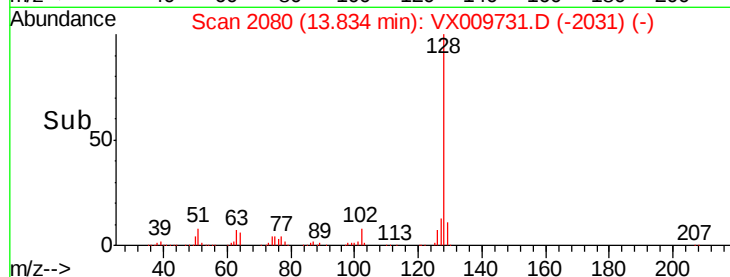
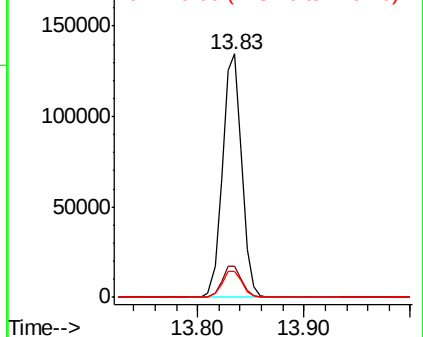
128 100

127 13.1 10.4 15.6

129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.362 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009731.D

Acq: 20 May 2019 17:13

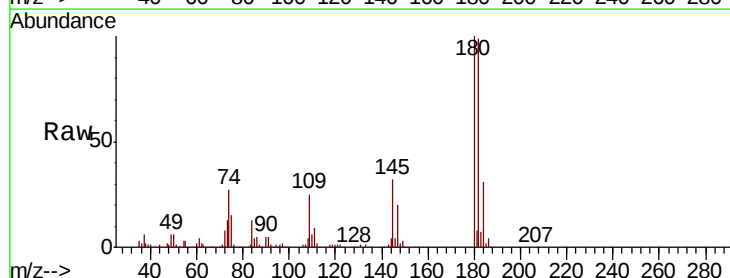
Tgt Ion:180 Resp: 52083

Ion Ratio Lower Upper

180 100

182 97.8 47.8 143.4

145 30.8 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

