

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005109.D
 Acq On : 06 Oct 2018 11:19
 Operator : JC/MD
 Sample : J5259-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 00:59:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174306	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	152895	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	5.51	113	136842	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	8.72	98	432288	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.14	95	163207	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	135064	46.036	ug/l	94
3) Chloromethane	1.32	50	169608	47.649	ug/l	99
4) Vinyl Chloride	1.40	62	907930	271.960	ug/l	97
5) Bromomethane	1.64	94	111153	56.147	ug/l	95
6) Chloroethane	1.71	64	99751	55.063	ug/l	96
7) Trichlorofluoromethane	1.92	101	209013	50.572	ug/l	95
8) Diethyl Ether	2.19	74	88138	49.089	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110925	47.117	ug/l	97
10) Methyl Iodide	2.51	142	131655	41.790	ug/l	95
11) Tert butyl alcohol	3.07	59	213944	248.927	ug/l	99
12) 1,1-Dichloroethene	2.37	96	116434	49.939	ug/l	97
13) Acrolein	2.29	56	36492	59.676	ug/l	92
14) Allyl chloride	2.73	41	253652	49.861	ug/l	98
15) Acrylonitrile	3.15	53	490077	259.025	ug/l	96
16) Acetone	2.45	43	468536	261.089	ug/l	98
17) Carbon Disulfide	2.57	76	309777	44.216	ug/l	100
18) Methyl Acetate	2.78	43	234744	51.630	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	421539	52.416	ug/l	97
20) Methylene Chloride	2.85	84	149251	57.325	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	127051	49.780	ug/l #	78
22) Diisopropyl ether	3.86	45	467665	54.593	ug/l #	91
23) Vinyl Acetate	3.82	43	1453028	185.305	ug/l	99
24) 1,1-Dichloroethane	3.70	63	269765	52.792	ug/l	99
25) 2-Butanone	4.70	43	703420	265.921	ug/l	100
26) 2,2-Dichloropropane	4.59	77	97817	27.490	ug/l #	43
27) cis-1,2-Dichloroethene	4.59	96	867758	304.347	ug/l	93
28) Bromochloromethane	5.02	49	133814	55.609	ug/l	98
29) Tetrahydrofuran	5.16	42	455546	277.080	ug/l	99
30) Chloroform	5.22	83	246272	50.995	ug/l	93
31) Cyclohexane	5.57	56	196603	50.269	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	210819	53.452	ug/l	94
36) 1,1-Dichloropropene	5.80	75	168971	46.518	ug/l	95
37) Ethyl Acetate	4.86	43	184582	38.282	ug/l #	82
38) Carbon Tetrachloride	5.78	117	173795	45.517	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	155164	41.834	ug/l #	85
40) Benzene	6.13	78	569647	50.093	ug/l	91
41) Methacrylonitrile	5.06	41	139278	52.087	ug/l	96
42) 1,2-Dichloroethane	6.20	62	191636	47.670	ug/l	98
43) Isopropyl Acetate	6.46	43	301062	43.261	ug/l	96
44) Trichloroethene	7.21	130	138751	49.633	ug/l	88
45) 1,2-Dichloropropane	7.52	63	132785	47.615	ug/l	98
46) Dibromomethane	7.66	93	85362	48.706	ug/l	99
47) Bromodichloromethane	7.90	83	167362	51.004	ug/l	98
48) Methyl methacrylate	7.78	41	167873	53.146	ug/l	98
49) 1,4-Dioxane	7.76	88	67353	858.283	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1146136	261.565	ug/l	99
52) Toluene	8.79	92	301649	48.275	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	168023	45.313	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	176298	45.392	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	129794	47.420	ug/l	97
56) Ethyl methacrylate	9.18	69	201764	45.688	ug/l	98
57) 1,3-Dichloropropane	9.37	76	215846	47.382	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.27	63	1720	14.930	ug/l #	49
59) 2-Hexanone	9.50	43	907225	248.454	ug/l	95
60) Dibromochloromethane	9.59	129	135152	49.374	ug/l	98
61) 1,2-Dibromoethane	9.68	107	131035	44.702	ug/l	95
64) Tetrachloroethene	9.34	164	127857	46.252	ug/l	96
65) Chlorobenzene	10.14	112	353899	49.137	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	127458	50.338	ug/l	99
67) Ethyl Benzene	10.26	91	576424	50.411	ug/l	97
68) m/p-Xylenes	10.36	106	449401	100.575	ug/l	95
69) o-Xylene	10.70	106	218353	53.203	ug/l	100
70) Styrene	10.71	104	368217	48.057	ug/l	100
71) Bromoform	10.86	173	110835	51.129	ug/l #	96
73) Isopropylbenzene	11.02	105	589139	53.623	ug/l	100
74) N-amyl acetate	10.90	43	215441	36.177	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	218941	48.954	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	240000	61.431	ug/l	83
77) Bromobenzene	11.26	156	160697	50.357	ug/l	99
78) n-propylbenzene	11.36	91	664653	52.725	ug/l	99
79) 2-Chlorotoluene	11.42	91	404372	51.463	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	498025	49.455	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49180	34.956	ug/l	99
82) 4-Chlorotoluene	11.51	91	477319	51.609	ug/l	99
83) tert-Butylbenzene	11.77	119	503757	55.690	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	521505	50.220	ug/l	99
85) sec-Butylbenzene	11.94	105	584290	53.030	ug/l	100
86) p-Isopropyltoluene	12.07	119	524882	52.581	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	292932	49.159	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	297952	48.437	ug/l	99
89) n-Butylbenzene	12.39	91	448365	49.456	ug/l	99
90) Hexachloroethane	12.60	117	88810	53.434	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	303416	48.724	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52566	53.530	ug/l	99

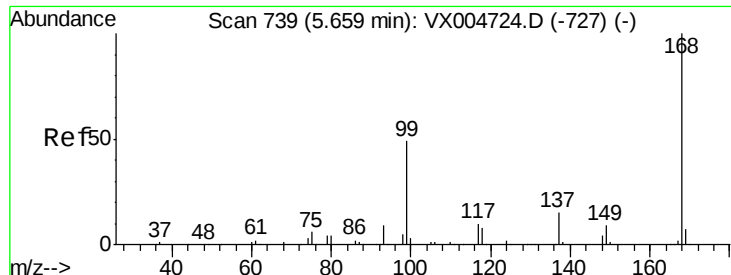
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	225895	51.712	ug/l	99
94) Hexachlorobutadiene	13.79	225	101713	44.902	ug/l	99
95) Naphthalene	13.83	128	766031	52.793	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	235988	52.296	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

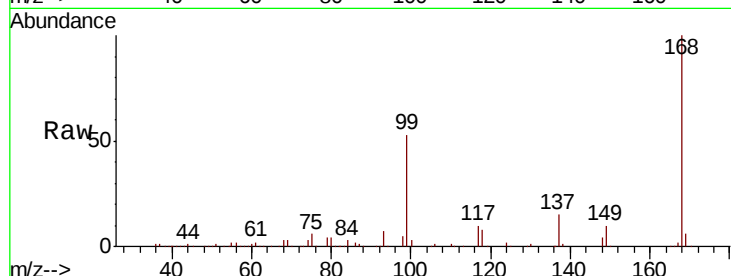
ClientSampleId :

Tot Ion:168 Resp: 215177

Ion Ratio Lower Upper

168 100

99 52.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

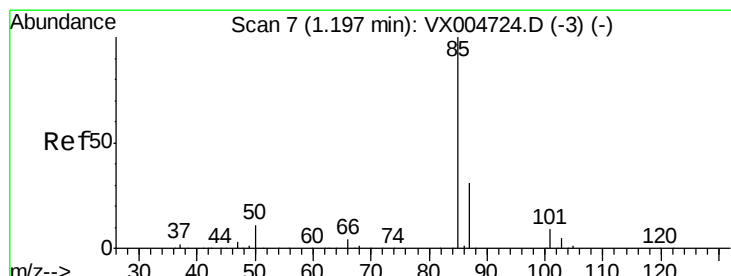
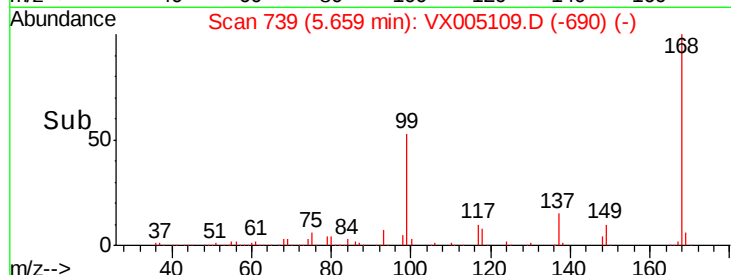
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.036 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005109.D

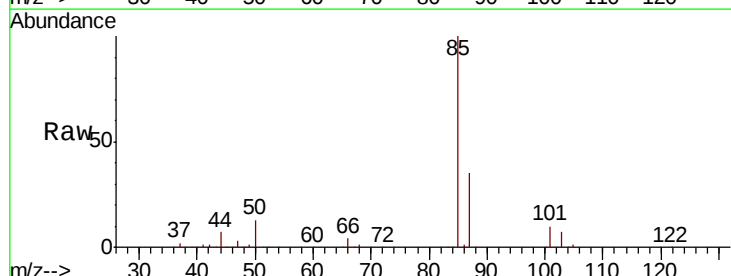
Acq: 06 Oct 2018 11:19

Tgt Ion: 85 Resp: 135064

Ion Ratio Lower Upper

85 100

87 34.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

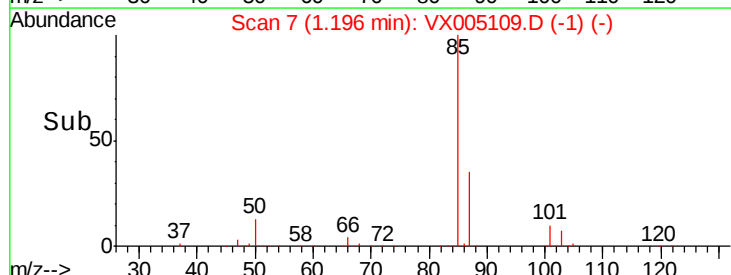
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50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.649 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

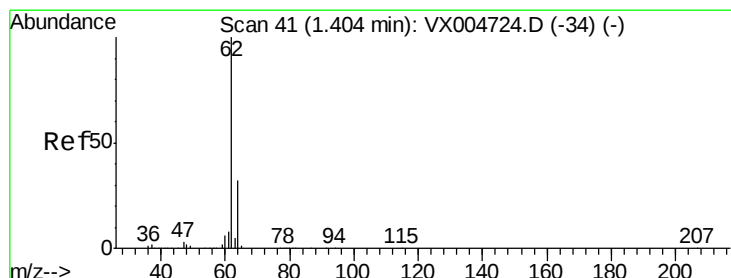
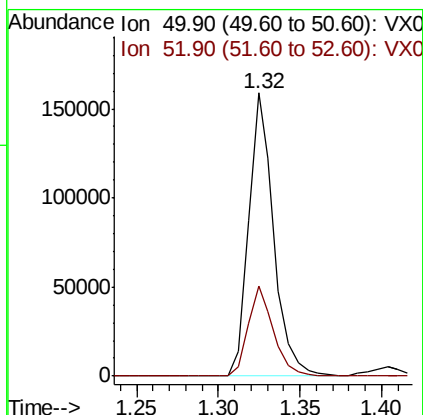
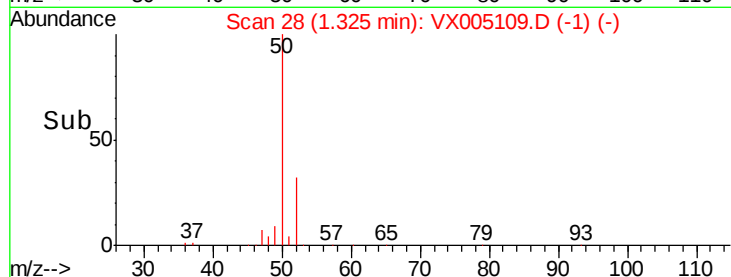
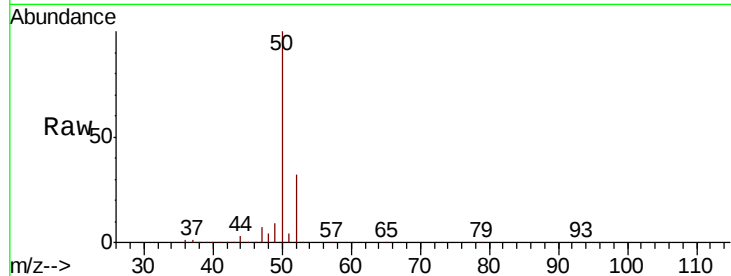
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 169608

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.6



#4

Vinyl Chloride

Concen: 271.960 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005109.D

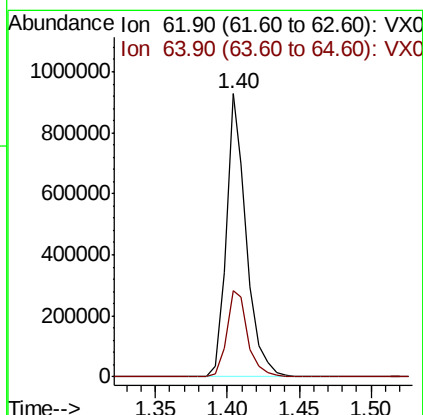
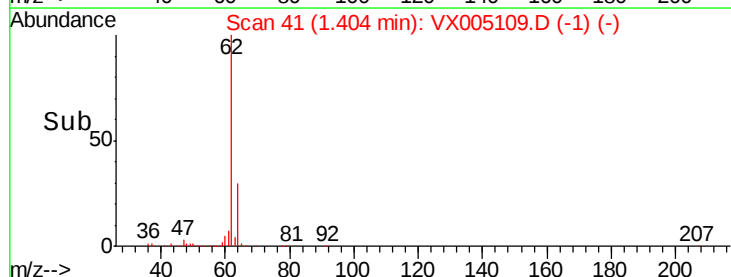
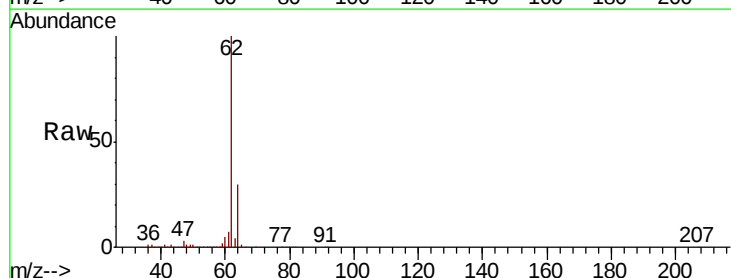
Acq: 06 Oct 2018 11:19

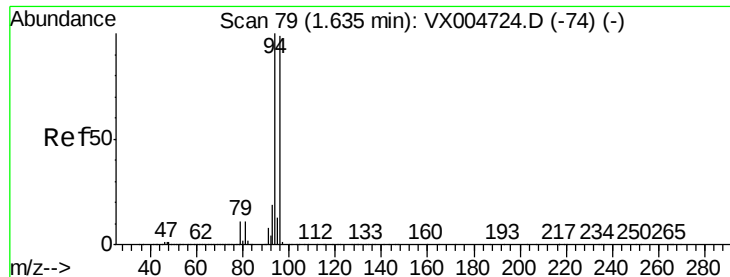
Tgt Ion: 62 Resp: 907930

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3





#5

Bromomethane

Concen: 56.147 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

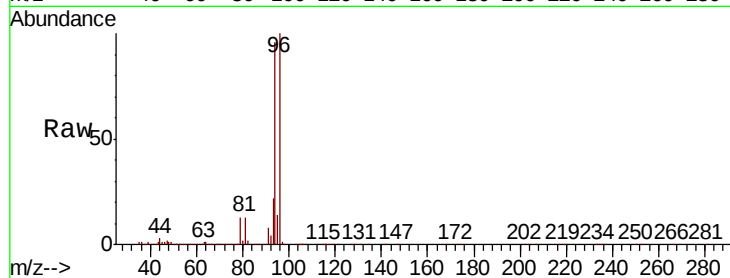
ClientSampleId :

Tot Ion: 94 Resp: 111153

Ion Ratio Lower Upper

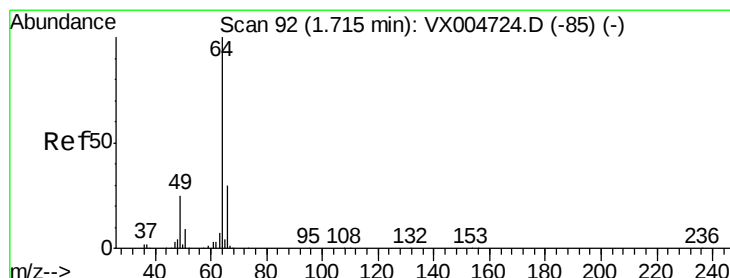
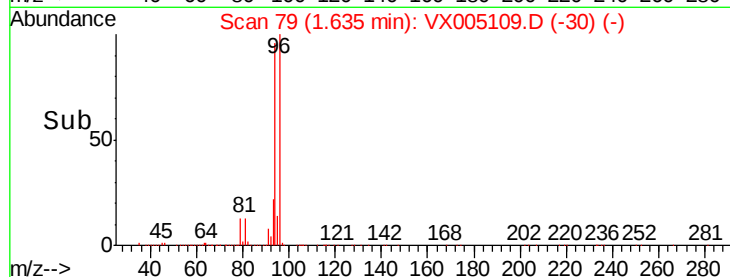
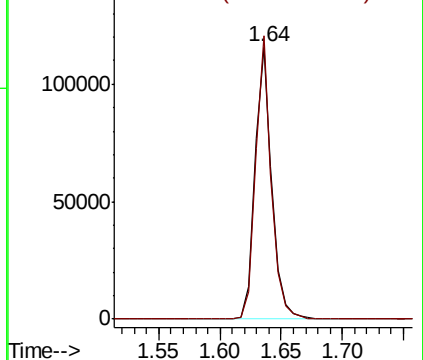
94 100

96 104.2 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.063 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005109.D

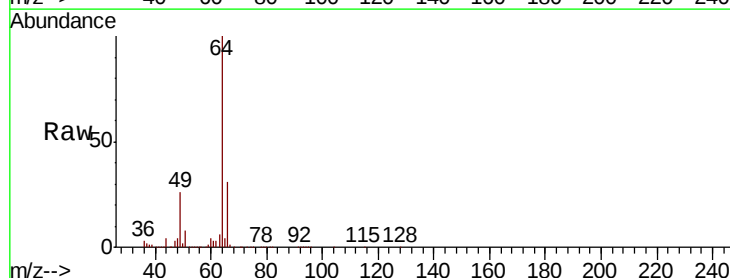
Acq: 06 Oct 2018 11:19

Tgt Ion: 64 Resp: 99751

Ion Ratio Lower Upper

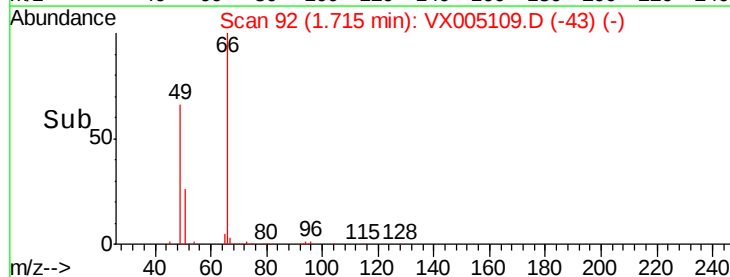
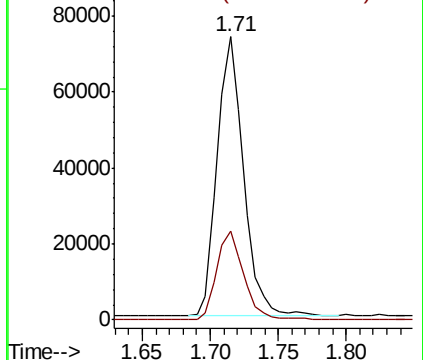
64 100

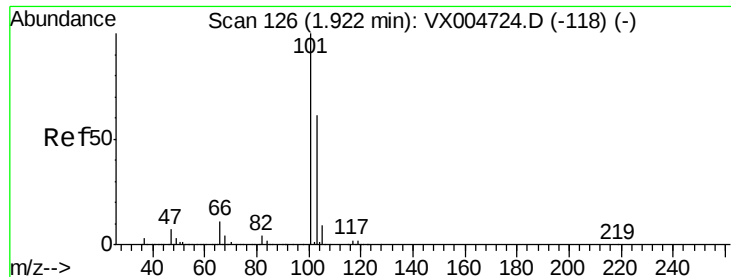
66 31.7 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



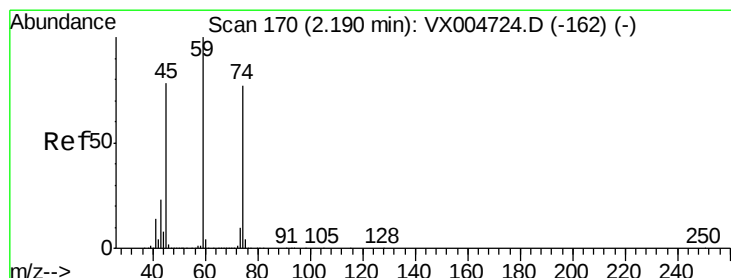
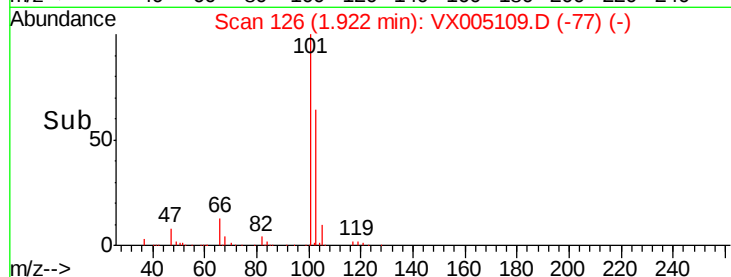
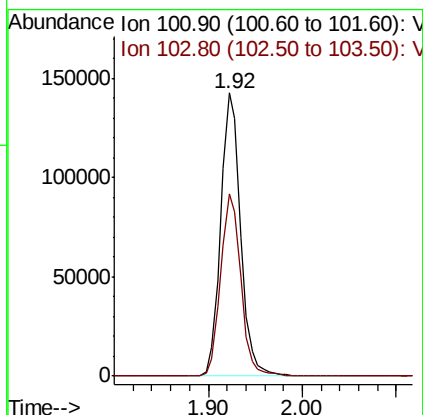
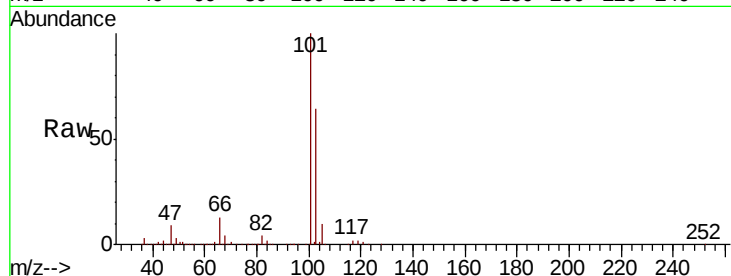


#7

Trichlorofluoromethane
Concen: 50.572 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
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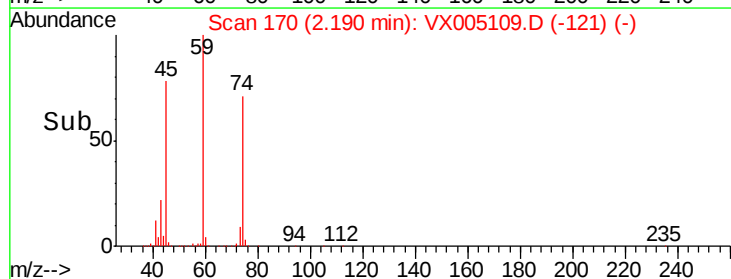
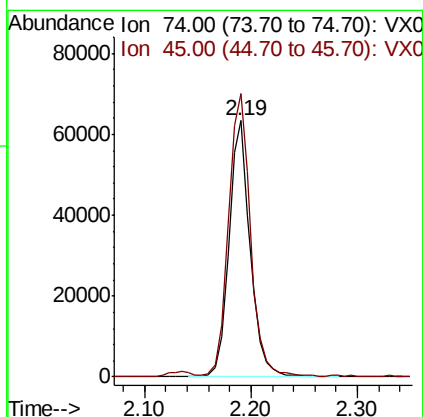
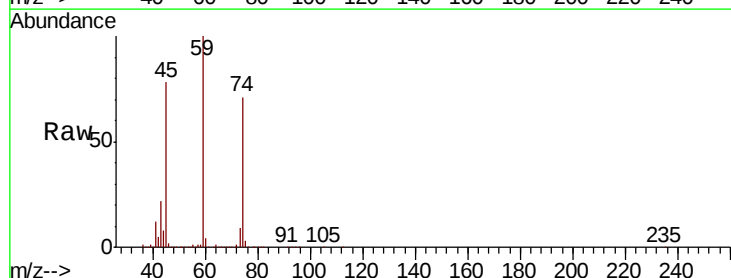
Tot Ion:101 Resp: 209013
Ion Ratio Lower Upper
101 100
103 64.2 48.4 72.6



#8

Diethyl Ether
Concen: 49.089 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 74 Resp: 88138
Ion Ratio Lower Upper
74 100
45 113.8 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.117 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

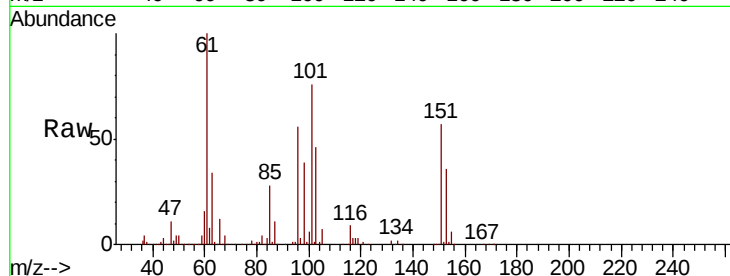
Tot Ion:101 Resp: 110925

Ion Ratio Lower Upper

101 100

85 42.5 35.9 53.9

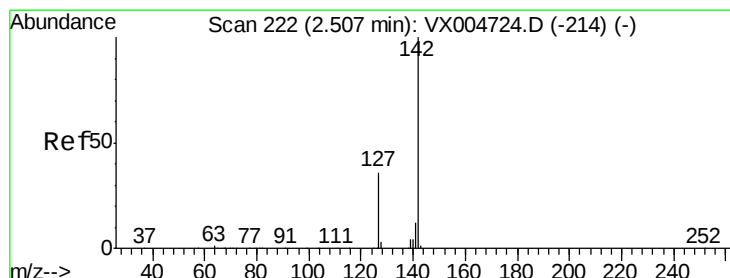
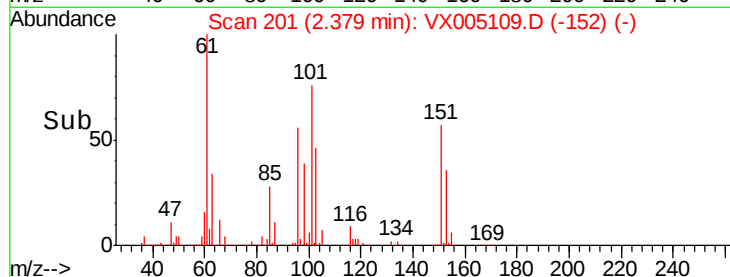
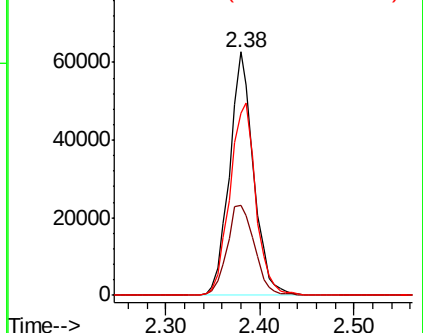
151 85.3 66.6 100.0



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: 41.790 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

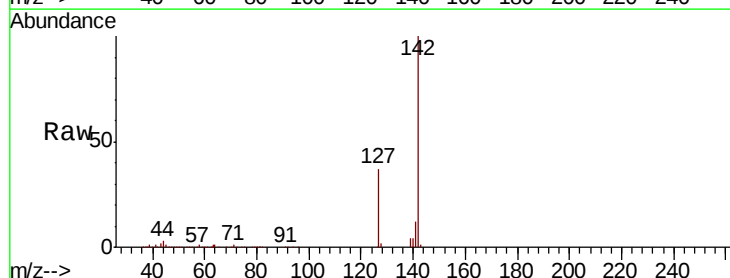
Tgt Ion:142 Resp: 131655

Ion Ratio Lower Upper

142 100

127 41.0 30.1 45.1

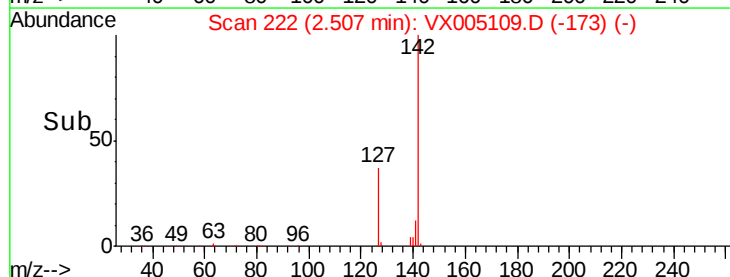
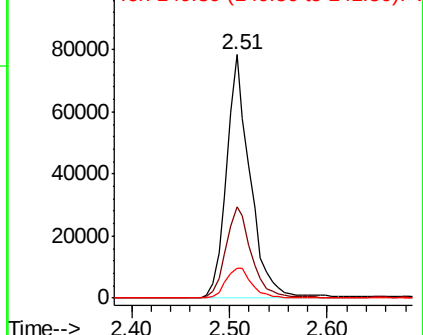
141 13.7 10.1 15.1

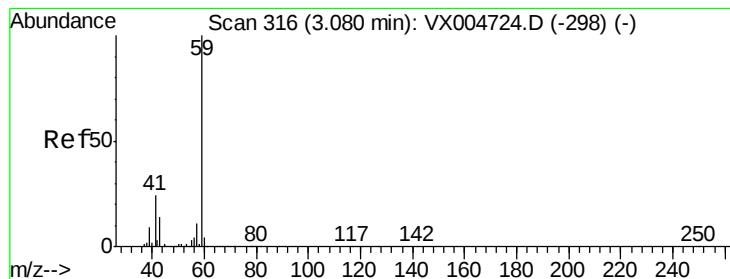


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



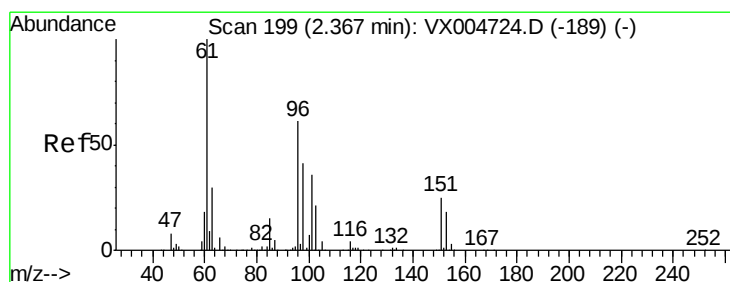
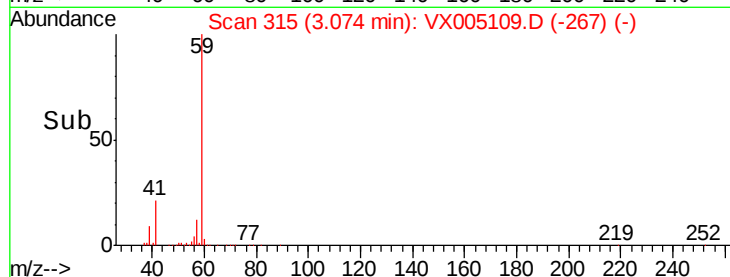
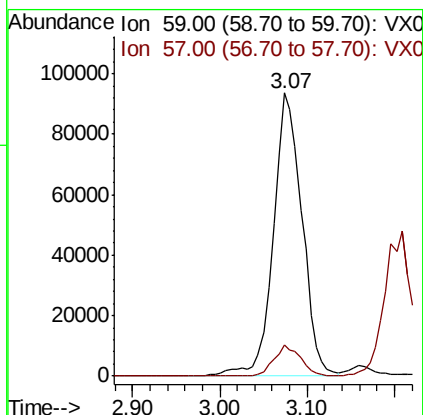
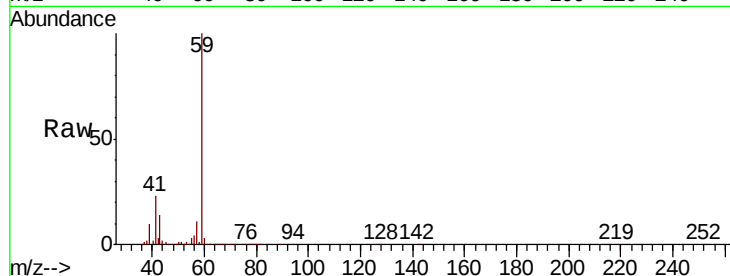


#11

Tert butyl alcohol
Concen: 248.927 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampled :

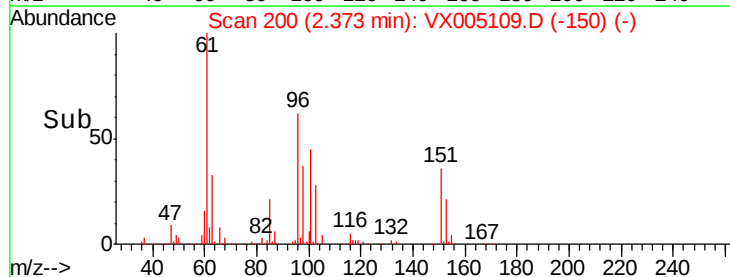
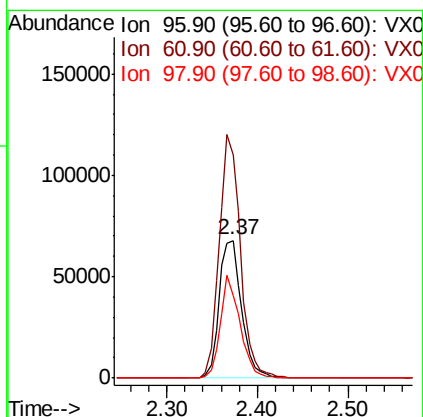
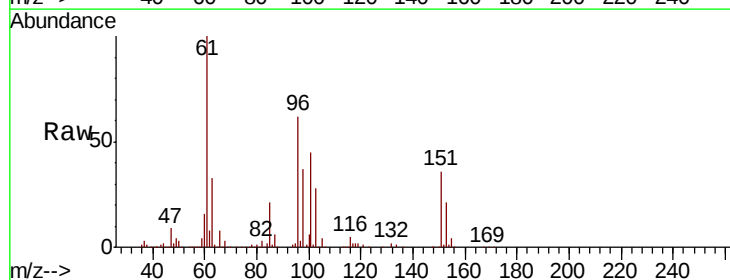
Tot Ion: 59 Resp: 213944
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

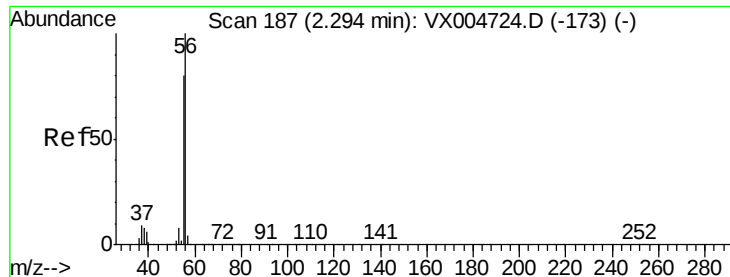


#12

1,1-Dichloroethene
Concen: 49.939 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 96 Resp: 116434
Ion Ratio Lower Upper
96 100
61 162.5 130.2 195.4
98 59.8 53.4 80.0





#13

Acrolein

Concen: 59.676 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

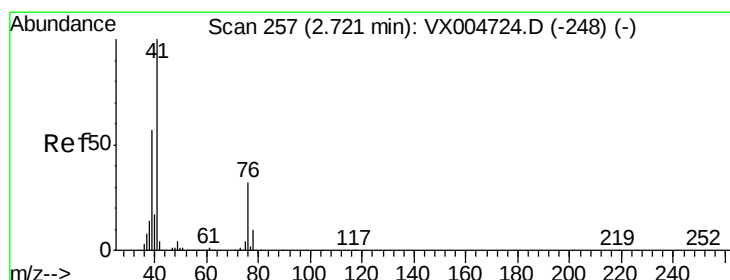
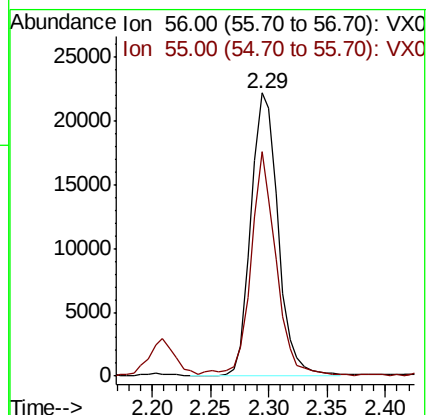
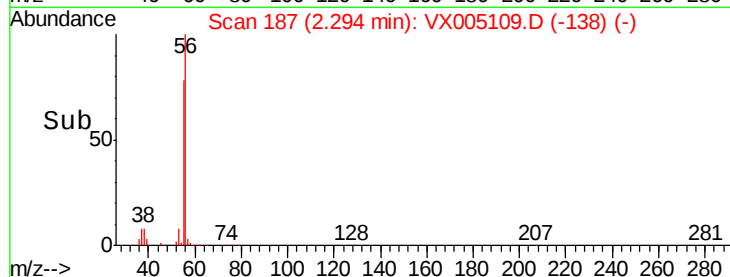
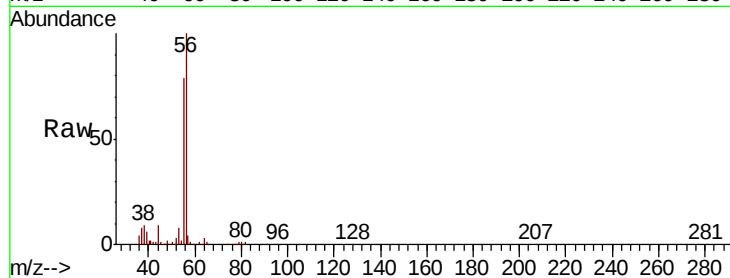
ClientSampleId :

Tot Ion: 56 Resp: 36492

Ion Ratio Lower Upper

56 100

55 72.4 63.4 95.2



#14

Allyl chloride

Concen: 49.861 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

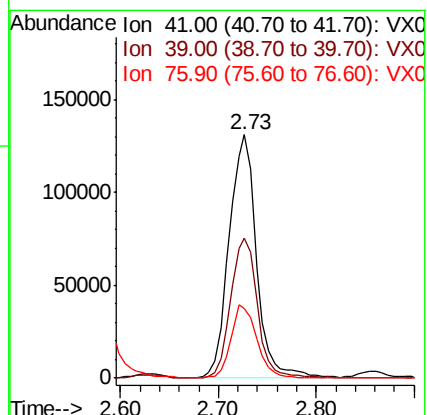
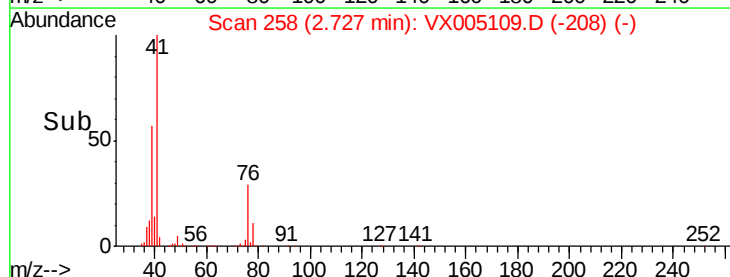
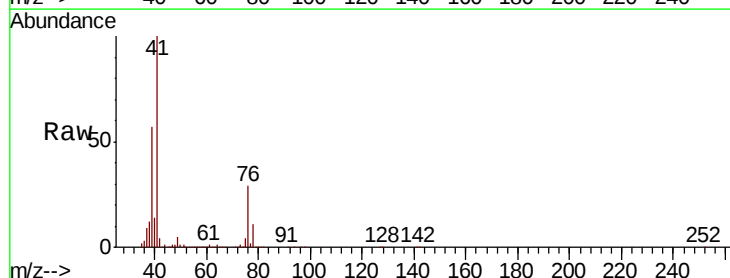
Tgt Ion: 41 Resp: 253652

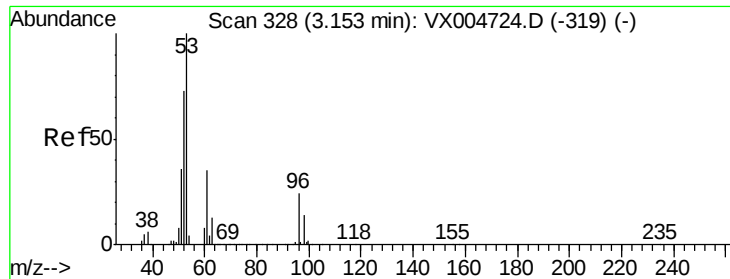
Ion Ratio Lower Upper

41 100

39 55.9 44.1 66.1

76 28.6 25.0 37.4





#15

Acrylonitrile

Concen: 259.025 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

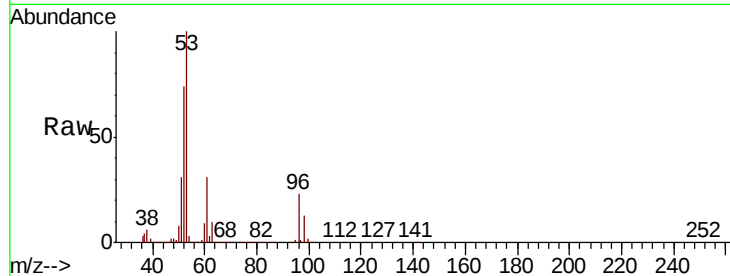
Tot Ion: 53 Resp: 490077

Ion Ratio Lower Upper

53 100

52 83.5 63.0 94.4

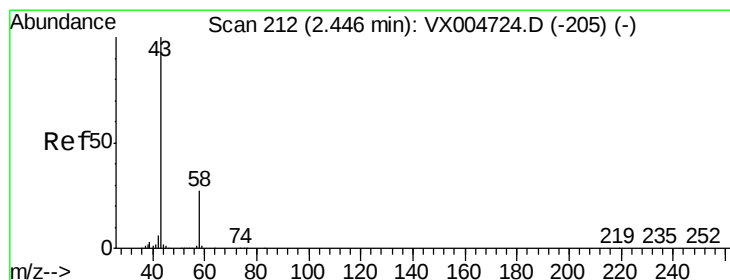
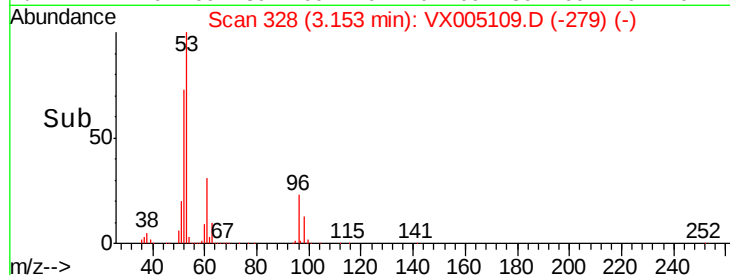
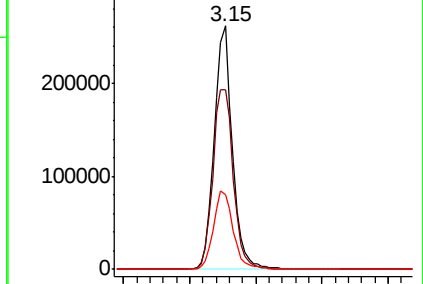
51 35.3 28.6 42.8



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: 261.089 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005109.D

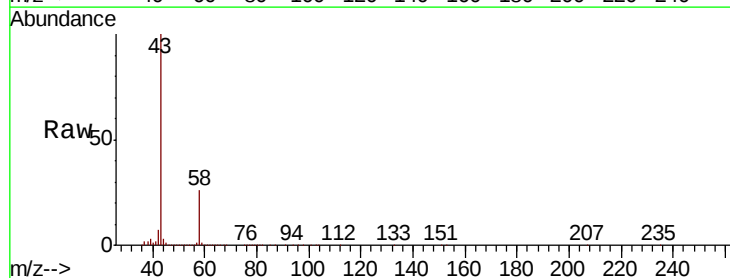
Acq: 06 Oct 2018 11:19

Tgt Ion: 43 Resp: 468536

Ion Ratio Lower Upper

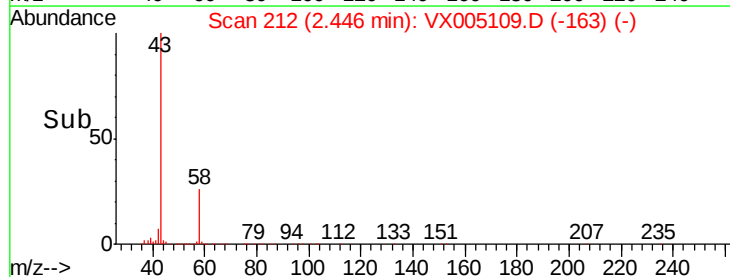
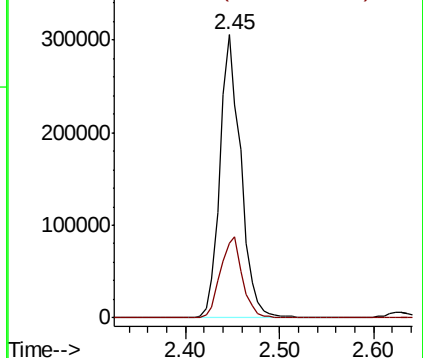
43 100

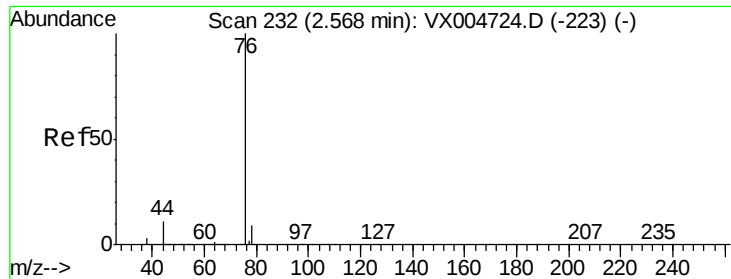
58 26.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.216 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

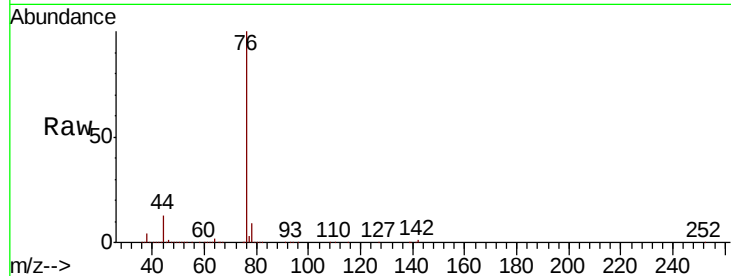
ClientSampleId :

Tot Ion: 76 Resp: 309777

Ion Ratio Lower Upper

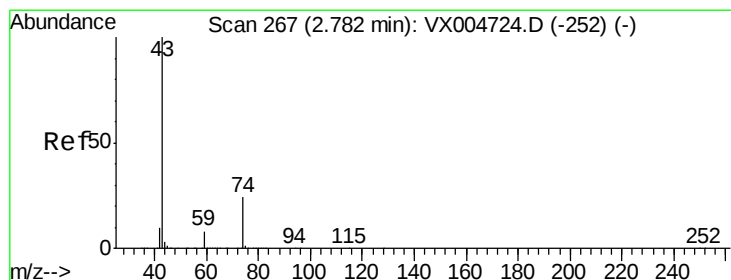
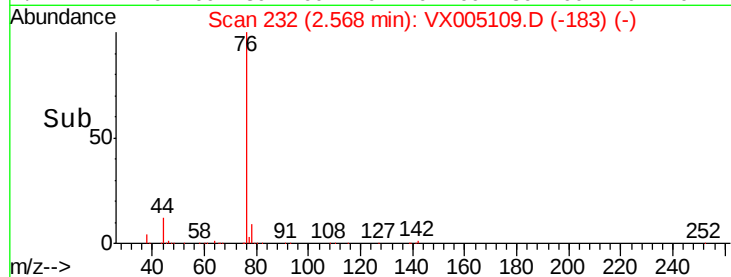
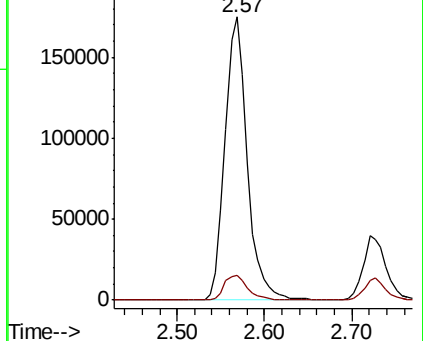
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.630 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005109.D

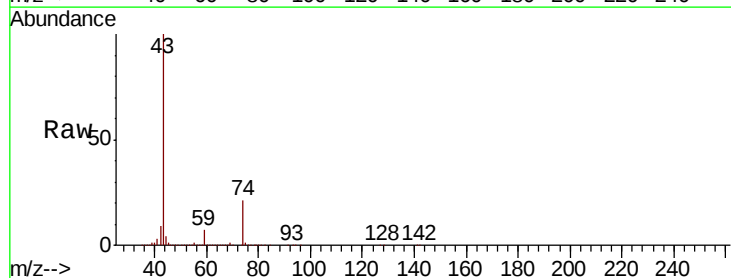
Acq: 06 Oct 2018 11:19

Tgt Ion: 43 Resp: 234744

Ion Ratio Lower Upper

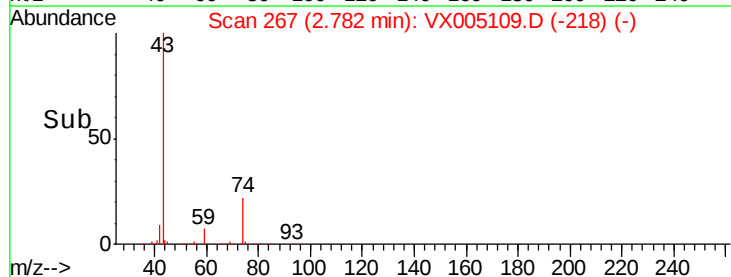
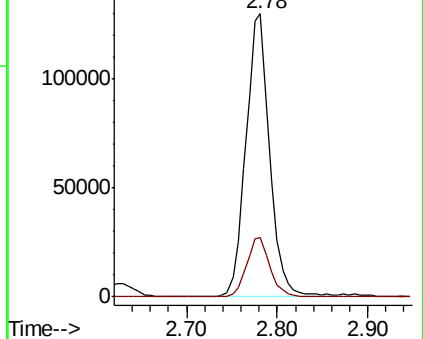
43 100

74 21.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

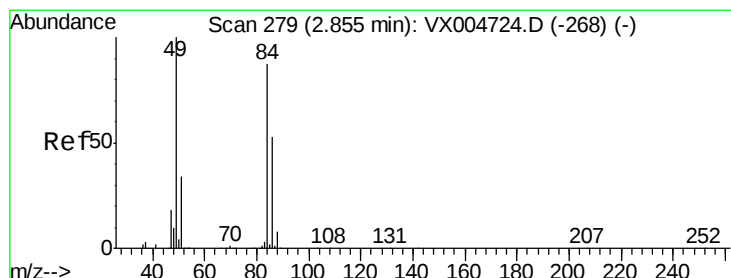
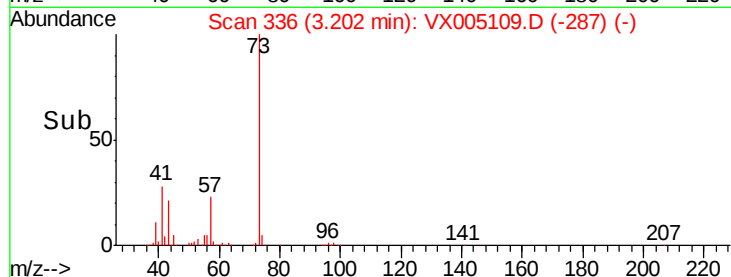
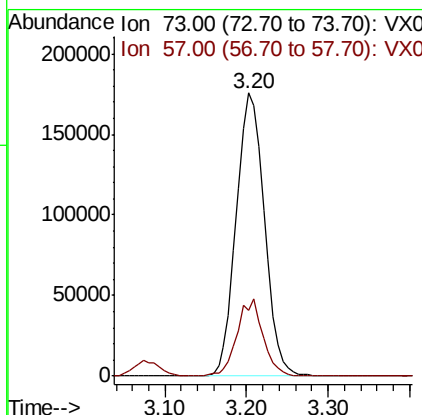
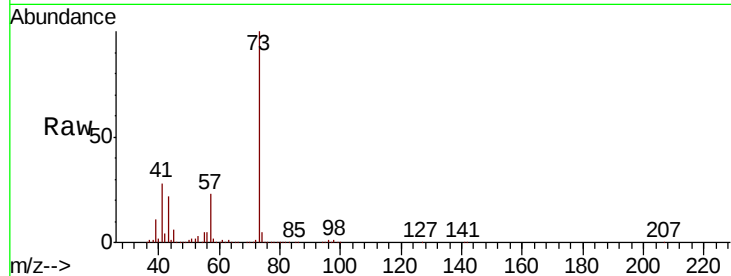




#19
Methyl tert-butyl Ether
Concen: 52.416 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

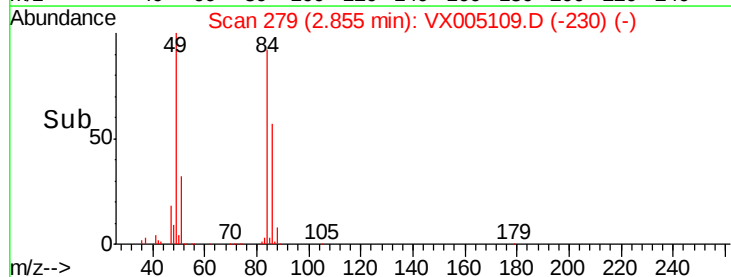
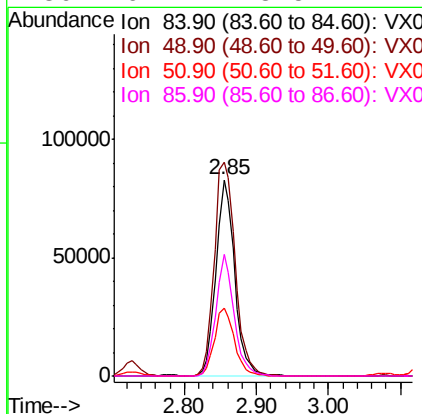
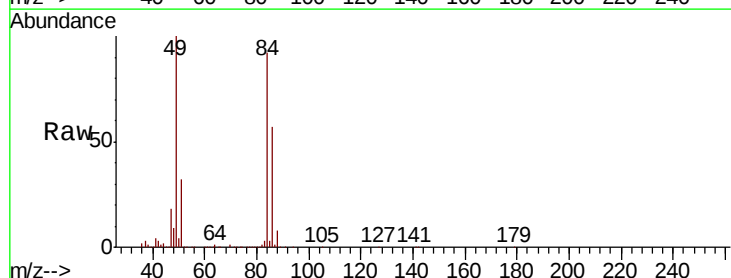
Instrument :
MSVOA_X
ClientSampleId :

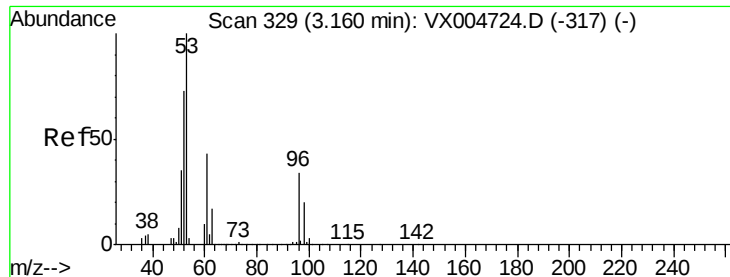
Tot Ion: 73 Resp: 421539
Ion Ratio Lower Upper
73 100
57 23.4 19.9 29.9



#20
Methylene Chloride
Concen: 57.325 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 84 Resp: 149251
Ion Ratio Lower Upper
84 100
49 108.7 92.3 138.5
51 34.3 31.8 47.6
86 62.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.780 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :

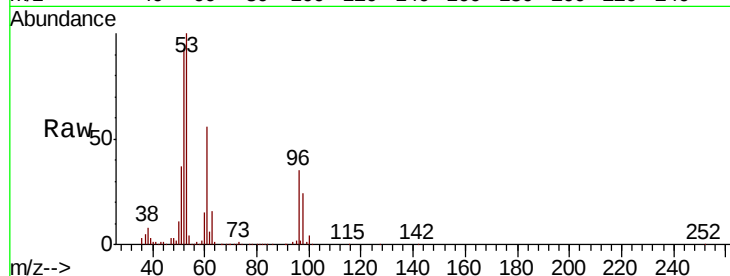
Tot Ion: 96 Resp: 127051

Ion Ratio Lower Upper

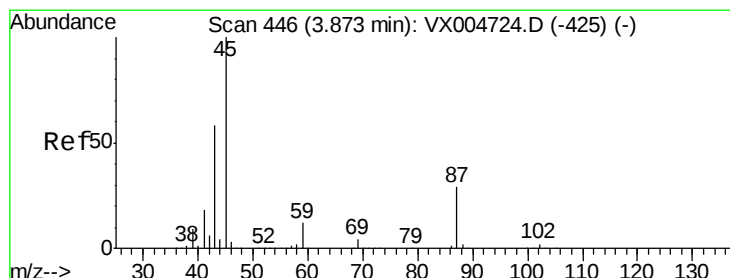
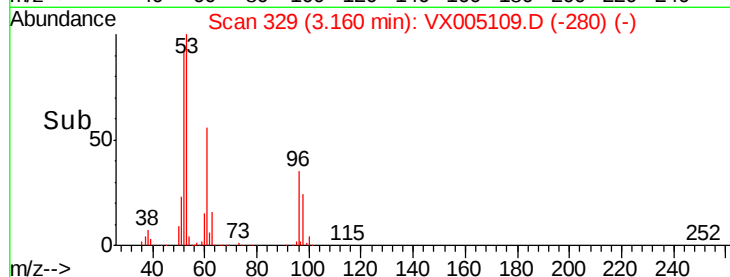
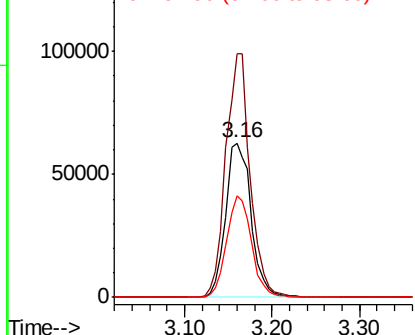
96 100

61 157.9 101.0 151.6#

98 66.2 47.2 70.8



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: 54.593 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion: 45 Resp: 467665

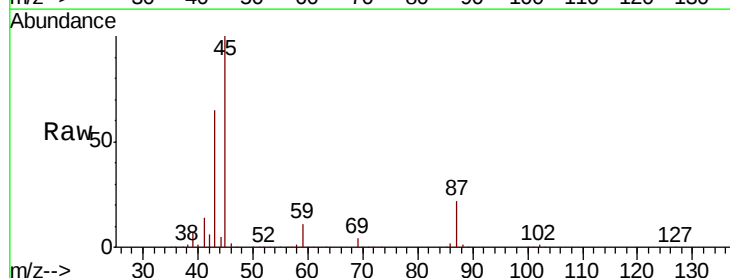
Ion Ratio Lower Upper

45 100

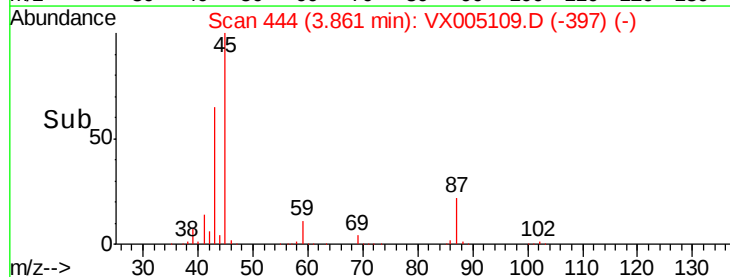
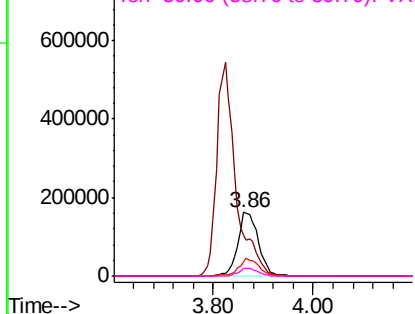
43 65.0 46.7 70.1

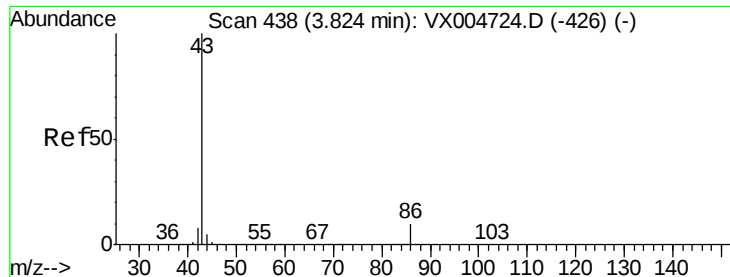
87 22.3 22.9 34.3#

59 11.2 9.3 13.9



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: 185.305 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

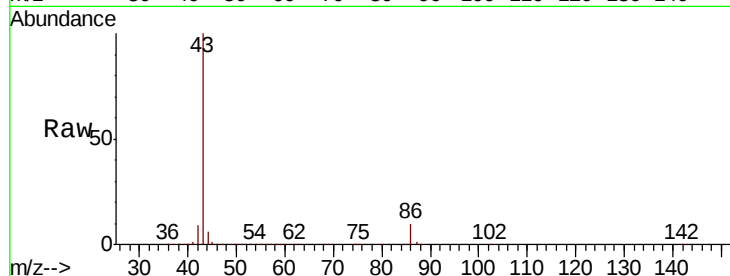
ClientSampleId :

Tot Ion: 43 Resp: 1453028

Ion Ratio Lower Upper

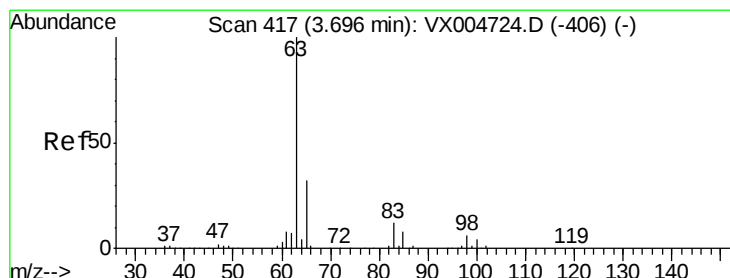
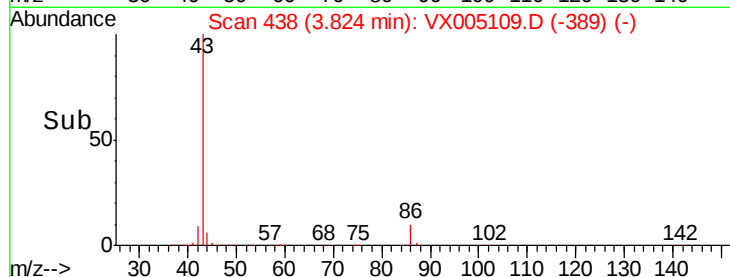
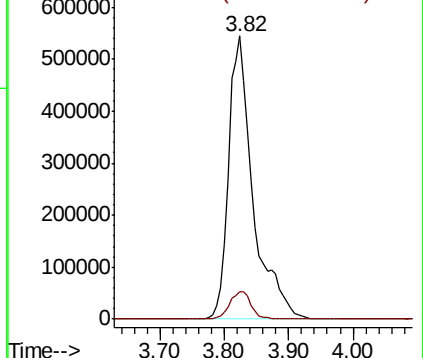
43 100

86 9.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.792 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

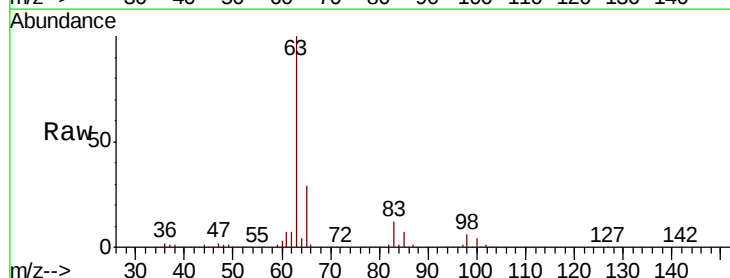
Tgt Ion: 63 Resp: 269765

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

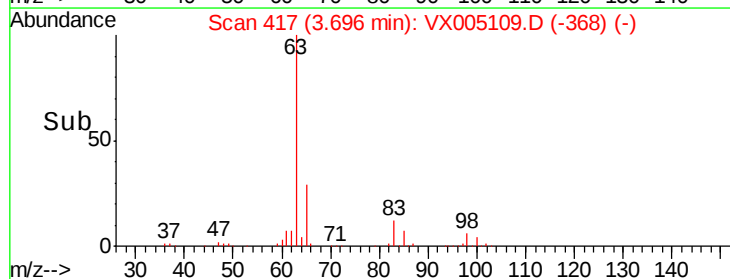
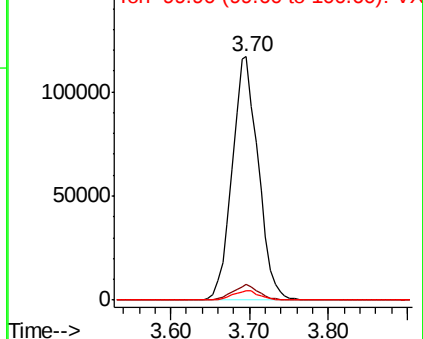
100 3.7 2.0 5.8

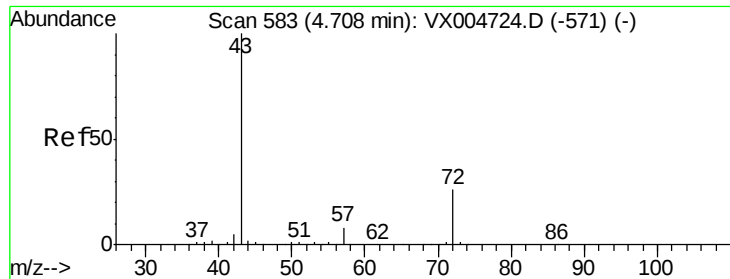


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 265.921 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

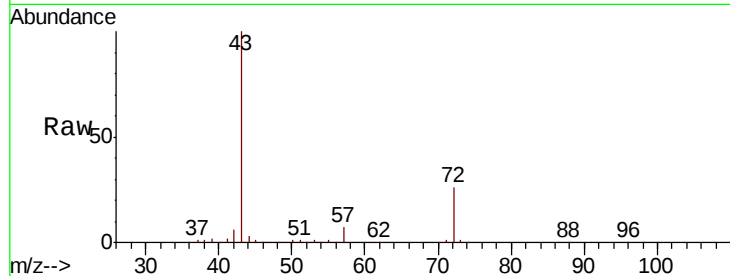
ClientSampleId :

Tot Ion: 43 Resp: 703420

Ion Ratio Lower Upper

43 100

72 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

100000

50000

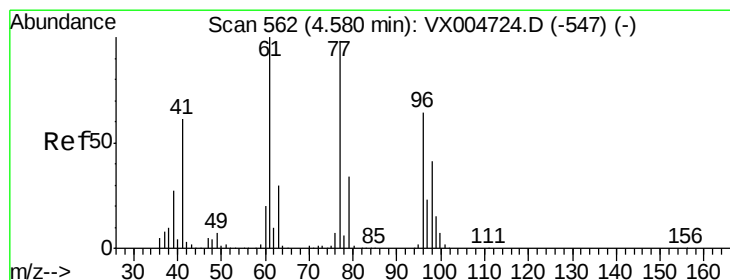
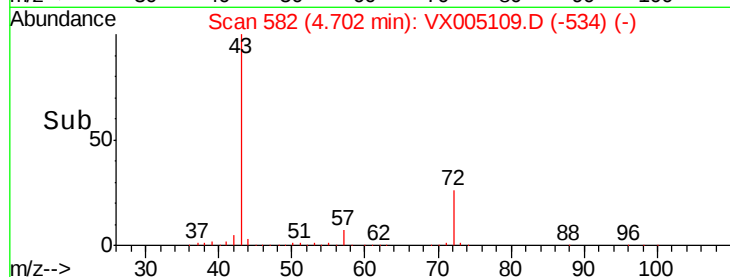
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 27.490 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005109.D

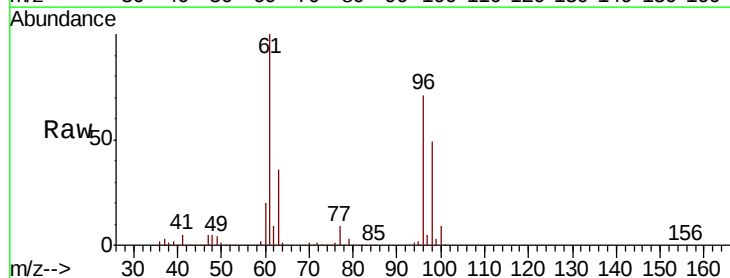
Acq: 06 Oct 2018 11:19

Tgt Ion: 77 Resp: 97817

Ion Ratio Lower Upper

77 100

97 54.1 12.6 37.8#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

0

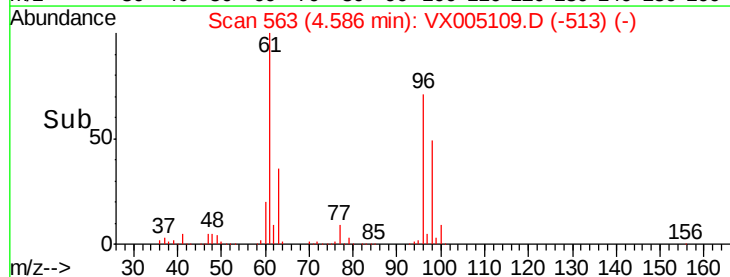
4.40

4.50

4.60

4.70

Time-->



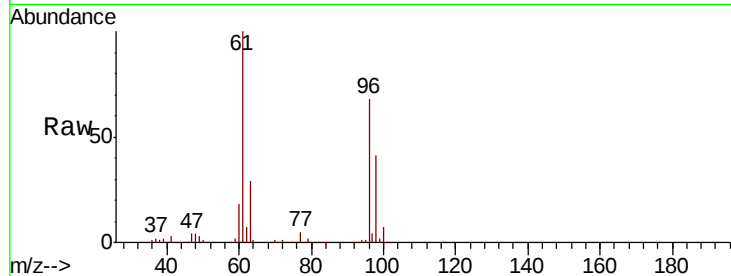


#27

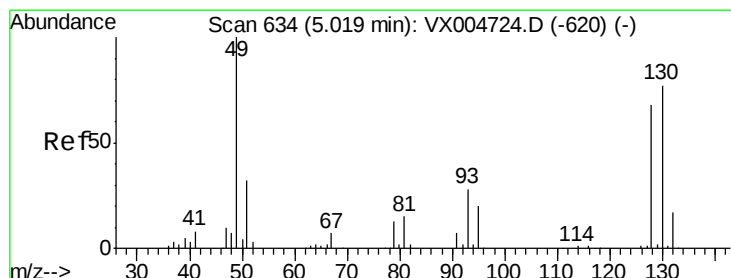
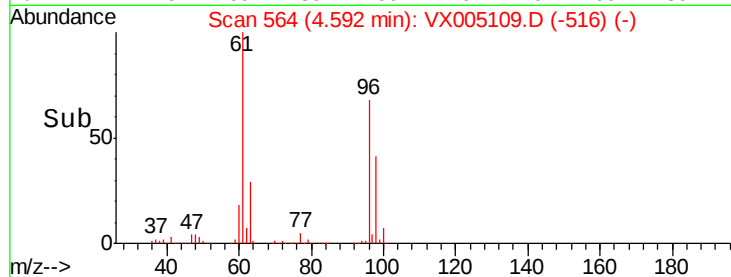
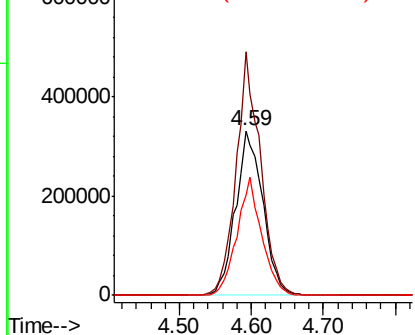
cis-1,2-Dichloroethene
 Concen: 304.347 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	285.8
98	65.2	0.0	136.2



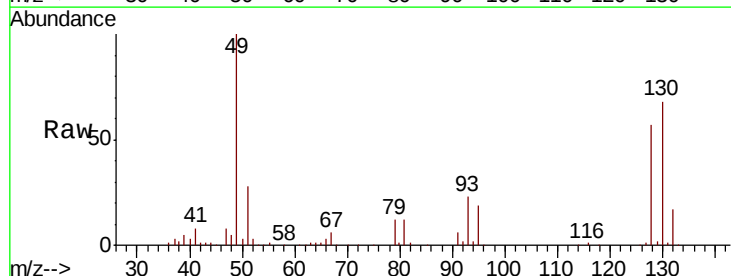
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



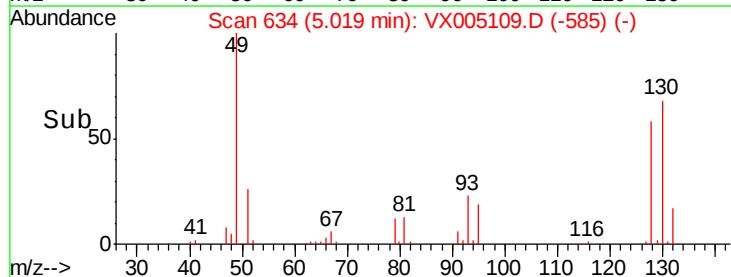
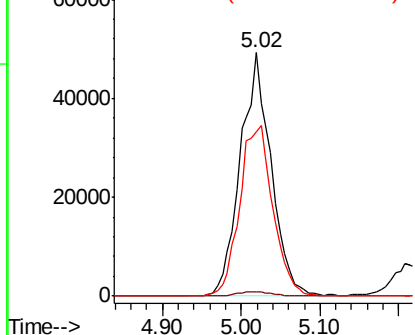
#28

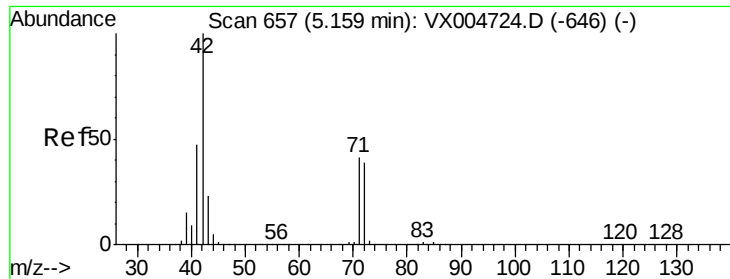
Bromochloromethane
 Concen: 55.609 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	75.6	62.0	93.0



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: 277.080 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

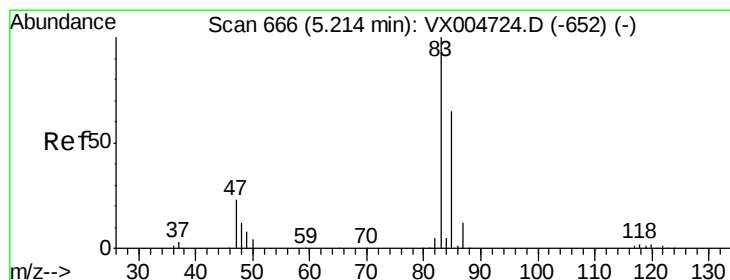
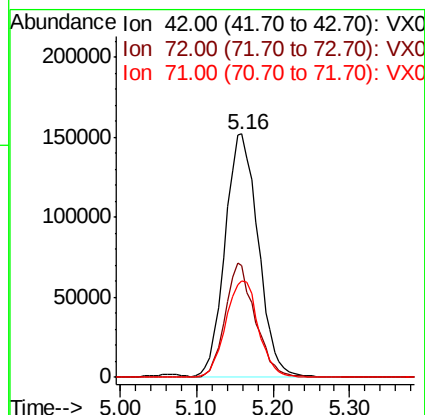
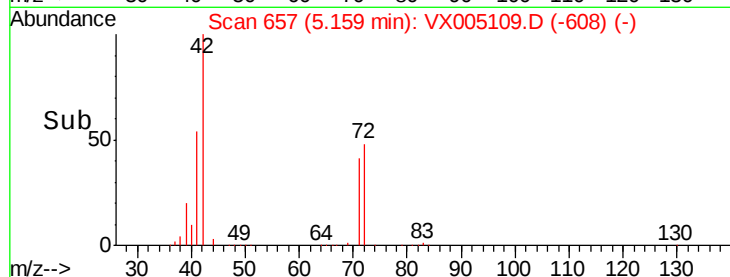
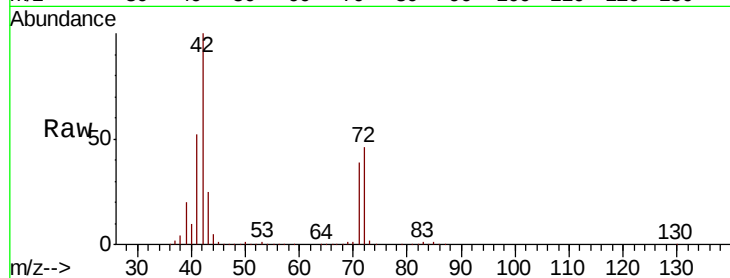
Tot Ion: 42 Resp: 455546

Ion Ratio Lower Upper

42 100

72 42.7 33.7 50.5

71 39.3 32.2 48.4



#30

Chloroform

Concen: 50.995 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005109.D

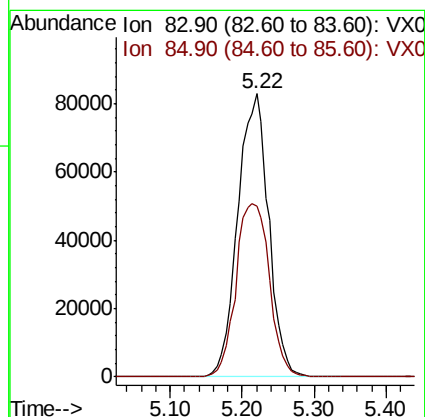
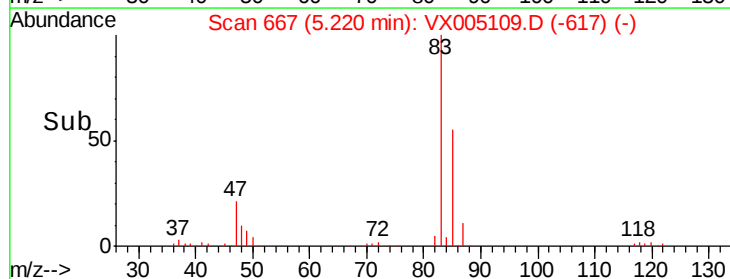
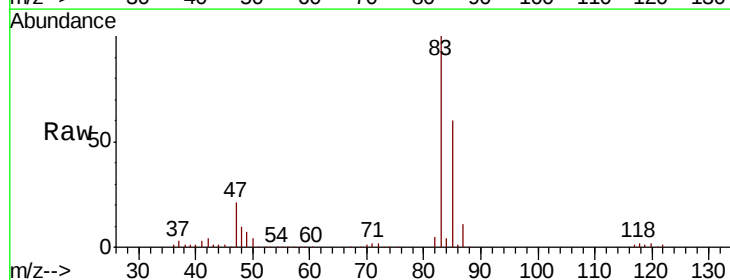
Acq: 06 Oct 2018 11:19

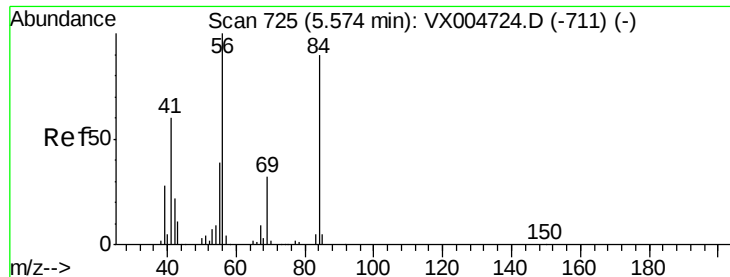
Tgt Ion: 83 Resp: 246272

Ion Ratio Lower Upper

83 100

85 60.3 52.4 78.6

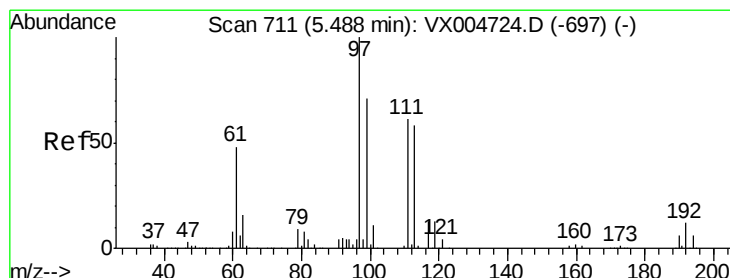
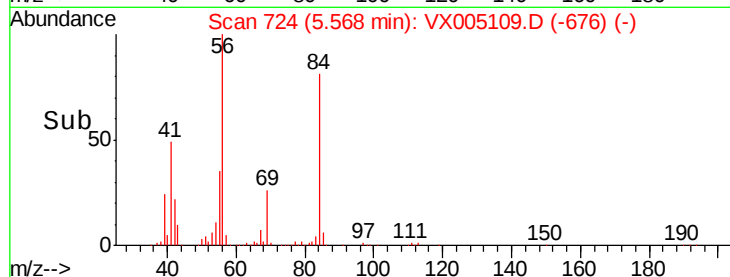
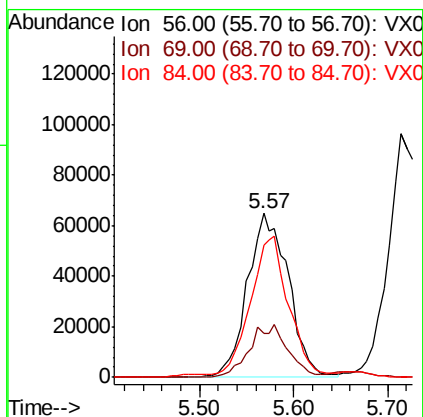
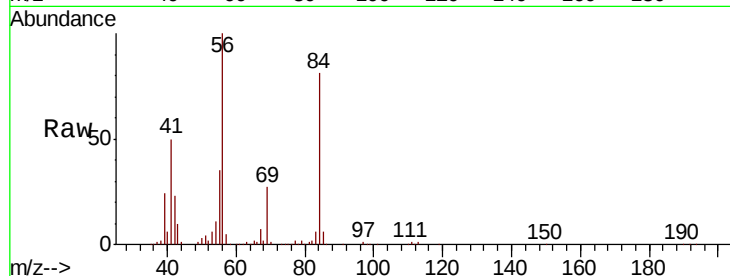




#31
Cyclohexane
Concen: 50.269 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

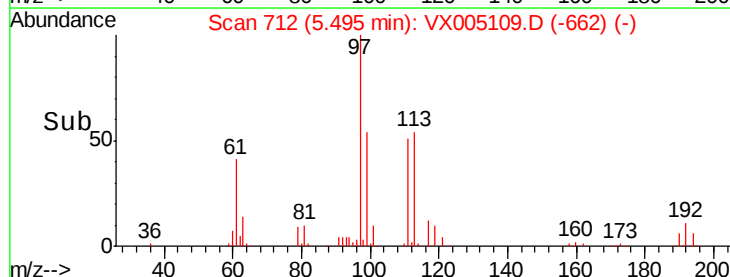
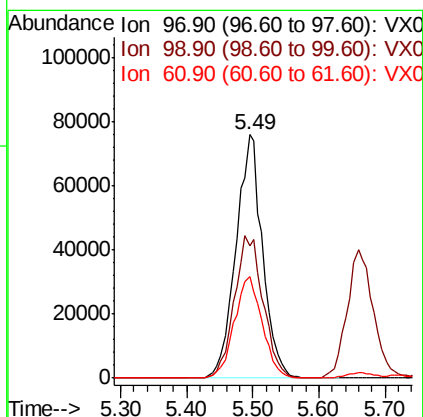
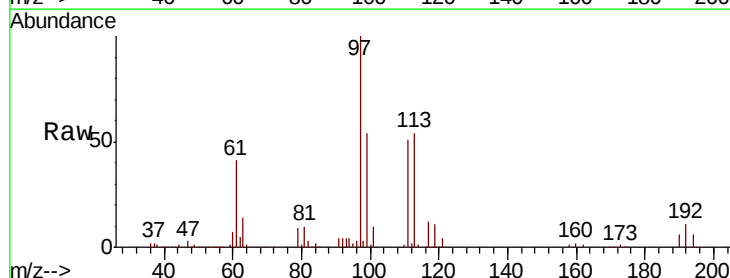
Instrument :
MSVOA_X
ClientSampleId :

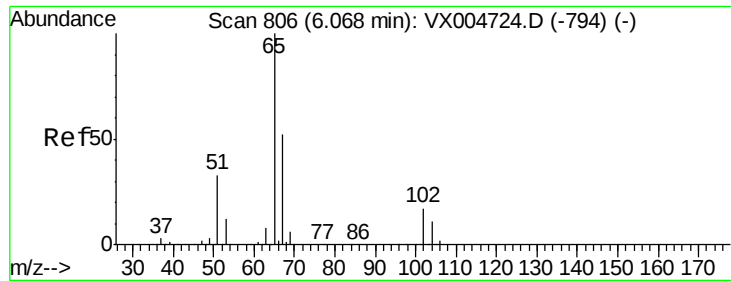
Tot Ion: 56 Resp: 196603
Ion Ratio Lower Upper
56 100
69 26.5 25.9 38.9
84 79.5 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 53.452 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 97 Resp: 210819
Ion Ratio Lower Upper
97 100
99 63.3 54.6 82.0
61 43.8 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 49.741 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

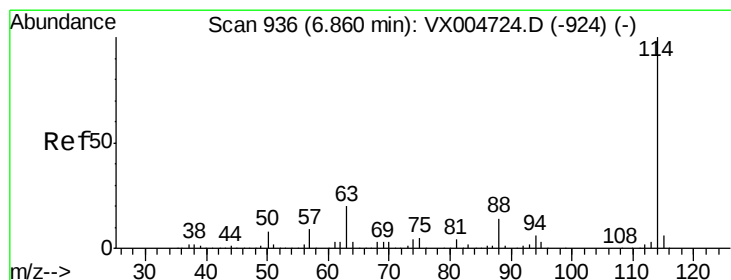
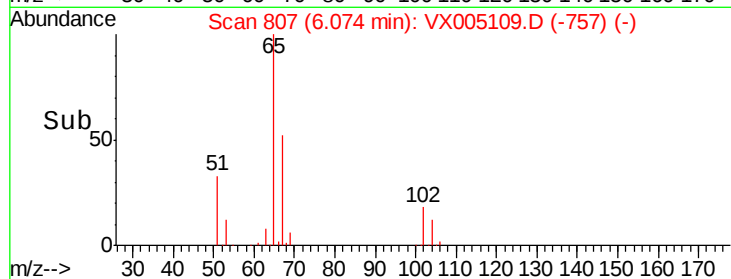
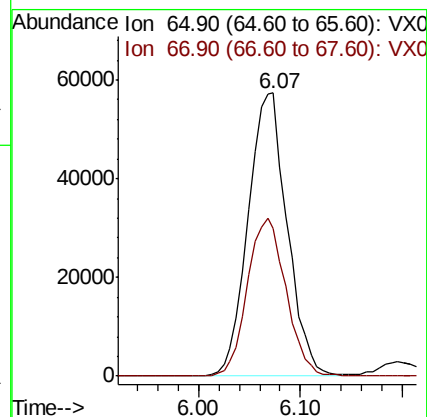
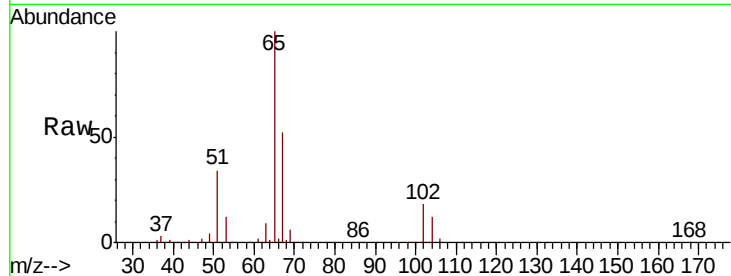
ClientSampleId :

Tot Ion: 65 Resp: 152895

Ion Ratio Lower Upper

65 100

67 55.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

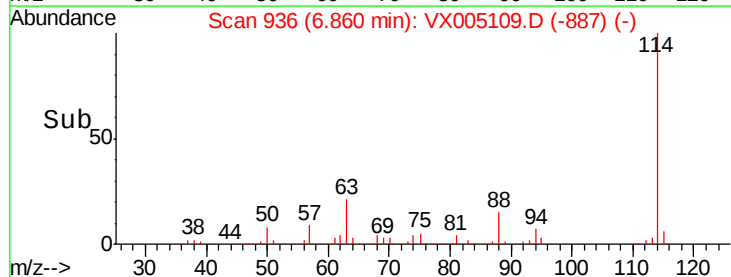
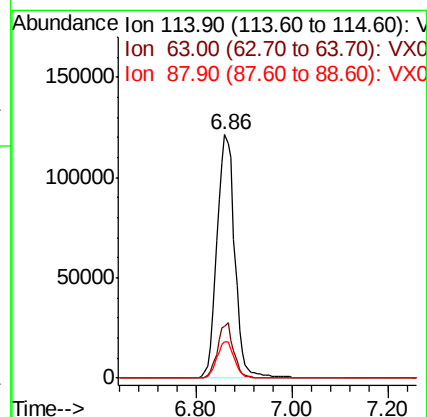
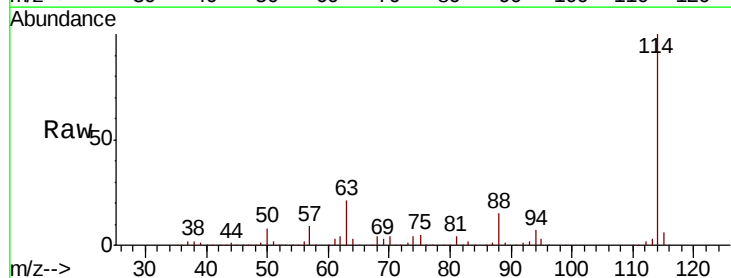
Tgt Ion: 114 Resp: 314129

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

88 15.0 0.0 27.0





#35

Dibromofluoromethane

Concen: 51.400 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

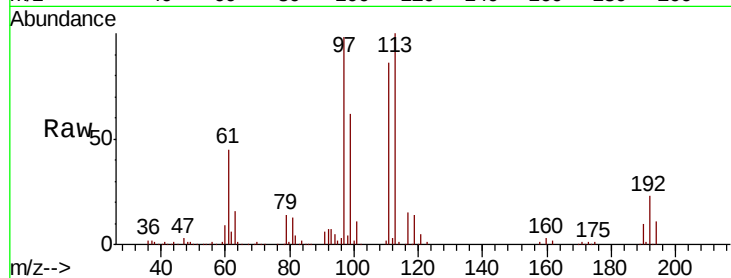
Tot Ion:113 Resp: 136842

Ion Ratio Lower Upper

113 100

111 97.8 77.0 115.4

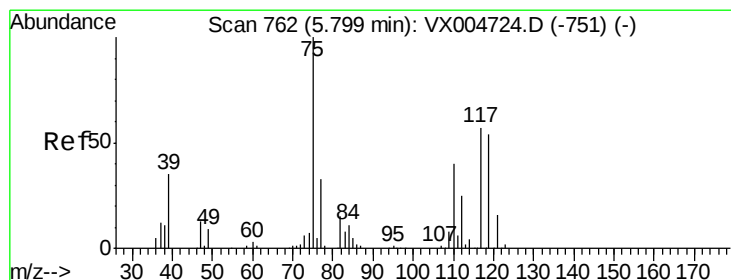
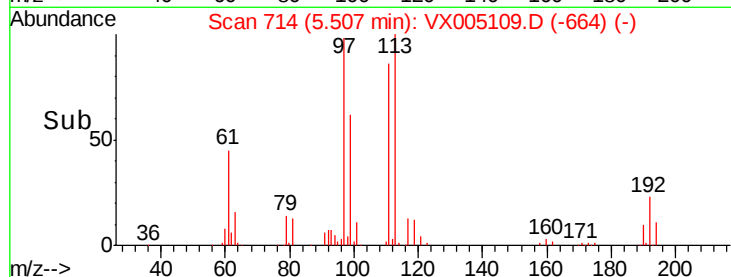
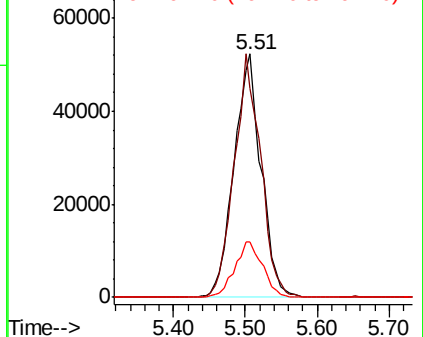
192 23.4 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.518 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

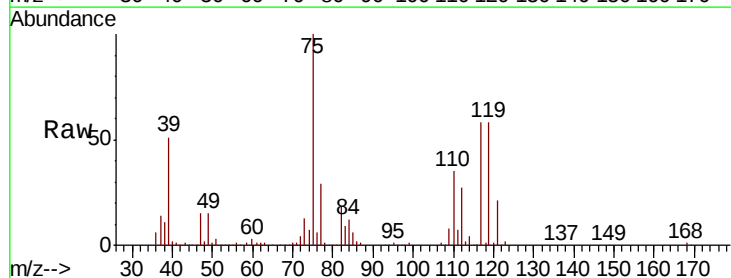
Tgt Ion: 75 Resp: 168971

Ion Ratio Lower Upper

75 100

110 36.8 20.0 59.9

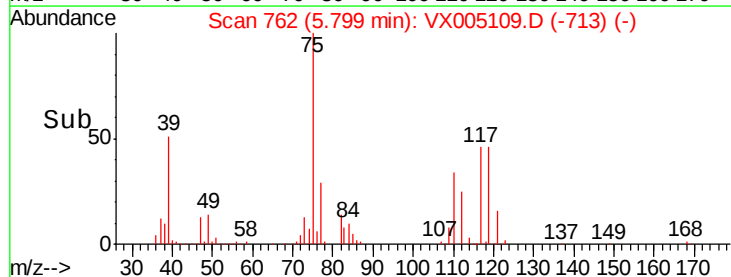
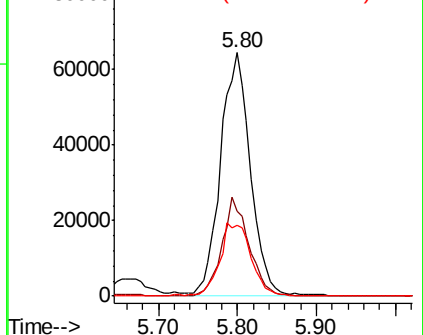
77 31.0 27.1 40.7

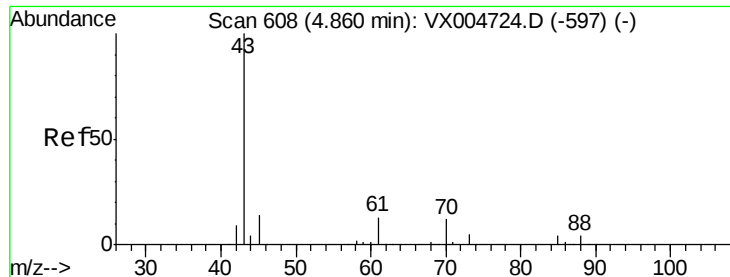


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 38.282 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

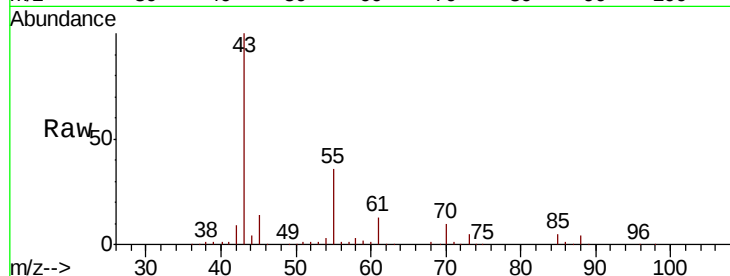
Tot Ion: 43 Resp: 184582

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

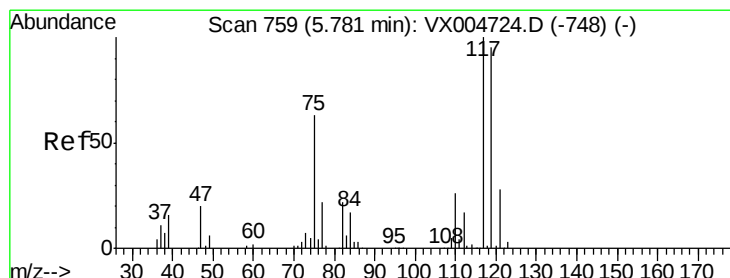
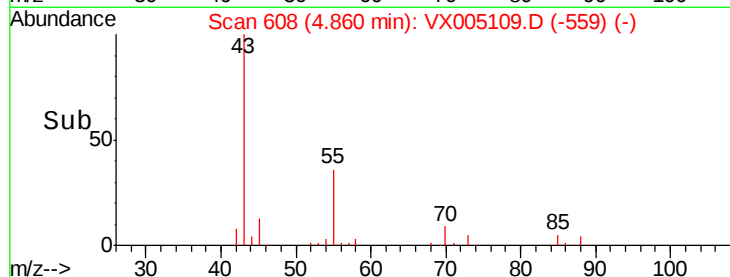
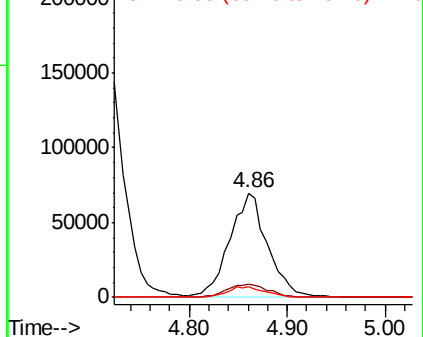
70 10.5 8.7 13.1



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: 45.517 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

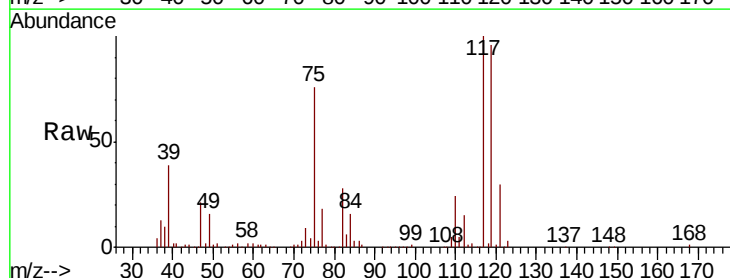
Tgt Ion: 117 Resp: 173795

Ion Ratio Lower Upper

117 100

119 96.0 75.2 112.8

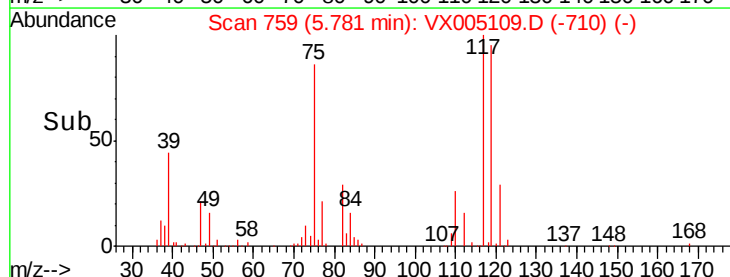
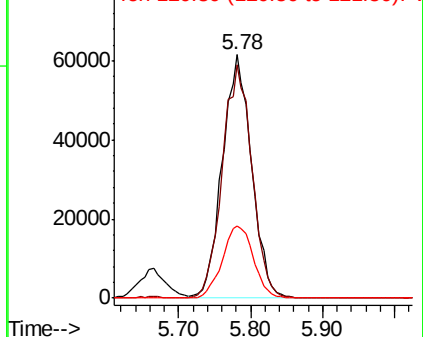
121 29.7 22.5 33.7

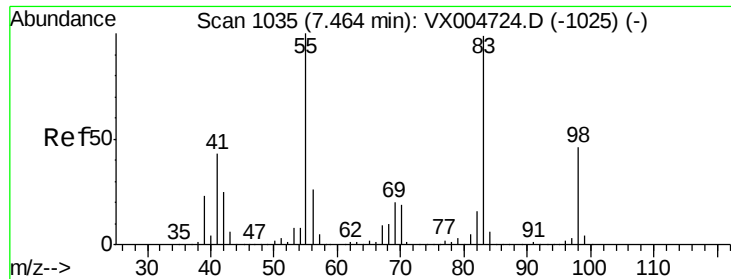


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

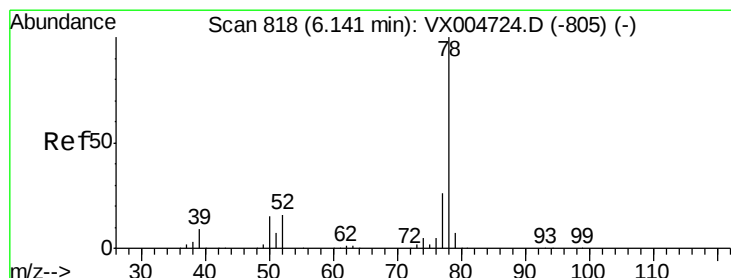
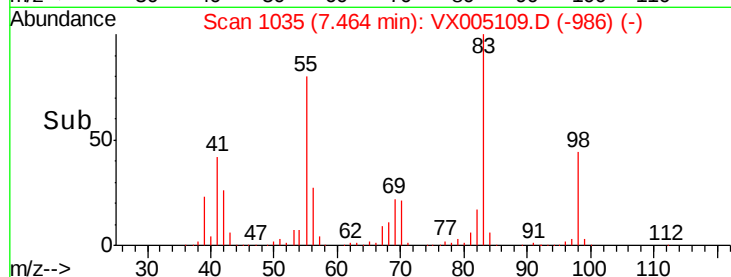
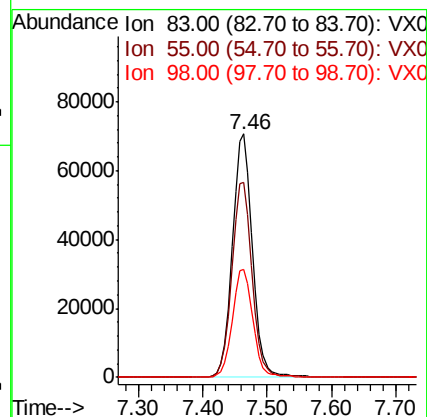
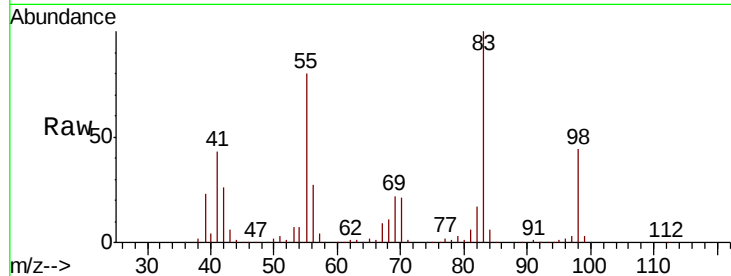




#39
Methvlcvclohexane
Concen: 41.834 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

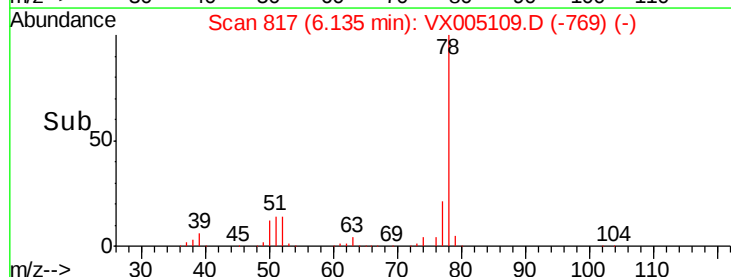
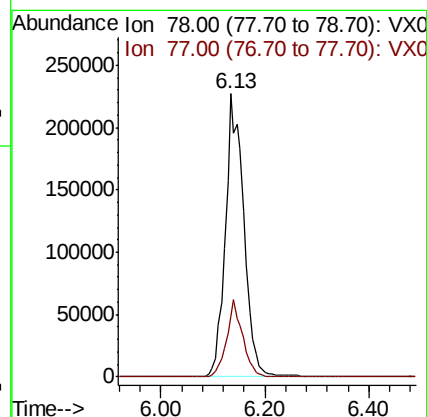
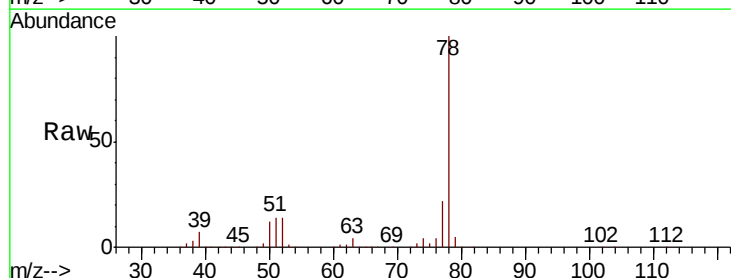
Instrument :
MSVOA_X
ClientSampleId :

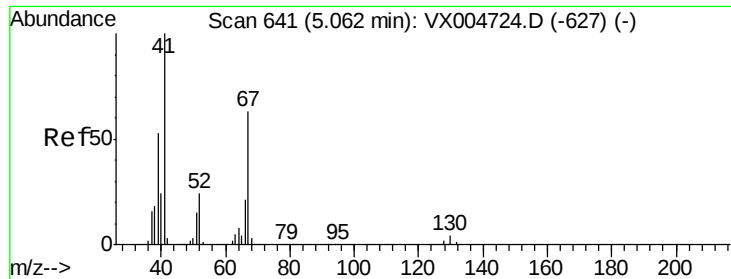
Tot Ion: 83 Resp: 155164
Ion Ratio Lower Upper
83 100
55 80.1 81.1 121.7#
98 44.5 37.3 55.9



#40
Benzene
Concen: 50.093 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 78 Resp: 569647
Ion Ratio Lower Upper
78 100
77 21.5 21.0 31.4

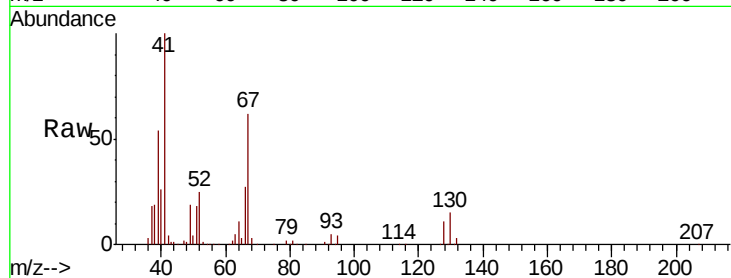




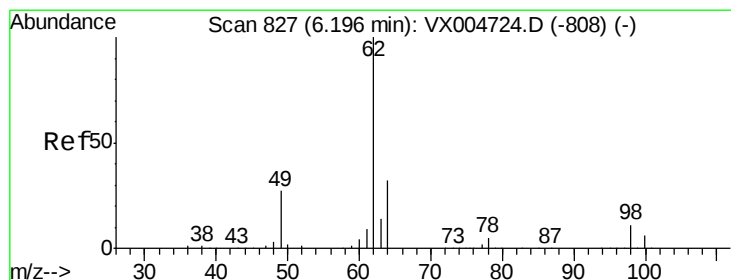
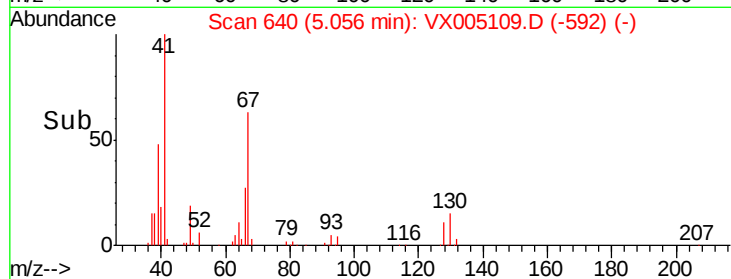
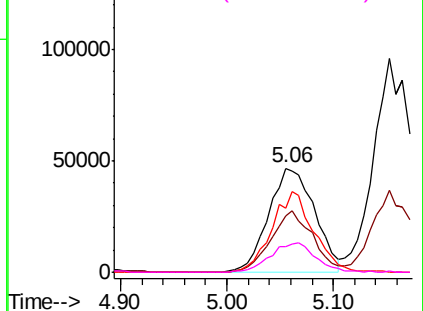
#41
Methacrylonitrile
Concen: 52.087 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	139278
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.5	63.7
67	70.9	53.0	79.6
52	27.7	19.8	29.8

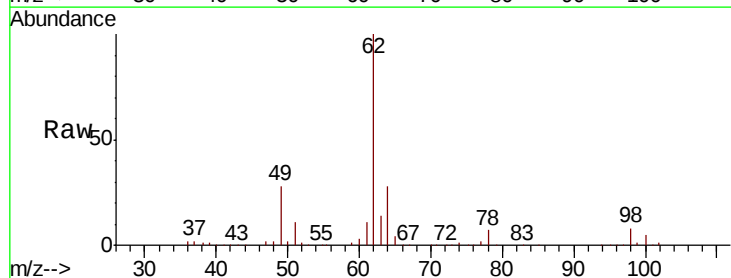


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

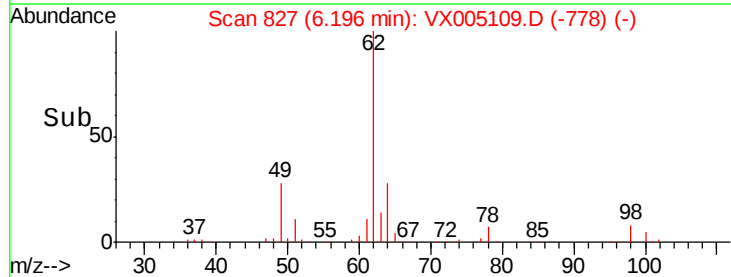
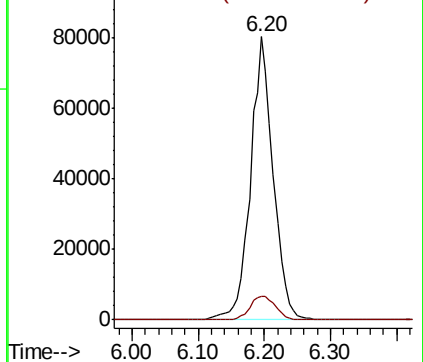


#42
1,2-Dichloroethane
Concen: 47.670 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion:	62	Resp:	191636
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 43.261 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

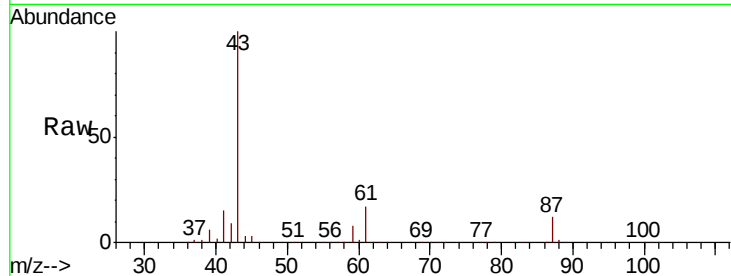
Tot Ion: 43 Resp: 301062

Ion Ratio Lower Upper

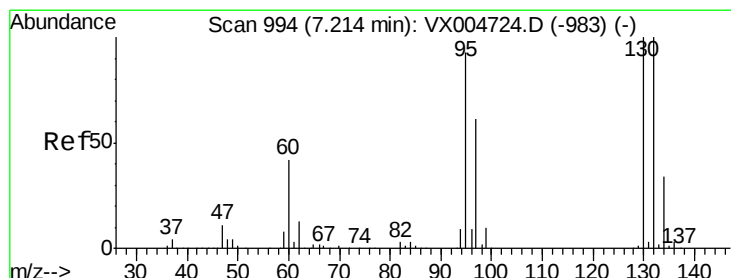
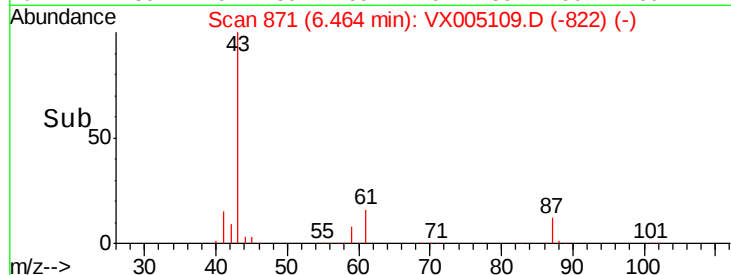
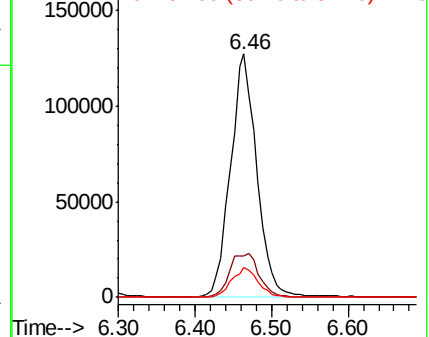
43 100

61 20.4 14.2 21.4

87 12.3 9.3 13.9



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: 49.633 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005109.D

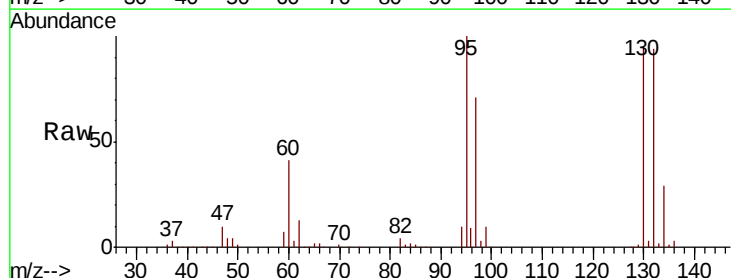
Acq: 06 Oct 2018 11:19

Tgt Ion:130 Resp: 138751

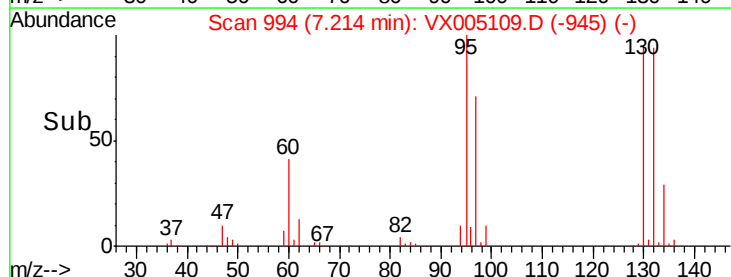
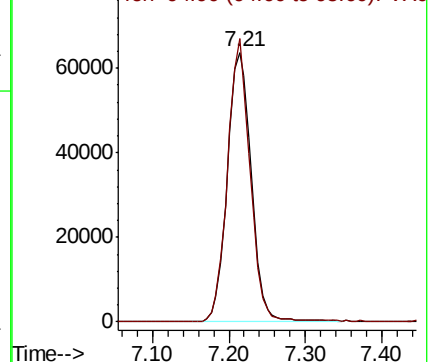
Ion Ratio Lower Upper

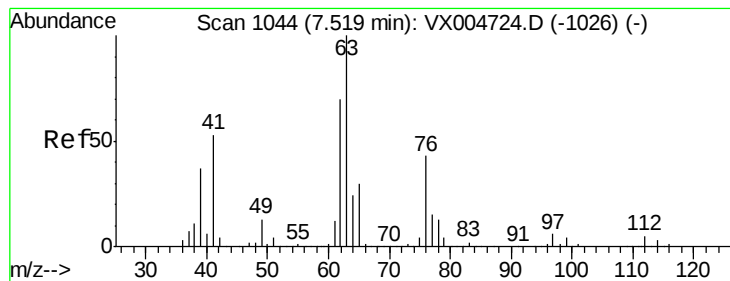
130 100

95 105.0 0.0 186.8



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





#45

1,2-Dichloropropane

Concen: 47.615 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

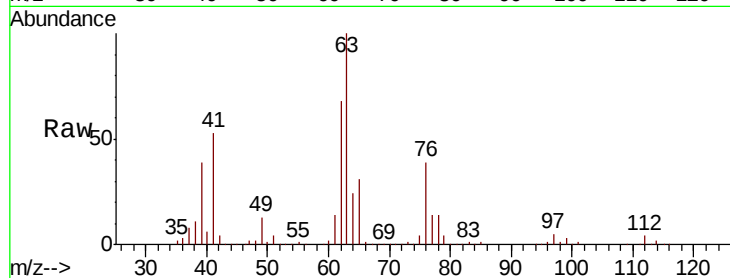
ClientSampleId :

Tot Ion: 63 Resp: 132785

Ion Ratio Lower Upper

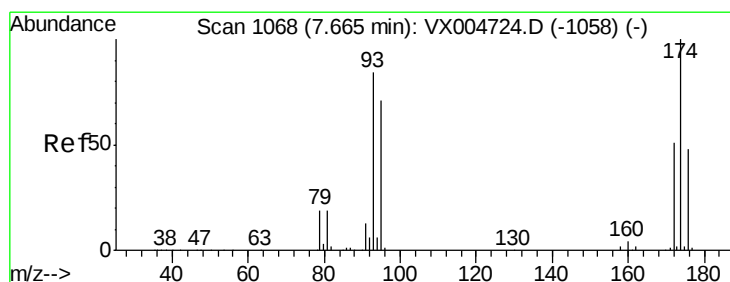
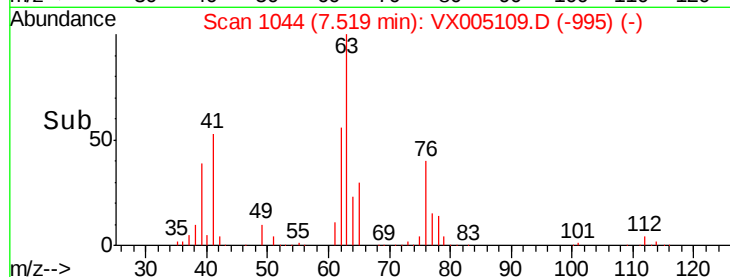
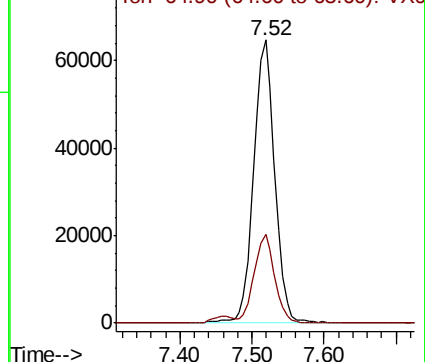
63 100

65 31.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.706 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

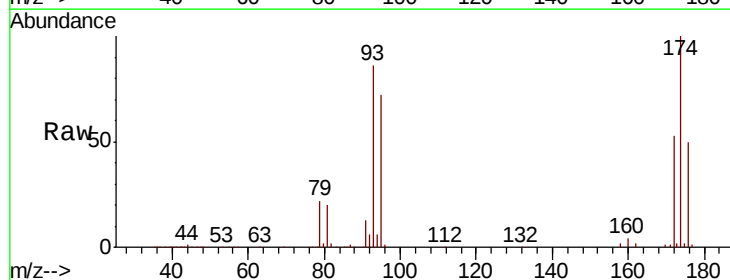
Tgt Ion: 93 Resp: 85362

Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

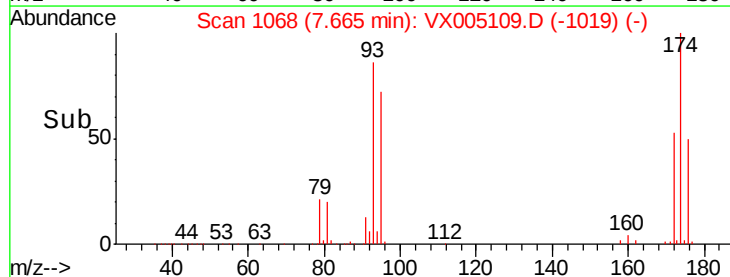
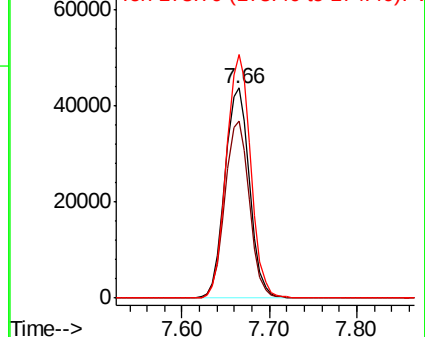
174 114.4 92.7 139.1

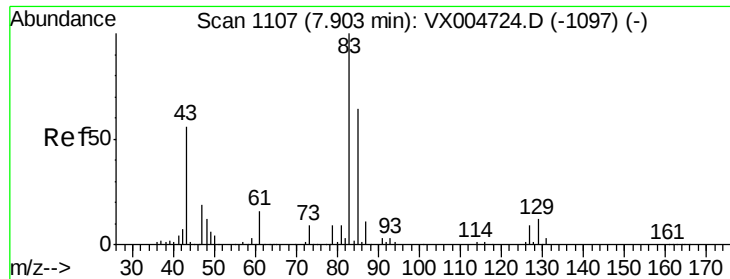


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.004 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

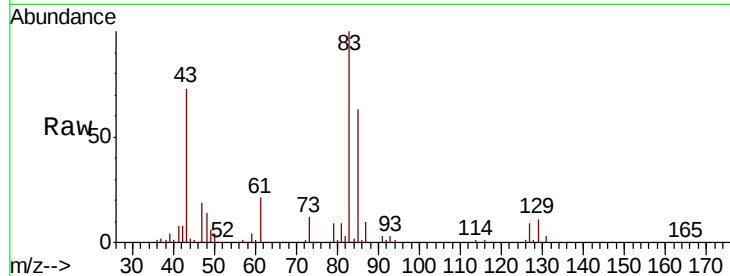
Tot Ion: 83 Resp: 167362

Ion Ratio Lower Upper

83 100

85 62.6 51.2 76.8

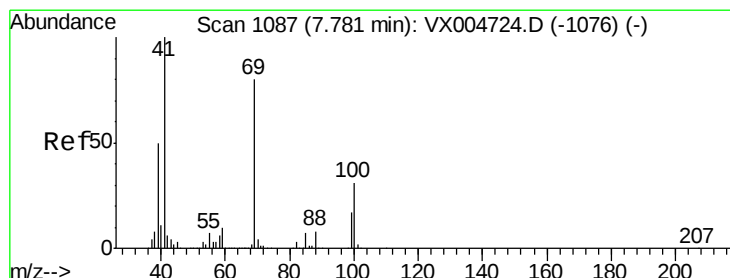
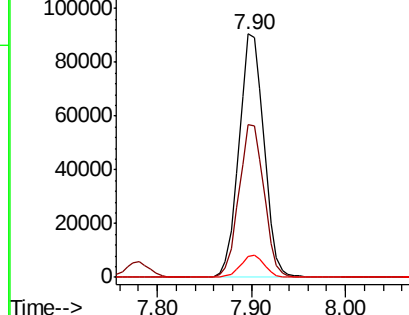
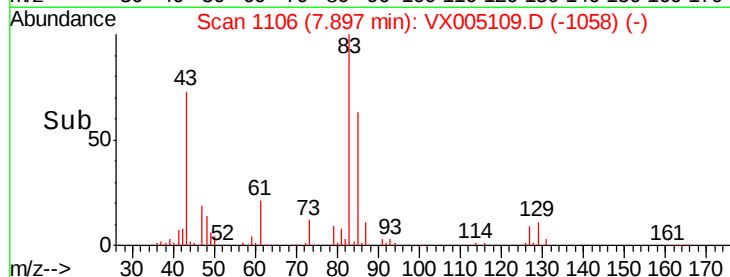
127 8.6 7.0 10.6



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: 53.146 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

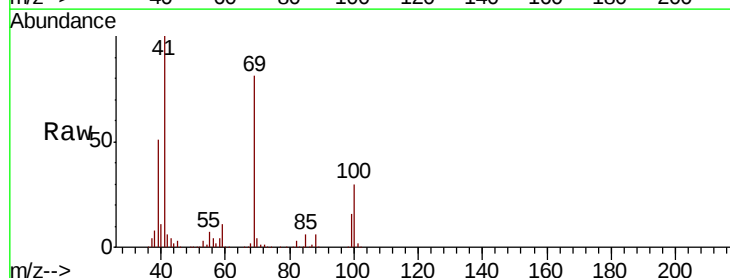
Tgt Ion: 41 Resp: 167873

Ion Ratio Lower Upper

41 100

69 81.5 63.8 95.6

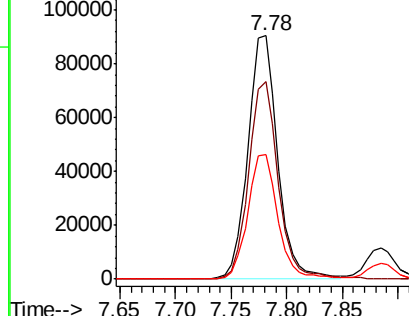
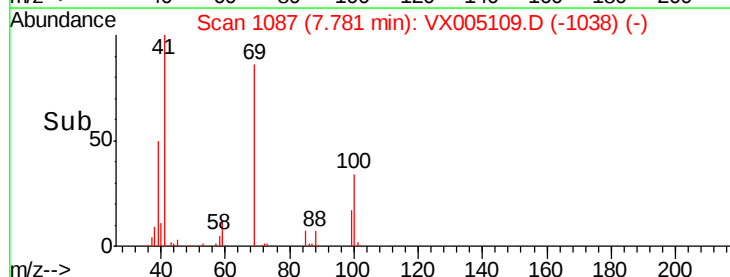
39 51.6 40.7 61.1

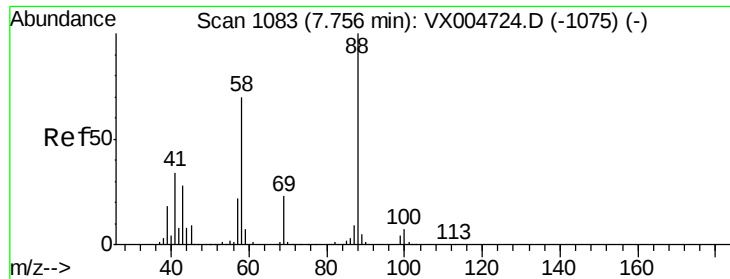


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

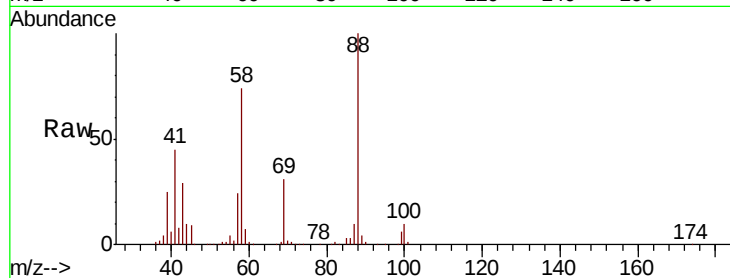




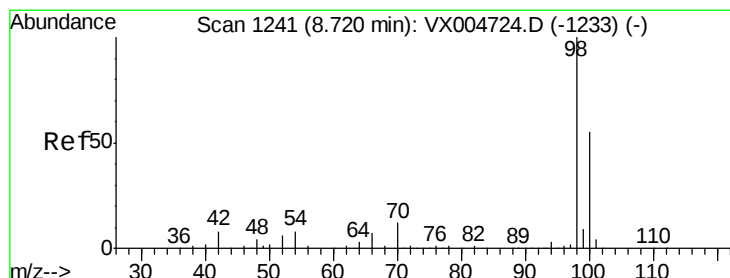
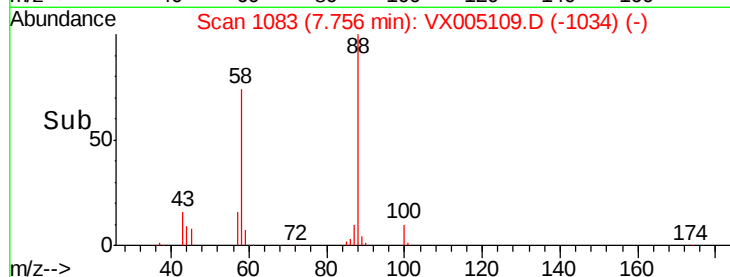
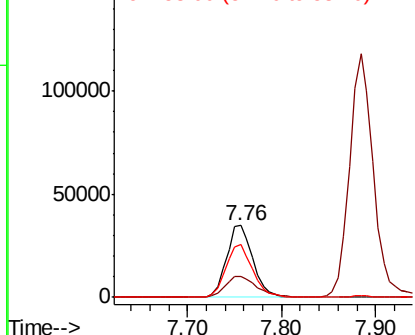
#49
1,4-Dioxane
Concen: 858.283 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 67353
Ion Ratio Lower Upper
88 100
43 34.4 25.1 37.7
58 75.1 56.2 84.2

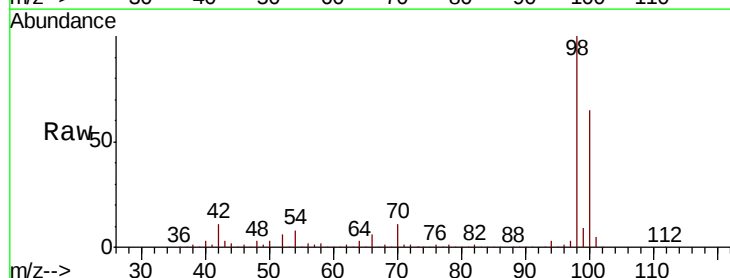


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

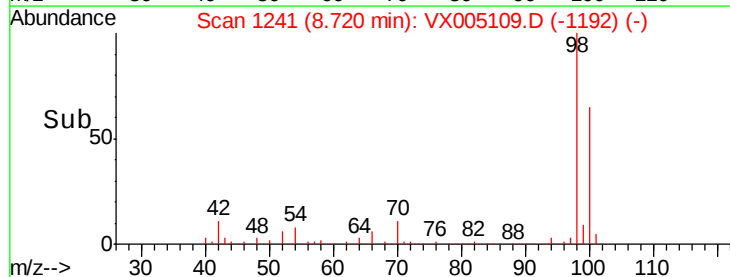
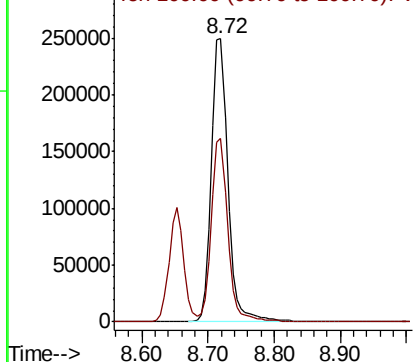


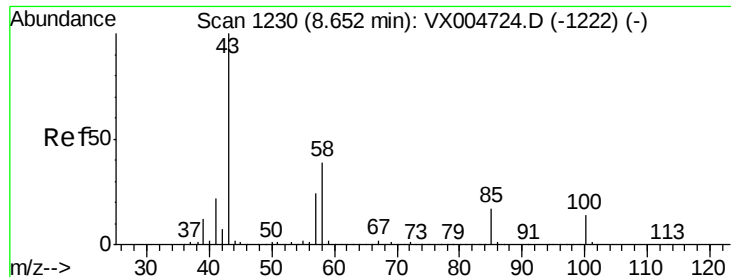
#50
Toluene-d8
Concen: 48.842 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 98 Resp: 432288
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 261.565 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

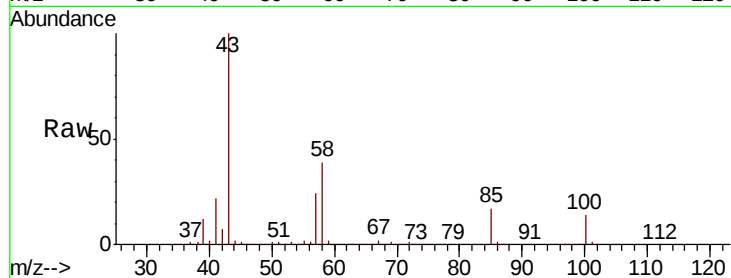
ClientSampleId :

Tot Ion: 43 Resp: 1146136

Ion Ratio Lower Upper

43 100

58 38.8 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-1222) (-)

Ion 58.00 (57.70 to 58.70): VX004724.D (-1222) (-)

8.65

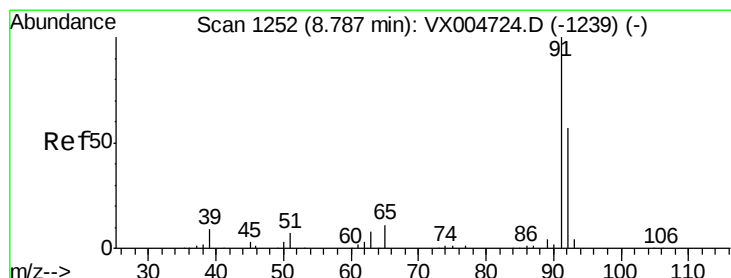
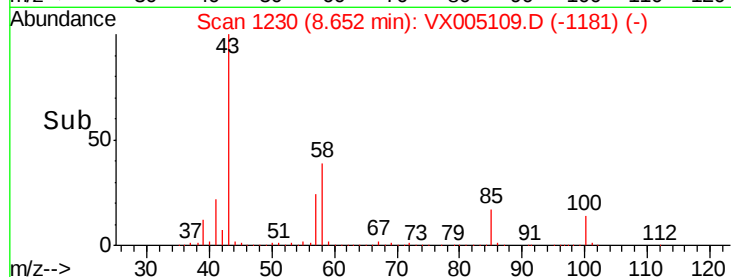
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.275 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005109.D

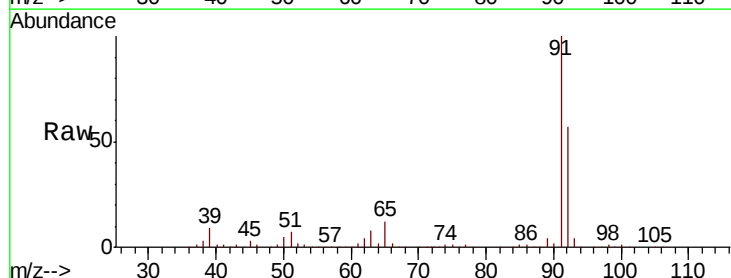
Acq: 06 Oct 2018 11:19

Tgt Ion: 92 Resp: 301649

Ion Ratio Lower Upper

92 100

91 175.3 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX004724.D (-1239) (-)

Ion 91.00 (90.70 to 91.70): VX004724.D (-1239) (-)

8.79

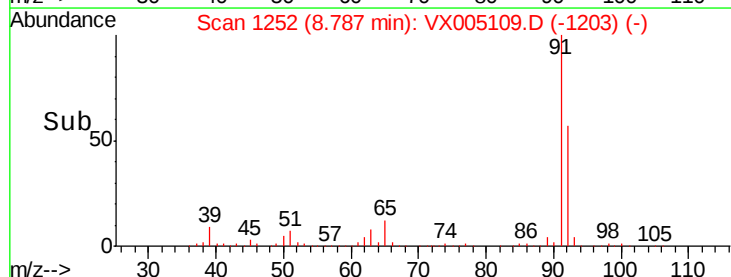
300000

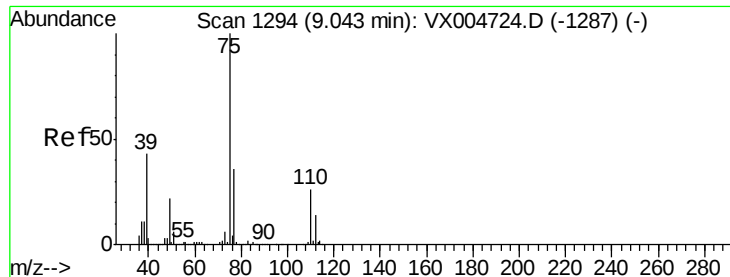
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.313 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

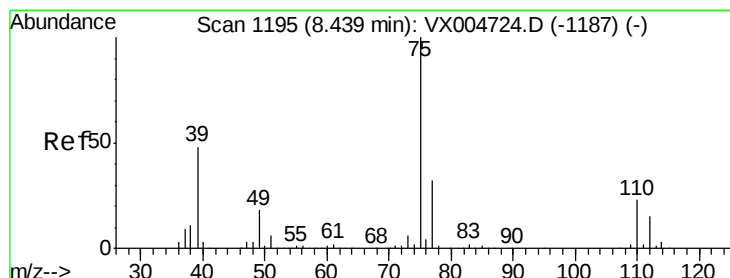
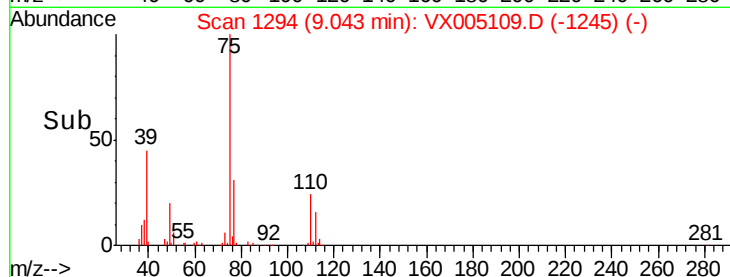
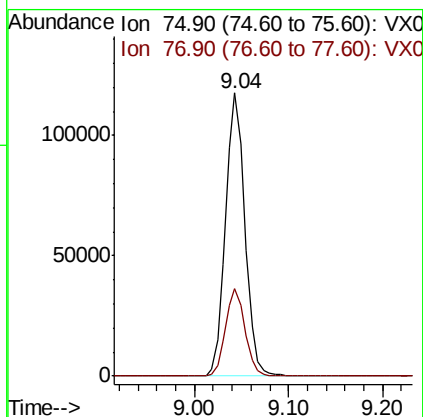
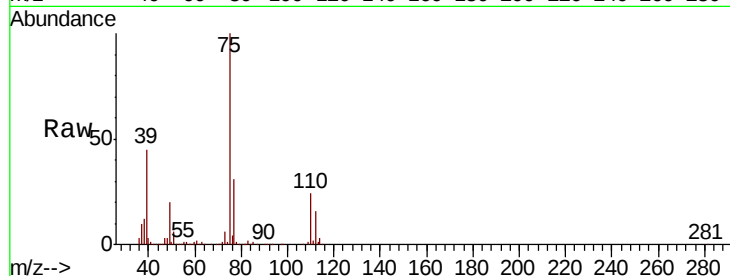
ClientSampleId :

Tot Ion: 75 Resp: 168023

Ion Ratio Lower Upper

75 100

77 31.0 28.9 43.3



#54

cis-1,3-Dichloropropene

Concen: 45.392 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

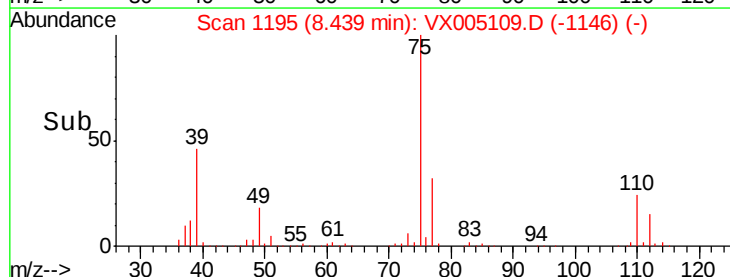
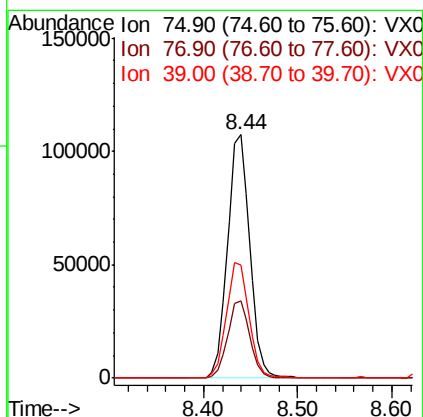
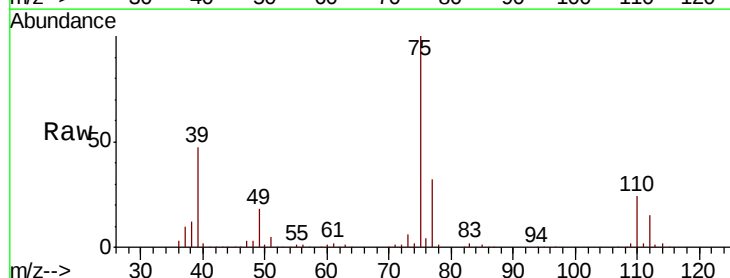
Tgt Ion: 75 Resp: 176298

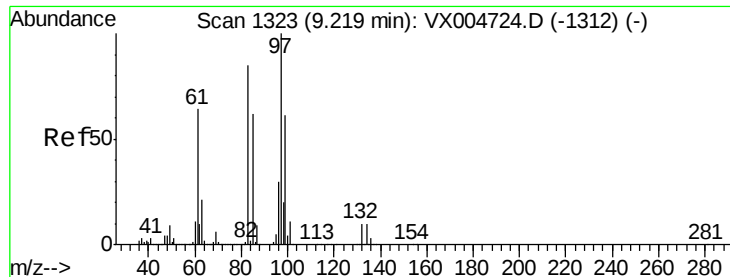
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 46.4 38.3 57.5

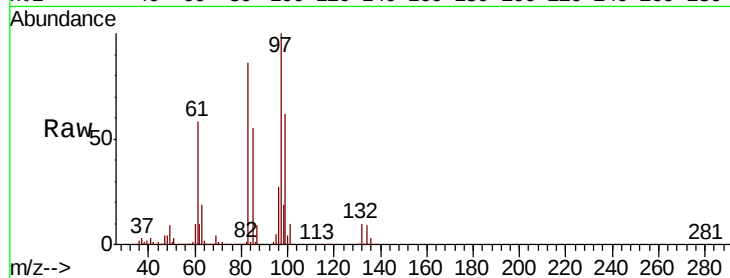




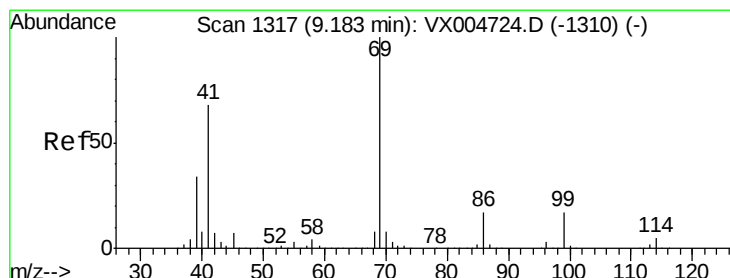
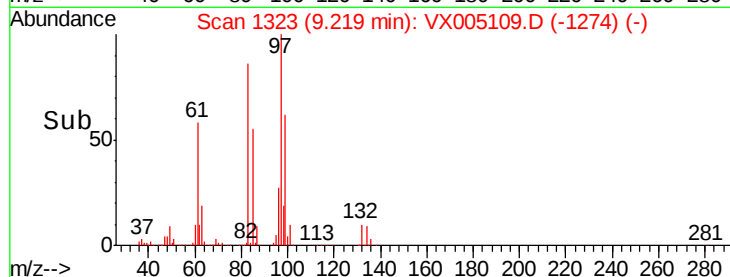
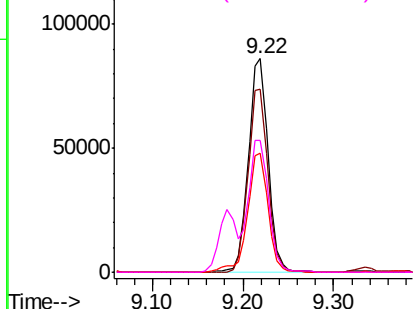
#55
 1,1,2-Trichloroethane
 Concen: 47.420 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:	97	Resp:	129794
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.2	102.2
85	55.5	49.9	74.9
99	62.0	48.9	73.3

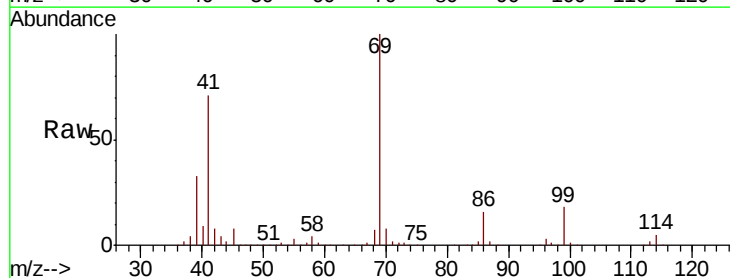


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

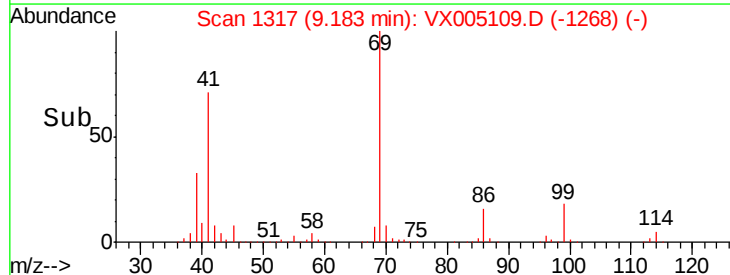
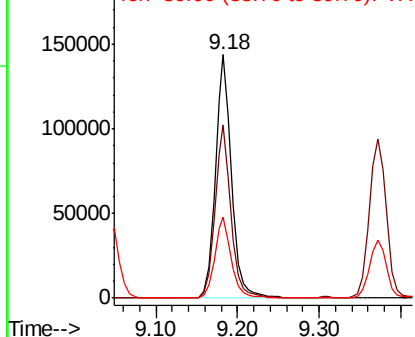


#56
 Ethyl methacrylate
 Concen: 45.688 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion:	69	Resp:	201764
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.9	85.3
39	33.9	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

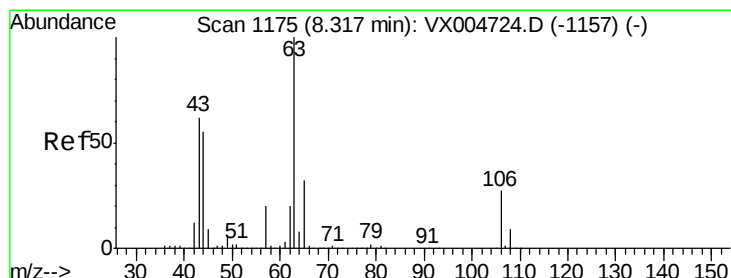
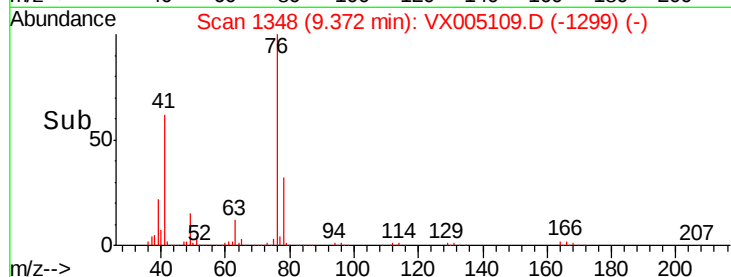
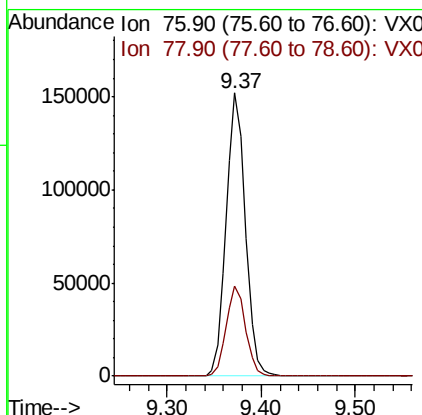
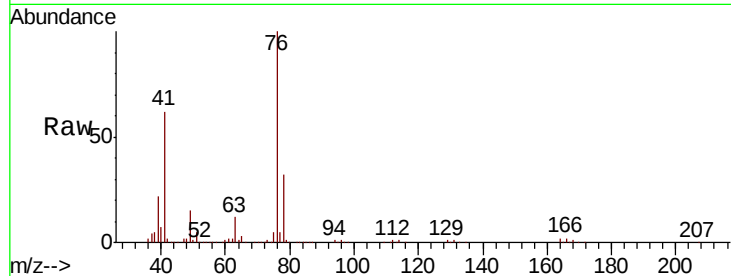




#57
 1,3-Dichloropropane
 Concen: 47.382 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

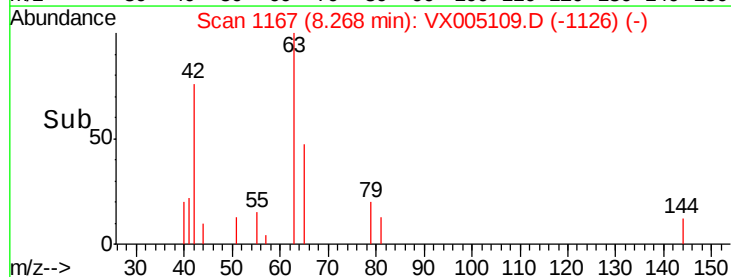
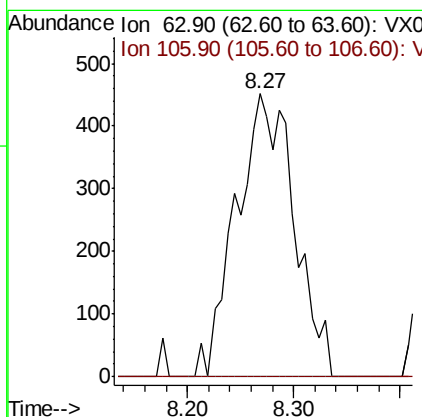
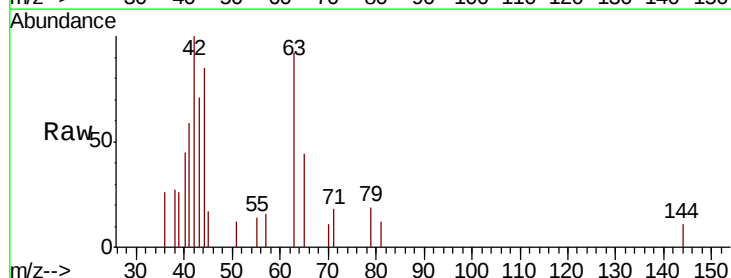
Instrument :
 MSVOA_X
 ClientSampleId :

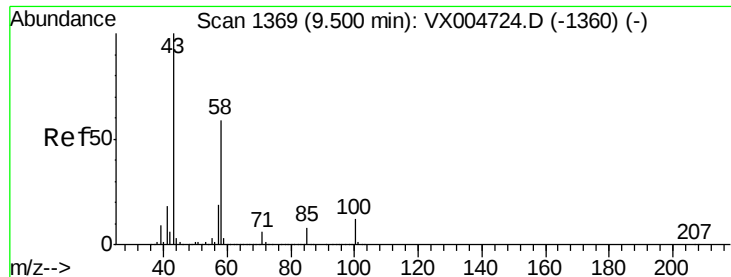
Tot Ion: 76 Resp: 215846
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.930 ug/l
 RT: 8.27 min Scan# 1167
 Delta R.T. -0.05 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion: 63 Resp: 1720
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#

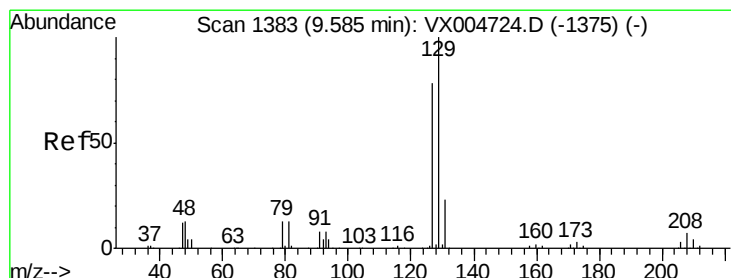
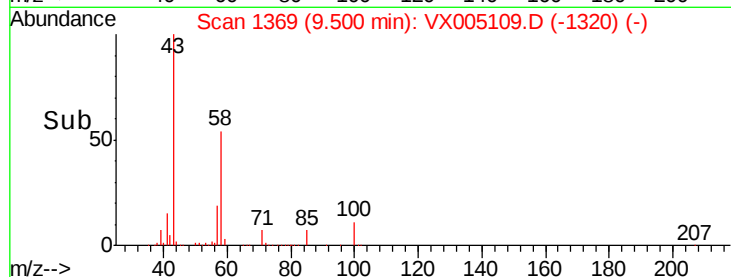
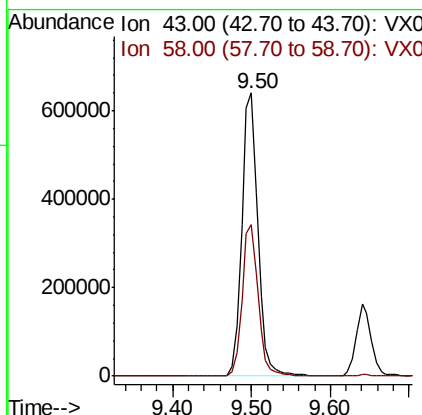
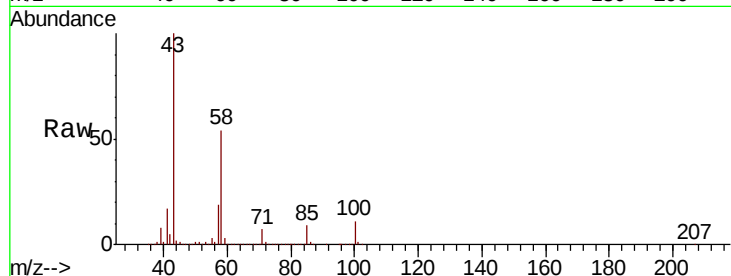




#59
2-Hexanone
Concen: 248.454 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

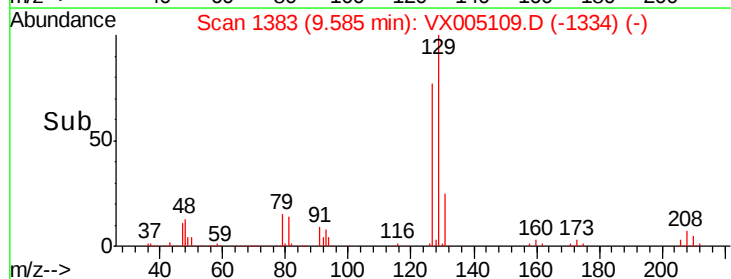
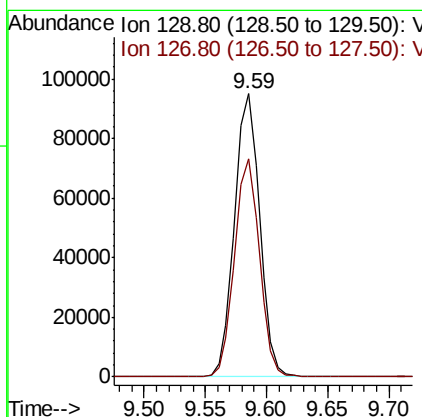
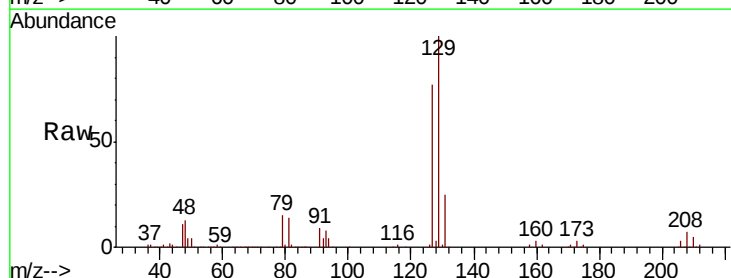
Instrument :
MSVOA_X
ClientSampleId :

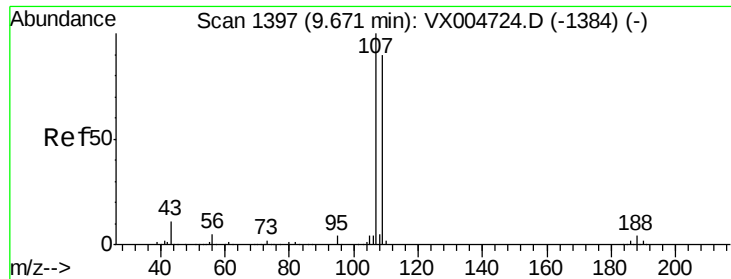
Tot Ion: 43 Resp: 907225
Ion Ratio Lower Upper
43 100
58 53.4 28.4 85.3



#60
Dibromochloromethane
Concen: 49.374 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 129 Resp: 135152
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 44.702 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

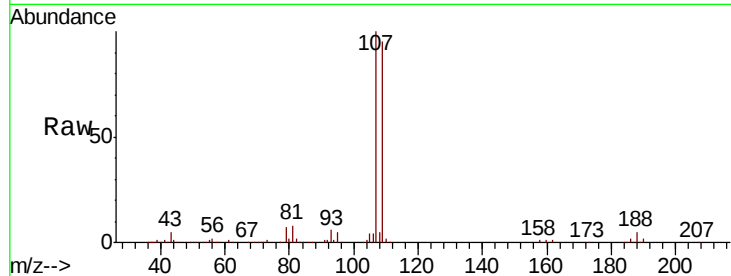
ClientSampleId :

Tot Ion:107 Resp: 131035

Ion Ratio Lower Upper

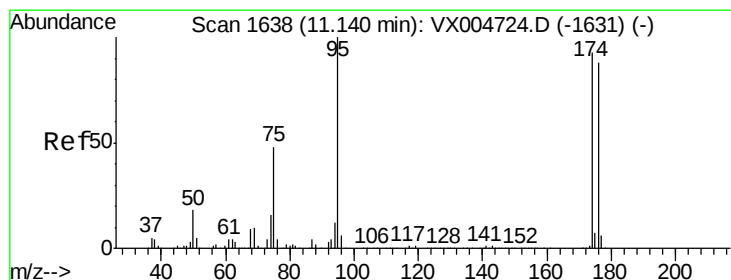
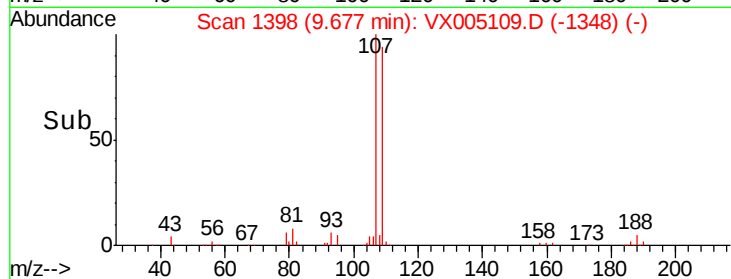
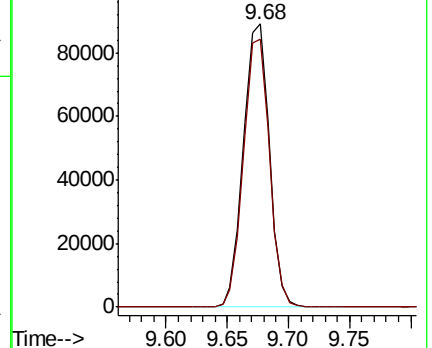
107 100

109 95.0 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.186 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

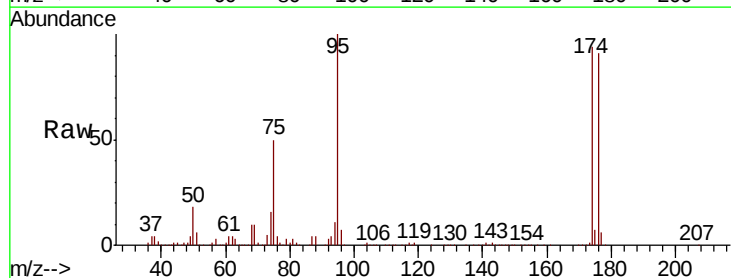
Tgt Ion: 95 Resp: 163207

Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.0

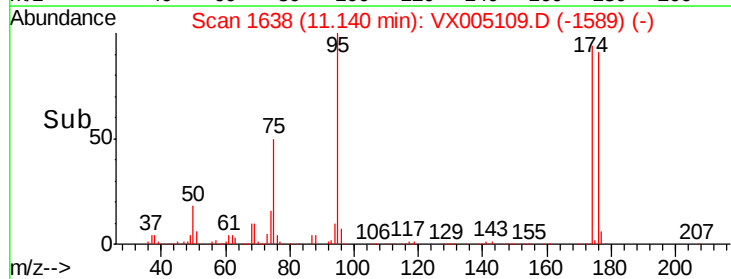
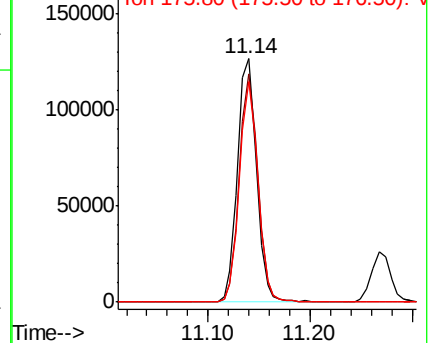
176 88.2 0.0 180.2

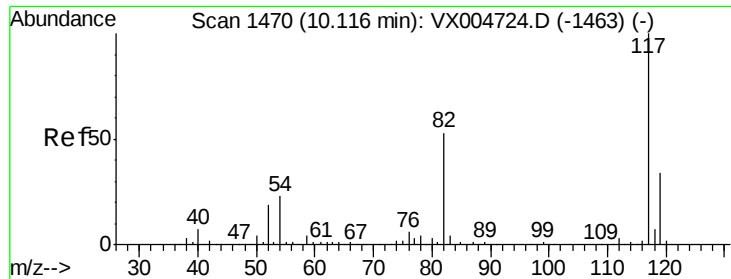


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

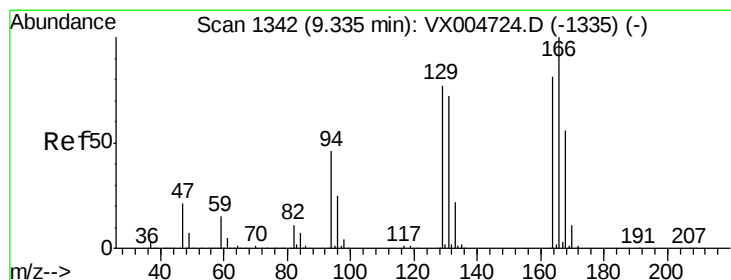
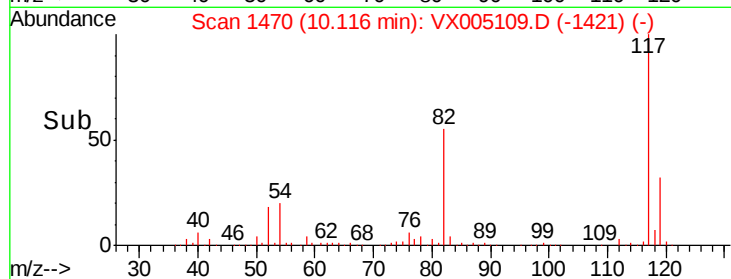
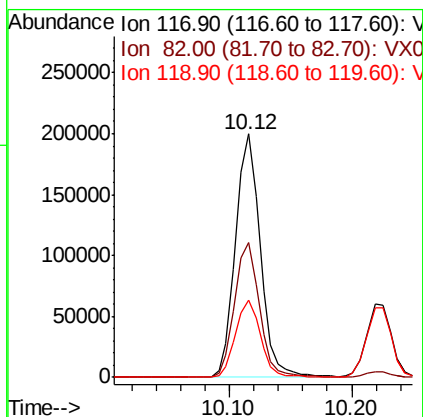
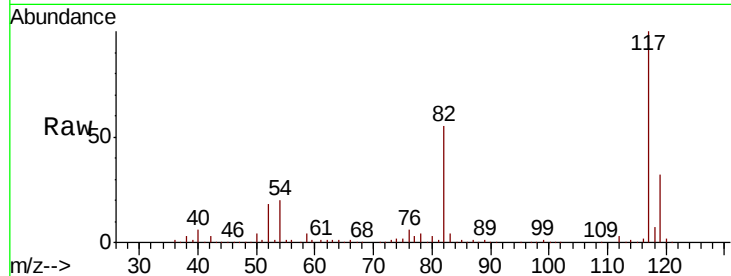




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

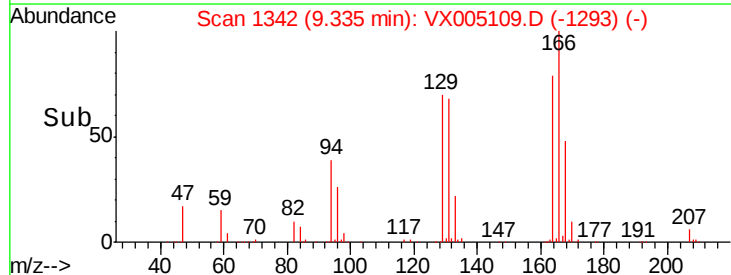
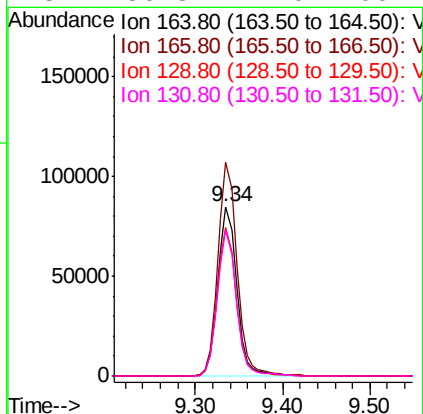
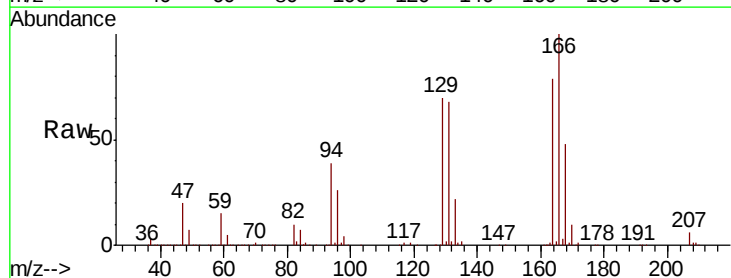
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 280871
Ion Ratio Lower Upper
117 100
82 55.5 42.2 63.4
119 31.8 27.4 41.0



#64
Tetrachloroethene
Concen: 46.252 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion:164 Resp: 127857
Ion Ratio Lower Upper
164 100
166 126.2 98.4 147.6
129 87.8 76.1 114.1
131 86.3 71.0 106.4

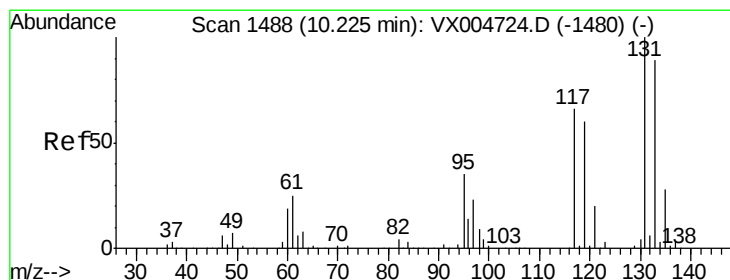
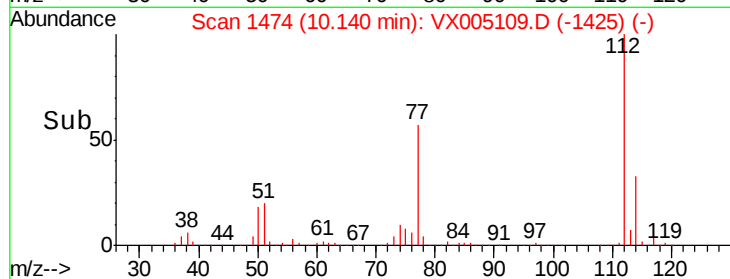
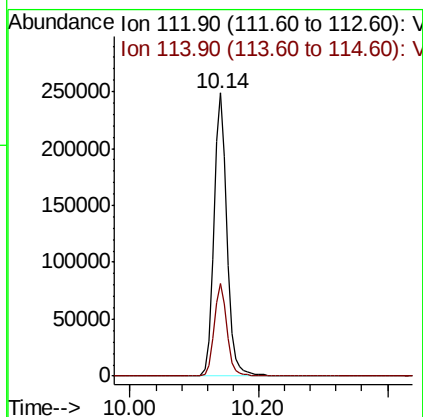
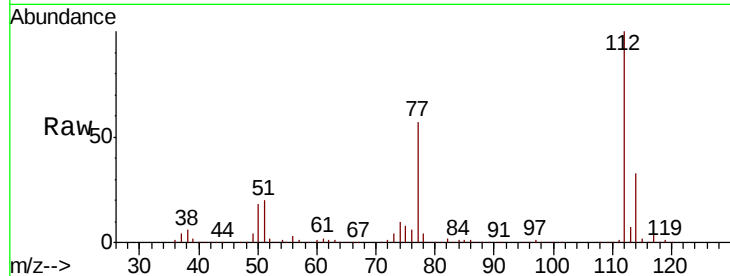




#65
Chlorobenzene
Concen: 49.137 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

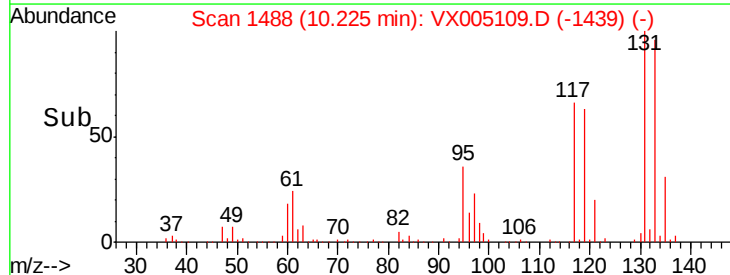
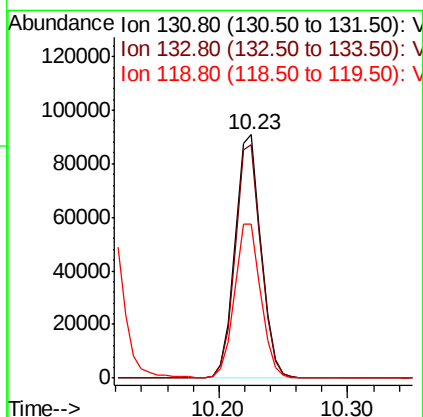
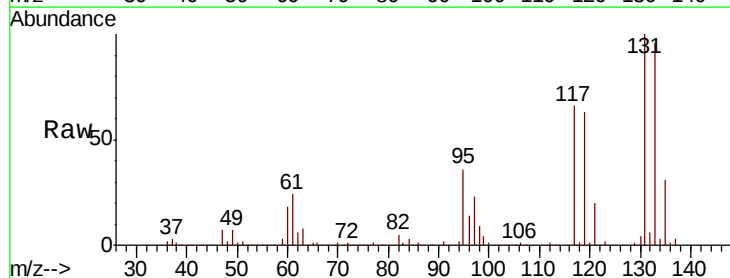
Instrument :
MSVOA_X
ClientSampleId :

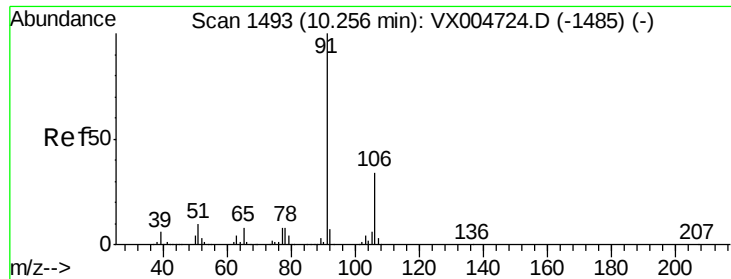
Tot Ion:112 Resp: 353899
Ion Ratio Lower Upper
112 100
114 32.6 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.338 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion:131 Resp: 127458
Ion Ratio Lower Upper
131 100
133 95.6 48.4 145.0
119 64.4 32.3 96.8

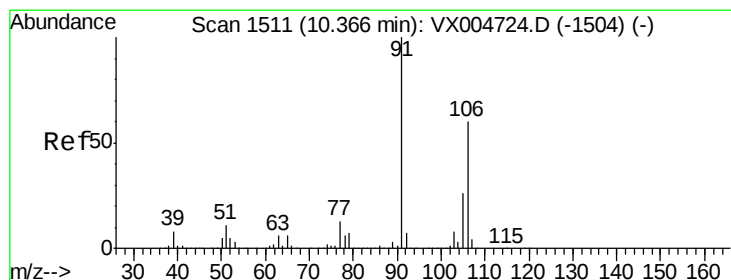
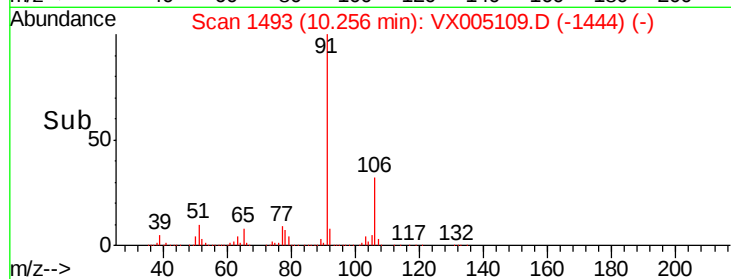
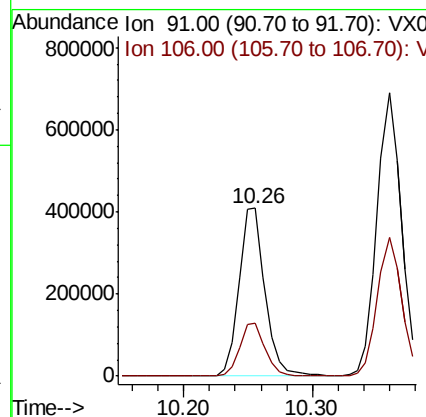
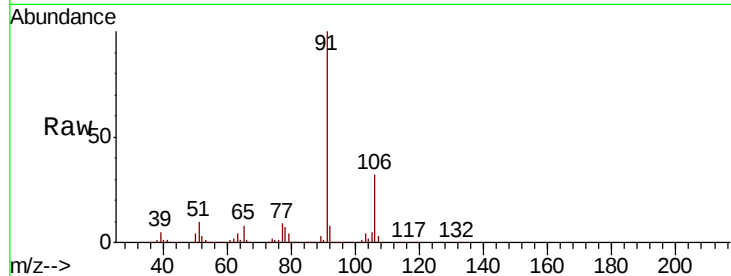




#67
Ethyl Benzene
Concen: 50.411 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

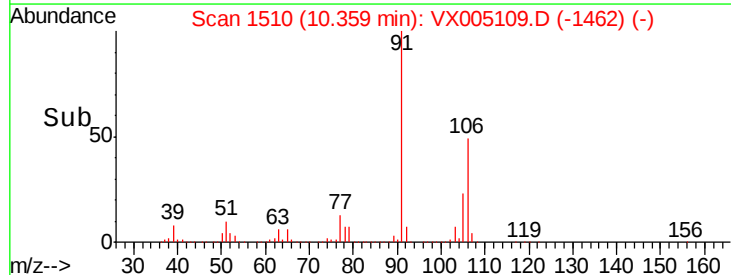
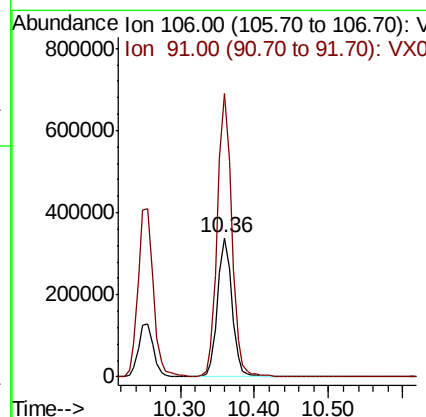
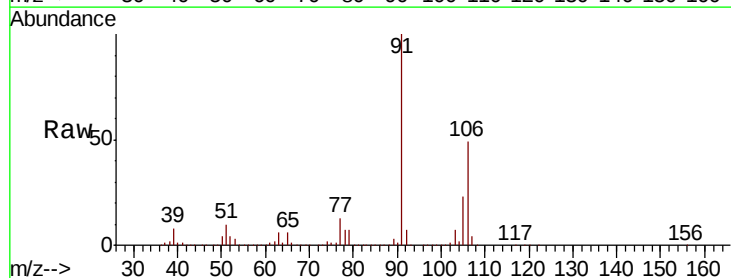
Instrument :
MSVOA_X
ClientSampleId :

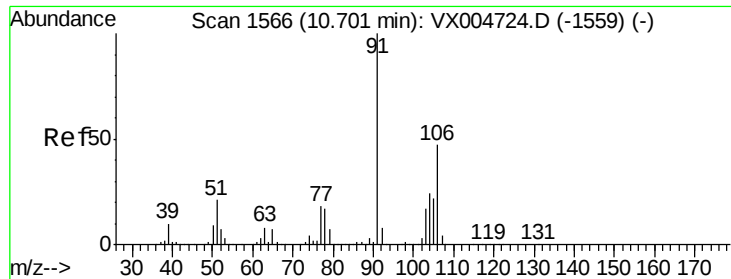
Tot Ion: 91 Resp: 576424
Ion Ratio Lower Upper
91 100
106 31.7 26.9 40.3



#68
m/p-Xylenes
Concen: 100.575 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 106 Resp: 449401
Ion Ratio Lower Upper
106 100
91 204.6 157.5 236.3

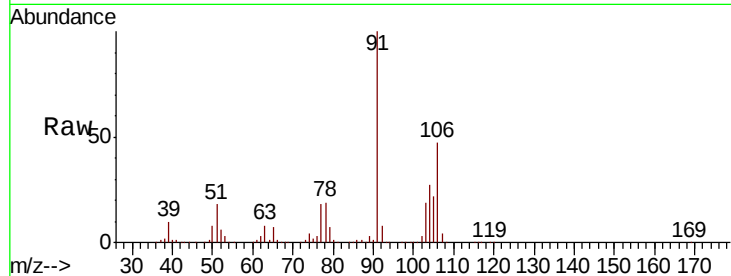




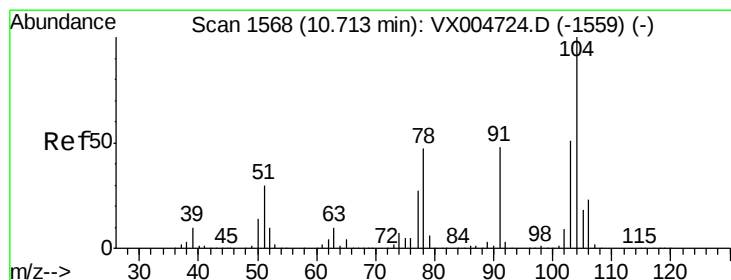
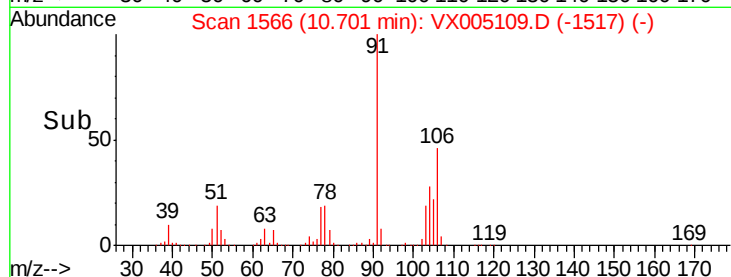
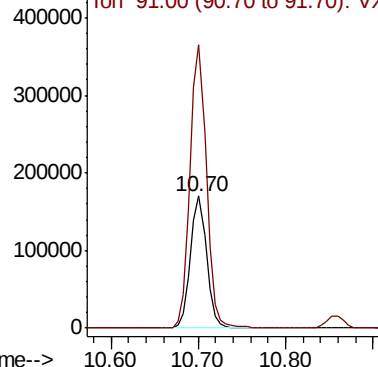
#69
o-Xylene
Concen: 53.203 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 218353
Ion Ratio Lower Upper
106 100
91 216.7 108.3 324.8

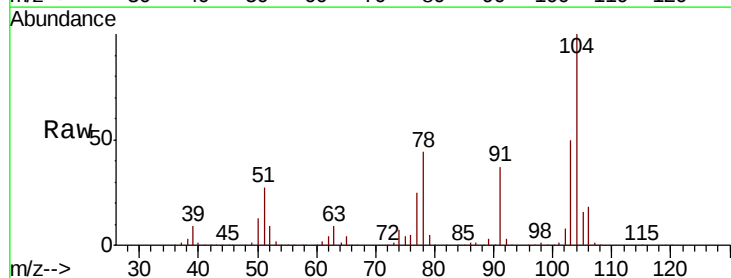


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

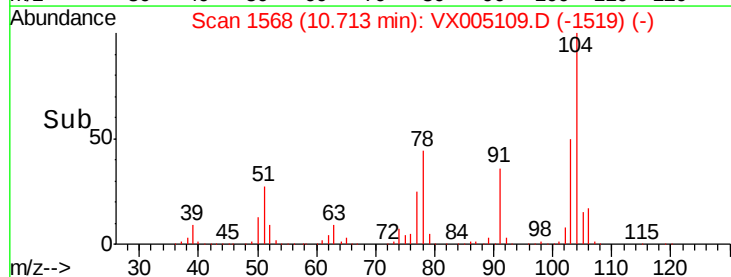
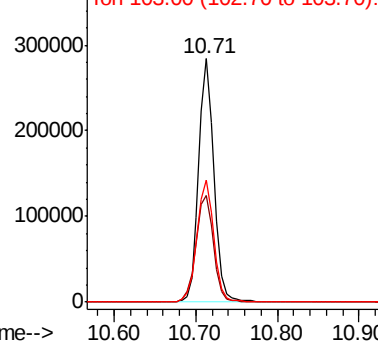


#70
Styrene
Concen: 48.057 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion:104 Resp: 368217
Ion Ratio Lower Upper
104 100
78 50.6 40.0 60.0
103 55.5 44.3 66.5



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: 51.129 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

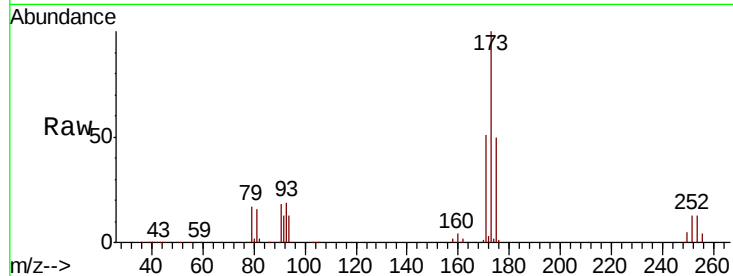
Tot Ion:173 Resp: 110835

Ion Ratio Lower Upper

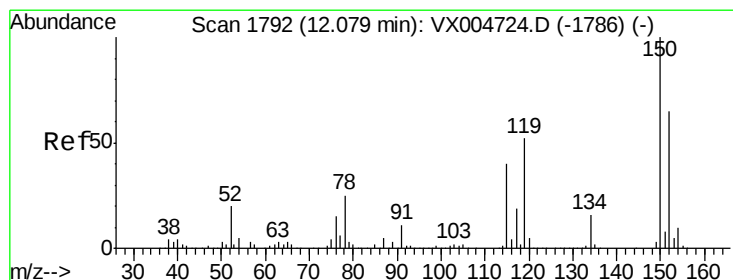
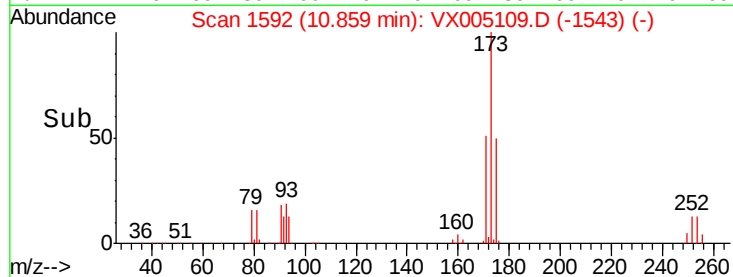
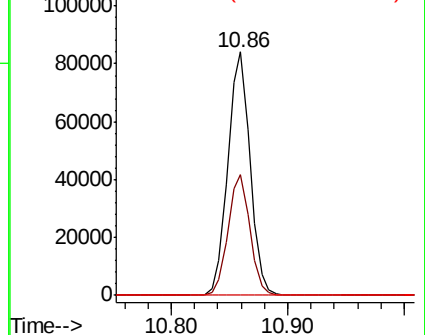
173 100

175 49.1 23.3 69.8

254 0.2 0.2 0.2#



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: VX005109.D

Acq: 06 Oct 2018 11:19

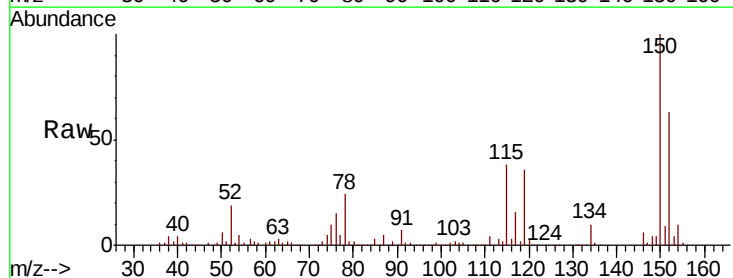
Tgt Ion:152 Resp: 174306

Ion Ratio Lower Upper

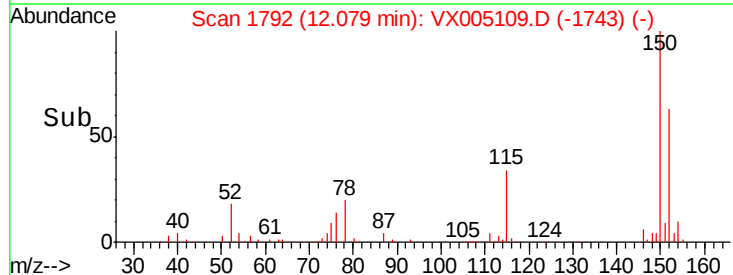
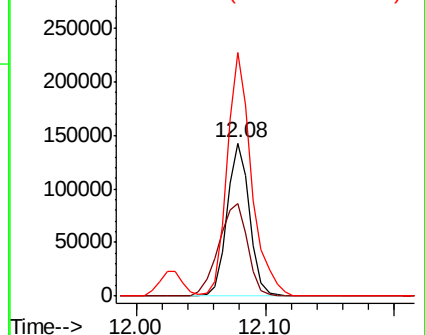
152 100

115 77.7 40.2 120.6

150 173.3 0.0 351.0



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: 53.623 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

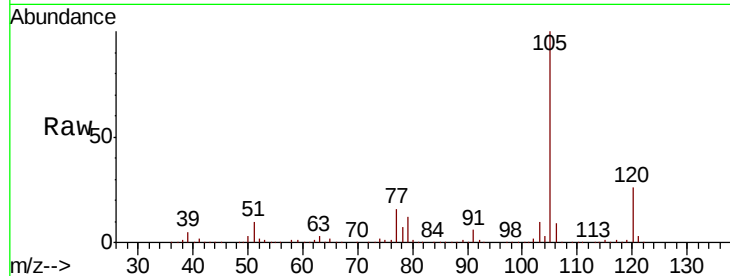
ClientSampleId :

Tot Ion: 105 Resp: 589139

Ion Ratio Lower Upper

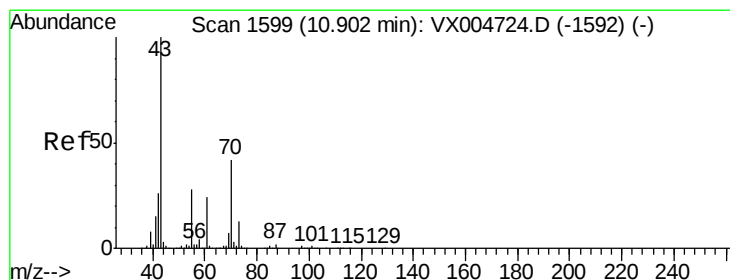
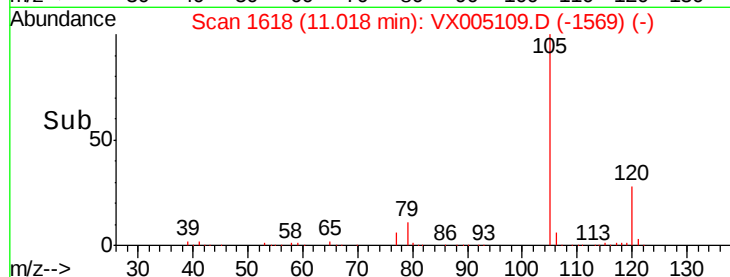
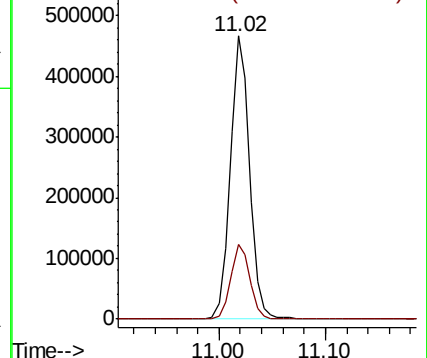
105 100

120 26.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 36.177 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion: 43 Resp: 215441

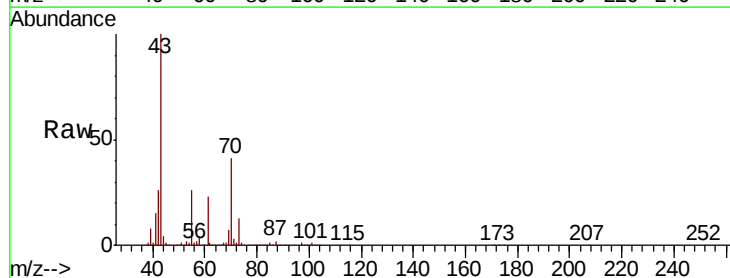
Ion Ratio Lower Upper

43 100

70 40.4 32.6 48.8

55 25.2 21.6 32.4

61 23.2 19.1 28.7

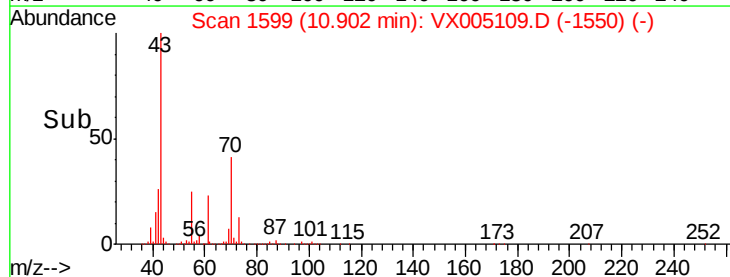
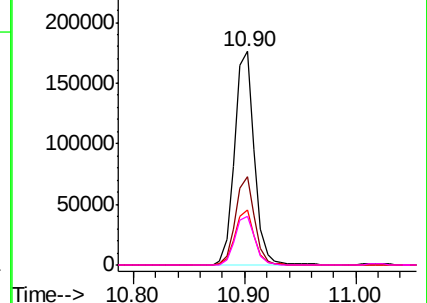


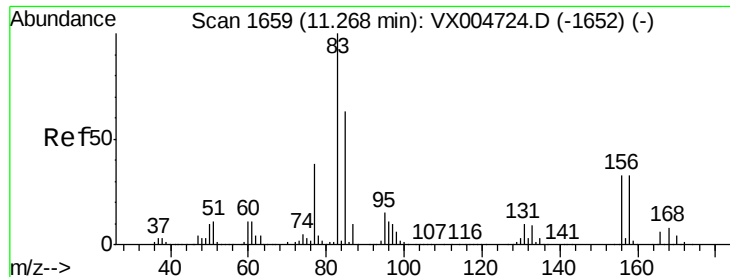
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.954 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

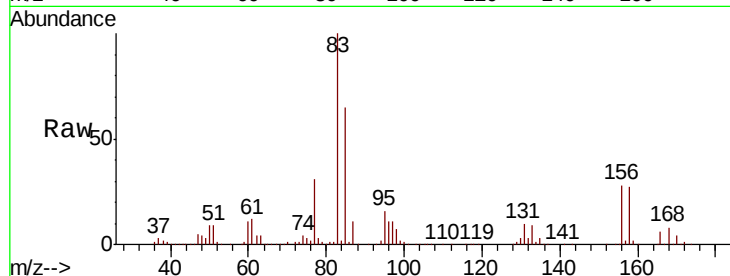
Tot Ion: 83 Resp: 218941

Ion Ratio Lower Upper

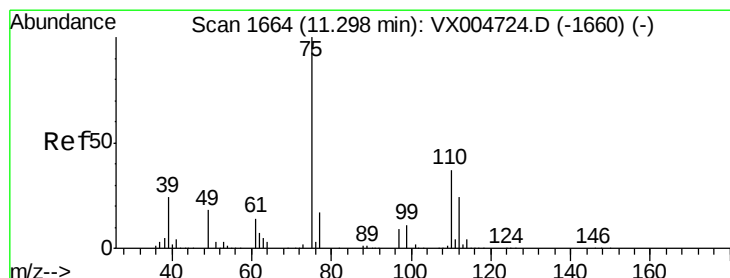
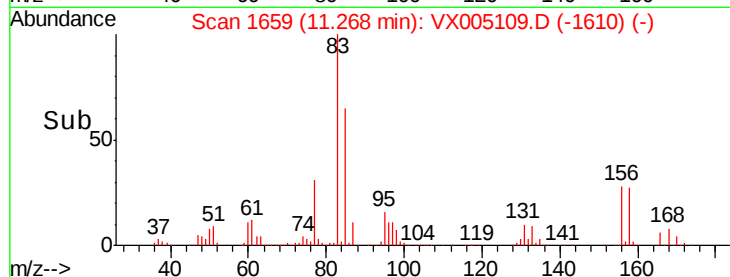
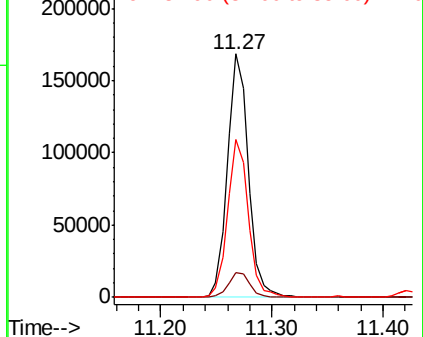
83 100

131 10.4 5.1 15.3

85 64.2 31.9 95.9



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: 61.431 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005109.D

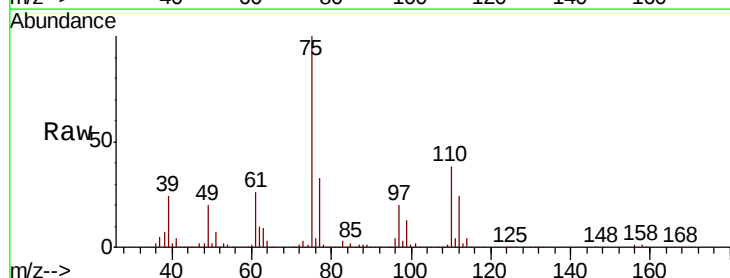
Acq: 06 Oct 2018 11:19

Tgt Ion: 75 Resp: 240000

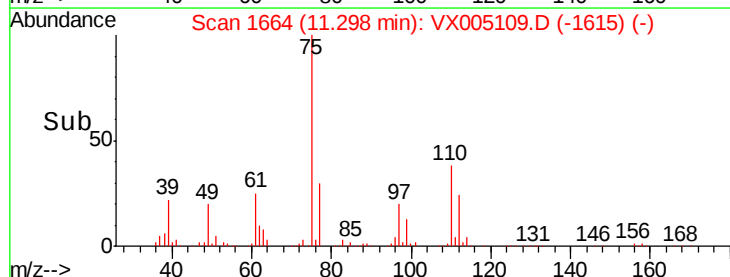
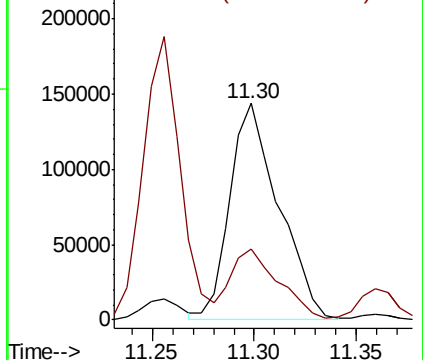
Ion Ratio Lower Upper

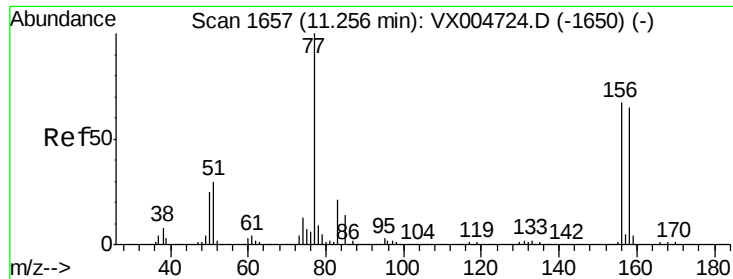
75 100

77 32.1 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.357 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

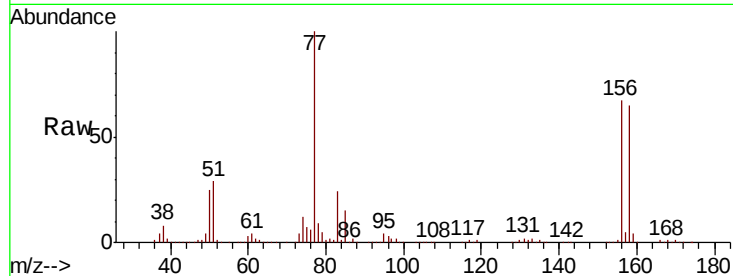
Tot Ion:156 Resp: 160697

Ion Ratio Lower Upper

156 100

77 148.3 73.4 220.2

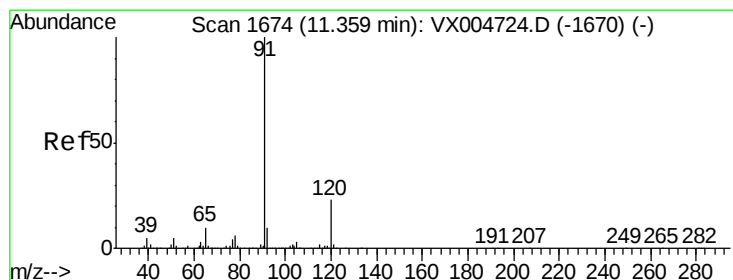
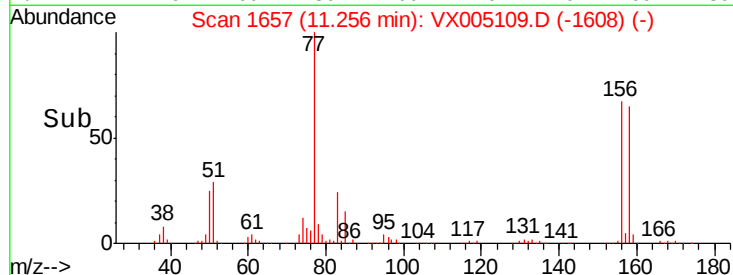
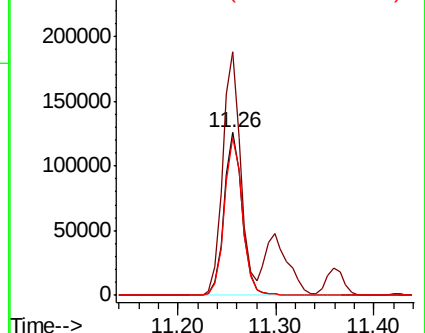
158 97.1 49.1 147.4



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: 52.725 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005109.D

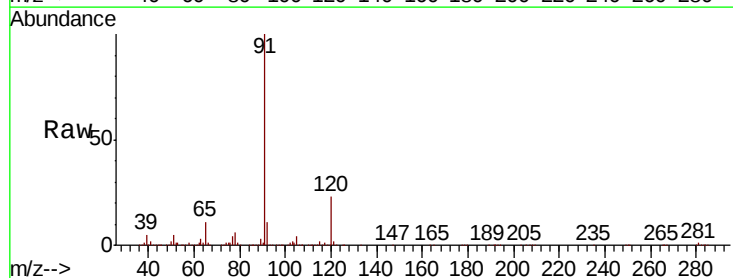
Acq: 06 Oct 2018 11:19

Tgt Ion: 91 Resp: 664653

Ion Ratio Lower Upper

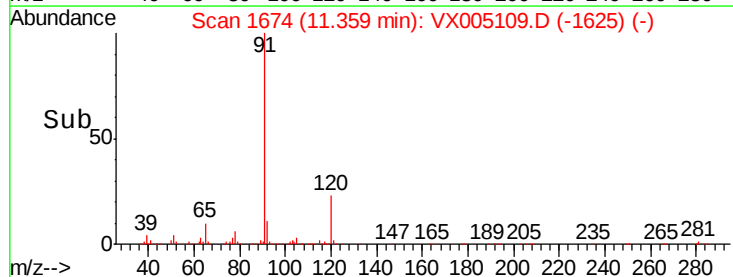
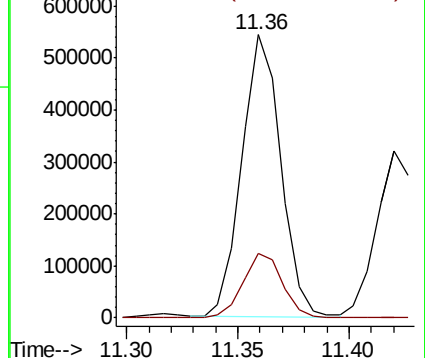
91 100

120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

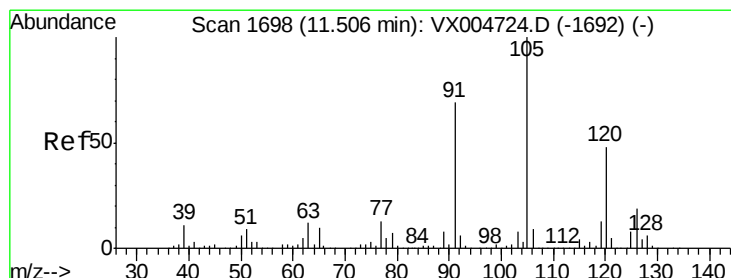
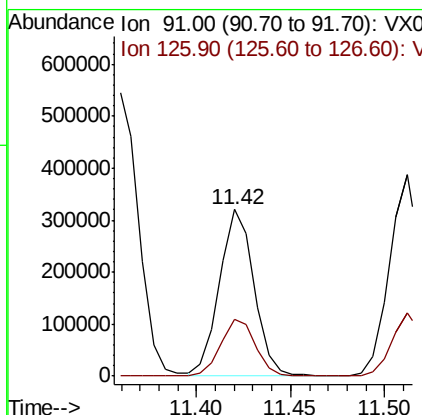
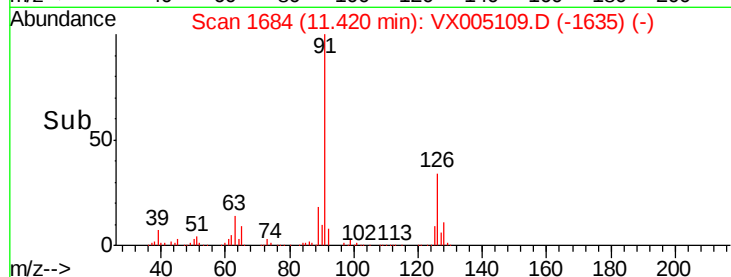
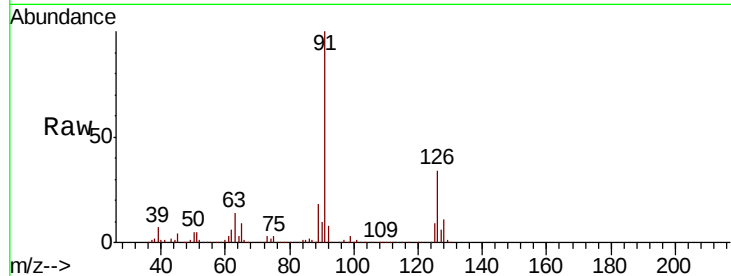




#79
 2-Chlorotoluene
 Concen: 51.463 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

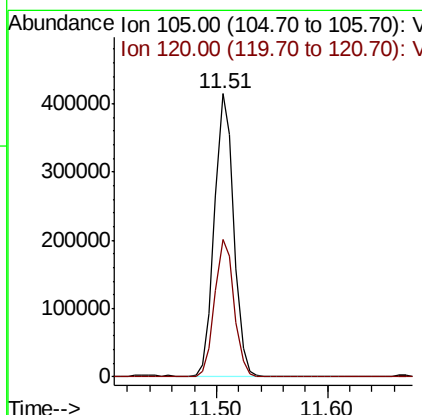
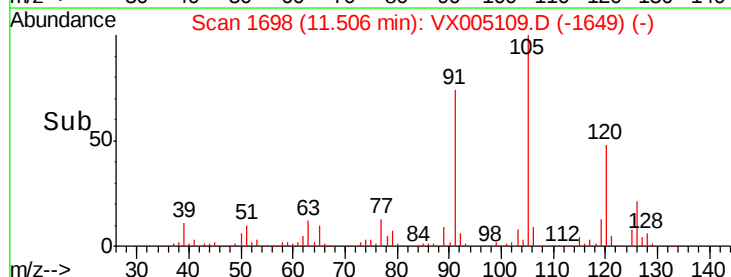
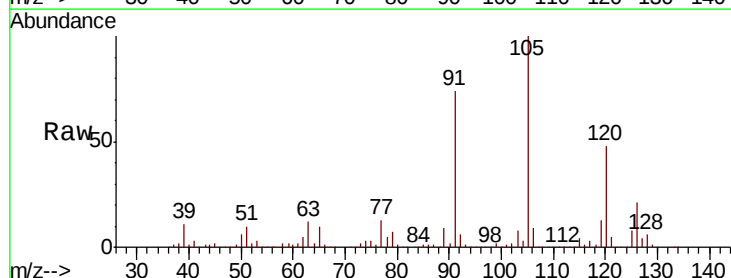
Instrument :
 MSVOA_X
 ClientSampled :

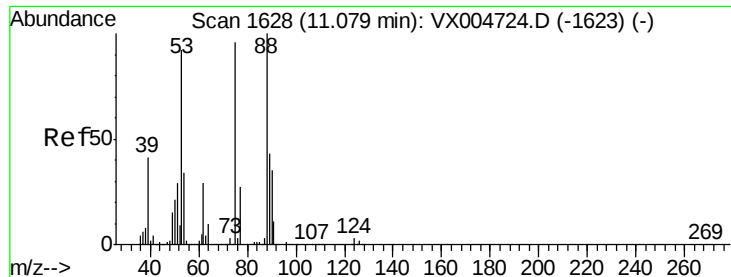
Tot Ion: 91 Resp: 404372
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 49.455 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion: 105 Resp: 498025
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 34.956 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

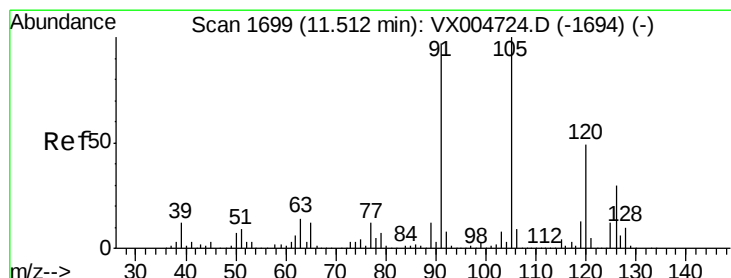
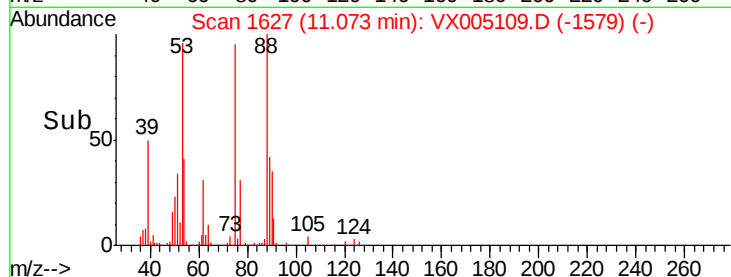
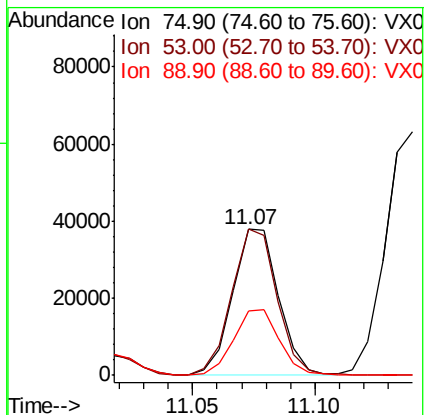
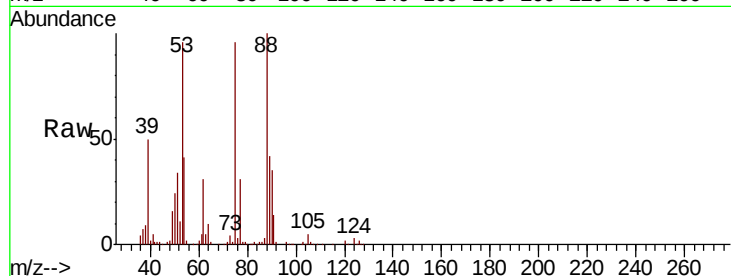
Tot Ion: 75 Resp: 49180

Ion Ratio Lower Upper

75 100

53 99.1 80.2 120.4

89 45.4 37.1 55.7



#82

4-Chlorotoluene

Concen: 51.609 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005109.D

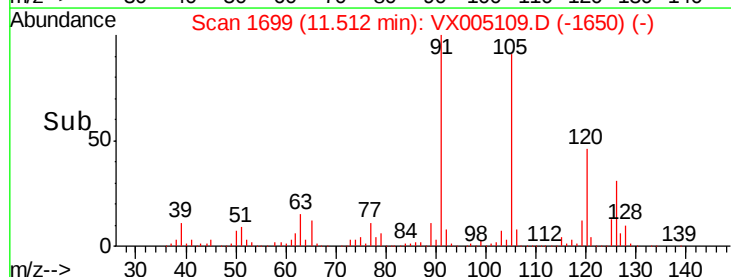
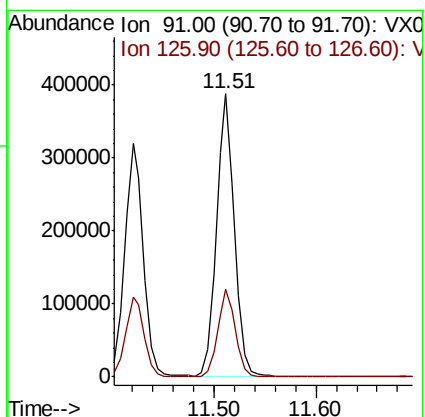
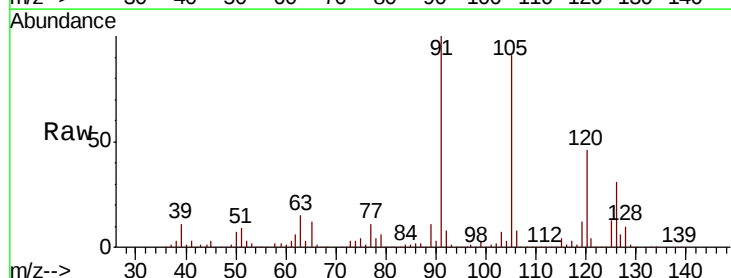
Acq: 06 Oct 2018 11:19

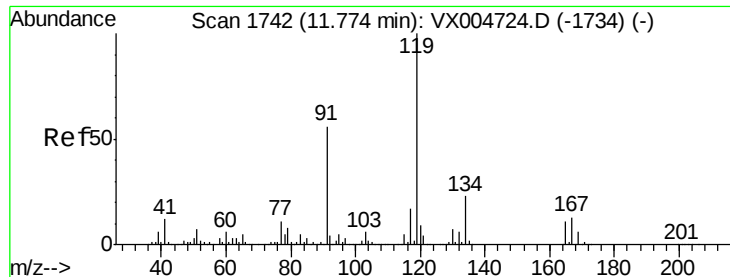
Tgt Ion: 91 Resp: 477319

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5

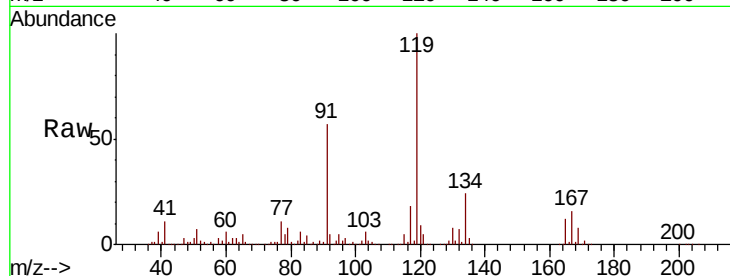




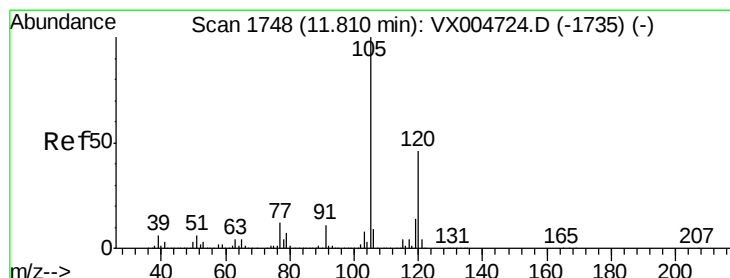
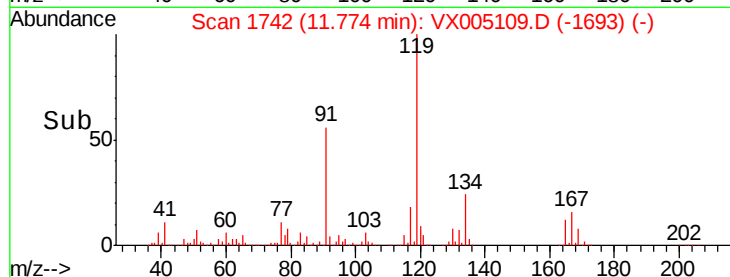
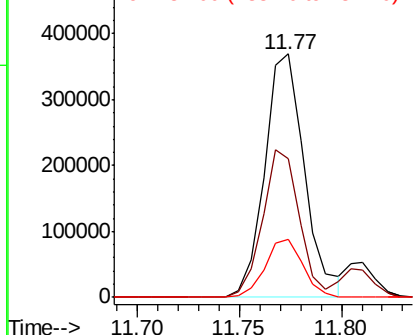
#83
tert-Butylbenzene
Concen: 55.690 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.5	82.5
134	22.6	11.5	34.4

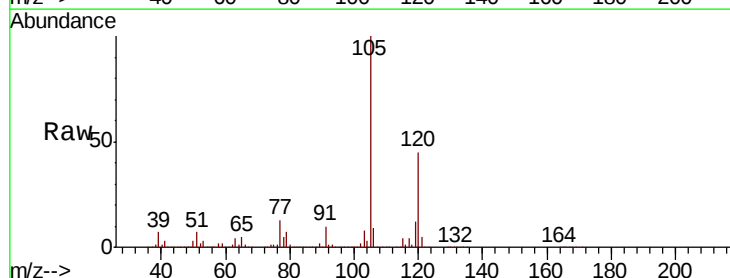


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

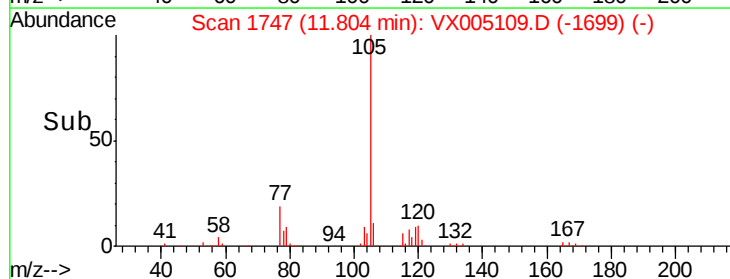
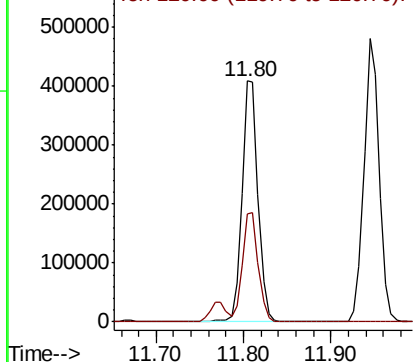


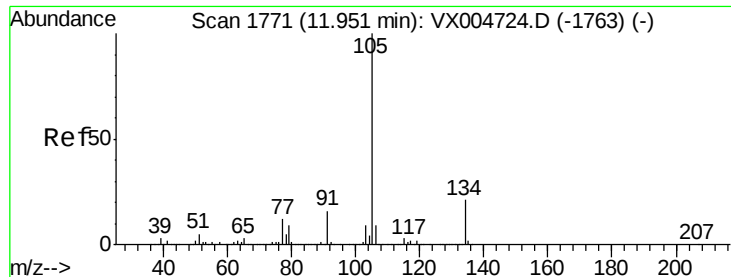
#84
1,2,4-Trimethylbenzene
Concen: 50.220 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3



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





#85

sec-Butylbenzene

Concen: 53.030 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

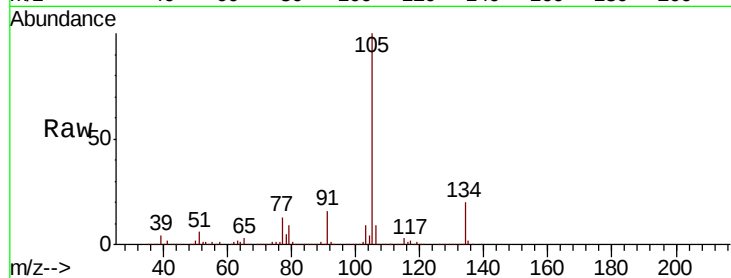
ClientSampled :

Tot Ion:105 Resp: 584290

Ion Ratio Lower Upper

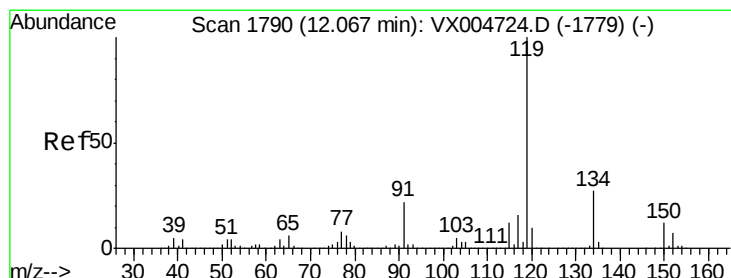
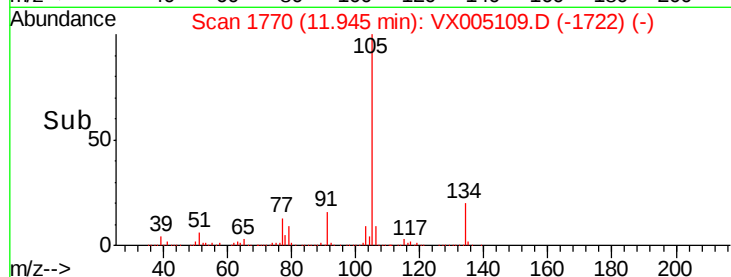
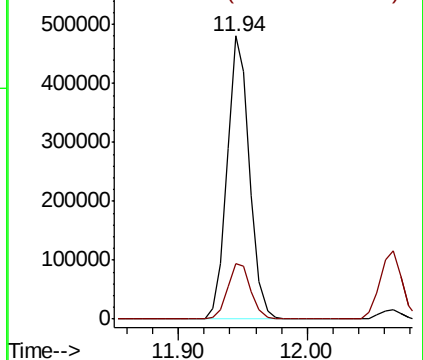
105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.581 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

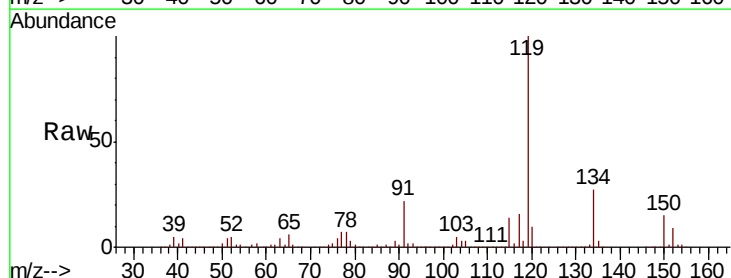
Tgt Ion:119 Resp: 524882

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

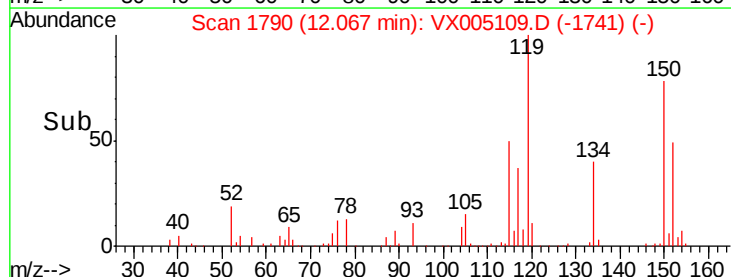
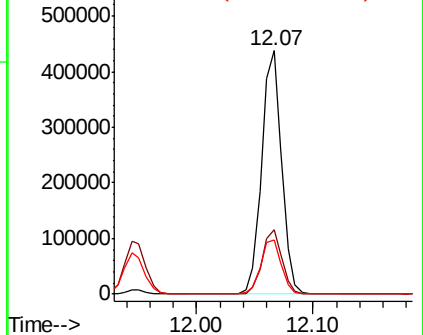
91 22.8 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

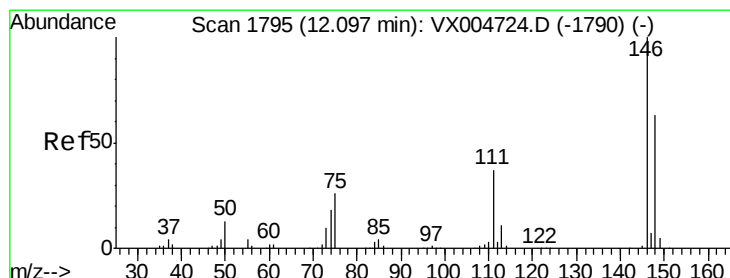
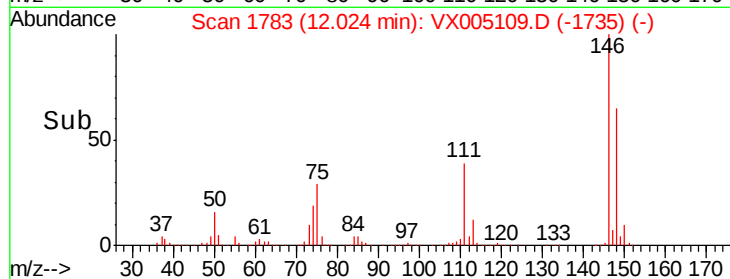
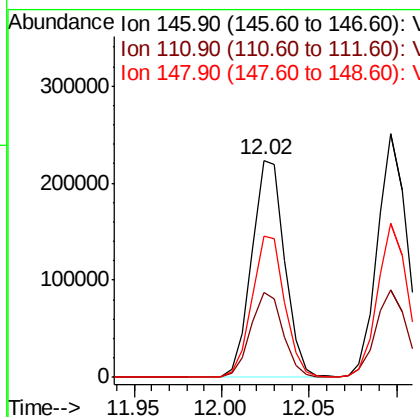
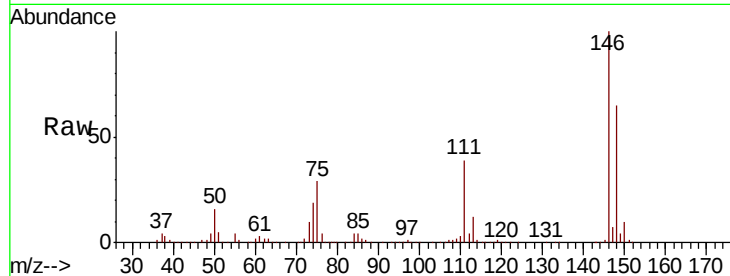




#87
 1,3-Dichlorobenzene
 Concen: 49.159 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

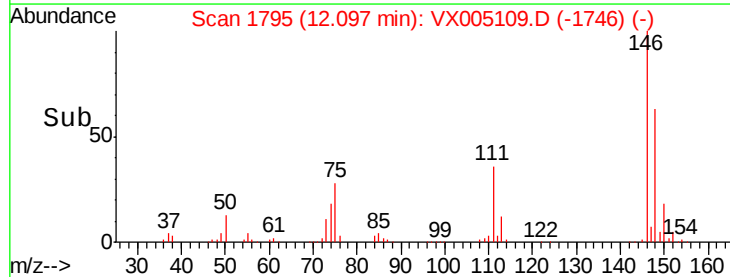
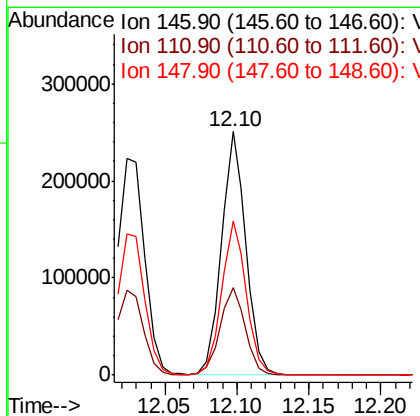
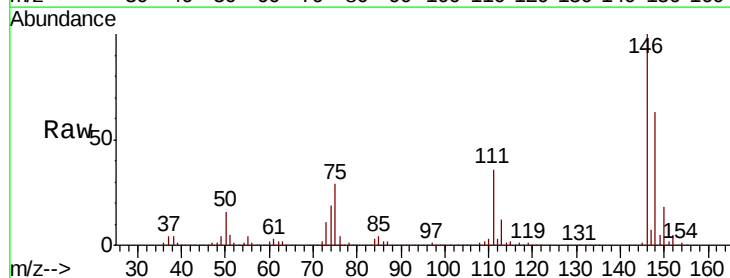
Instrument :
 MSVOA_X
 ClientSampleId :

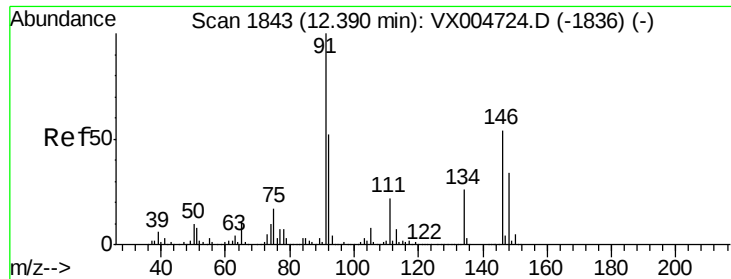
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.7	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.437 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	64.3	32.0	96.0

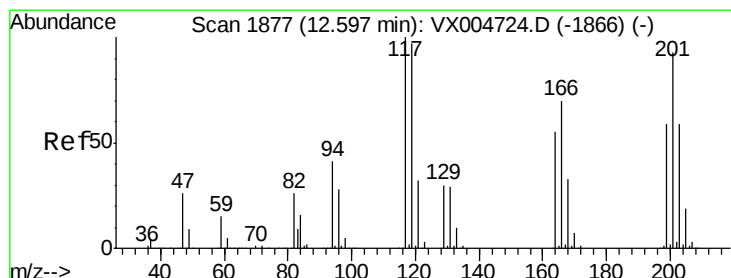
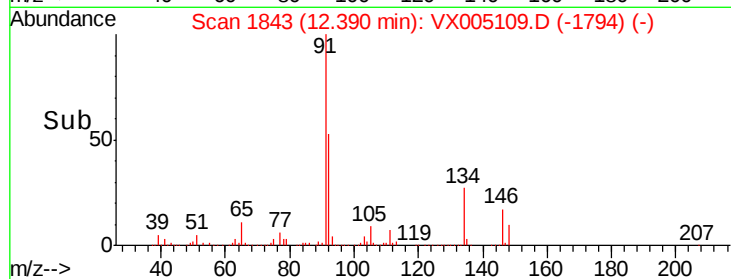
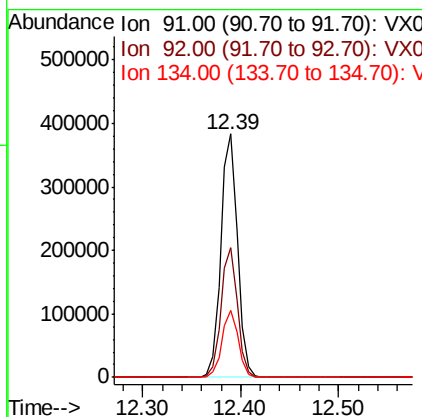
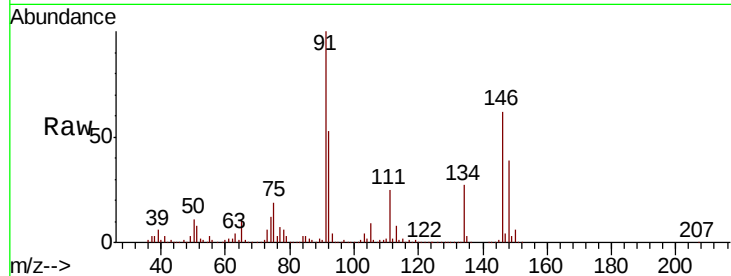




#89
n-Butylbenzene
Concen: 49.456 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

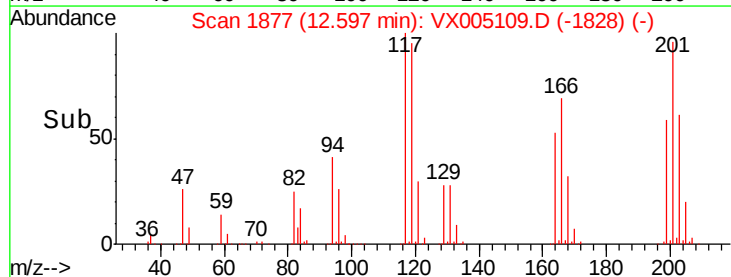
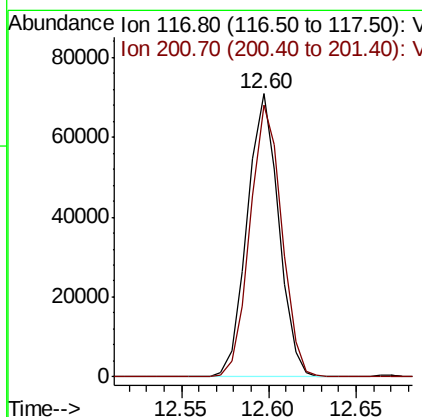
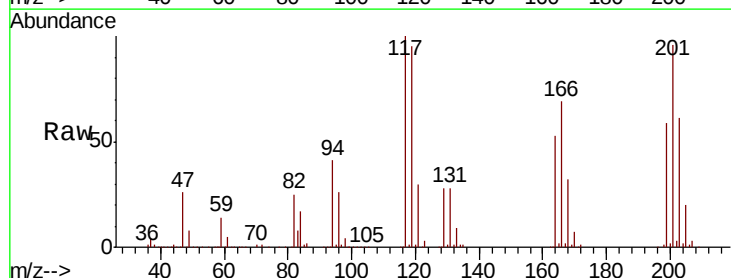
Instrument :
MSVOA_X
ClientSampled :

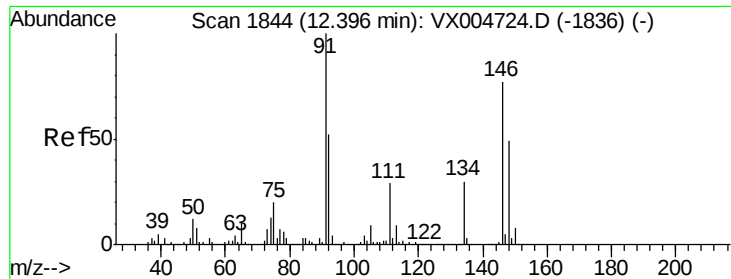
Tot Ion: 91 Resp: 448365
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 27.2 13.2 39.6



#90
Hexachloroethane
Concen: 53.434 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 117 Resp: 88810
Ion Ratio Lower Upper
117 100
201 96.8 48.4 145.0

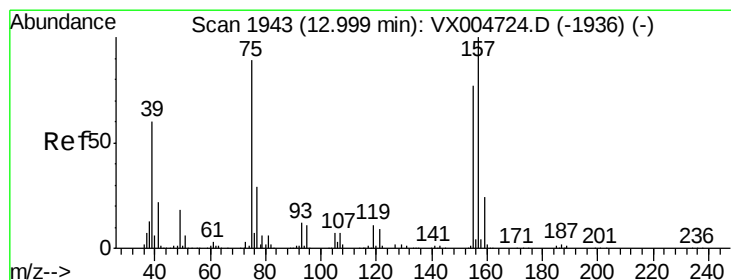
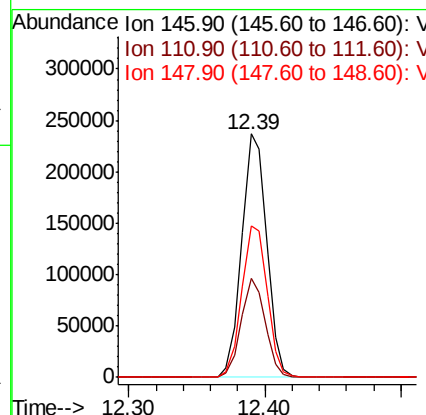
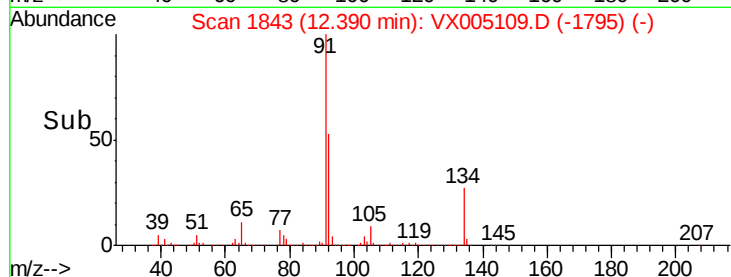
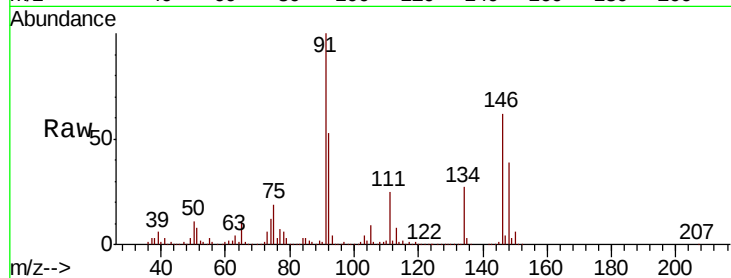




#91
 1,2-Dichlorobenzene
 Concen: 48.724 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

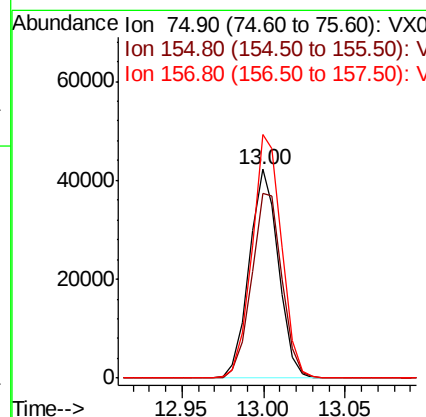
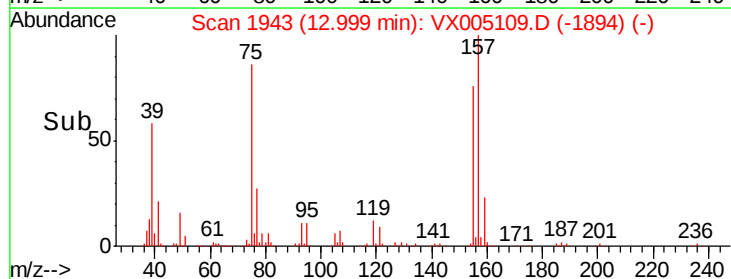
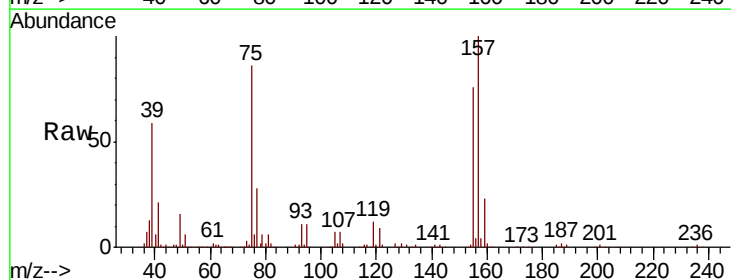
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.5	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.530 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.1	138.3
157	118.0	60.2	180.6

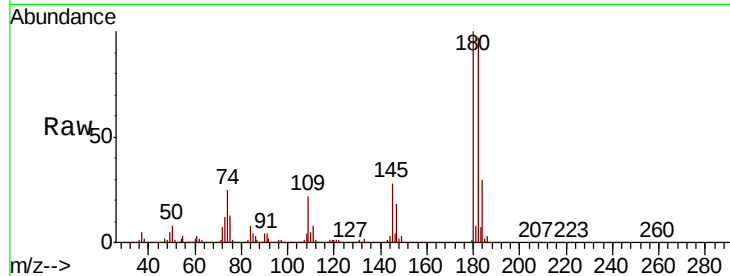




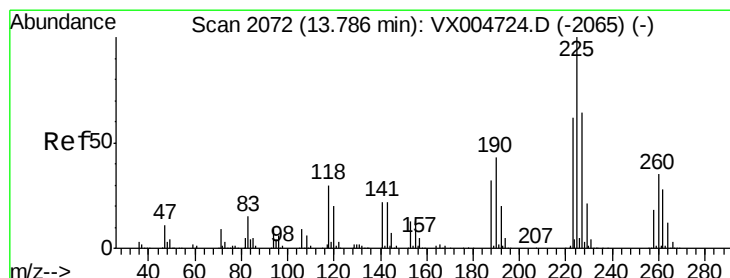
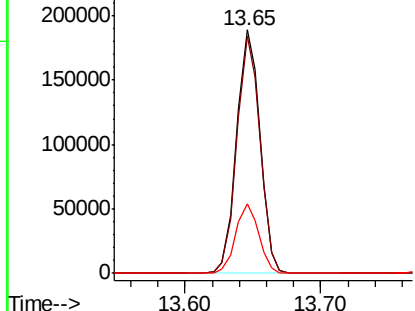
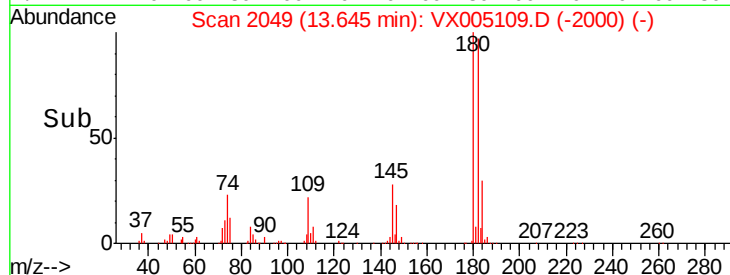
#93
 1,2,4-Trichlorobenzene
 Concen: 51.712 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	28.5	14.1	42.4

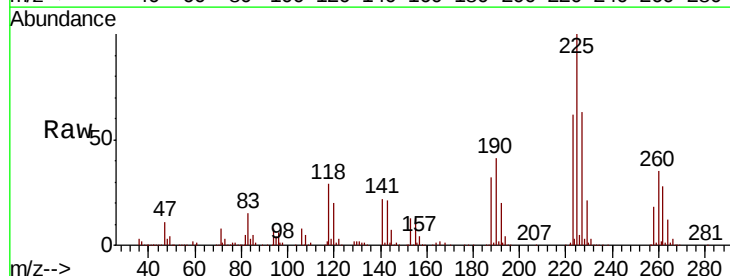


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

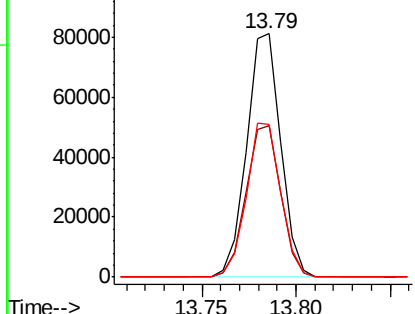
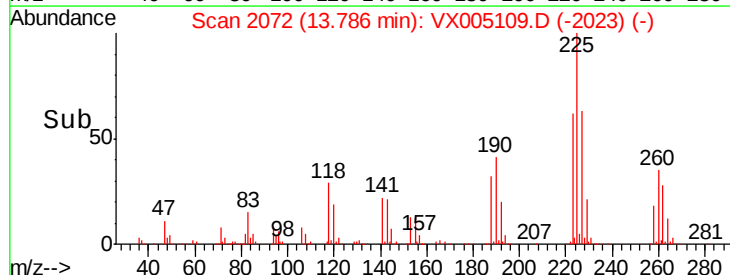


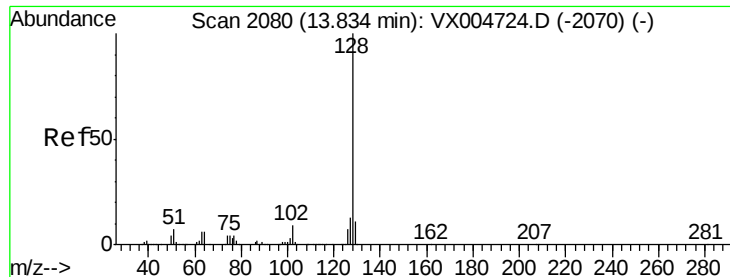
#94
 Hexachlorobutadiene
 Concen: 44.902 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	93.8
227	63.6	31.9	95.5



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





#95

Naphthalene

Concen: 52.793 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

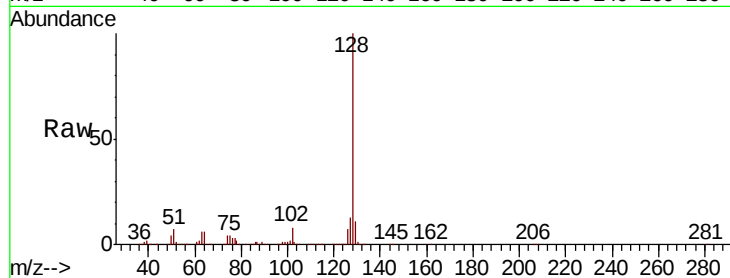
Tot Ion:128 Resp: 766031

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

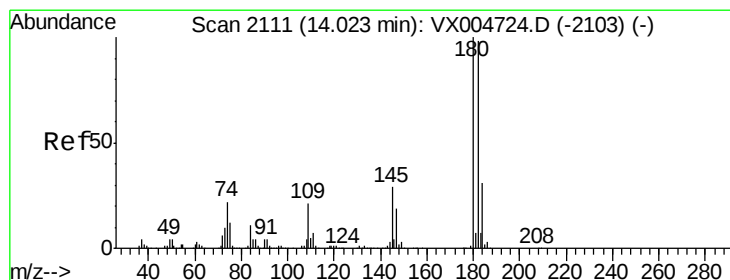
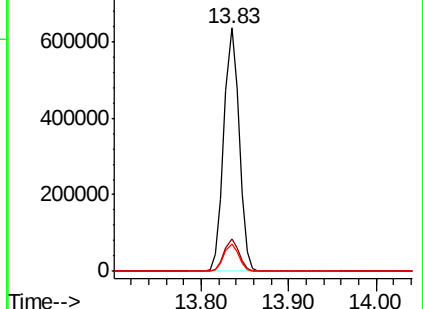
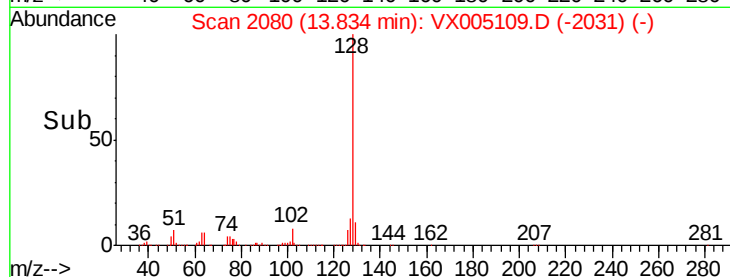
129 10.9 8.7 13.1



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: 52.296 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

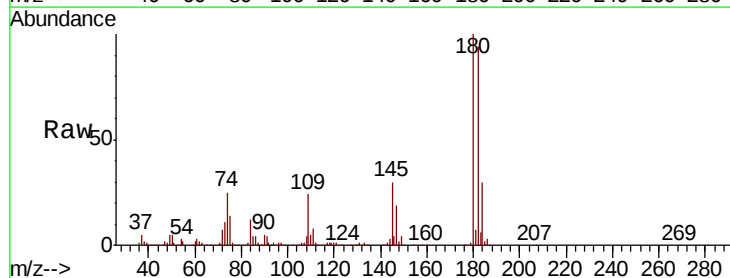
Tgt Ion:180 Resp: 235988

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.8

145 30.7 15.0 45.0



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

