

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
 Data File : VX003650.D
 Acq On : 25 Jul 2018 10:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 27 04:31:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	113466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	167213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	156345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97885	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	83142	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	5.49	113	67877	49.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	8.72	98	260857	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.14	95	97339	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	58910	45.587	ug/l	96
3) Chloromethane	1.32	50	75935	44.607	ug/l	95
4) Vinyl Chloride	1.40	62	80963	46.502	ug/l	92
5) Bromomethane	1.64	94	48317	57.471	ug/l	95
6) Chloroethane	1.72	64	50301	42.153	ug/l	98
7) Trichlorofluoromethane	1.93	101	107598	48.010	ug/l	99
8) Diethyl Ether	2.19	74	47164	48.027	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68333	49.542	ug/l	97
10) Methyl Iodide	2.51	142	86967	46.980	ug/l	99
11) Tert butyl alcohol	3.07	59	91287	227.214	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63985	48.754	ug/l	86
13) Acrolein	2.29	56	45837	226.020	ug/l	97
14) Allyl chloride	2.73	41	129881	47.475	ug/l	97
15) Acrylonitrile	3.15	53	231745	238.732	ug/l	98
16) Acetone	2.45	43	177935	225.344	ug/l	100
17) Carbon Disulfide	2.57	76	176975	46.880	ug/l	100
18) Methyl Acetate	2.78	43	113011	47.387	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	231181	49.876	ug/l	97
20) Methylene Chloride	2.86	84	74199	47.424	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	66595	47.189	ug/l	99
22) Diisopropyl ether	3.87	45	234891	47.023	ug/l	# 87
23) Vinyl Acetate	3.82	43	1086660	253.951	ug/l	98
24) 1,1-Dichloroethane	3.70	63	131345	46.653	ug/l	99
25) 2-Butanone	4.71	43	286567	234.923	ug/l	96
26) 2,2-Dichloropropane	4.59	77	93364	52.450	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	74094	48.356	ug/l	98
28) Bromochloromethane	5.01	49	53913	47.720	ug/l	99
29) Tetrahydrofuran	5.16	42	189937	239.195	ug/l	97
30) Chloroform	5.21	83	123645	48.419	ug/l	95
31) Cyclohexane	5.58	56	113385	50.173	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	102767	48.458	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94827	48.517	ug/l	98
37) Ethyl Acetate	4.87	43	110564	47.044	ug/l	99
38) Carbon Tetrachloride	5.78	117	90282	47.924	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109076	50.699	ug/l	99
40) Benzene	6.14	78	276733	47.844	ug/l	99
41) Methacrylonitrile	5.06	41	63636	48.897	ug/l	99
42) 1,2-Dichloroethane	6.20	62	99023	48.641	ug/l	100
43) Isopropyl Acetate	6.46	43	169026	49.299	ug/l	99
44) Trichloroethene	7.21	130	71859	46.338	ug/l	97
45) 1,2-Dichloropropane	7.52	63	73663	49.269	ug/l	98
46) Dibromomethane	7.67	93	47594	49.553	ug/l	99
47) Bromodichloromethane	7.90	83	90289	50.138	ug/l	99
48) Methyl methacrylate	7.78	41	88108	50.642	ug/l	99
49) 1,4-Dioxane	7.76	88	37695	971.124	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	564679	244.096	ug/l	99
52) Toluene	8.79	92	173828	48.349	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	105423	52.875	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	113214	51.601	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	72249	49.162	ug/l	99
56) Ethyl methacrylate	9.18	69	114899	52.538	ug/l	100
57) 1,3-Dichloropropane	9.37	76	121925	49.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	288390	262.414	ug/l	100
59) 2-Hexanone	9.50	43	431591	243.214	ug/l	100
60) Dibromochloromethane	9.59	129	72223	51.813	ug/l	99
61) 1,2-Dibromoethane	9.68	107	75296	49.204	ug/l	99
64) Tetrachloroethene	9.34	164	68101	47.643	ug/l	98
65) Chlorobenzene	10.14	112	195586	49.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	69186	50.578	ug/l	99
67) Ethyl Benzene	10.26	91	336092	51.029	ug/l	100
68) m/p-Xylenes	10.36	106	261271	103.404	ug/l	99
69) o-Xylene	10.70	106	126001	51.800	ug/l	100
70) Styrene	10.71	104	214944	52.605	ug/l	100
71) Bromoform	10.86	173	56311	52.059	ug/l #	98
73) Isopropylbenzene	11.02	105	337580	50.477	ug/l	99
74) N-amyl acetate	6.46	43	169026	48.459	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	116377	47.122	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	136910	66.684	ug/l	83
77) Bromobenzene	11.26	156	89192	49.103	ug/l	100
78) n-propylbenzene	11.36	91	398650	51.623	ug/l	99
79) 2-Chlorotoluene	11.42	91	232500	49.535	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	291212	51.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	36166	54.577	ug/l	97
82) 4-Chlorotoluene	11.51	91	278027	50.286	ug/l	100
83) tert-Butylbenzene	11.77	119	281754	50.889	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	300763	51.720	ug/l	100
85) sec-Butylbenzene	11.95	105	340037	51.456	ug/l	100
86) p-Isopropyltoluene	12.07	119	307326	51.815	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	166515	49.223	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	170254	48.408	ug/l	100
89) n-Butylbenzene	12.39	91	278395	52.076	ug/l	100
90) Hexachloroethane	12.60	117	45551	50.711	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	167579	48.486	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24998	48.624	ug/l	100

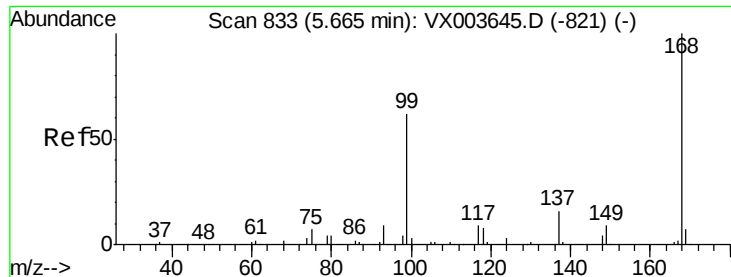
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
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QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124840	50.620	ug/l	99
94) Hexachlorobutadiene	13.79	225	56819	49.798	ug/l	99
95) Naphthalene	13.83	128	389134	52.169	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	126880	50.649	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

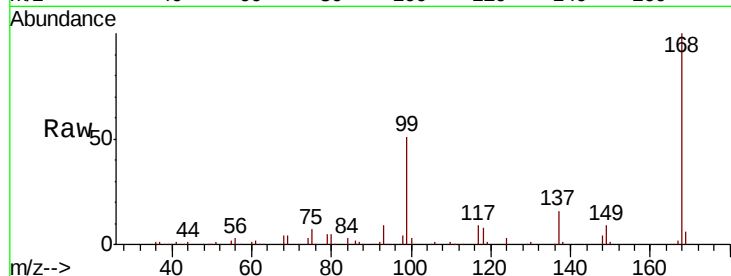
VSTDCCC050

Tgt Ion:168 Resp: 113466

Ion Ratio Lower Upper

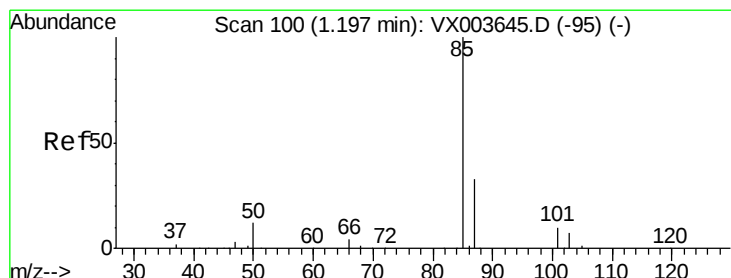
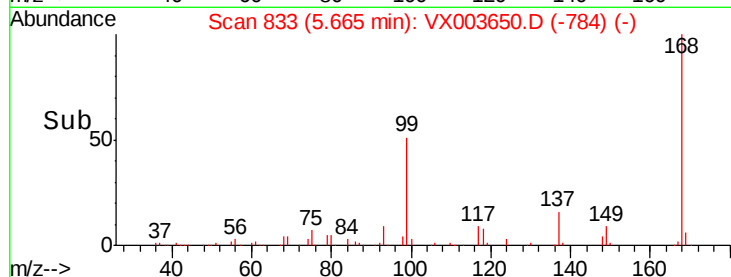
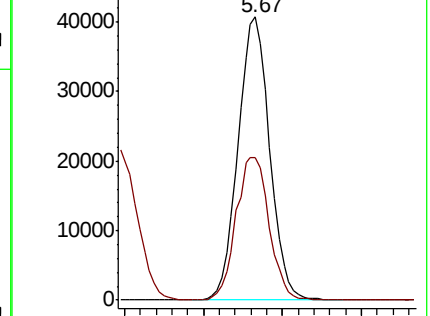
168 100

99 50.5 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.587 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003650.D

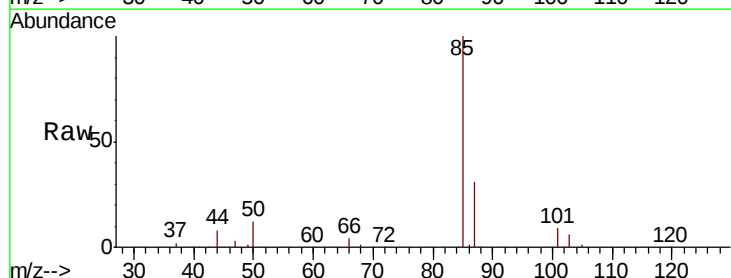
Acq: 25 Jul 2018 10:15

Tgt Ion: 85 Resp: 58910

Ion Ratio Lower Upper

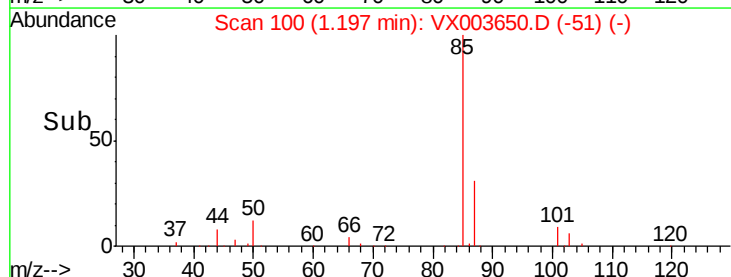
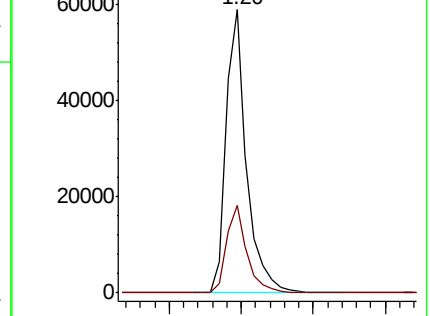
85 100

87 31.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

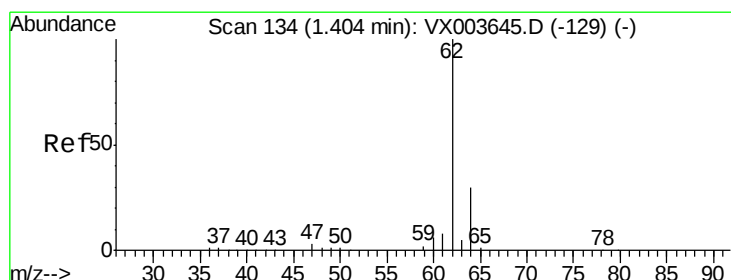
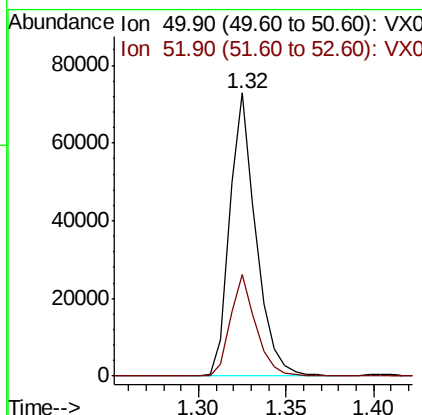
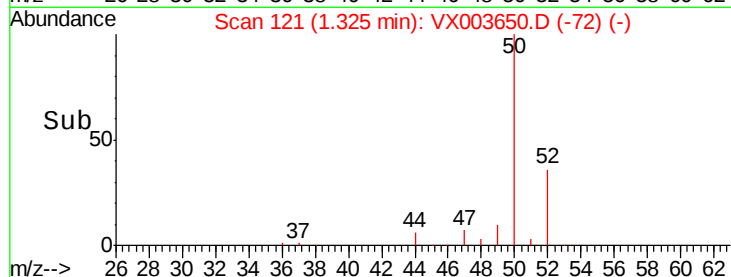
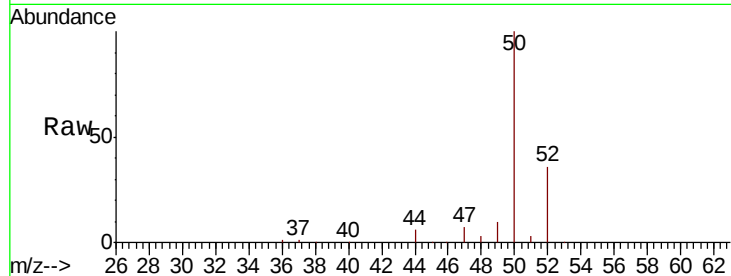




#3
 Chloromethane
 Concen: 44.607 ug/l
 RT: 1.32 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

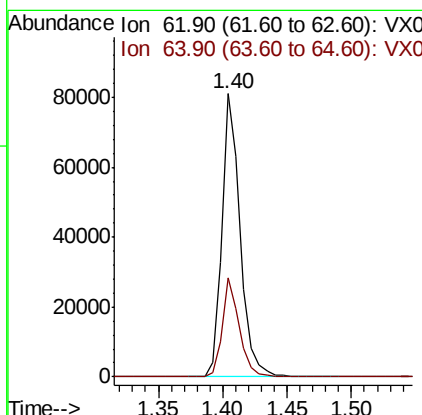
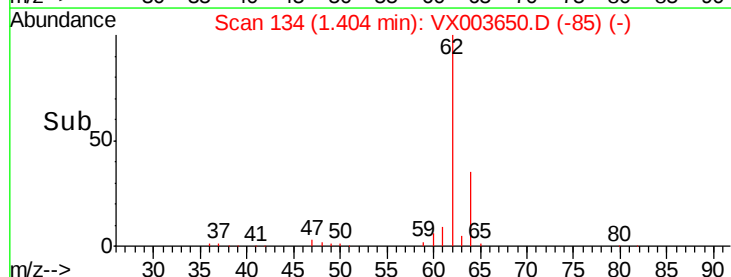
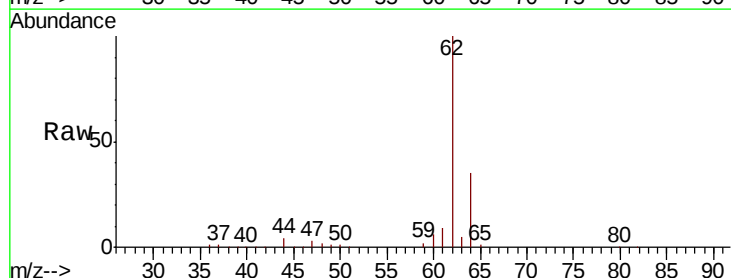
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

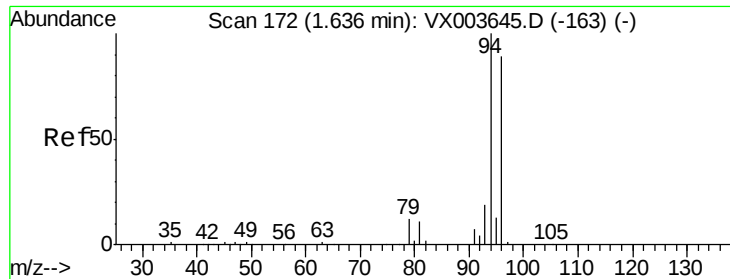
Tgt Ion: 50 Resp: 75935
 Ion Ratio Lower Upper
 50 100
 52 35.9 26.3 39.5



#4
 Vinyl Chloride
 Concen: 46.502 ug/l
 RT: 1.40 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 62 Resp: 80963
 Ion Ratio Lower Upper
 62 100
 64 35.0 24.4 36.6





#5

Bromomethane

Concen: 57.471 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

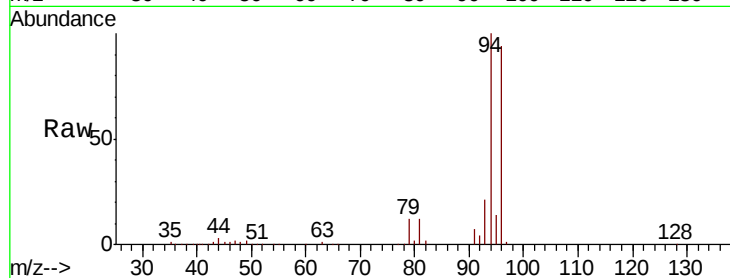
VSTDCCC050

Tgt Ion: 94 Resp: 48317

Ion Ratio Lower Upper

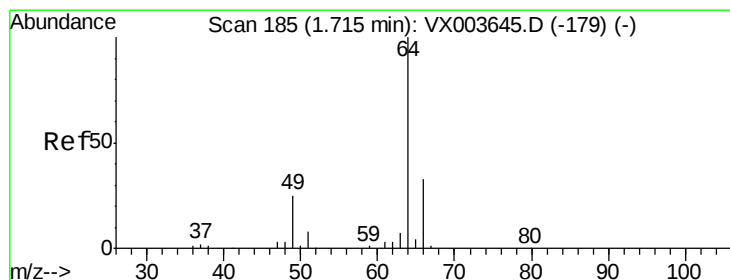
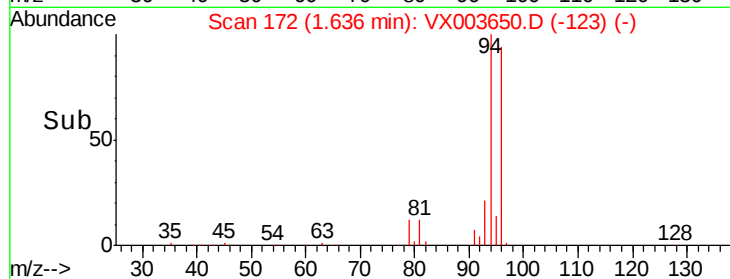
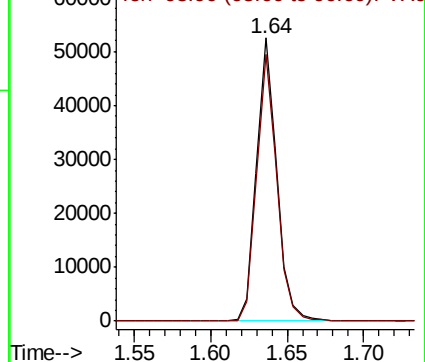
94 100

96 94.1 71.3 106.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 42.153 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003650.D

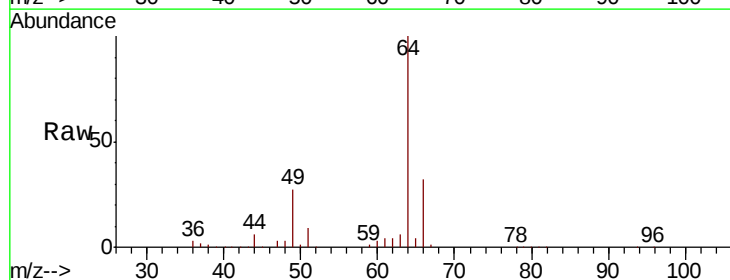
Acq: 25 Jul 2018 10:15

Tgt Ion: 64 Resp: 50301

Ion Ratio Lower Upper

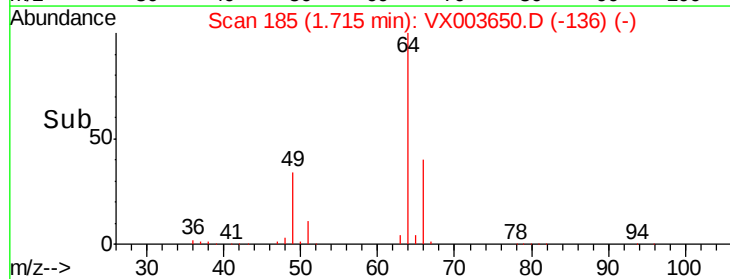
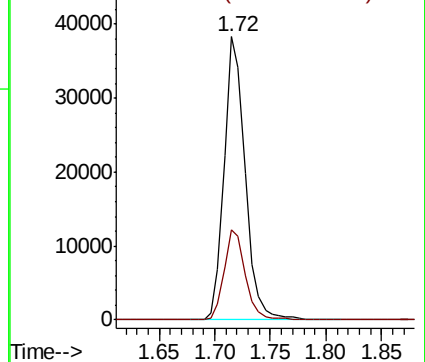
64 100

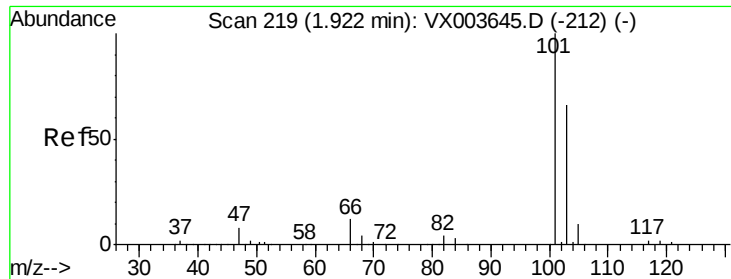
66 31.7 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



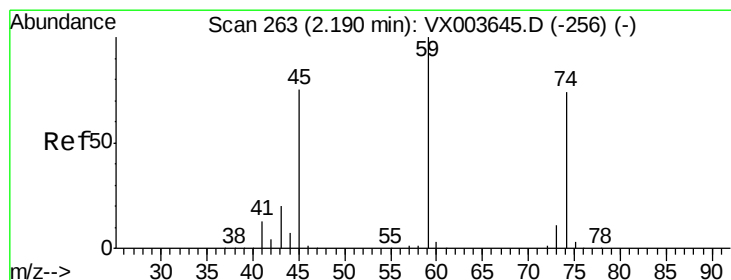
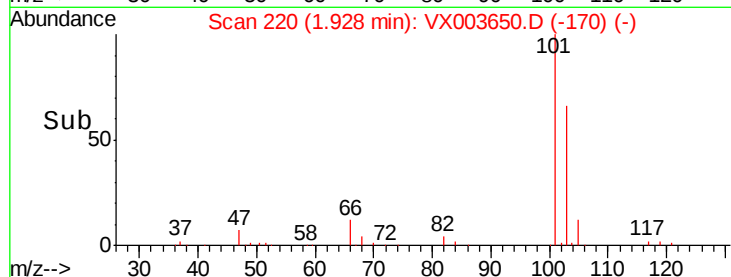
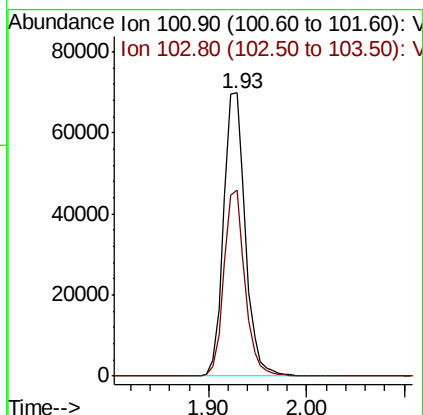
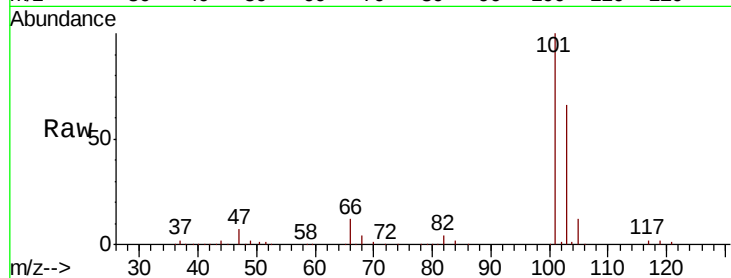


#7

Trichlorofluoromethane
Concen: 48.010 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Instrument :
MSVOA_X
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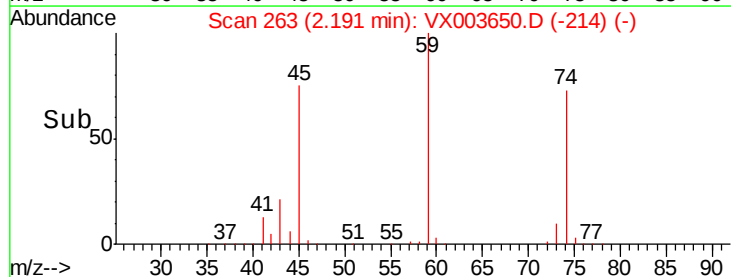
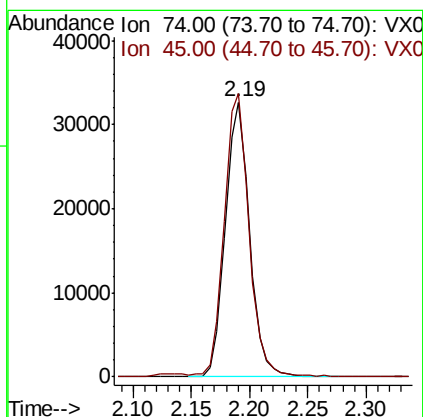
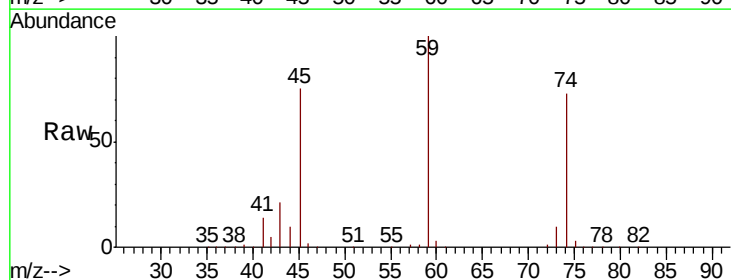
Tgt Ion: 101 Resp: 107598
Ion Ratio Lower Upper
101 100
103 65.9 53.2 79.8

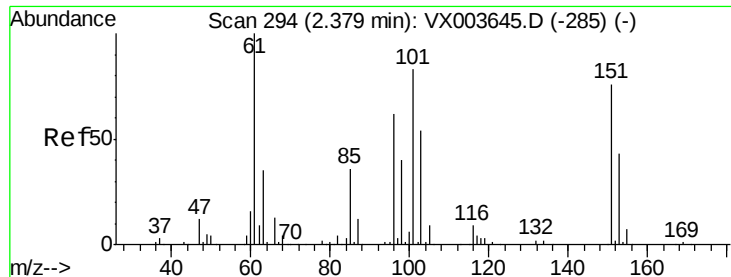


#8

Diethyl Ether
Concen: 48.027 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 74 Resp: 47164
Ion Ratio Lower Upper
74 100
45 104.7 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.542 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

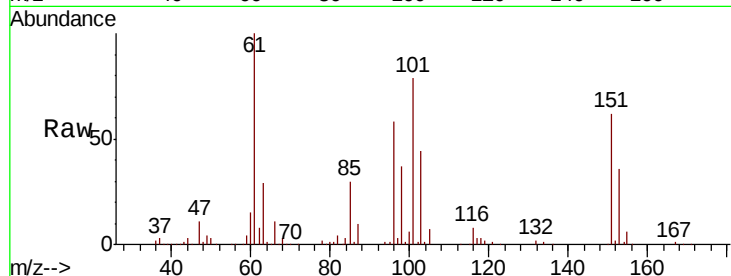
Tgt Ion:101 Resp: 68333

Ion Ratio Lower Upper

101 100

85 42.3 34.6 52.0

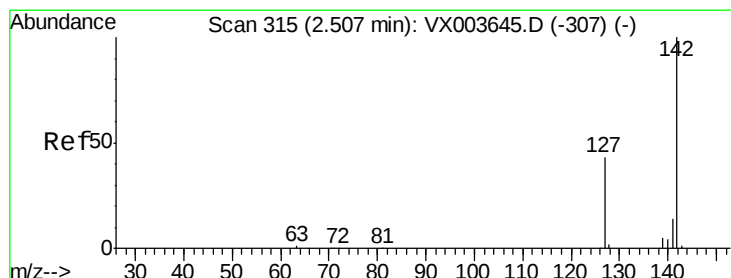
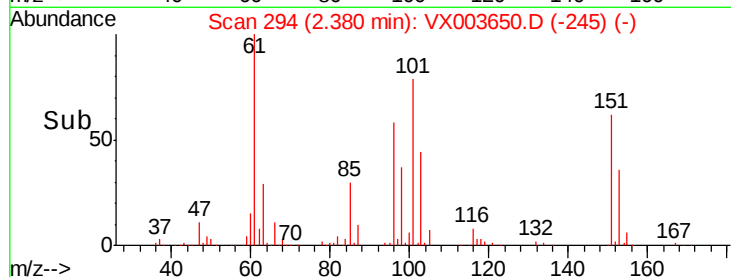
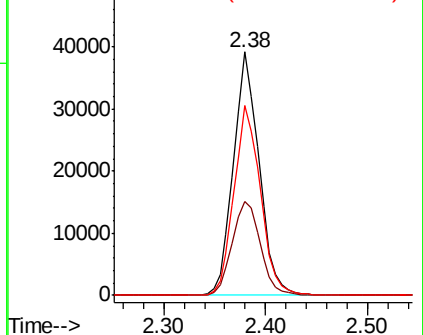
151 80.4 67.5 101.3



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: 46.980 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

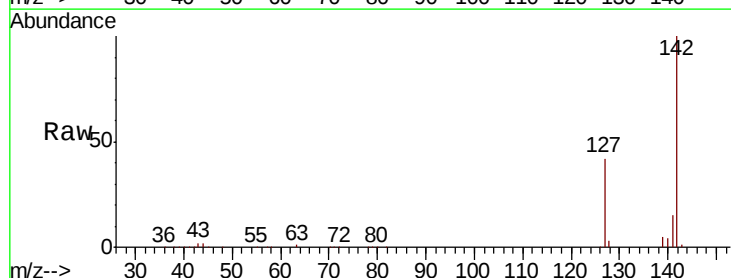
Tgt Ion:142 Resp: 86967

Ion Ratio Lower Upper

142 100

127 42.9 34.0 51.0

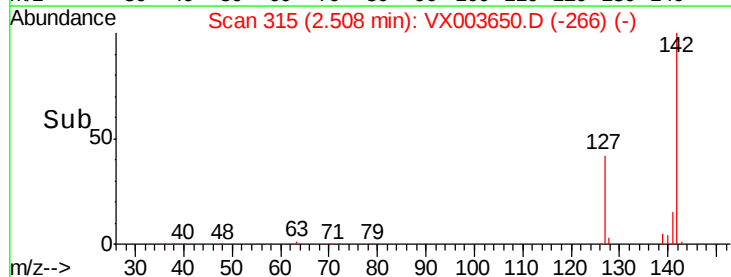
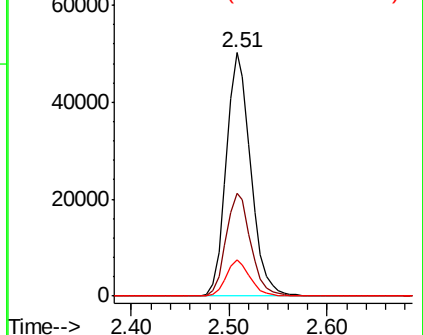
141 14.3 11.3 16.9

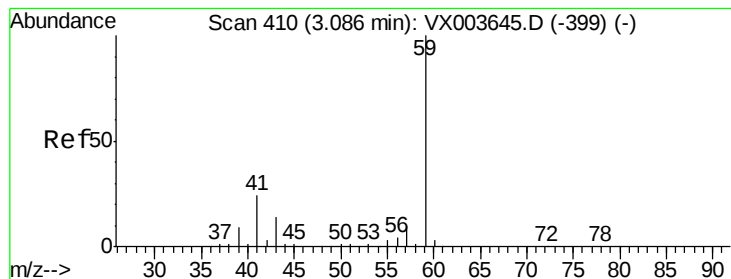


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



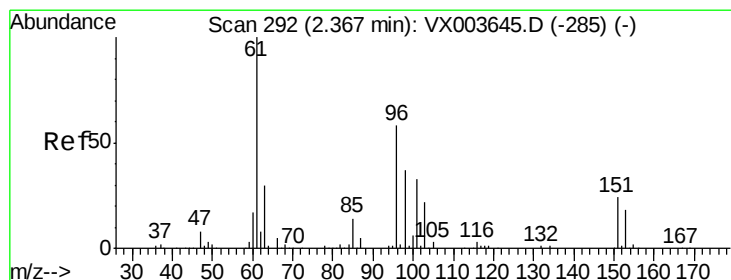
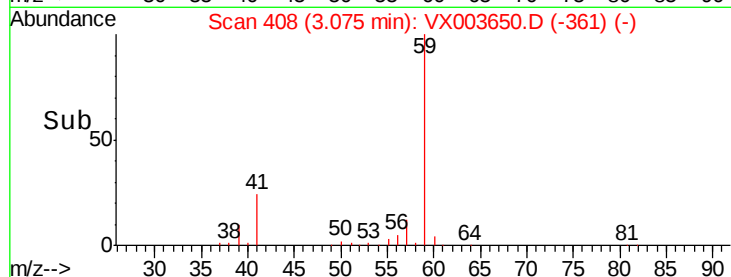
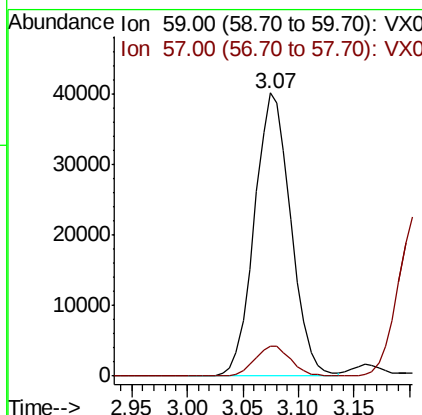
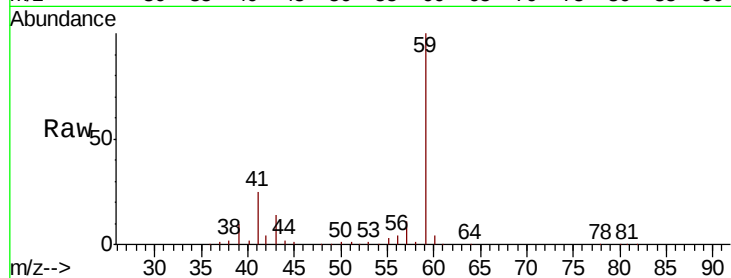


#11

Tert butyl alcohol
 Concen: 227.214 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

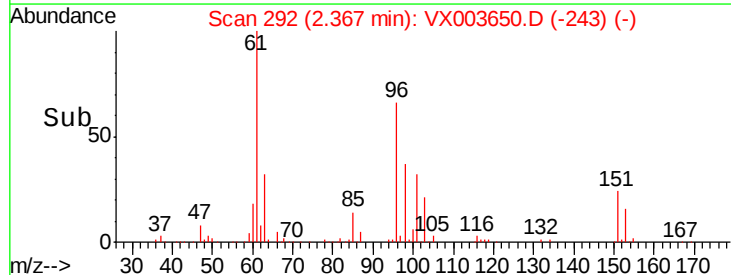
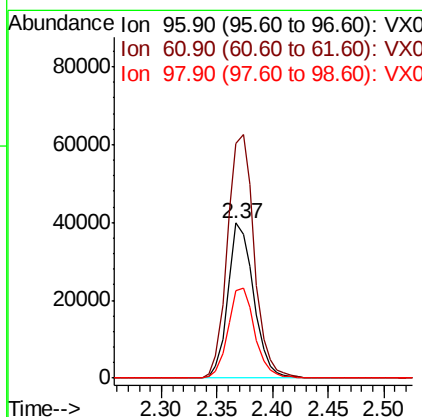
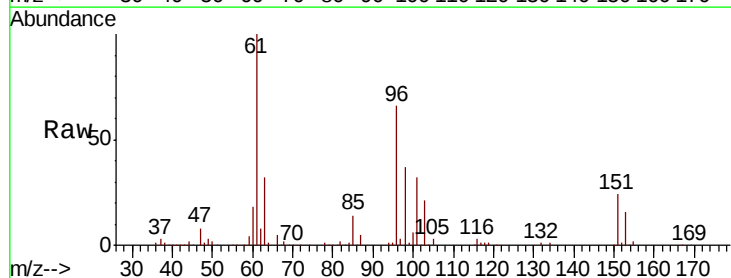
Tgt Ion: 59 Resp: 91287
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

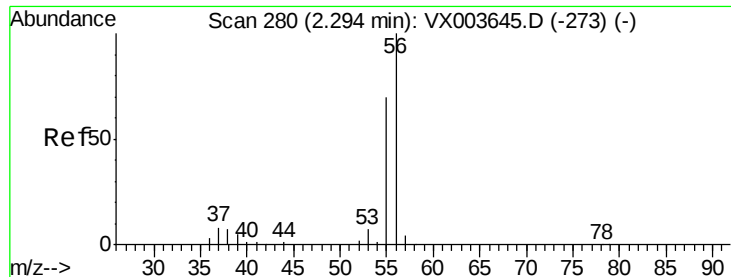


#12

1,1-Dichloroethene
 Concen: 48.754 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 96 Resp: 63985
 Ion Ratio Lower Upper
 96 100
 61 151.5 138.8 208.2
 98 56.3 51.4 77.2

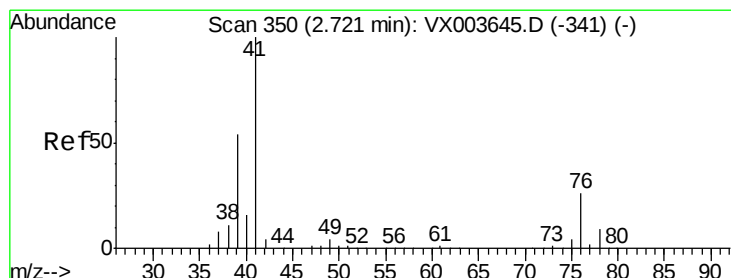
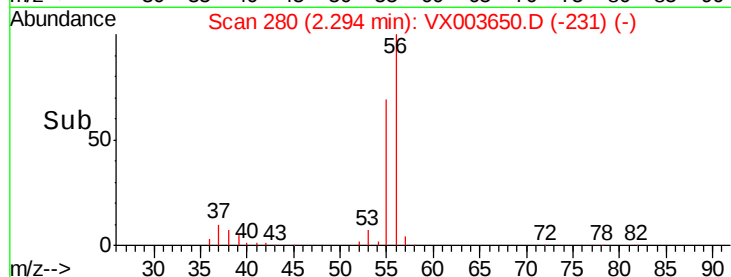
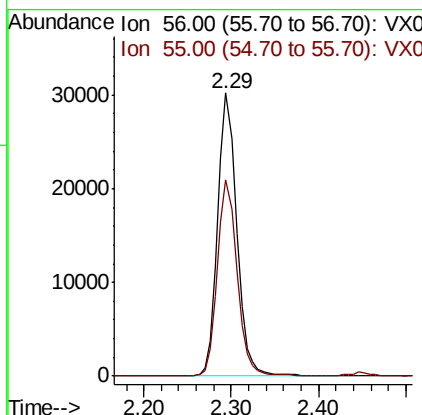
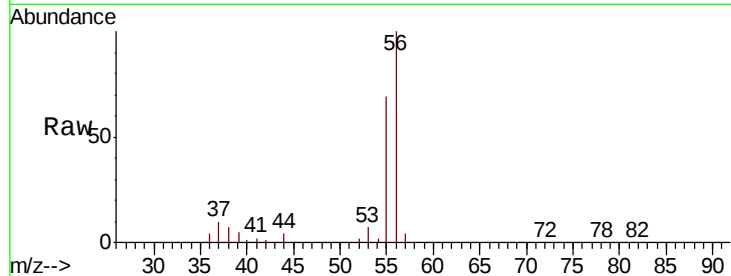




#13
Acrolein
Concen: 226.020 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

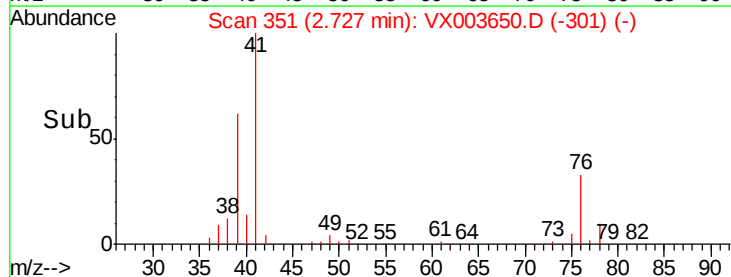
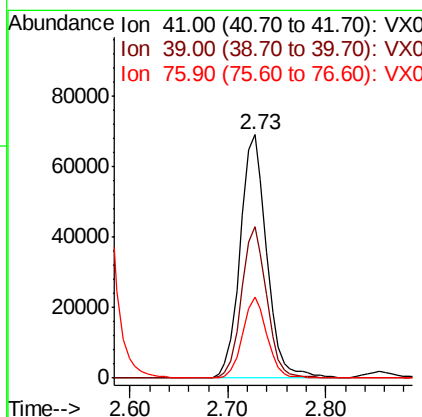
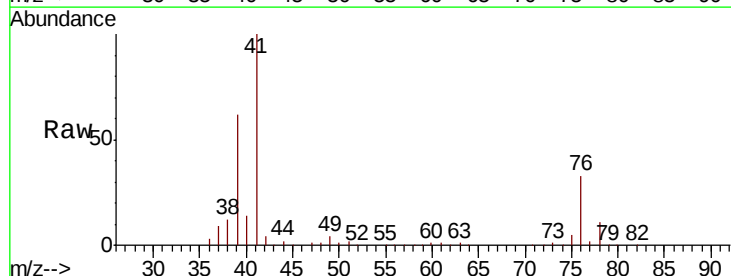
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

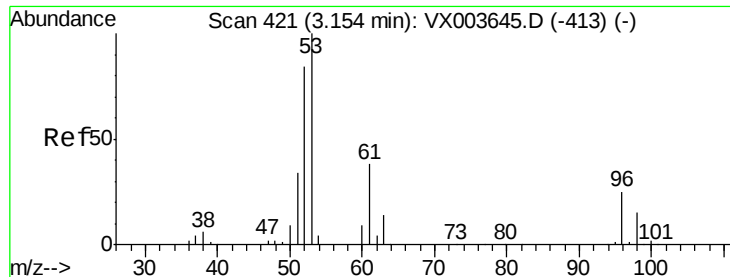
Tgt Ion: 56 Resp: 45837
Ion Ratio Lower Upper
56 100
55 71.6 55.4 83.2



#14
Allyl chloride
Concen: 47.475 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 41 Resp: 129881
Ion Ratio Lower Upper
41 100
39 59.0 45.3 67.9
76 30.7 23.8 35.6





#15

Acrylonitrile

Concen: 238.732 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

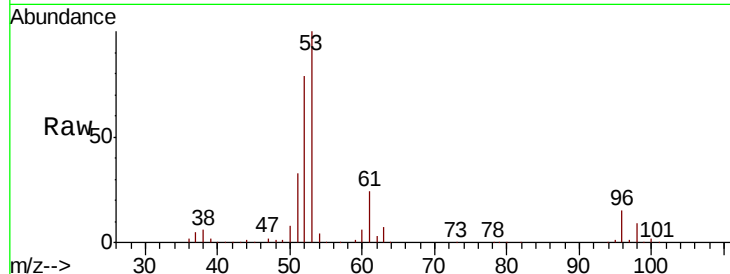
Tgt Ion: 53 Resp: 231745

Ion Ratio Lower Upper

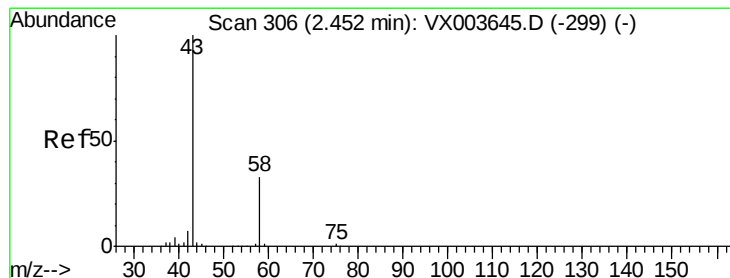
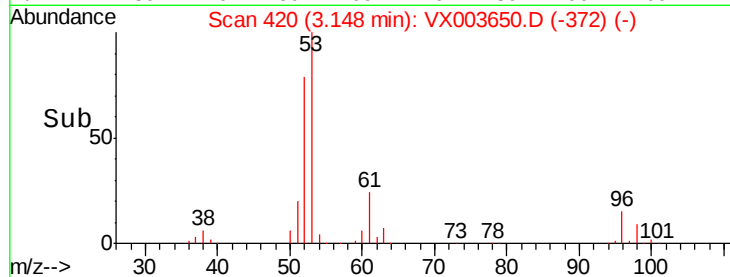
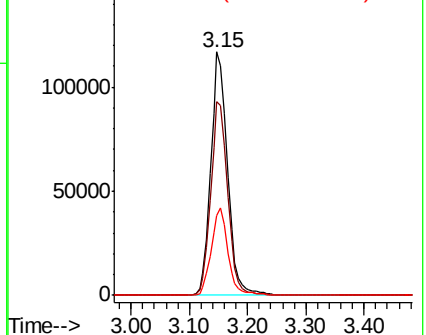
53 100

52 80.9 66.1 99.1

51 35.9 28.2 42.4



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: 225.344 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003650.D

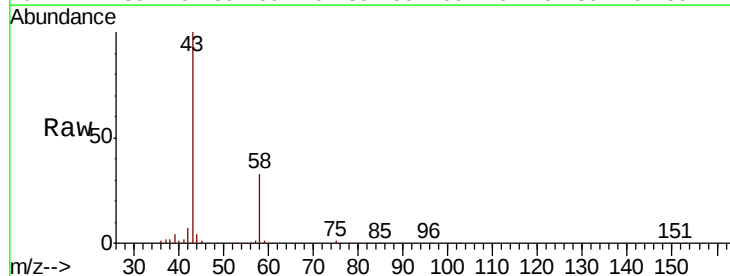
Acq: 25 Jul 2018 10:15

Tgt Ion: 43 Resp: 177935

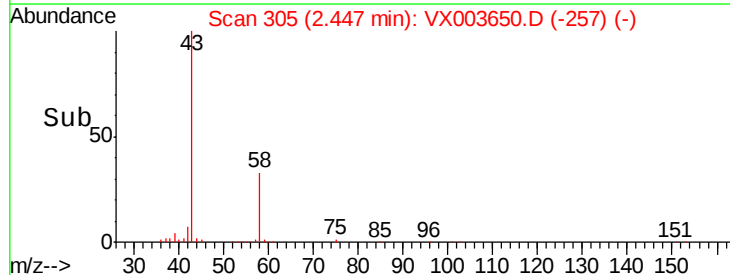
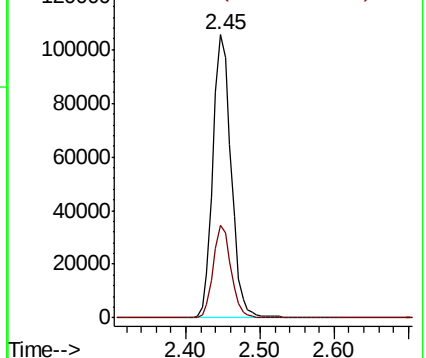
Ion Ratio Lower Upper

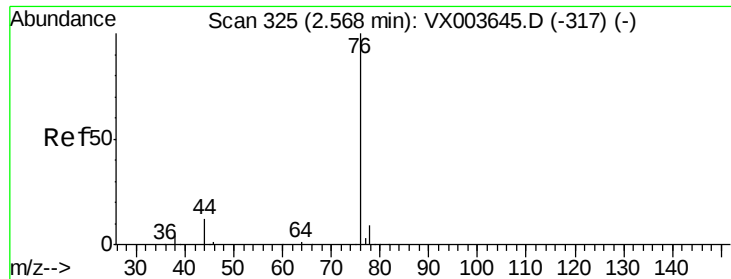
43 100

58 32.6 26.1 39.1



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

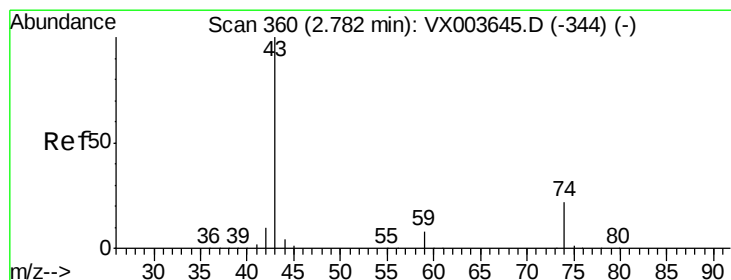
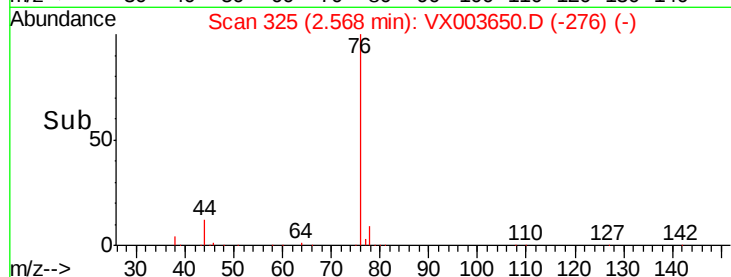
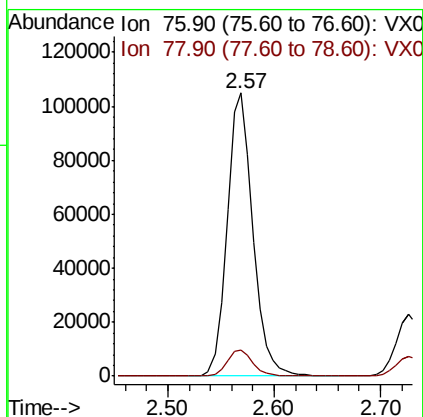
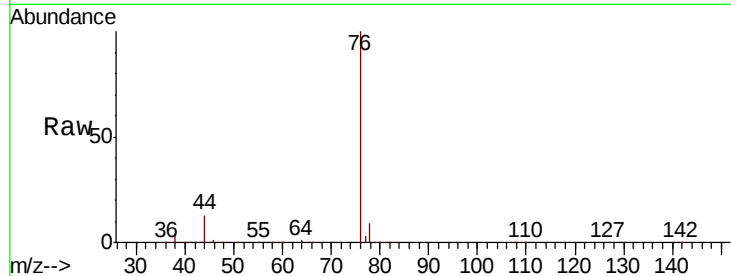




#17
Carbon Disulfide
Concen: 46.880 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

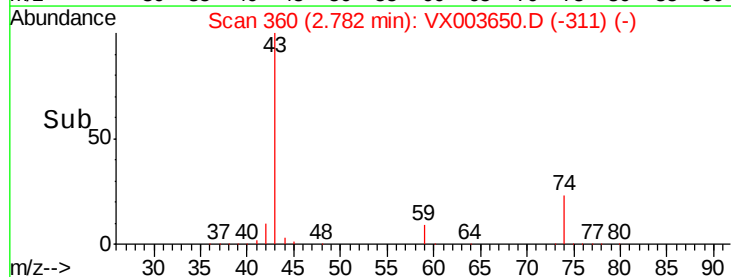
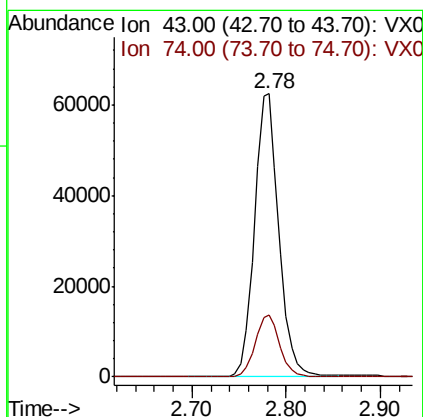
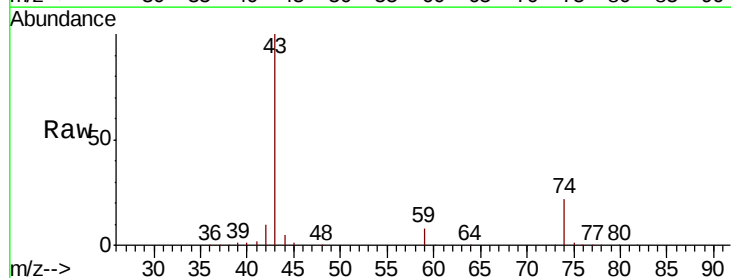
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

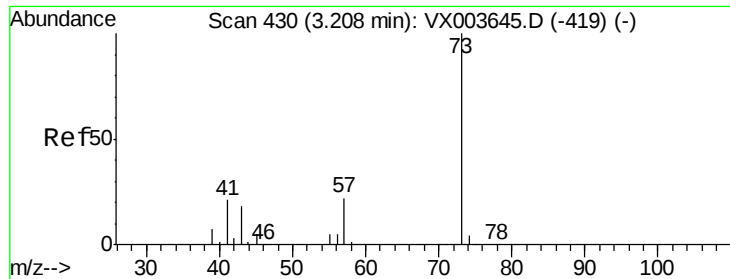
Tgt Ion: 76 Resp: 176975
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 47.387 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 43 Resp: 113011
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8

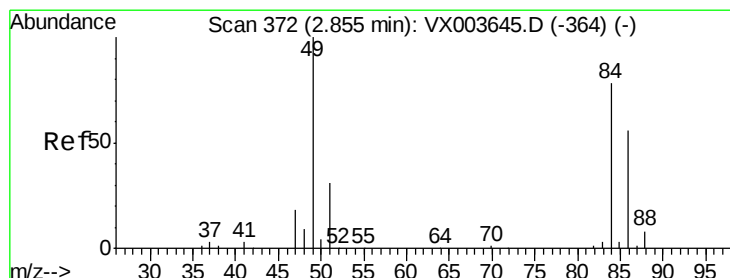
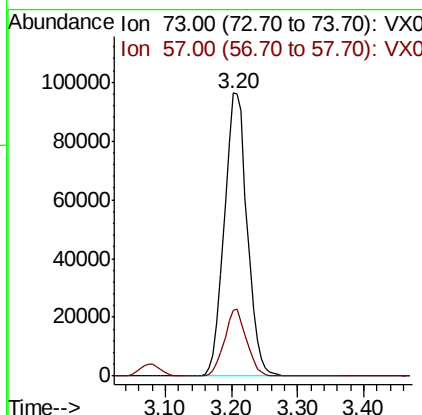
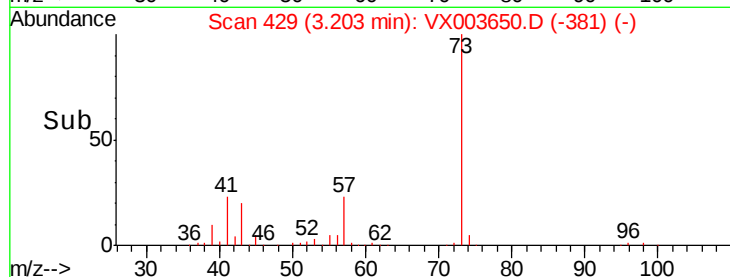
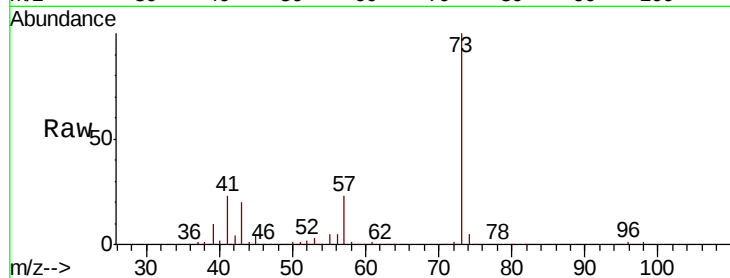




#19
Methyl tert-butyl Ether
Concen: 49.876 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

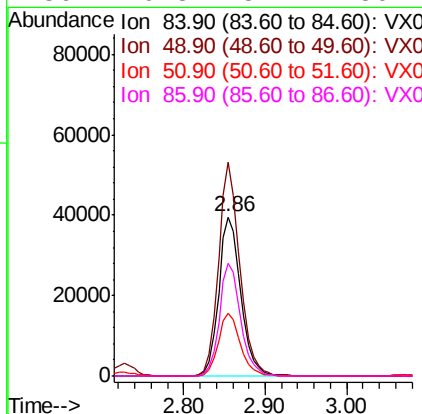
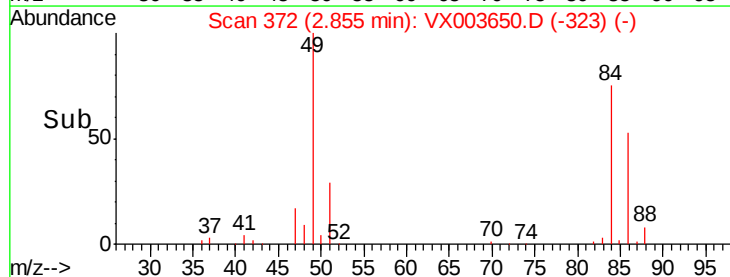
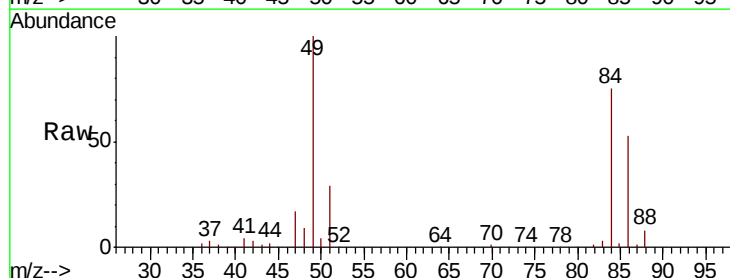
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

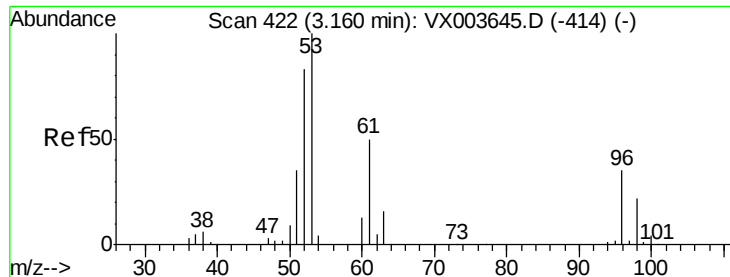
Tgt Ion: 73 Resp: 231181
Ion Ratio Lower Upper
73 100
57 23.5 17.4 26.2



#20
Methylene Chloride
Concen: 47.424 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 84 Resp: 74199
Ion Ratio Lower Upper
84 100
49 134.2 102.3 153.5
51 39.1 31.8 47.8
86 70.8 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 47.189 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

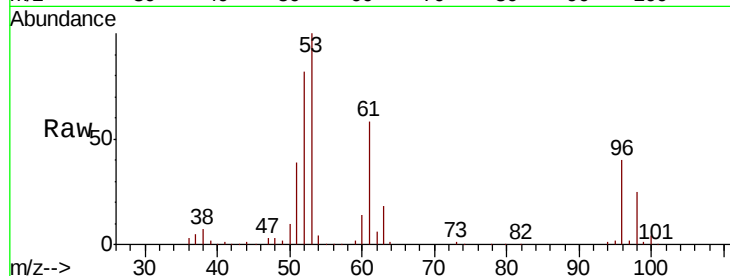
Tgt Ion: 96 Resp: 66595

Ion Ratio Lower Upper

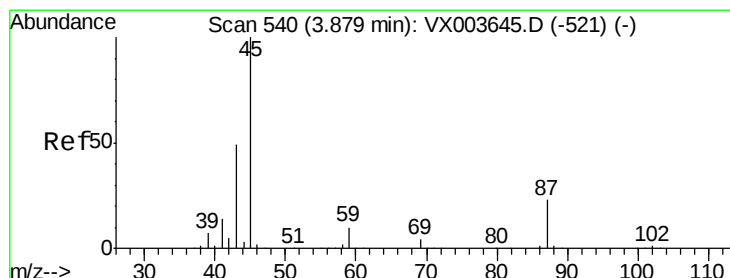
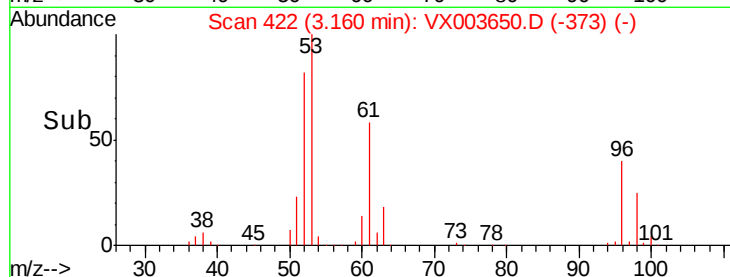
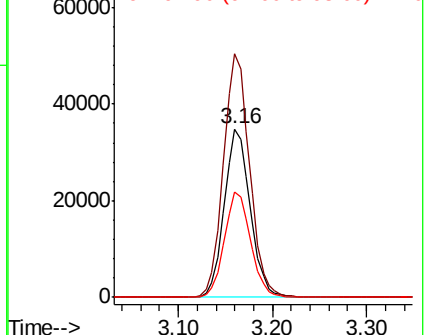
96 100

61 144.7 115.0 172.4

98 62.3 49.7 74.5



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



#22

Diisopropyl ether

Concen: 47.023 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Tgt Ion: 45 Resp: 234891

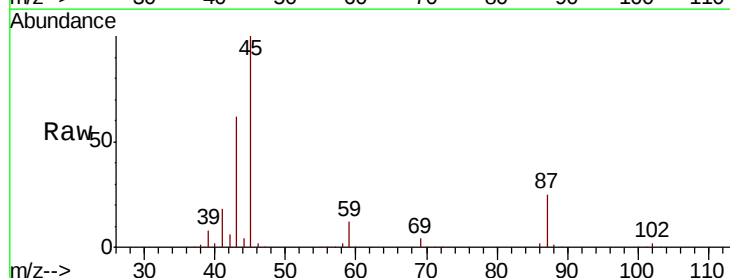
Ion Ratio Lower Upper

45 100

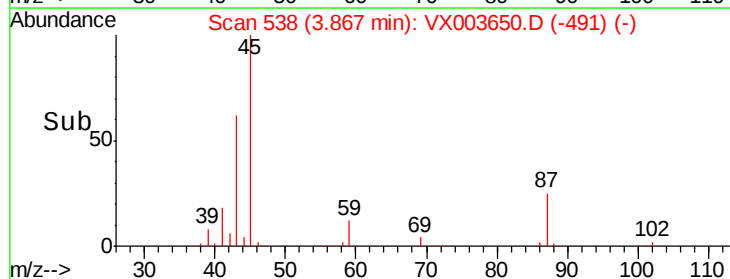
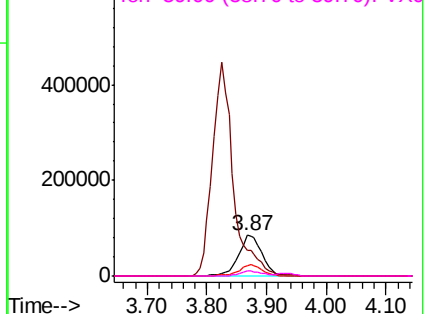
43 61.4 39.0 58.4#

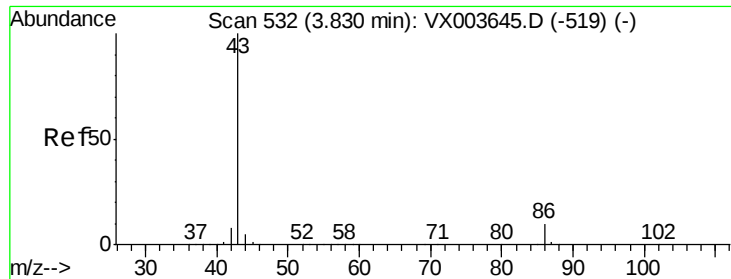
87 24.8 18.4 27.6

59 12.2 7.8 11.8#



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

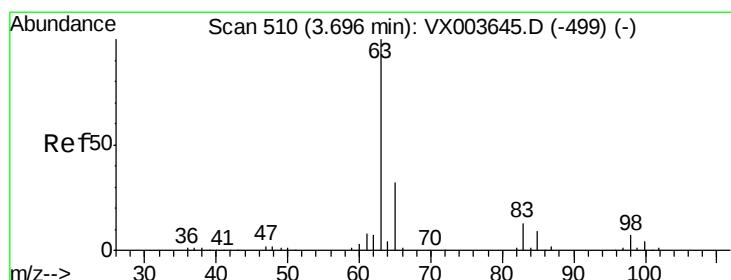
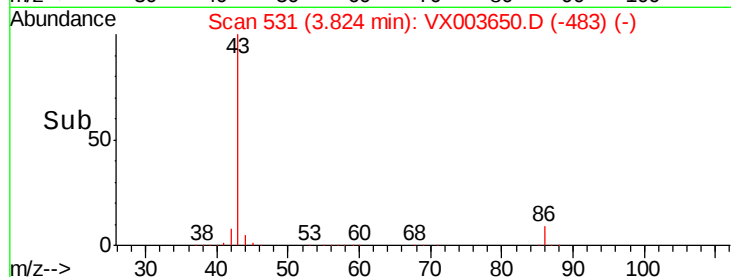
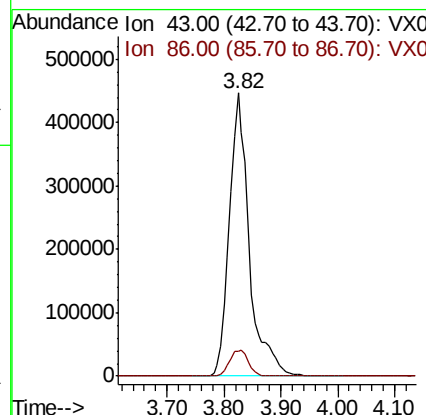
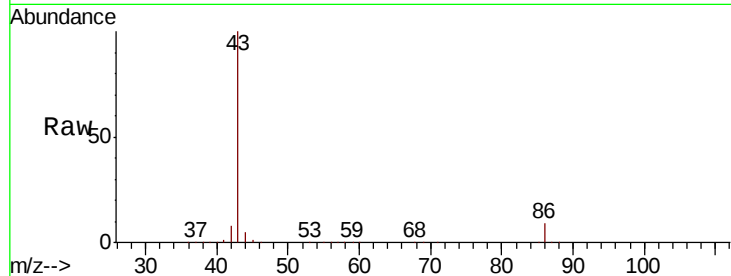




#23
 Vinyl Acetate
 Concen: 253.951 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

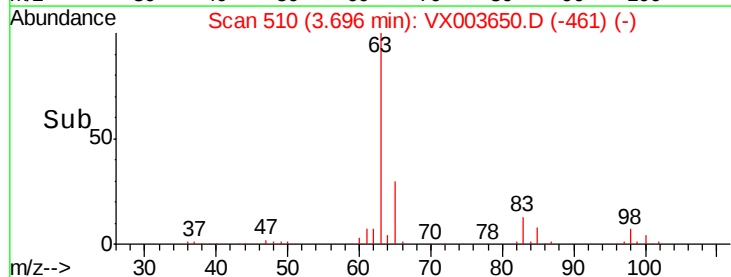
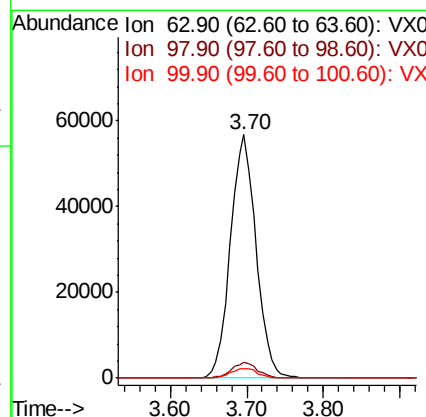
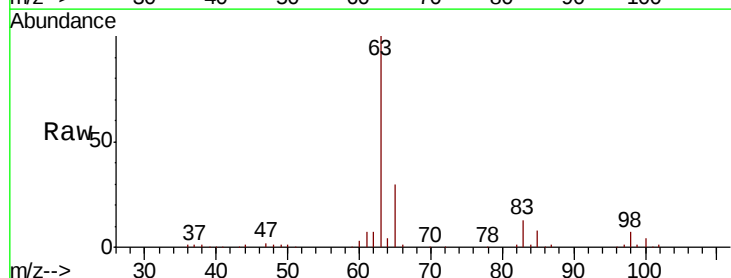
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

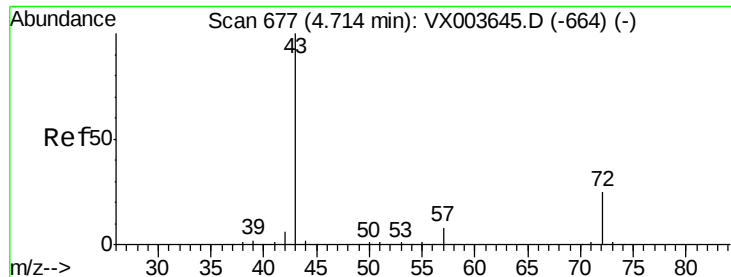
Tgt Ion: 43 Resp: 1086660
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 46.653 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 63 Resp: 131345
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 234.923 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

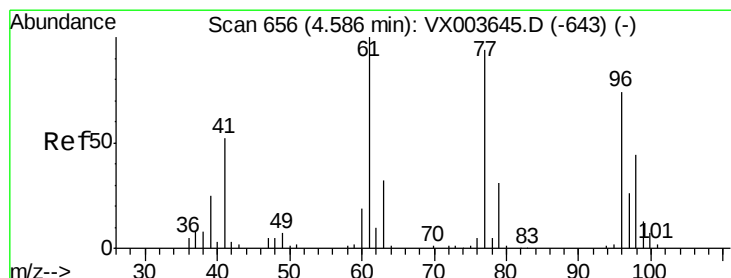
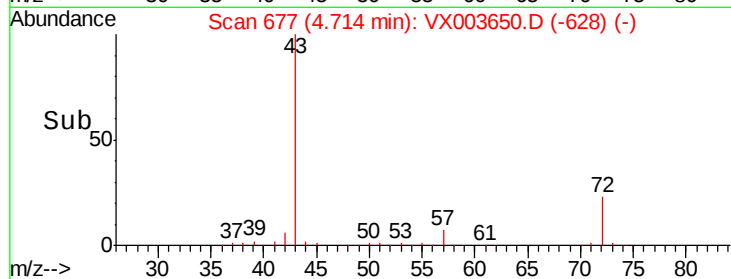
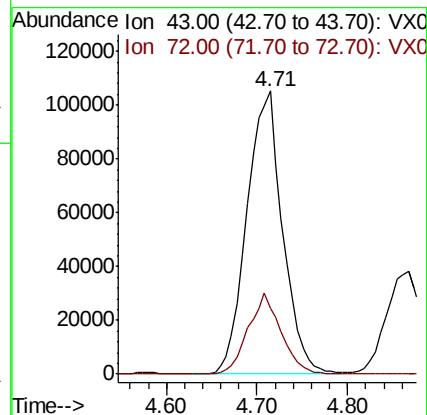
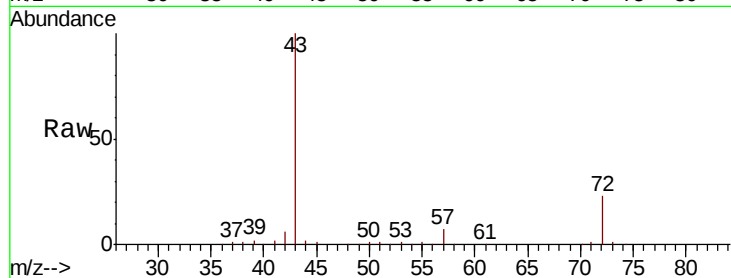
VSTDCCC050

Tgt Ion: 43 Resp: 286567

Ion Ratio Lower Upper

43 100

72 23.0 20.2 30.4



#26

2,2-Dichloropropane

Concen: 52.450 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003650.D

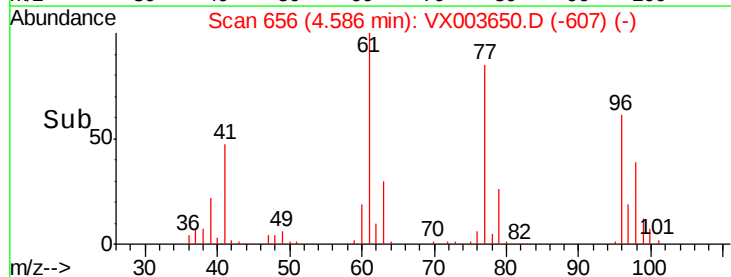
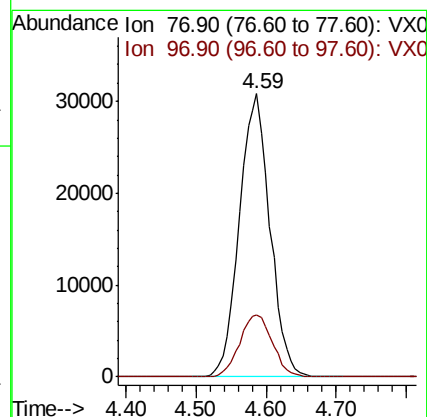
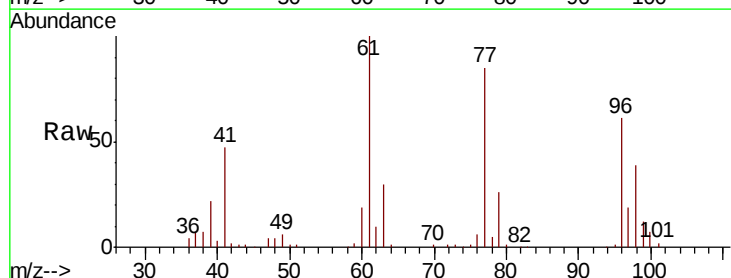
Acq: 25 Jul 2018 10:15

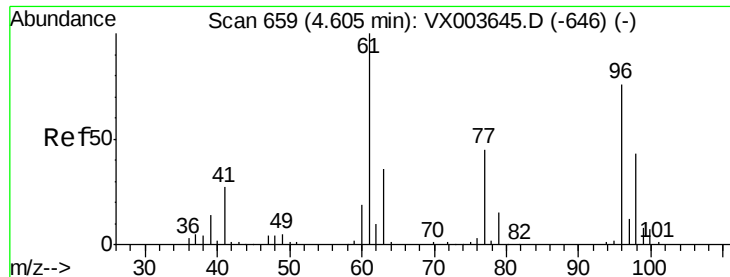
Tgt Ion: 77 Resp: 93364

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.0



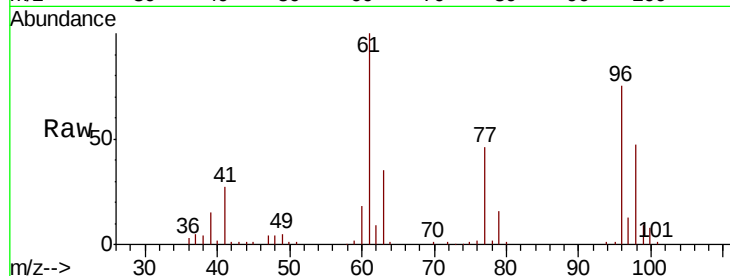


#27

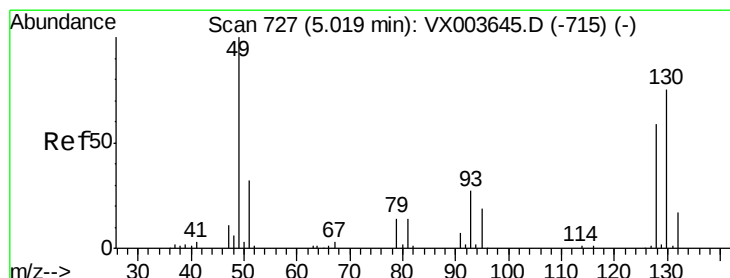
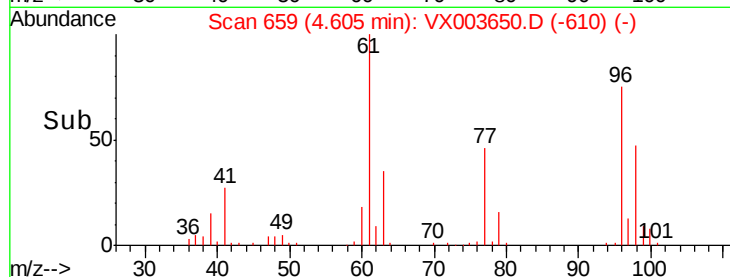
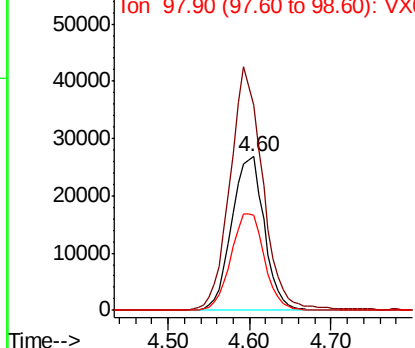
cis-1,2-Dichloroethene
 Concen: 48.356 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 74094
 Ion Ratio Lower Upper
 96 100
 61 159.0 0.0 313.6
 98 64.6 0.0 125.6



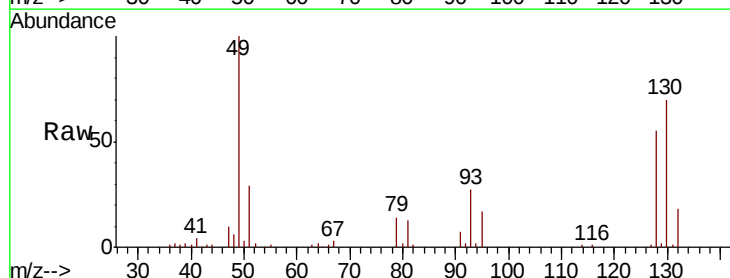
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



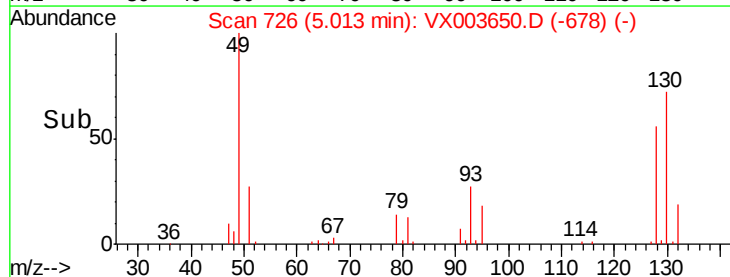
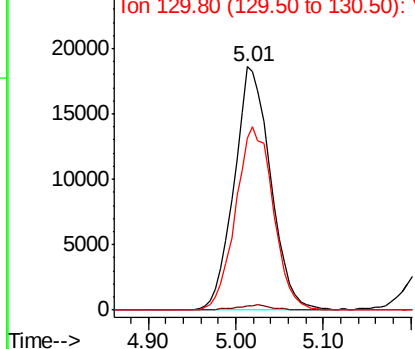
#28

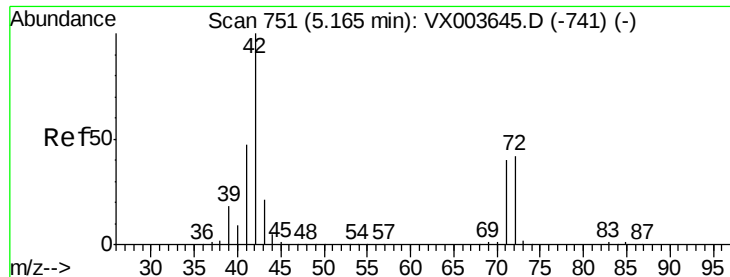
Bromochloromethane
 Concen: 47.720 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 49 Resp: 53913
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 77.5 61.0 91.6



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: 239.195 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

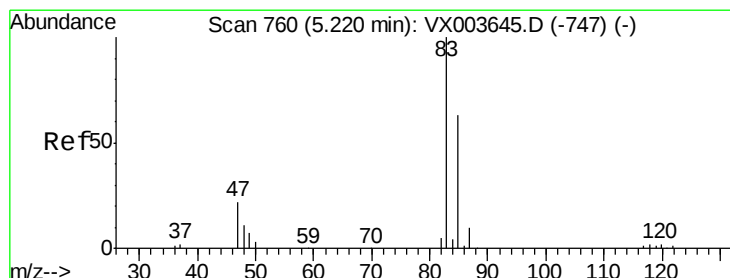
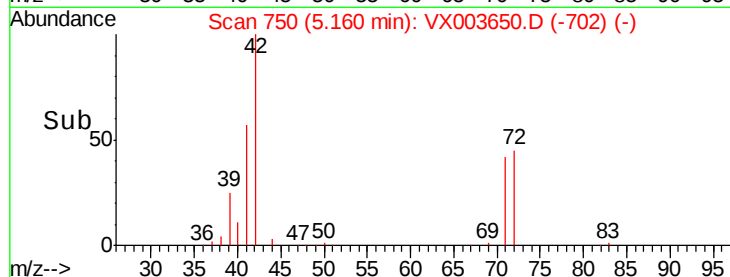
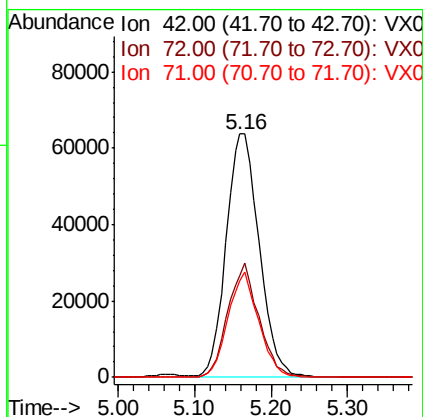
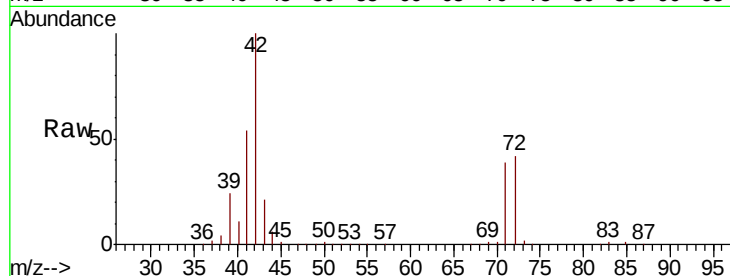
Tgt Ion: 42 Resp: 189937

Ion Ratio Lower Upper

42 100

72 44.2 33.4 50.0

71 40.3 31.0 46.6



#30

Chloroform

Concen: 48.419 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003650.D

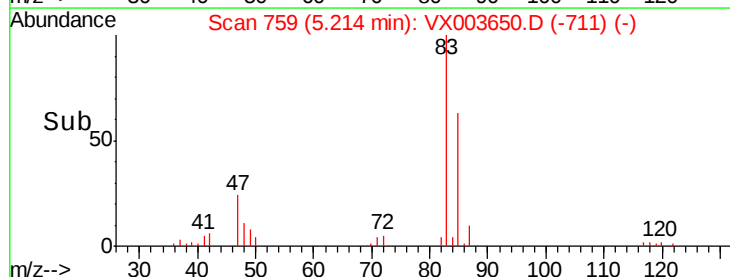
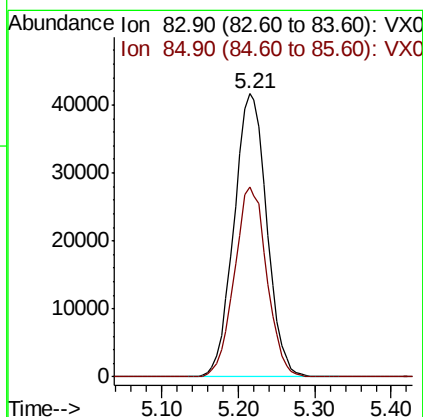
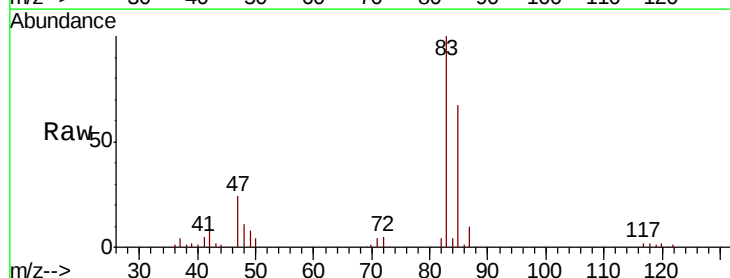
Acq: 25 Jul 2018 10:15

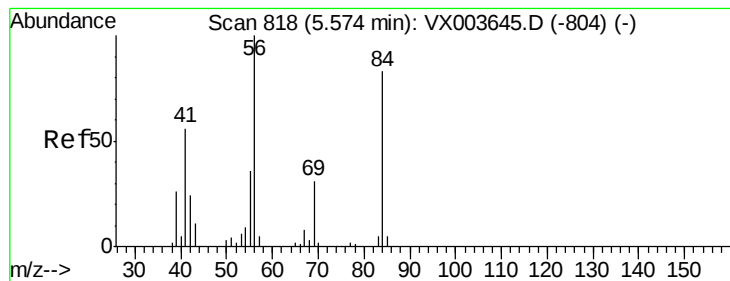
Tgt Ion: 83 Resp: 123645

Ion Ratio Lower Upper

83 100

85 66.9 50.2 75.4





#31

Cyclohexane

Concen: 50.173 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

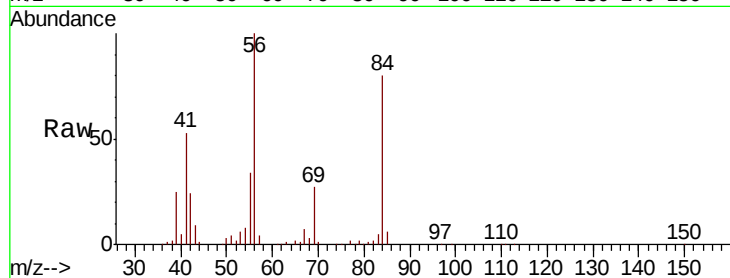
Tgt Ion: 56 Resp: 113385

Ion Ratio Lower Upper

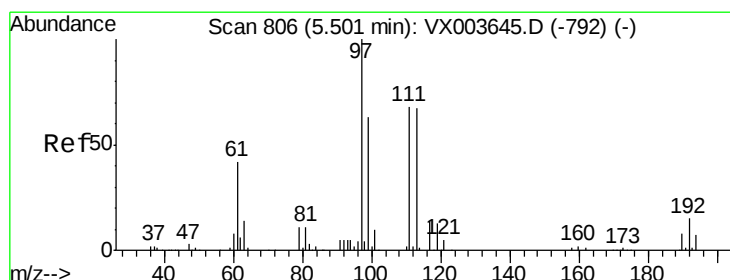
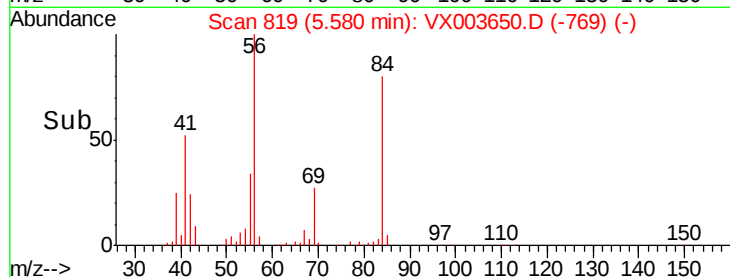
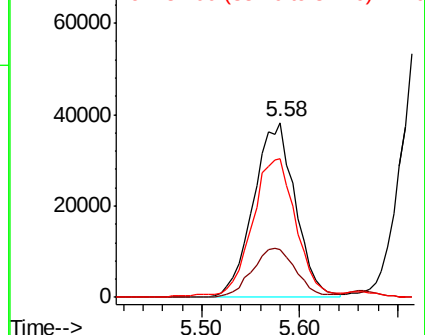
56 100

69 27.2 25.0 37.6

84 78.5 66.5 99.7



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



#32

1,1,1-Trichloroethane

Concen: 48.458 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

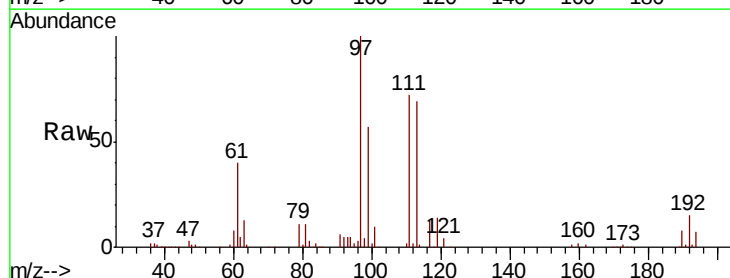
Tgt Ion: 97 Resp: 102767

Ion Ratio Lower Upper

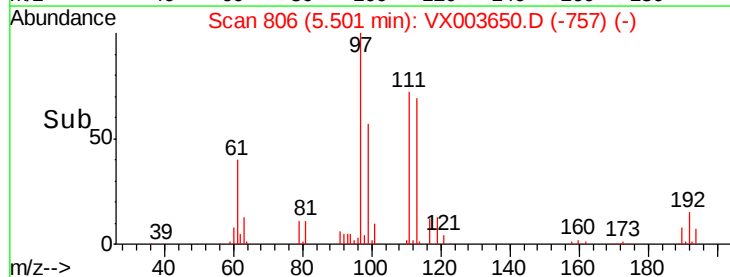
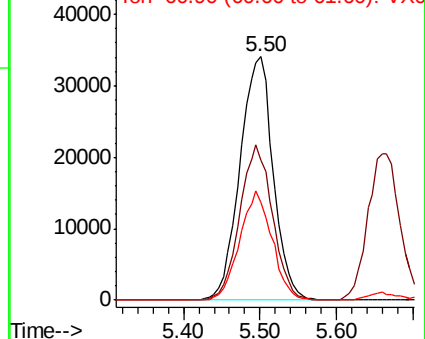
97 100

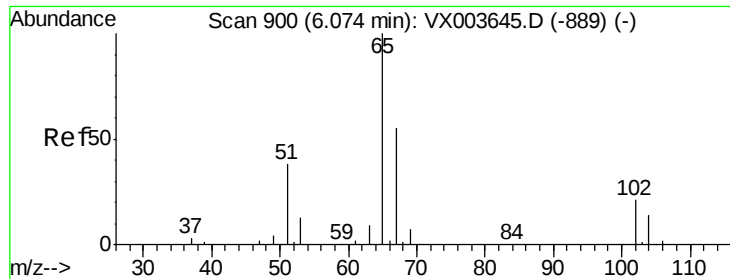
99 62.7 50.4 75.6

61 43.6 34.5 51.7



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

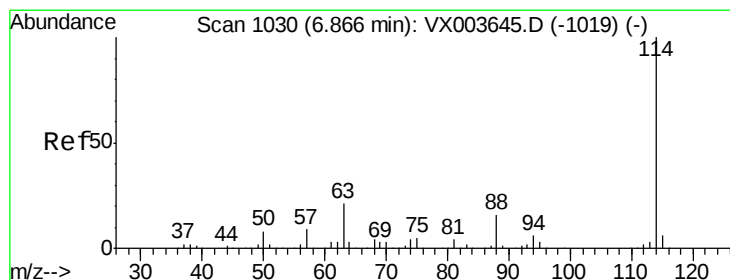
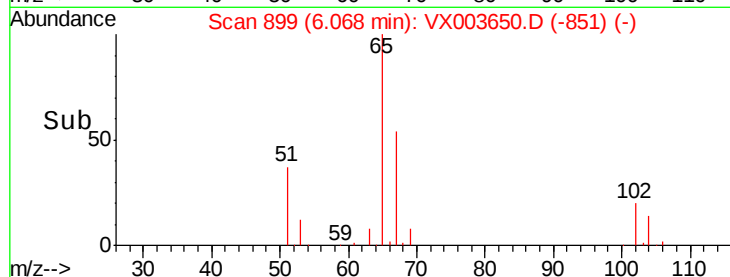
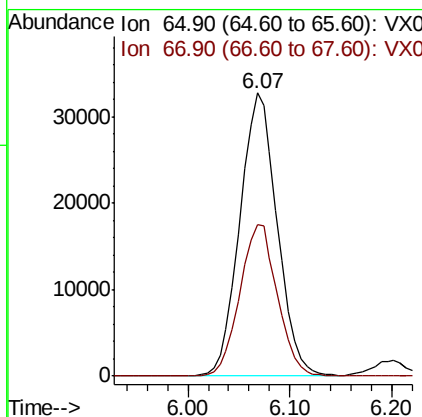
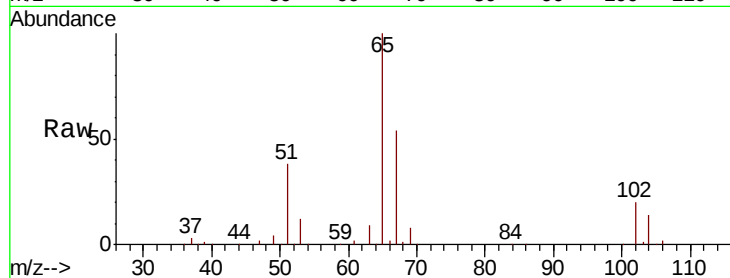




#33
 1,2-Dichloroethane-d4
 Concen: 49.467 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

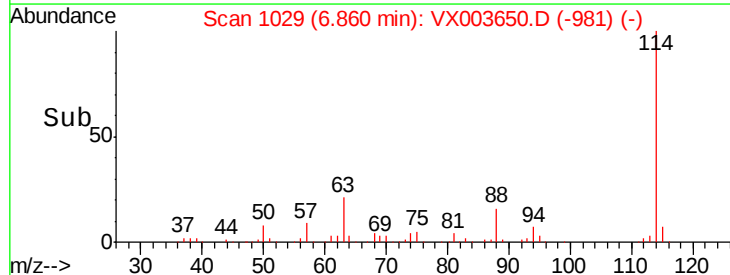
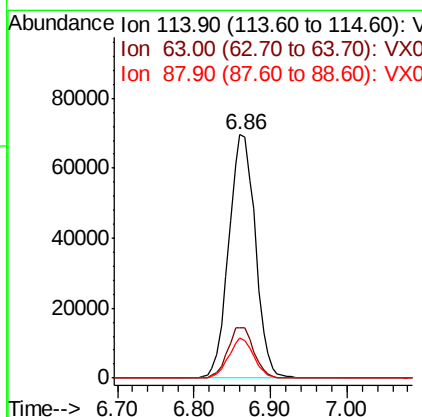
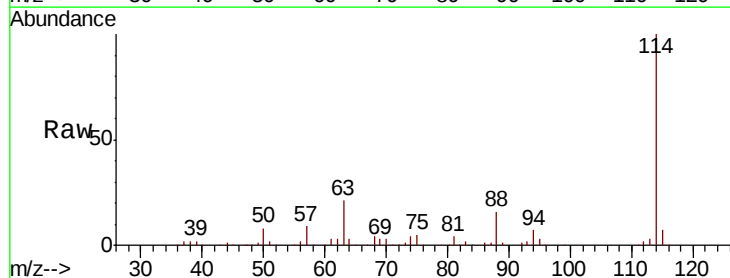
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

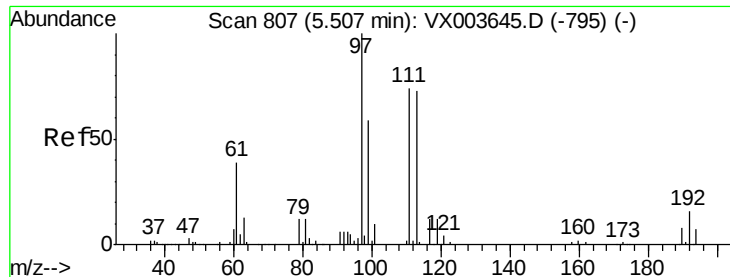
Tgt Ion: 65 Resp: 83142
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 114 Resp: 167213
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.0
 88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.656 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

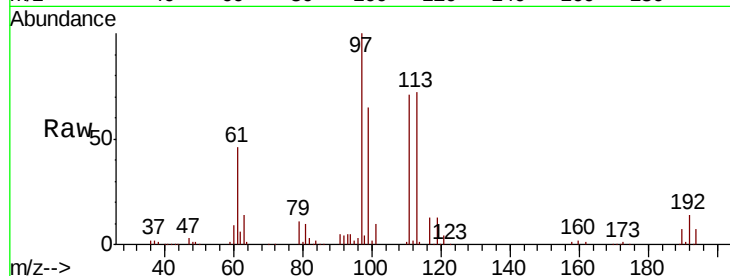
Tgt Ion:113 Resp: 67877

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

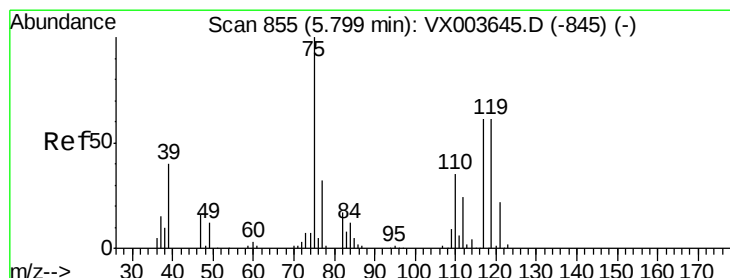
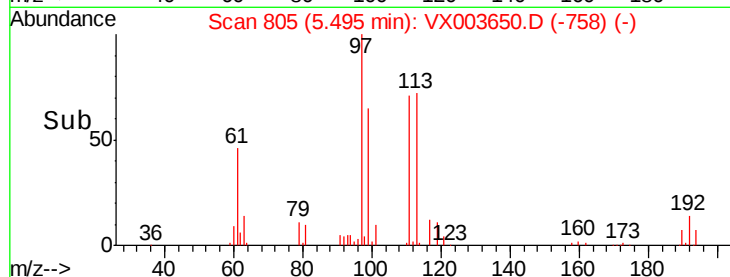
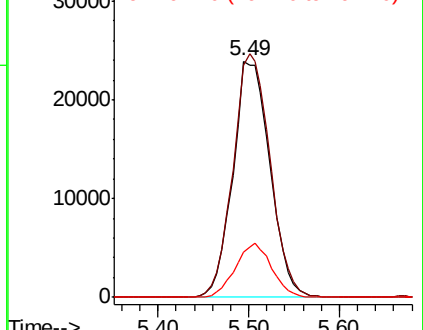
192 22.2 18.2 27.4



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: 48.517 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

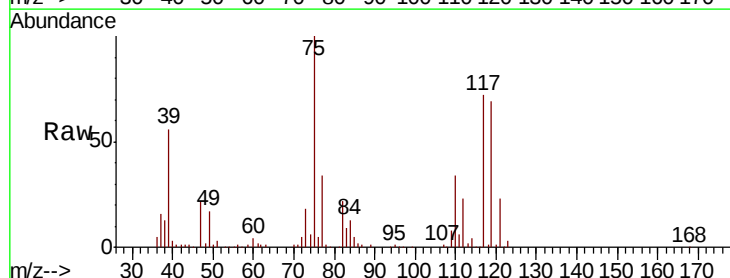
Tgt Ion: 75 Resp: 94827

Ion Ratio Lower Upper

75 100

110 34.8 18.1 54.1

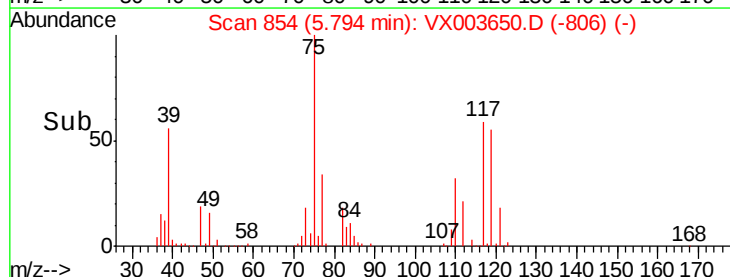
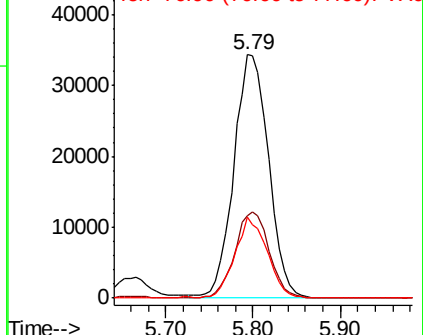
77 30.9 25.1 37.7

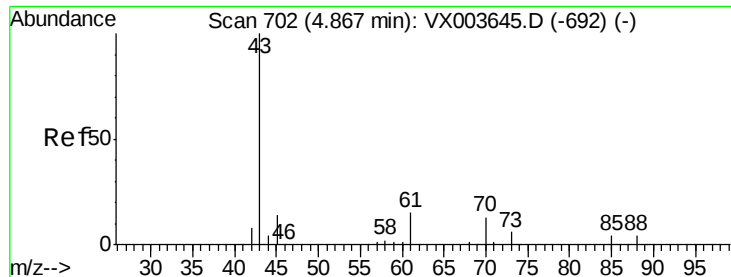


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 47.044 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

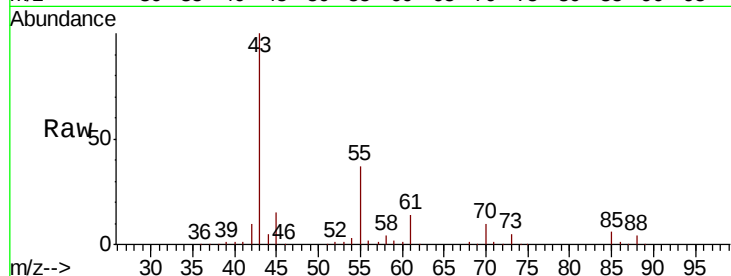
Tgt Ion: 43 Resp: 110564

Ion Ratio Lower Upper

43 100

61 14.4 11.9 17.9

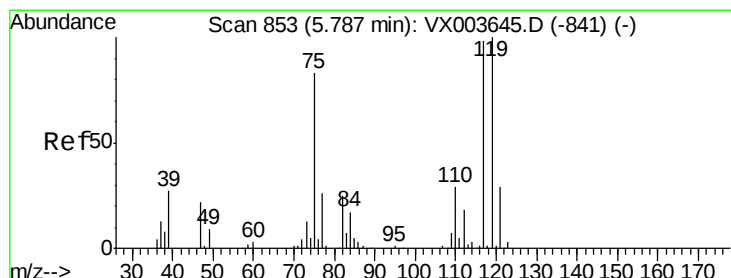
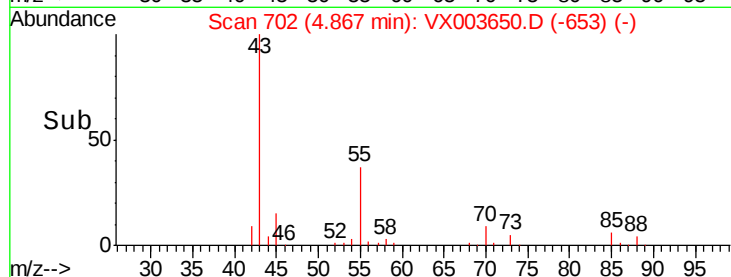
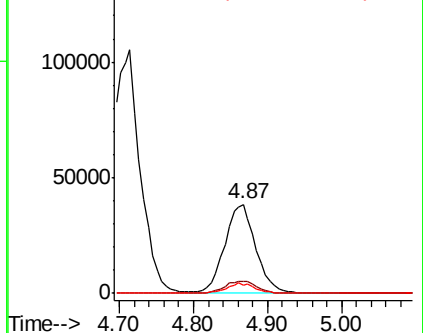
70 10.4 8.6 12.8



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: 47.924 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

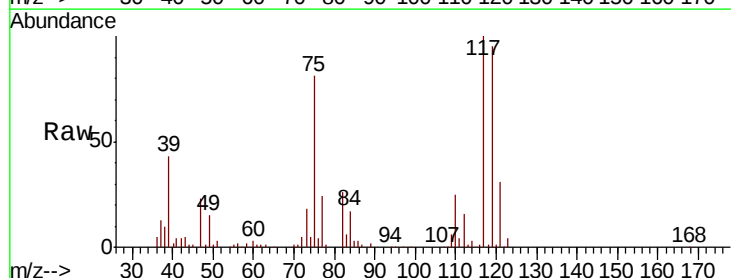
Tgt Ion: 117 Resp: 90282

Ion Ratio Lower Upper

117 100

119 95.3 81.0 121.4

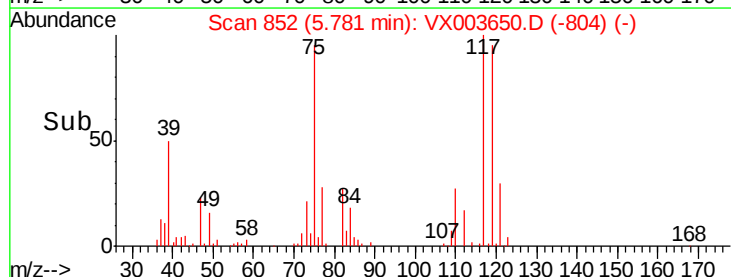
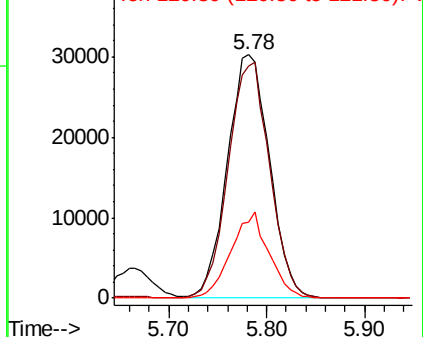
121 31.2 23.7 35.5

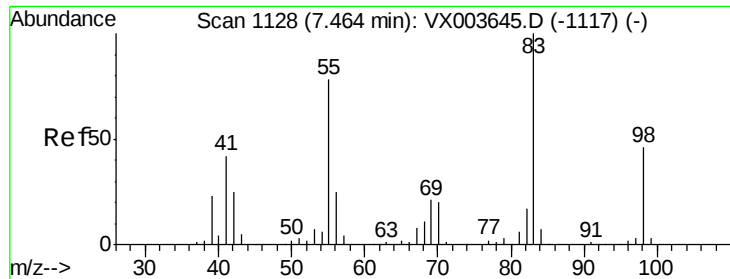


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

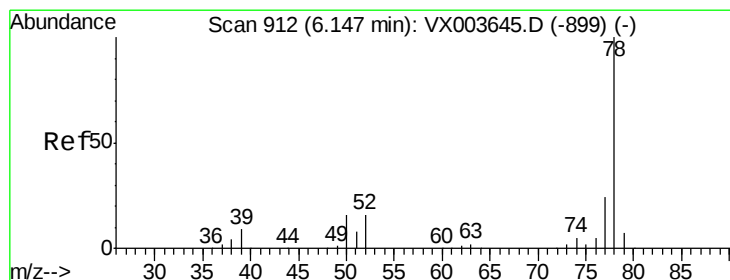
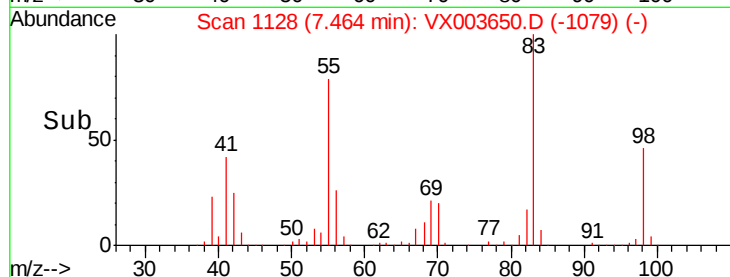
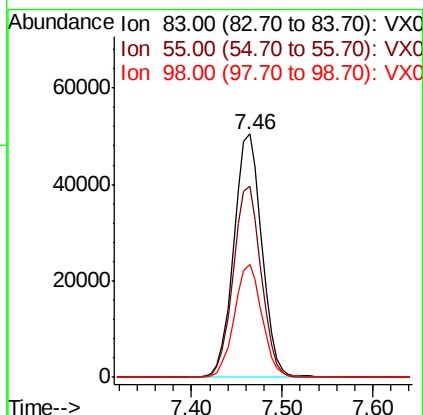
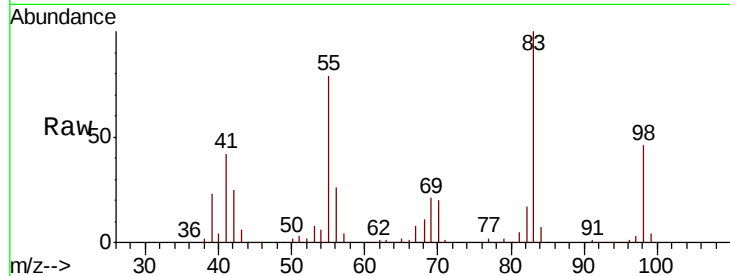




#39
Methylcyclohexane
Concen: 50.699 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

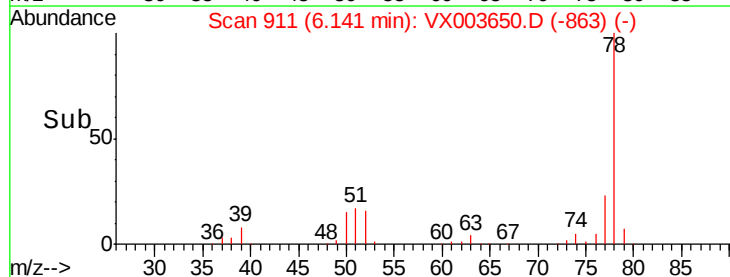
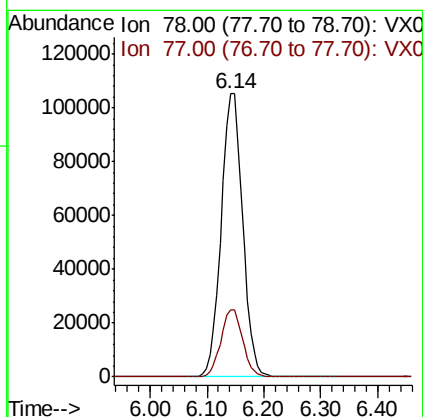
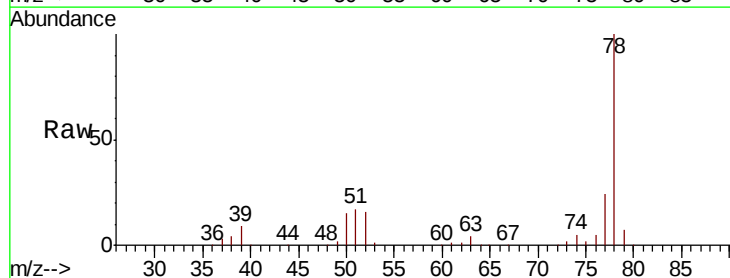
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

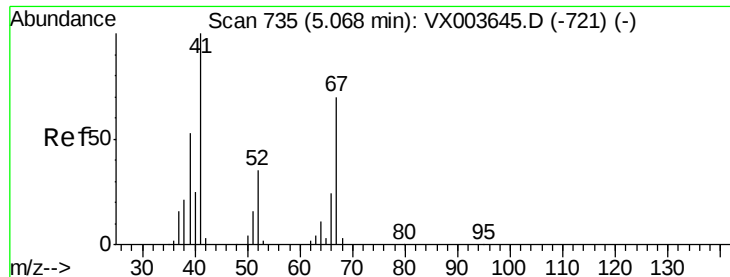
Tgt Ion: 83 Resp: 109076
Ion Ratio Lower Upper
83 100
55 78.7 62.6 93.8
98 46.3 36.6 55.0



#40
Benzene
Concen: 47.844 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 78 Resp: 276733
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 48.897 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 63636

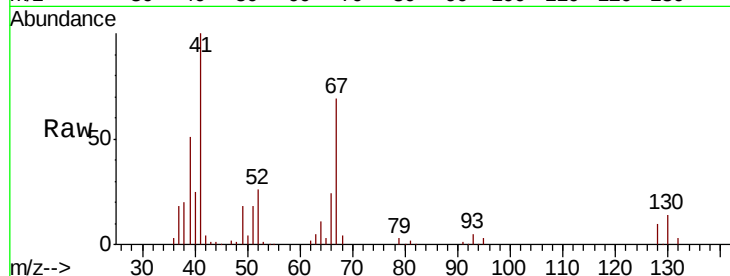
Ion Ratio Lower Upper

41 100

39 53.0 42.2 63.4

67 70.2 56.6 84.8

52 28.9 24.0 36.0

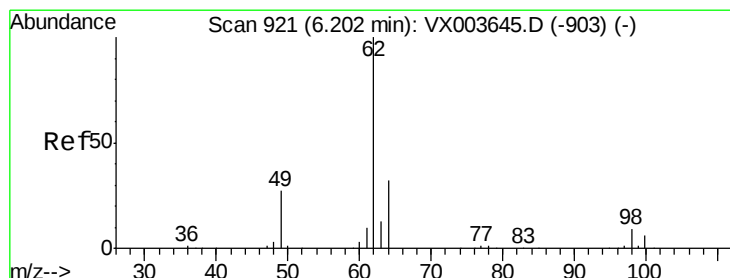
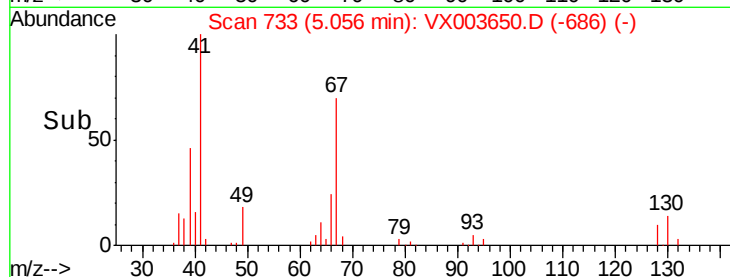
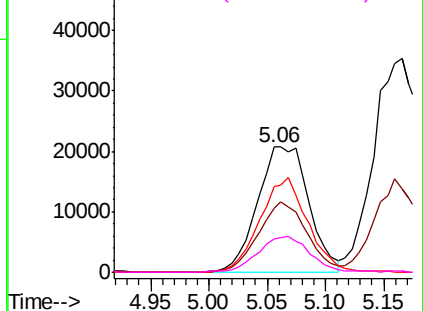


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.641 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003650.D

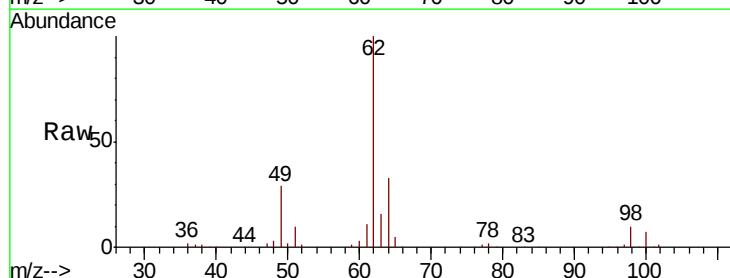
Acq: 25 Jul 2018 10:15

Tgt Ion: 62 Resp: 99023

Ion Ratio Lower Upper

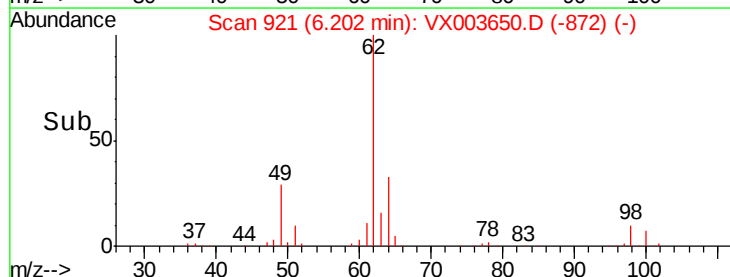
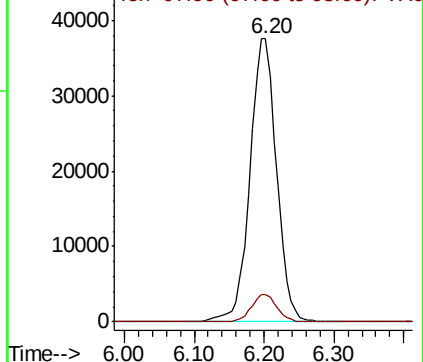
62 100

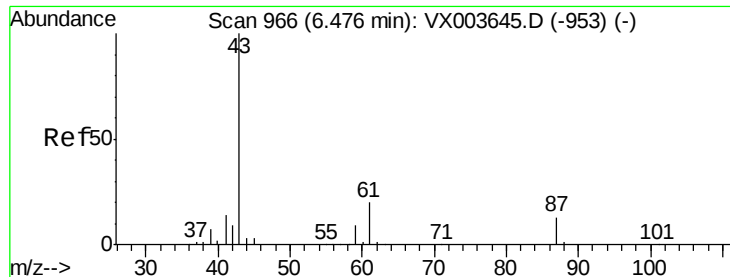
98 9.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.299 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

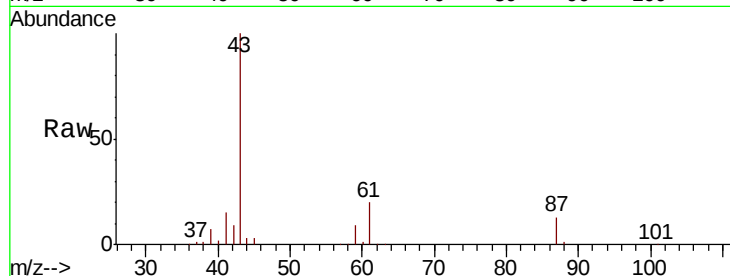
Tgt Ion: 43 Resp: 169026

Ion Ratio Lower Upper

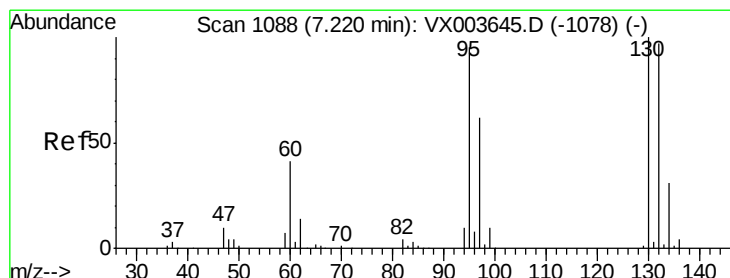
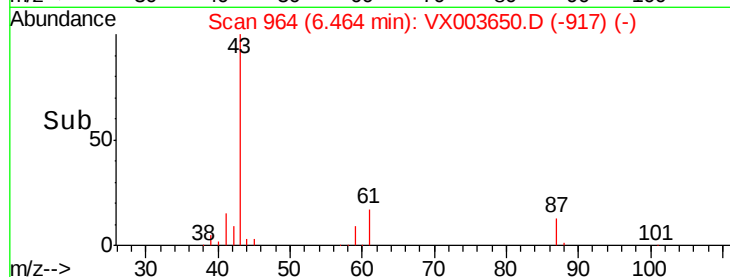
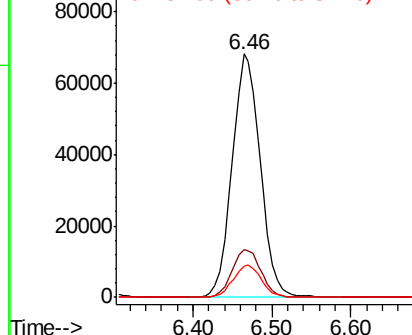
43 100

61 20.1 15.9 23.9

87 13.1 10.1 15.1



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: 46.338 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003650.D

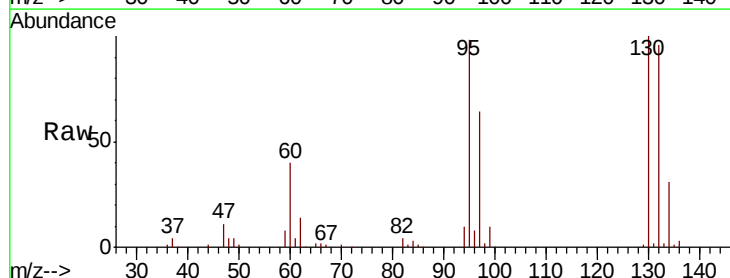
Acq: 25 Jul 2018 10:15

Tgt Ion: 130 Resp: 71859

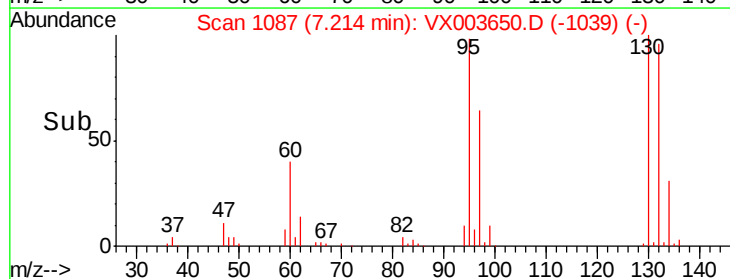
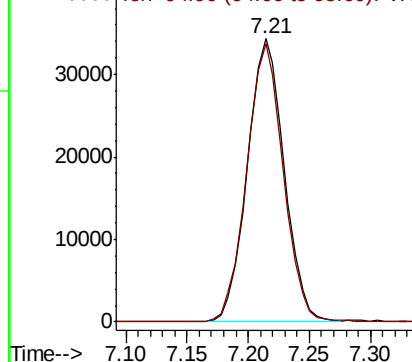
Ion Ratio Lower Upper

130 100

95 98.4 0.0 190.0



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





#45

1,2-Dichloropropane

Concen: 49.269 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

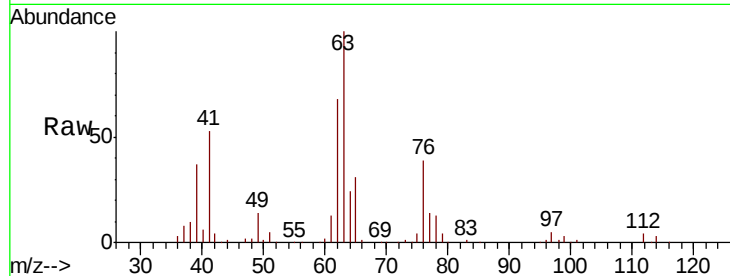
VSTDCCC050

Tgt Ion: 63 Resp: 73663

Ion Ratio Lower Upper

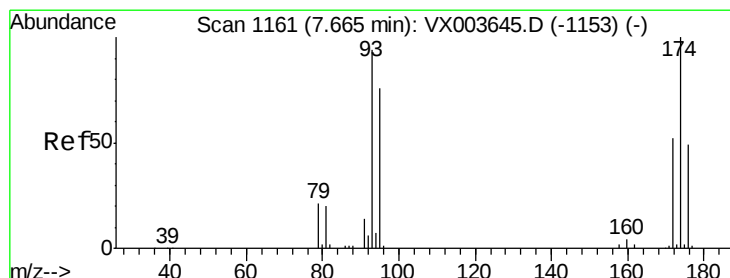
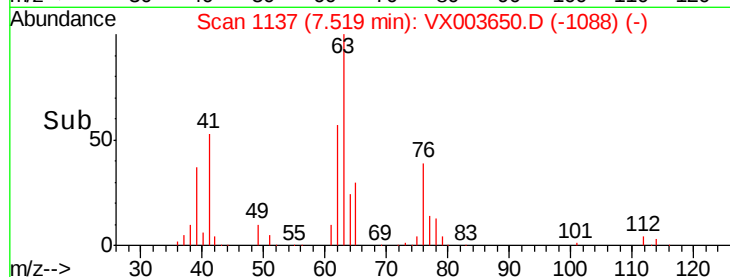
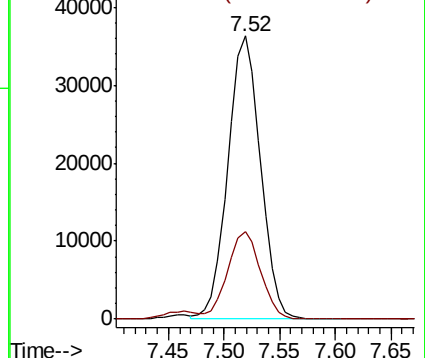
63 100

65 30.9 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.553 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

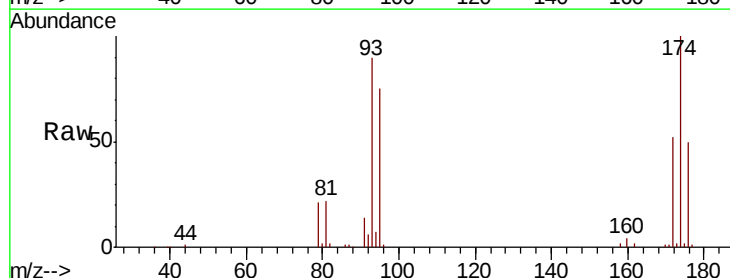
Tgt Ion: 93 Resp: 47594

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

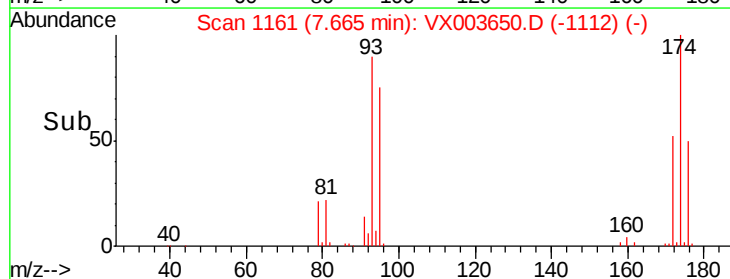
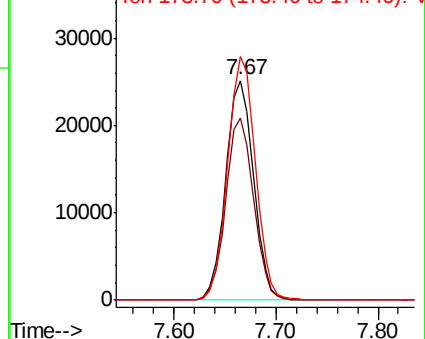
174 110.7 89.6 134.4

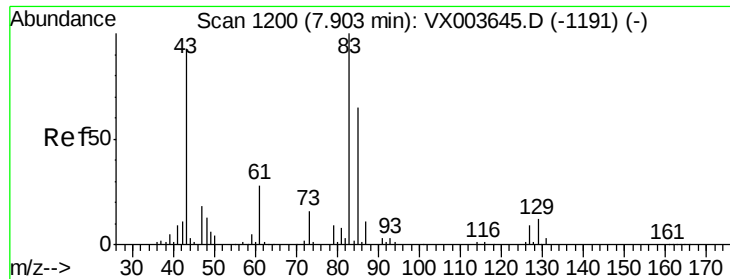


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.138 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

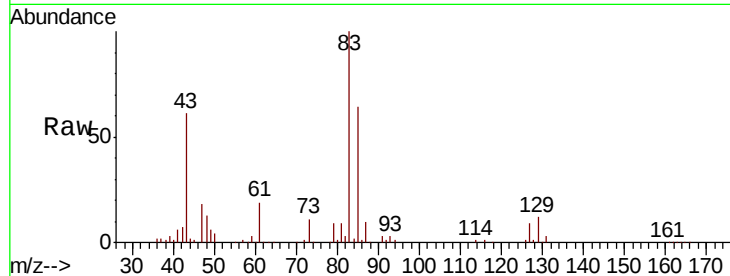
Tgt Ion: 83 Resp: 90289

Ion Ratio Lower Upper

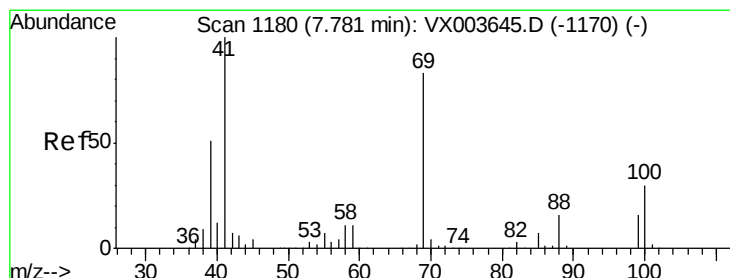
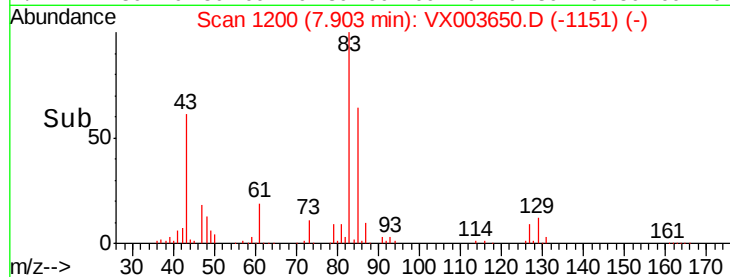
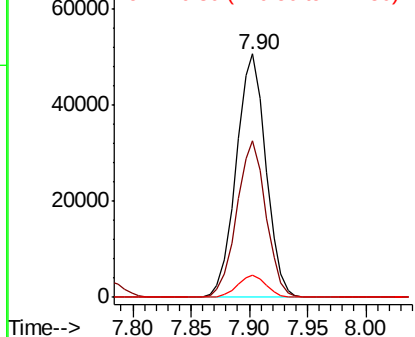
83 100

85 64.1 51.8 77.6

127 8.9 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: 50.642 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

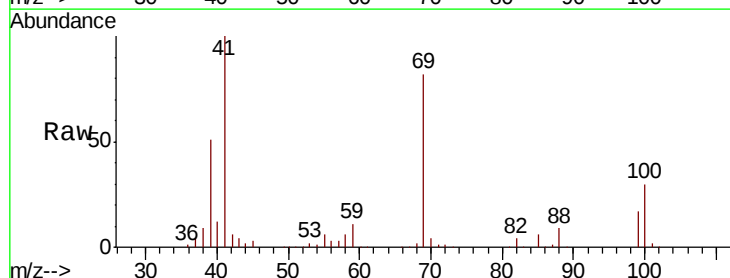
Tgt Ion: 41 Resp: 88108

Ion Ratio Lower Upper

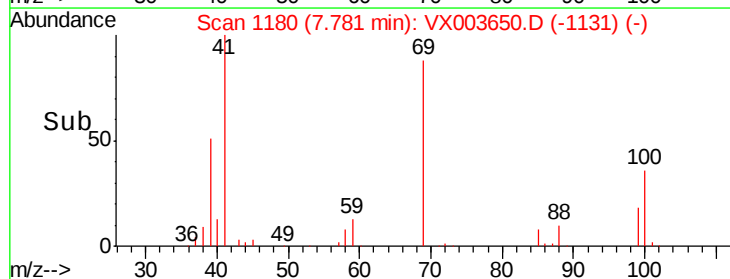
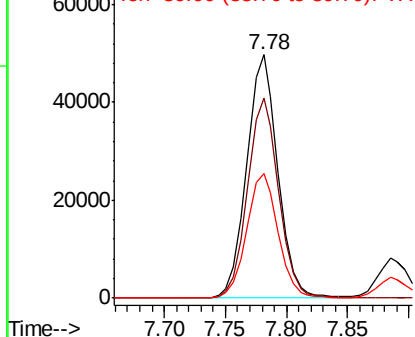
41 100

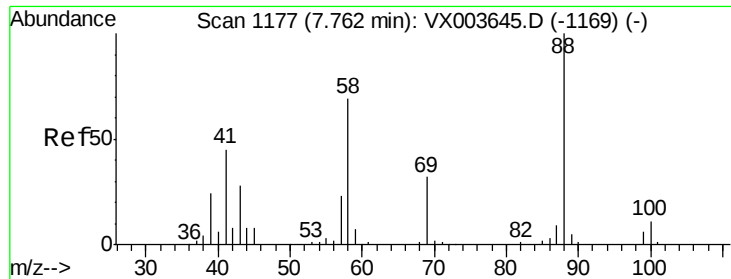
69 82.5 66.9 100.3

39 52.0 41.2 61.8



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

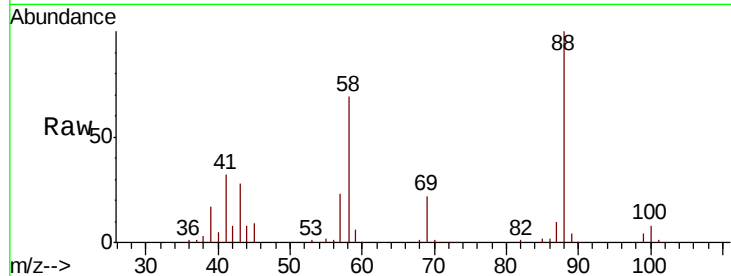




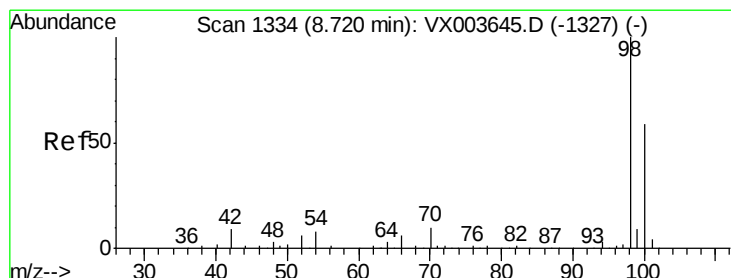
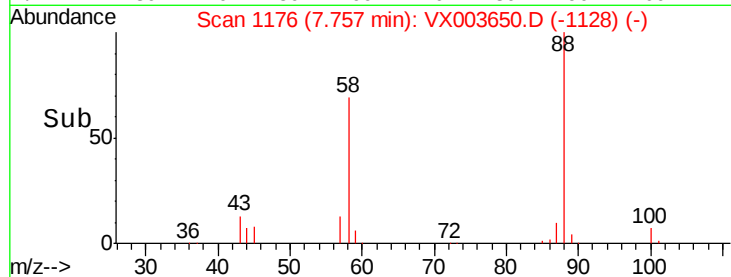
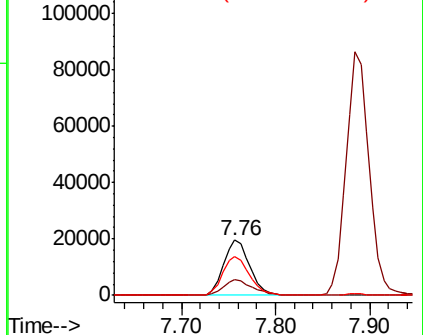
#49
1,4-Dioxane
Concen: 971.124 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 37695
Ion Ratio Lower Upper
88 100
43 32.4 25.8 38.6
58 72.6 58.3 87.5

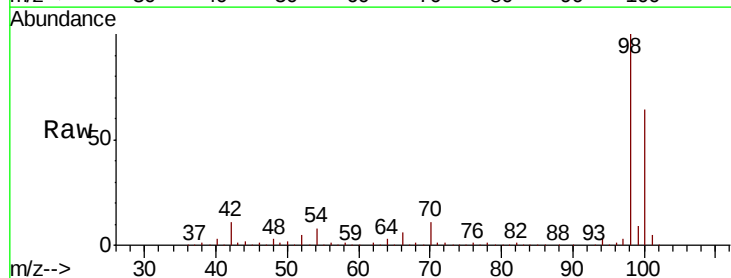


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

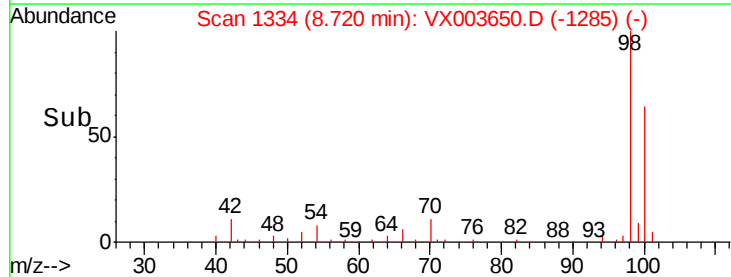
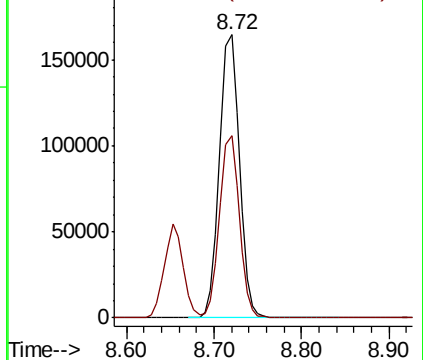


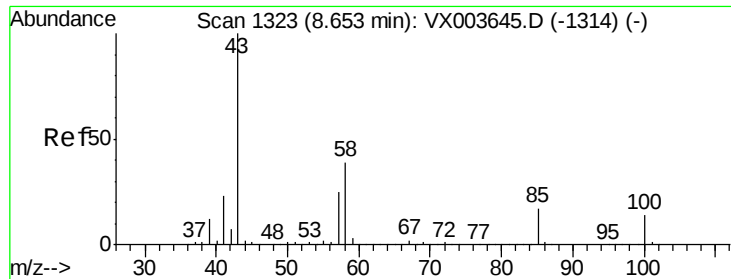
#50
Toluene-d8
Concen: 50.004 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 98 Resp: 260857
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



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

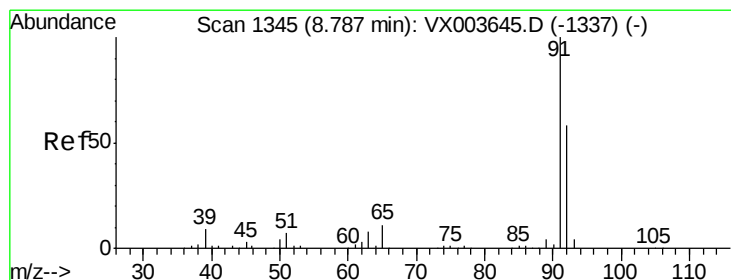
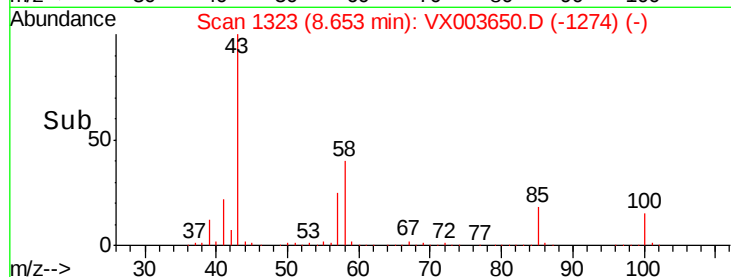
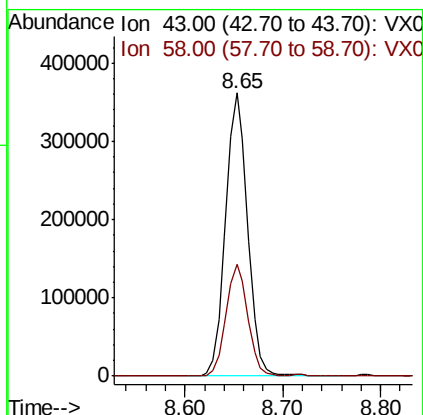
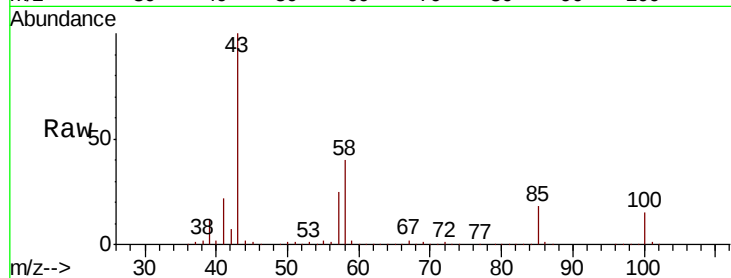




#51
 4-Methyl-2-Pentanone
 Concen: 244.096 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

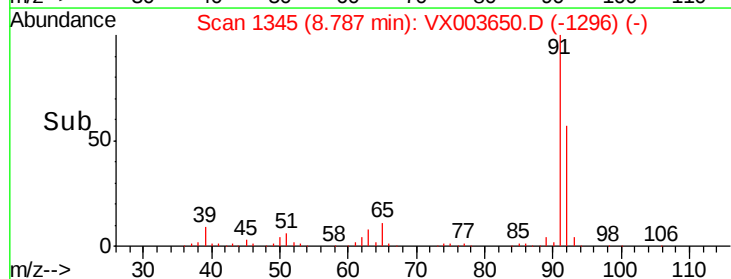
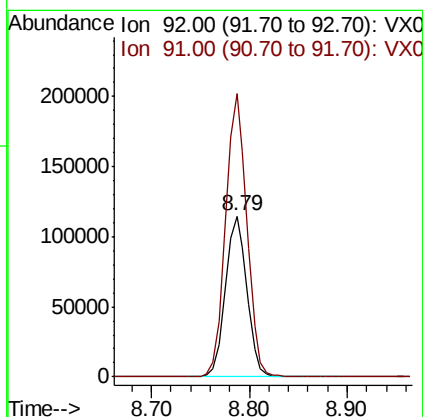
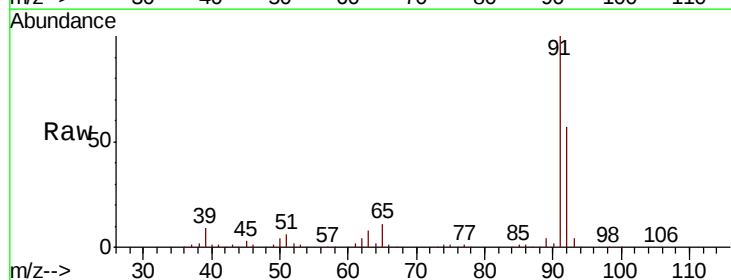
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

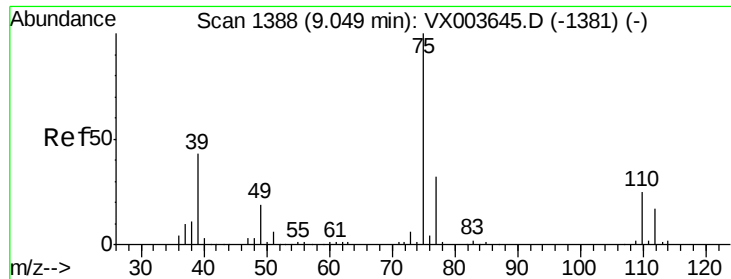
Tgt Ion: 43 Resp: 564679
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.5 47.3



#52
 Toluene
 Concen: 48.349 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 92 Resp: 173828
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.0 208.6

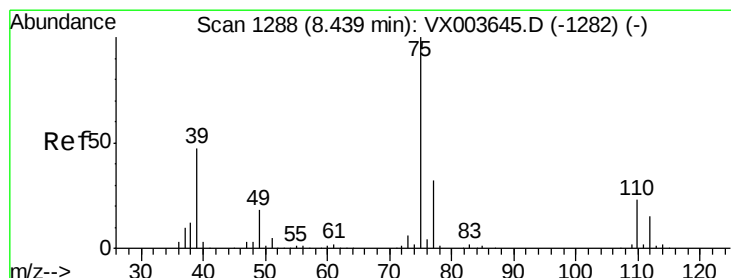
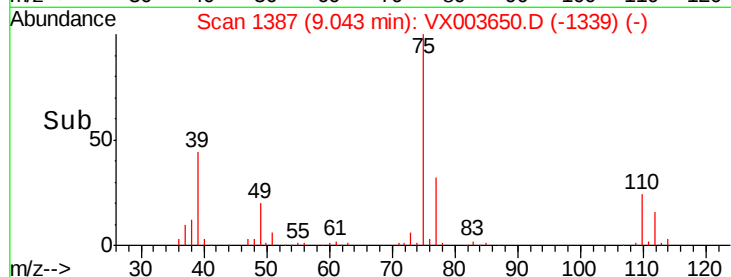
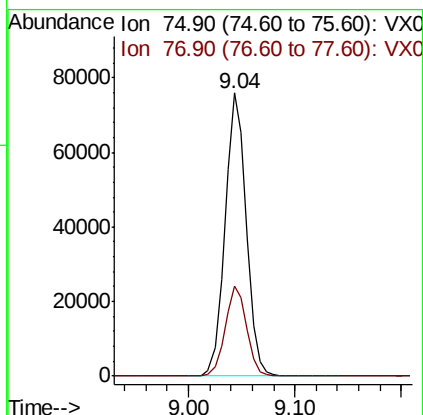
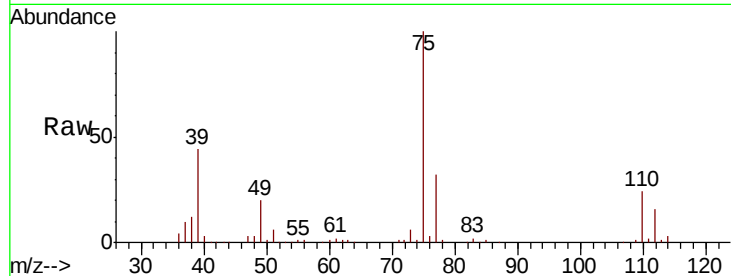




#53
 t-1,3-Dichloropropene
 Concen: 52.875 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

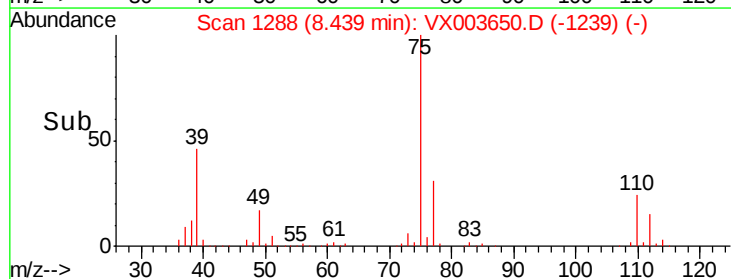
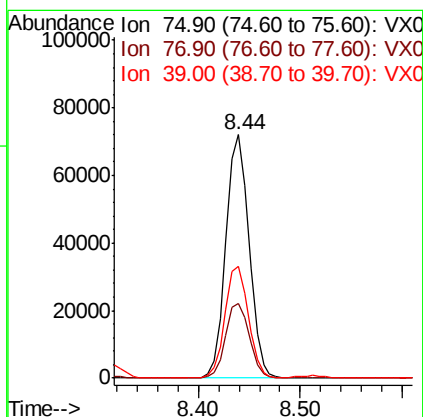
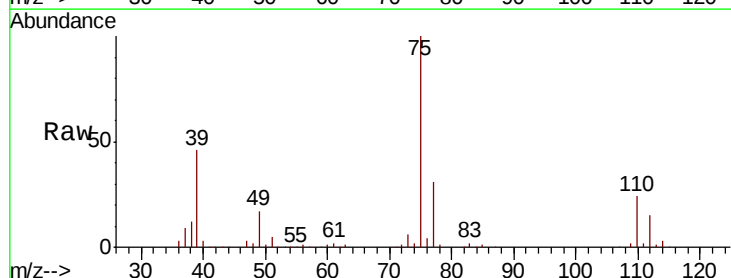
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

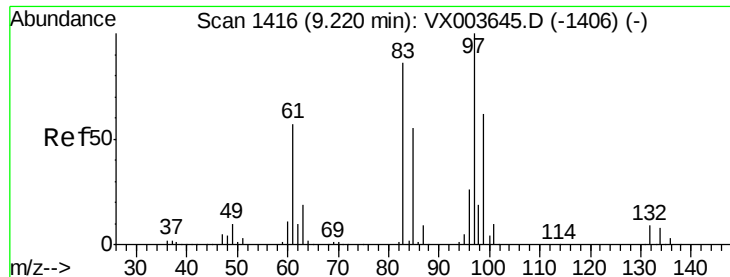
Tgt Ion: 75 Resp: 105423
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 51.601 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 75 Resp: 113214
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.2 37.8
 39 45.8 38.0 57.0

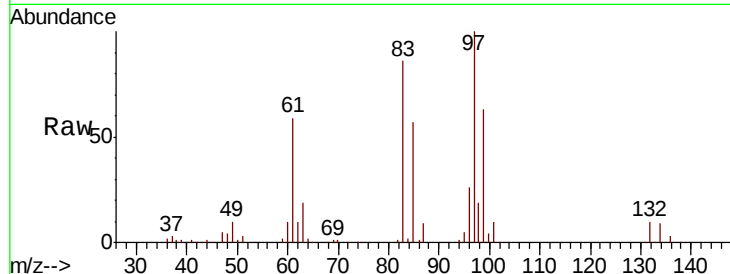




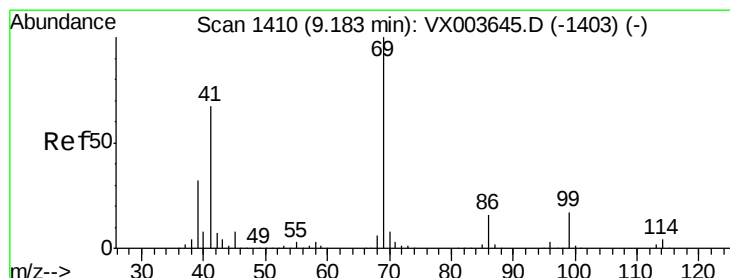
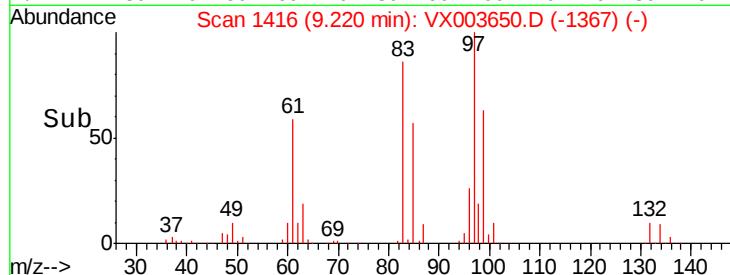
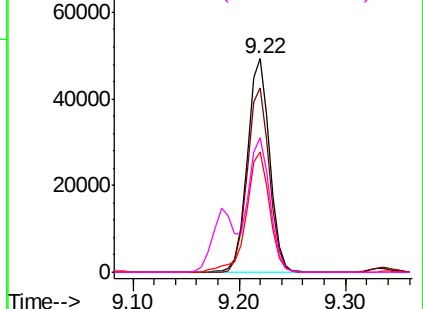
#55
 1,1,2-Trichloroethane
 Concen: 49.162 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 72249
 Ion Ratio Lower Upper
 97 100
 83 86.0 68.7 103.1
 85 56.6 43.7 65.5
 99 63.1 49.6 74.4

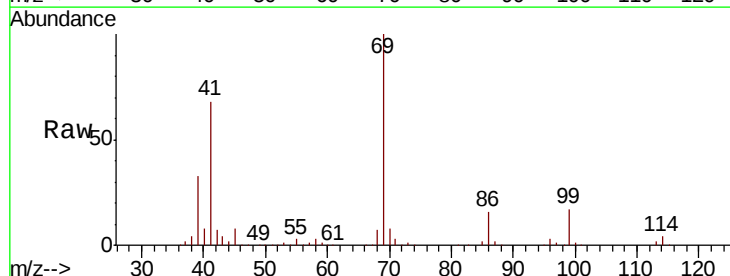


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

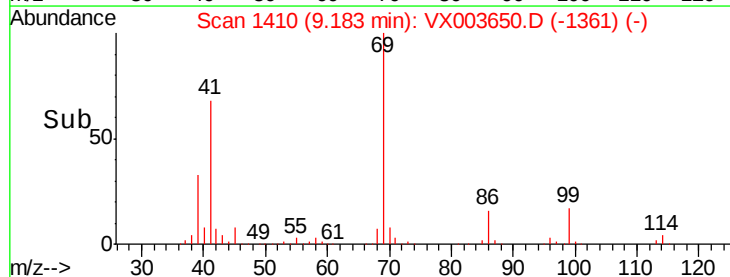
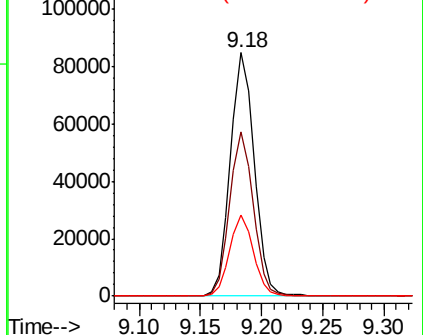


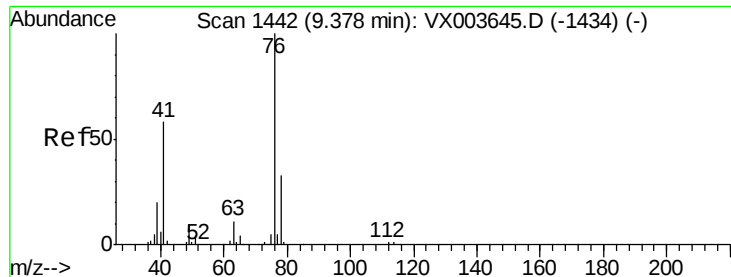
#56
 Ethyl methacrylate
 Concen: 52.538 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 69 Resp: 114899
 Ion Ratio Lower Upper
 69 100
 41 67.2 53.8 80.6
 39 33.0 25.8 38.8



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: 49.409 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

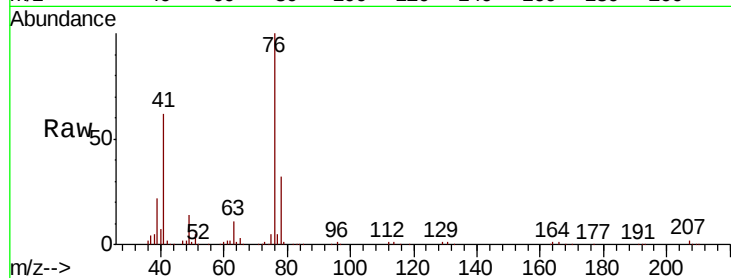
VSTDCCC050

Tgt Ion: 76 Resp: 121925

Ion Ratio Lower Upper

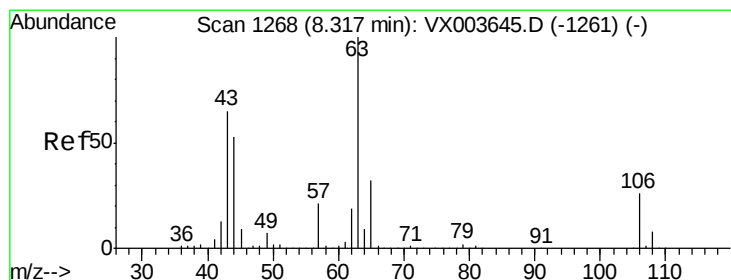
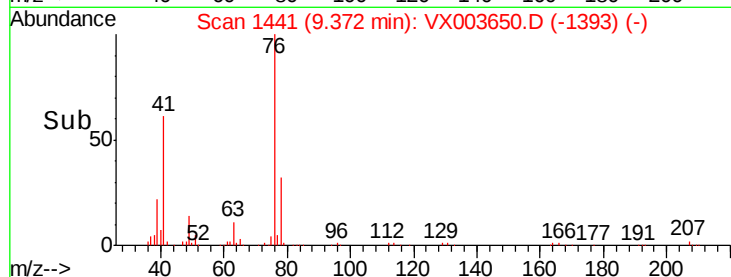
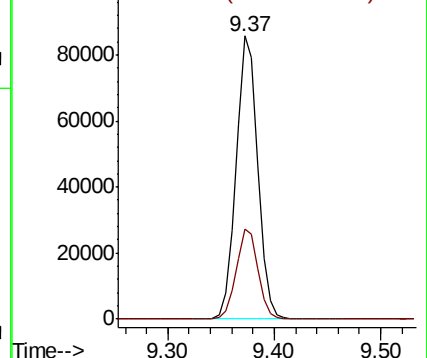
76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 262.414 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003650.D

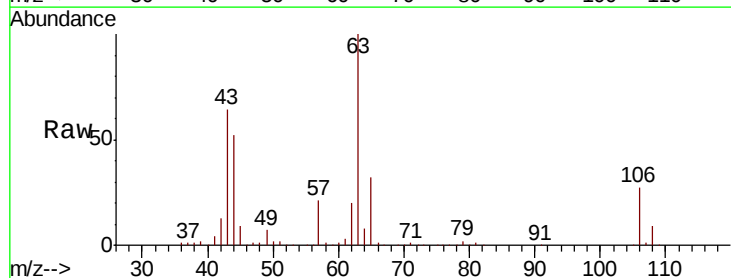
Acq: 25 Jul 2018 10:15

Tgt Ion: 63 Resp: 288390

Ion Ratio Lower Upper

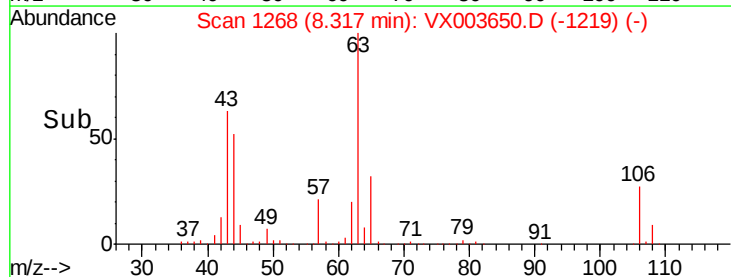
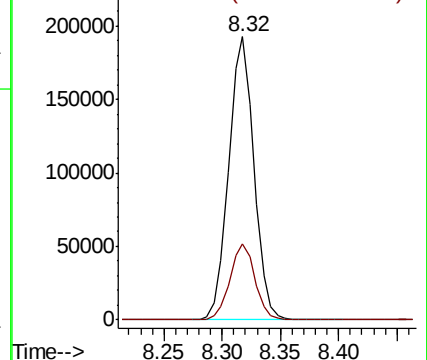
63 100

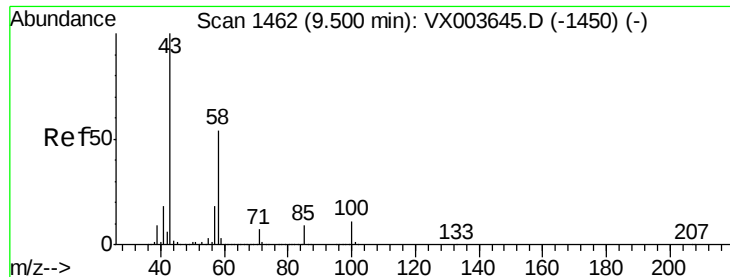
106 26.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

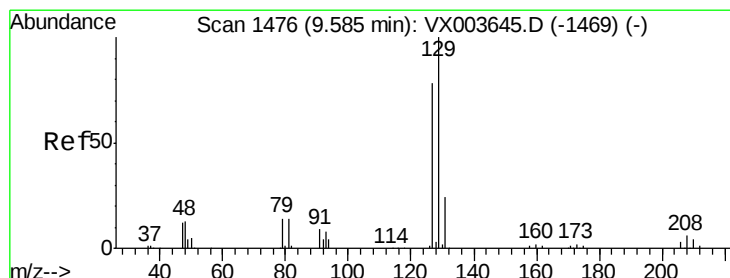
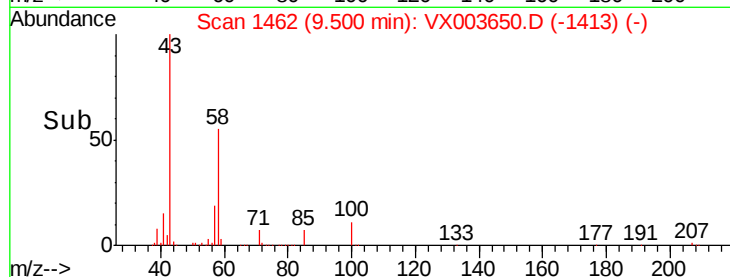
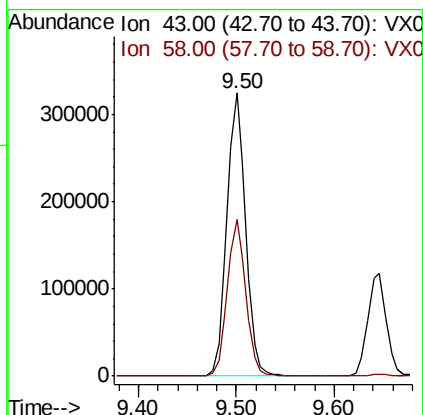
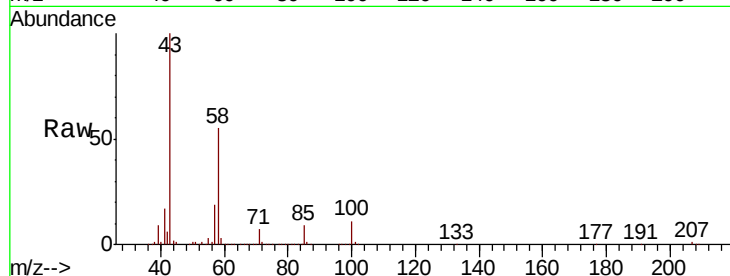




#59
2-Hexanone
Concen: 243.214 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

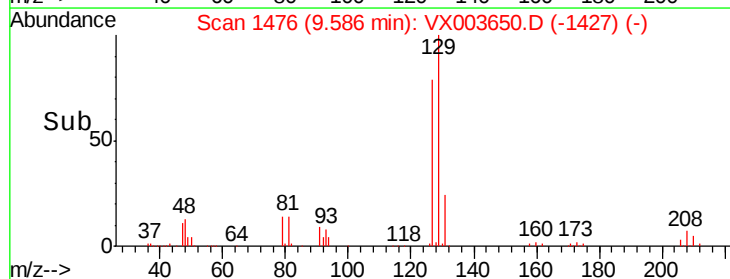
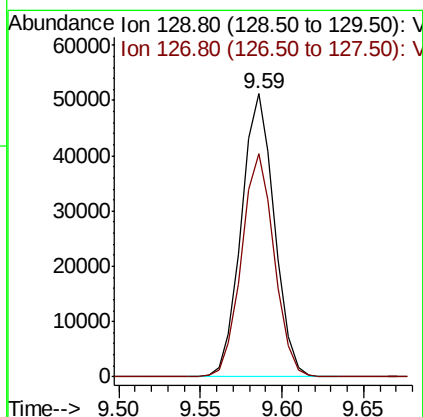
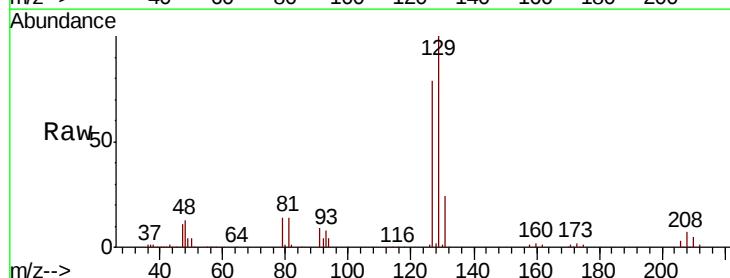
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

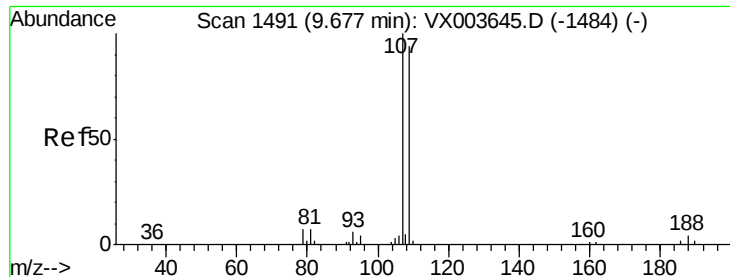
Tgt Ion: 43 Resp: 431591
Ion Ratio Lower Upper
43 100
58 54.6 27.3 81.9



#60
Dibromochloromethane
Concen: 51.813 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion: 129 Resp: 72223
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 49.204 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

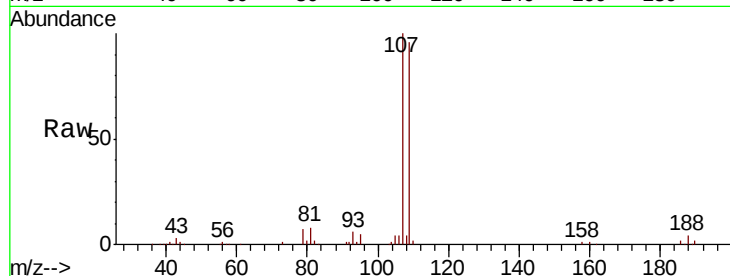
VSTDCCC050

Tgt Ion: 107 Resp: 75296

Ion Ratio Lower Upper

107 100

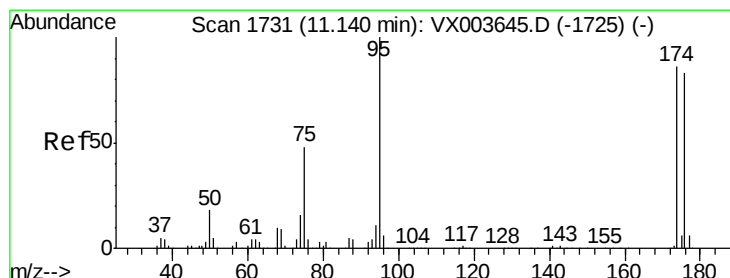
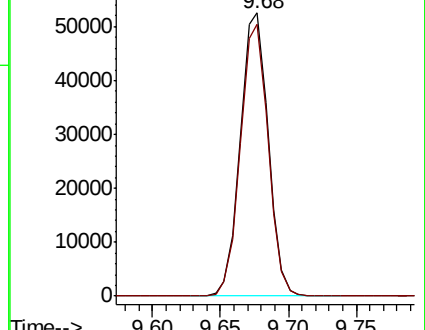
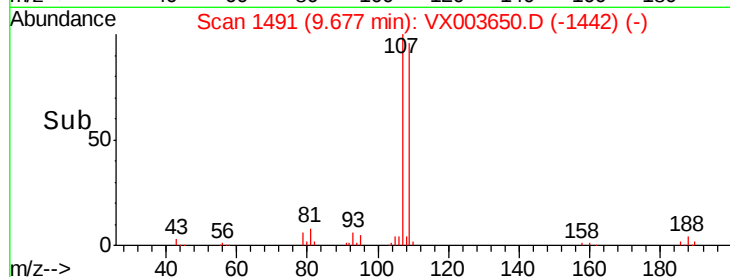
109 95.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68



#62

4-Bromofluorobenzene

Concen: 51.157 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

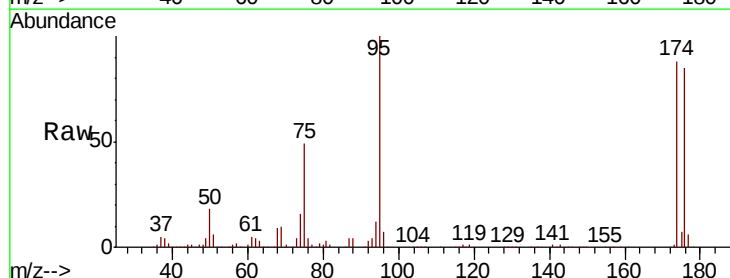
Tgt Ion: 95 Resp: 97339

Ion Ratio Lower Upper

95 100

174 88.7 0.0 179.0

176 86.1 0.0 173.0

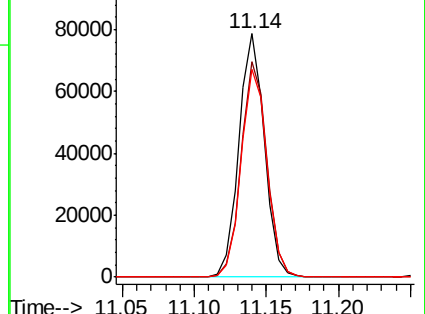
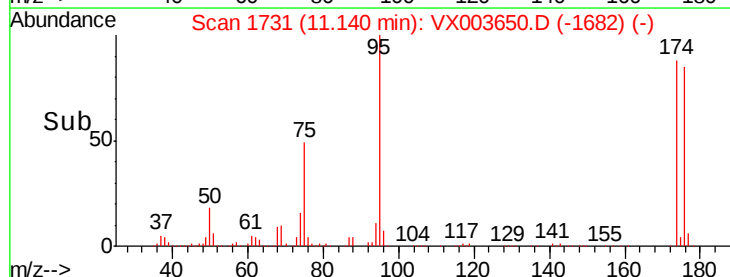


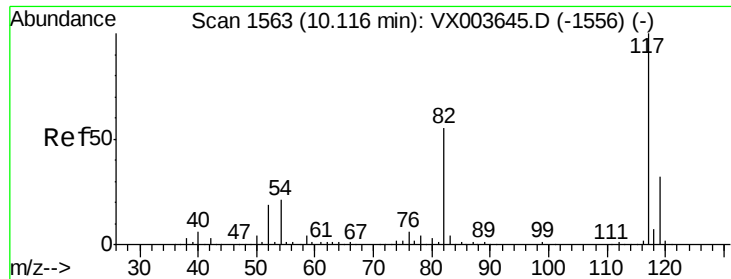
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

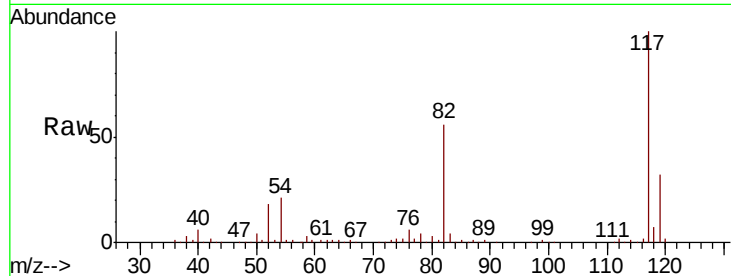




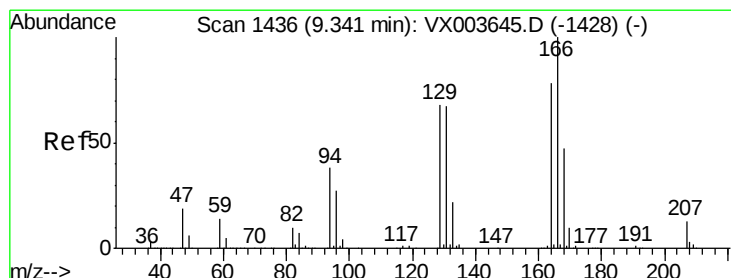
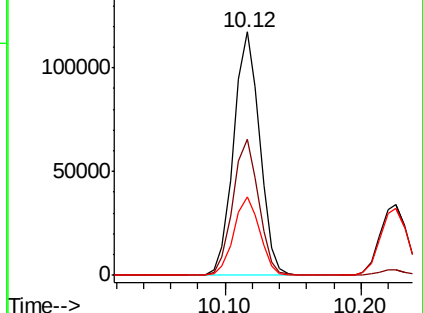
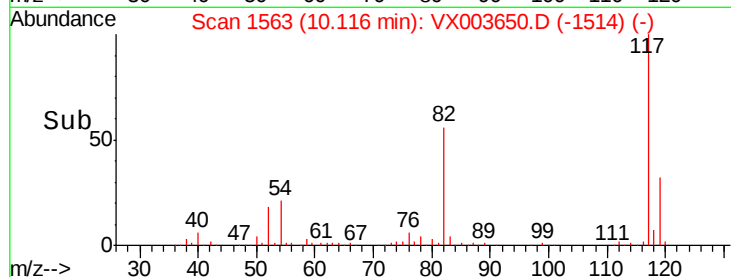
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 156345
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.1 25.6 38.4

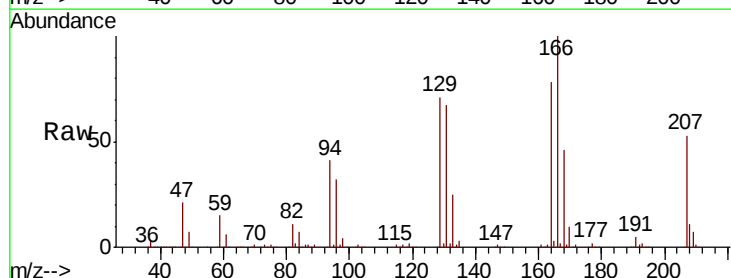


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

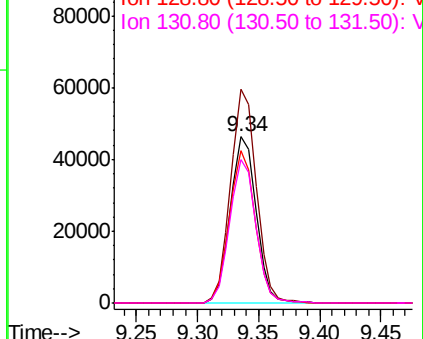
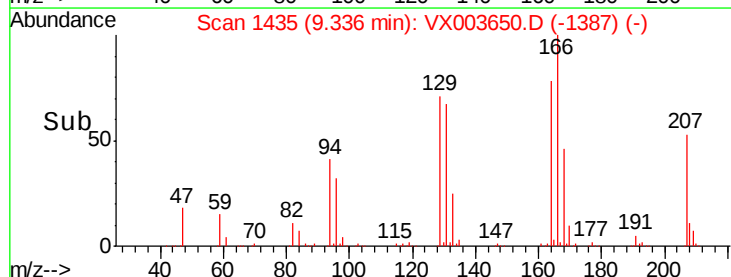


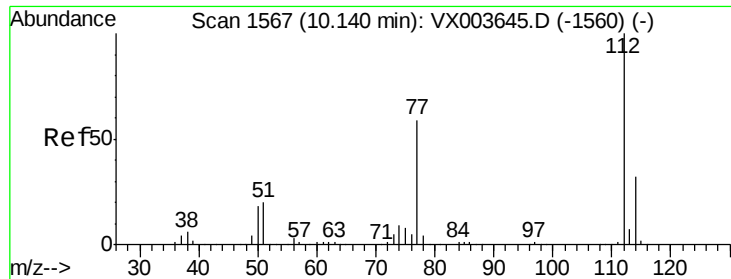
#64
Tetrachloroethene
Concen: 47.643 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion:164 Resp: 68101
Ion Ratio Lower Upper
164 100
166 128.8 102.4 153.6
129 92.0 69.6 104.4
131 86.7 69.0 103.4



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

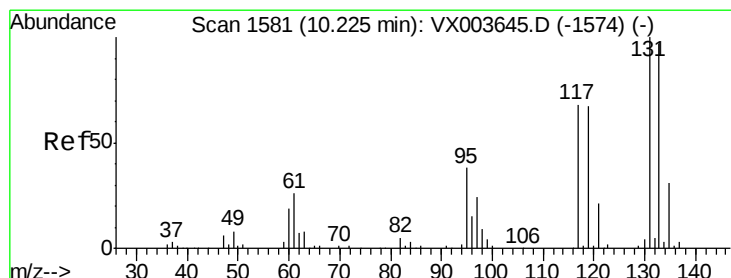
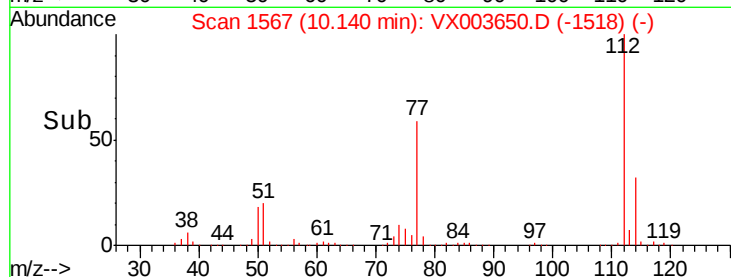
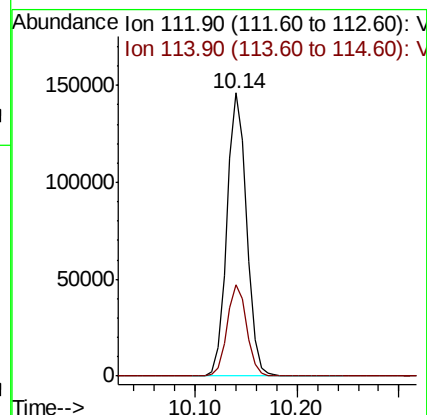
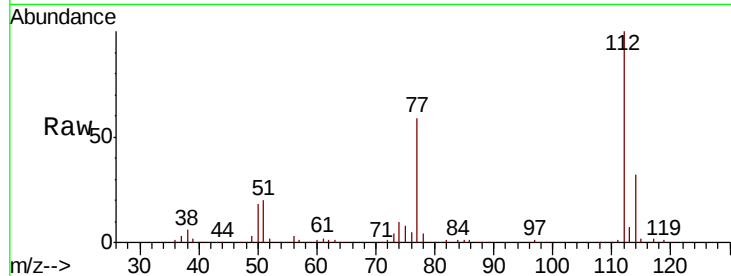




#65
Chlorobenzene
Concen: 49.708 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

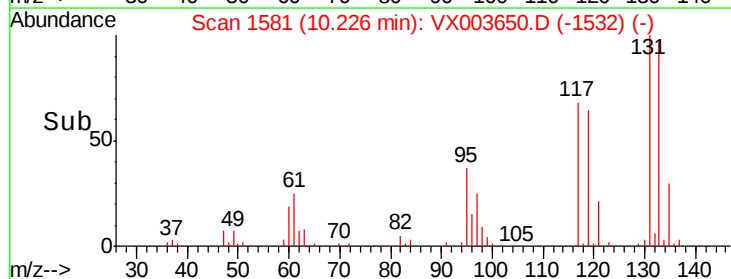
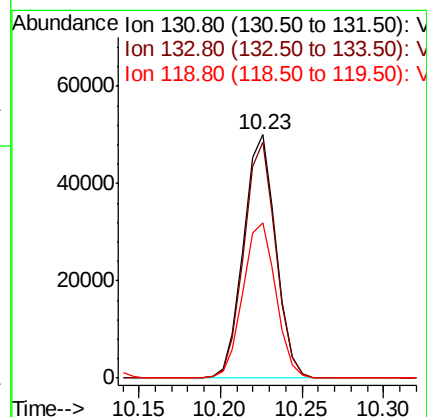
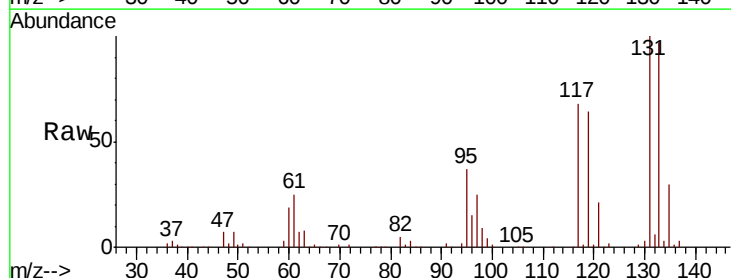
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

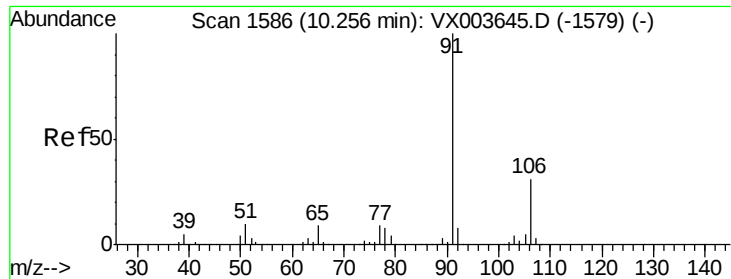
Tgt Ion:112 Resp: 195586
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.578 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion:131 Resp: 69186
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.8
119 64.9 32.8 98.4





#67

Ethyl Benzene

Concen: 51.029 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

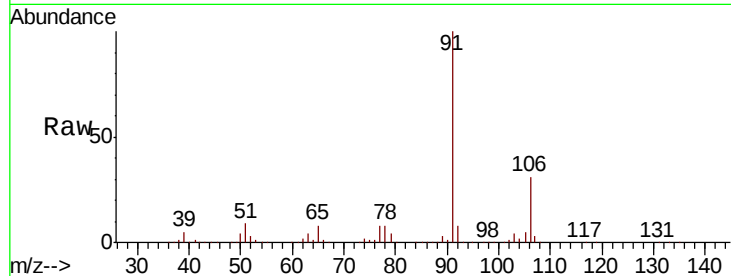
VSTDCCC050

Tgt Ion: 91 Resp: 336092

Ion Ratio Lower Upper

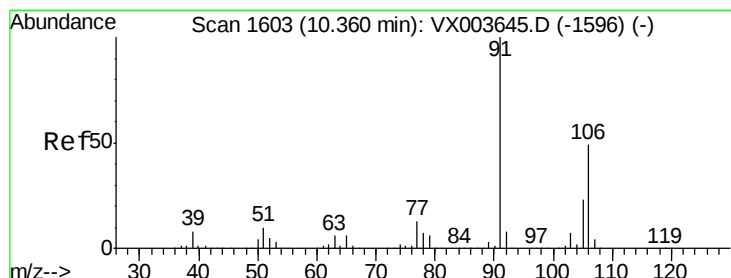
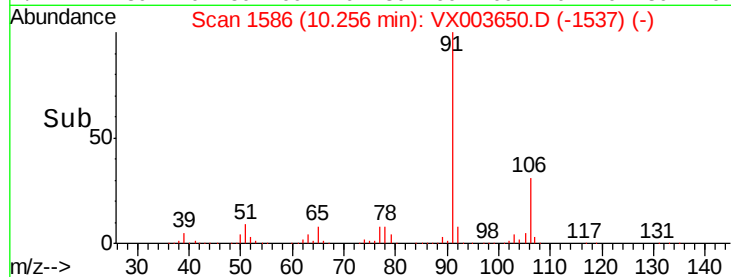
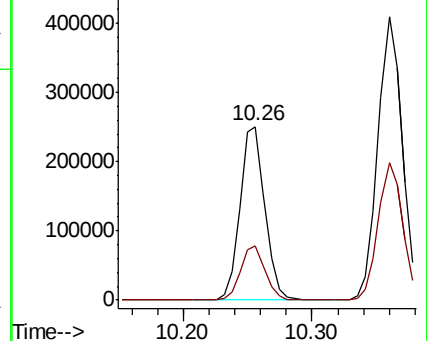
91 100

106 31.3 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.404 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003650.D

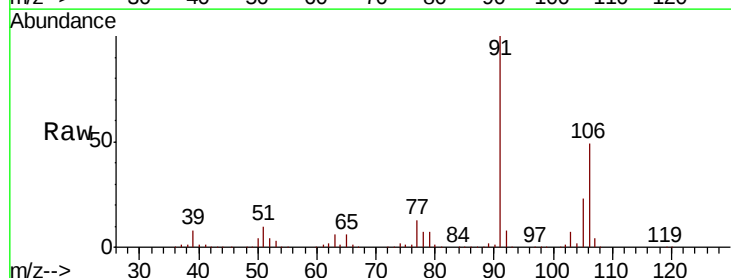
Acq: 25 Jul 2018 10:15

Tgt Ion: 106 Resp: 261271

Ion Ratio Lower Upper

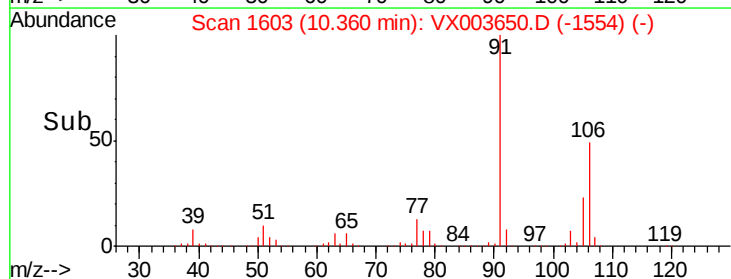
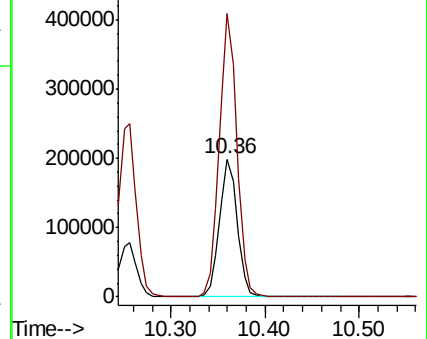
106 100

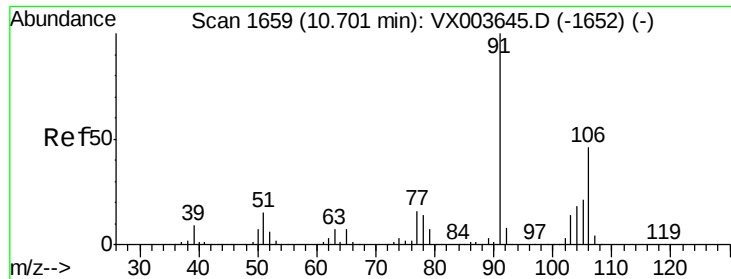
91 203.6 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

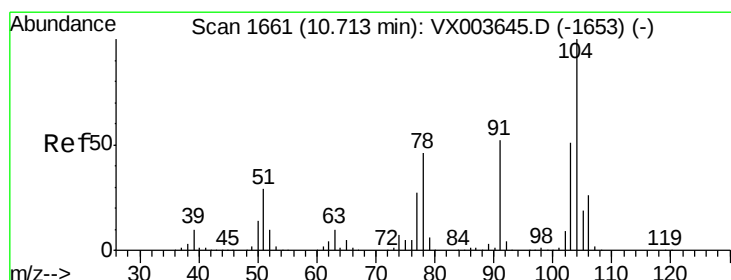
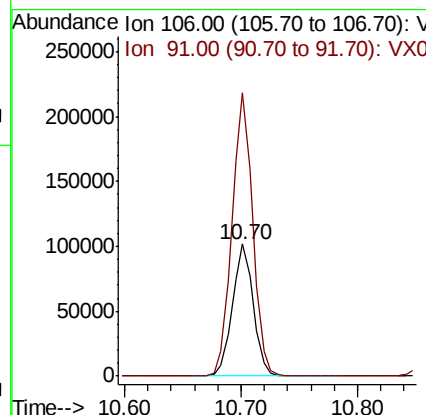
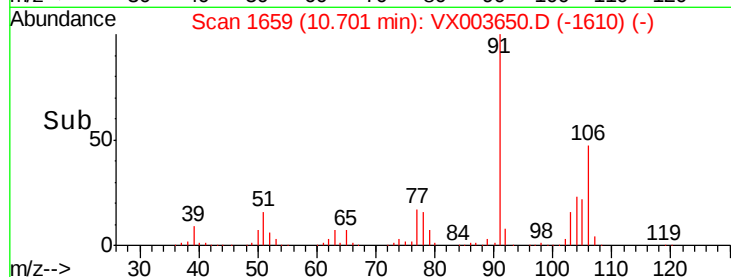
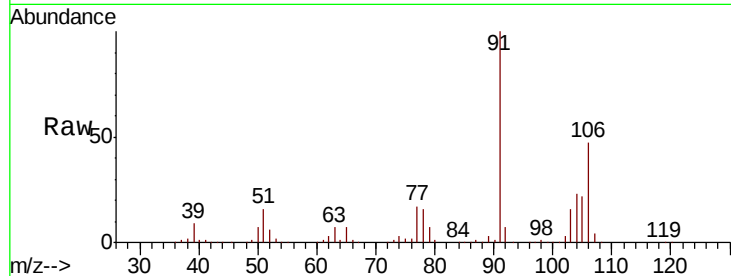




#69
o-Xylene
Concen: 51.800 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

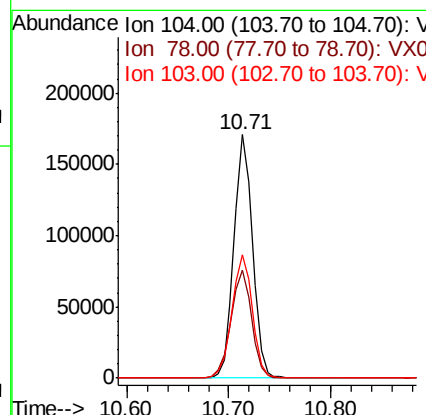
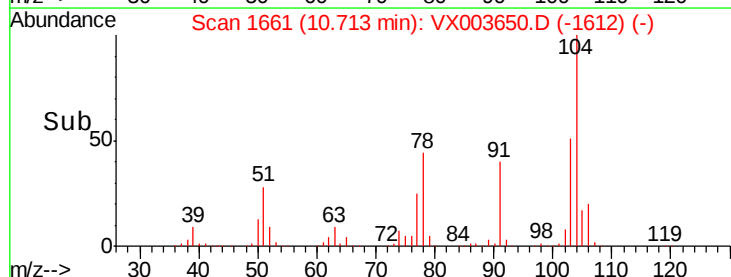
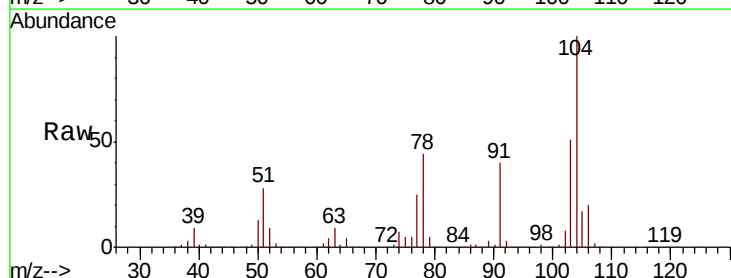
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 126001
Ion Ratio Lower Upper
106 100
91 213.9 107.1 321.1



#70
Styrene
Concen: 52.605 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003650.D
Acq: 25 Jul 2018 10:15

Tgt Ion:104 Resp: 214944
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 55.5 44.2 66.4





#71

Bromoform

Concen: 52.059 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

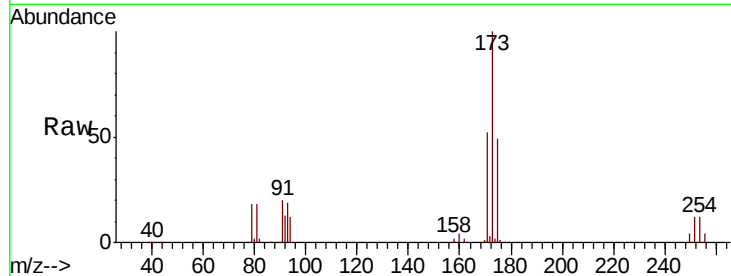
Tgt Ion:173 Resp: 56311

Ion Ratio Lower Upper

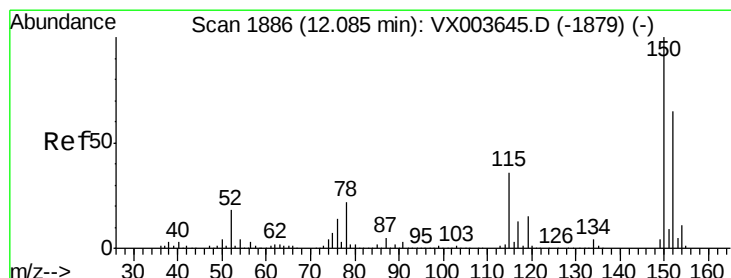
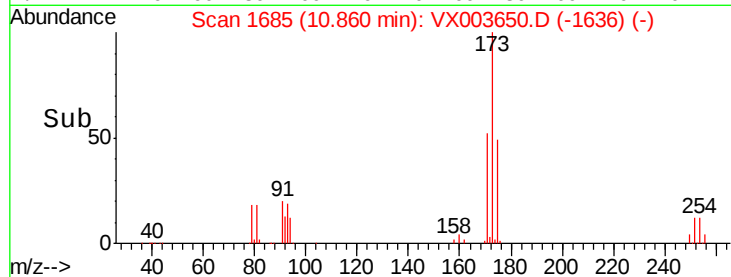
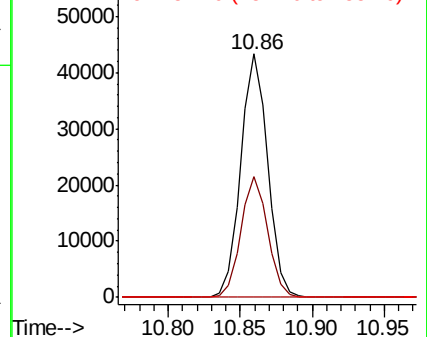
173 100

175 49.3 24.1 72.2

254 0.1 0.0 0.0#



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# 1885

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

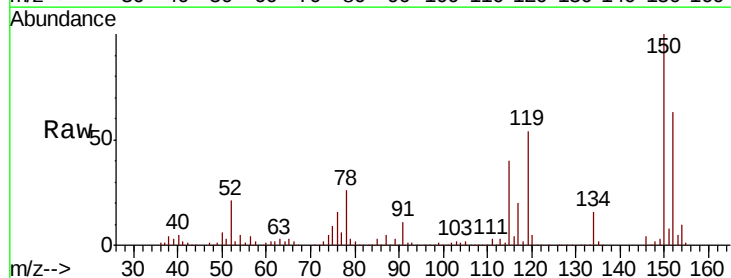
Tgt Ion:152 Resp: 97885

Ion Ratio Lower Upper

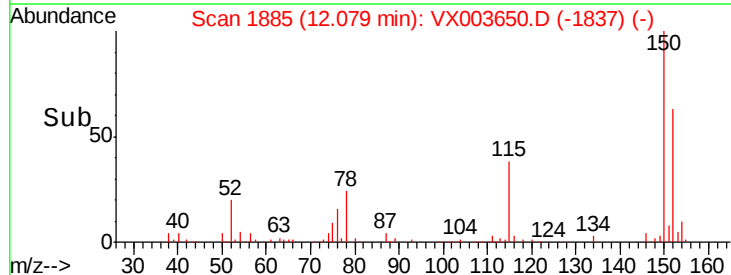
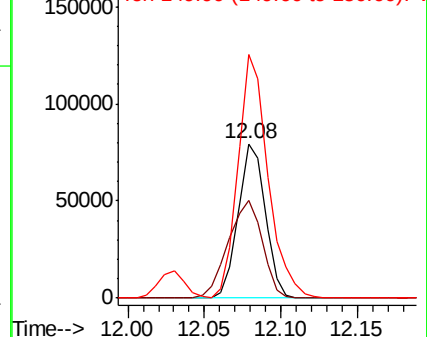
152 100

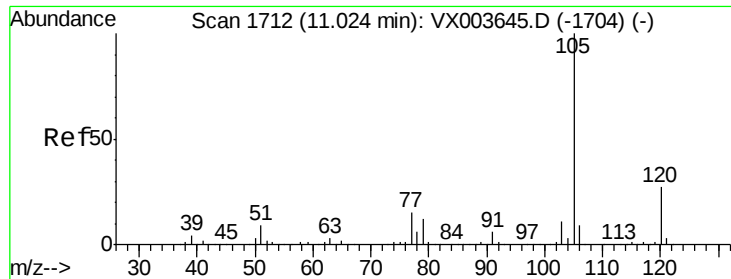
115 79.7 40.0 119.9

150 173.5 0.0 348.4



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





#73

Isopropylbenzene

Concen: 50.477 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

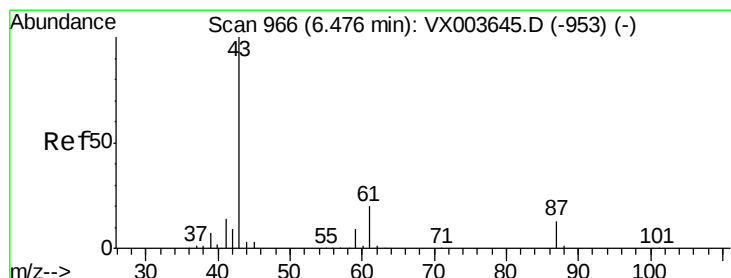
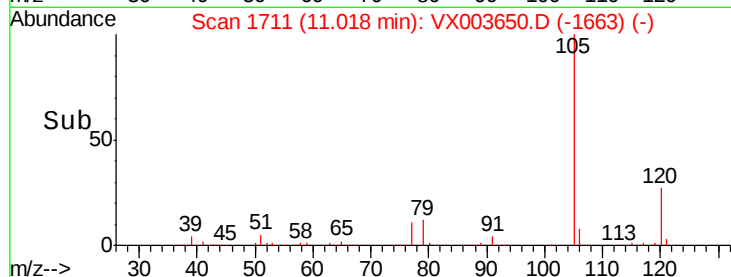
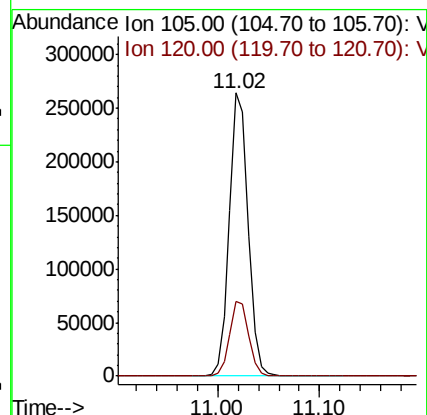
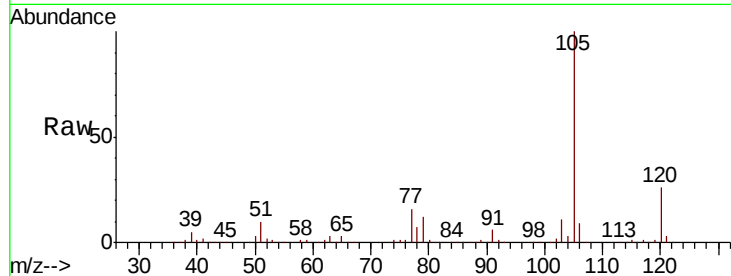
VSTDCCC050

Tgt Ion: 105 Resp: 337580

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 48.459 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Tgt Ion: 43 Resp: 169026

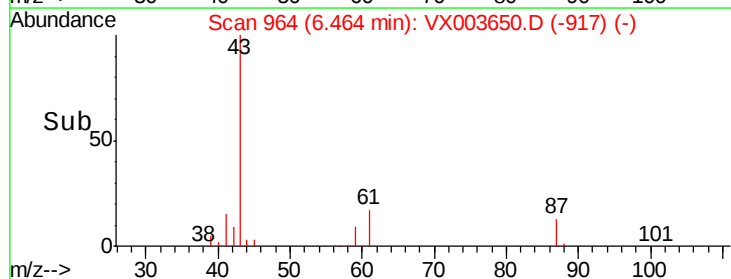
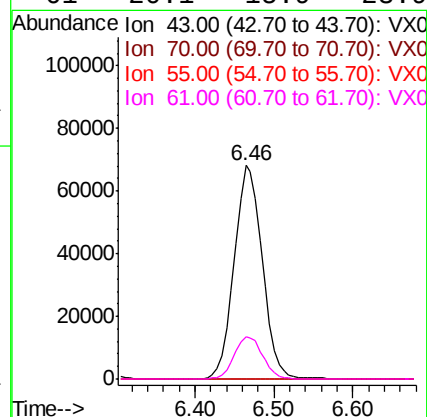
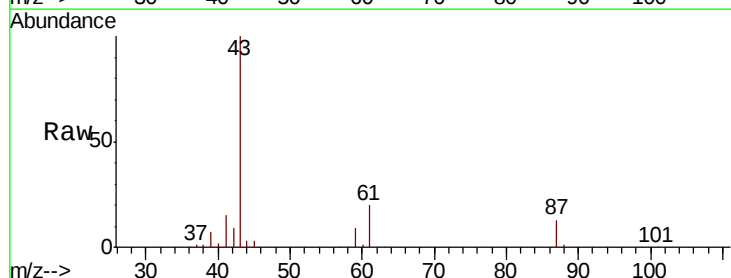
Ion Ratio Lower Upper

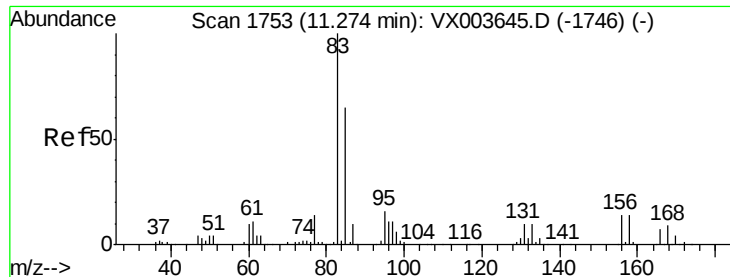
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.1 15.9 23.9

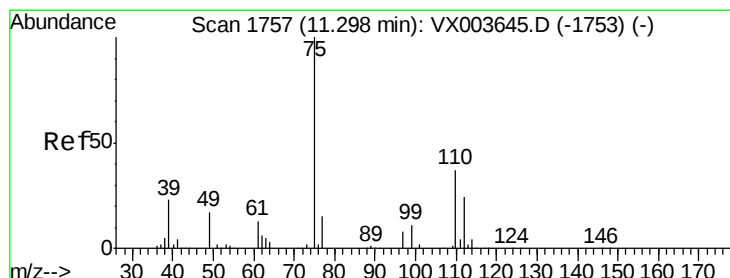
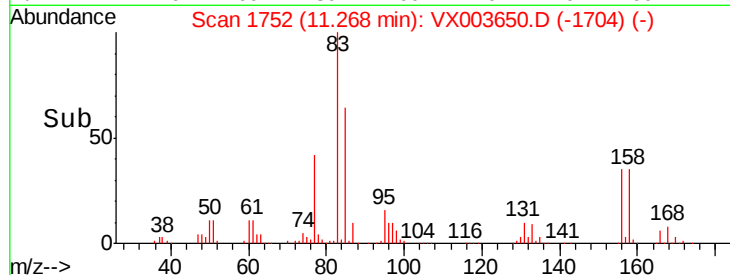
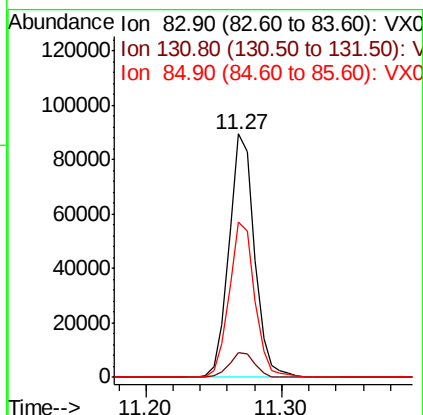
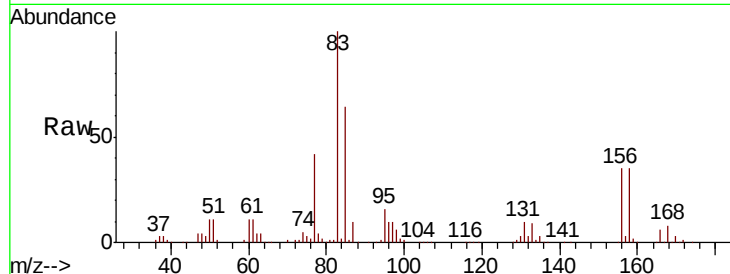




#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.122 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

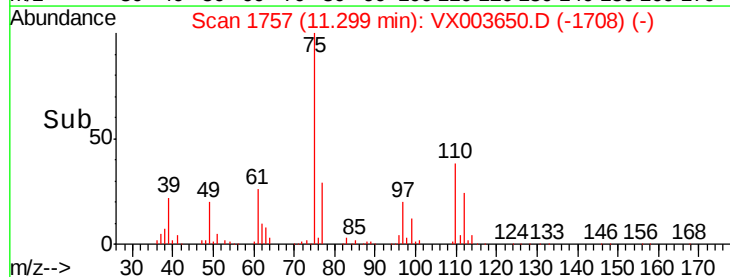
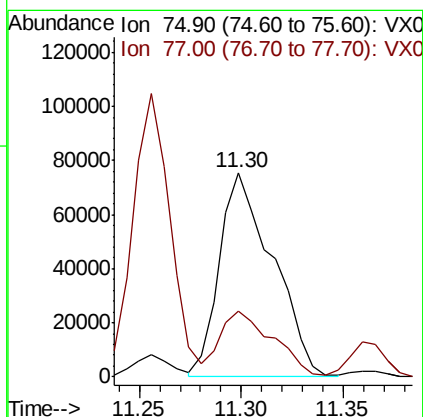
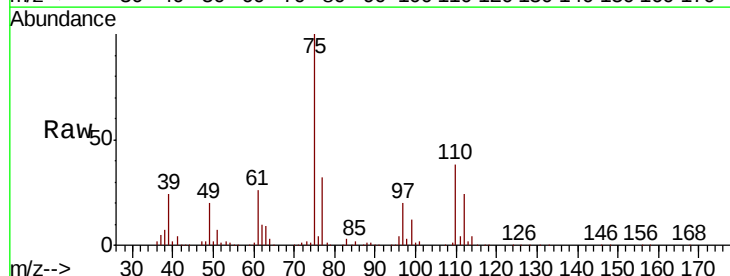
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

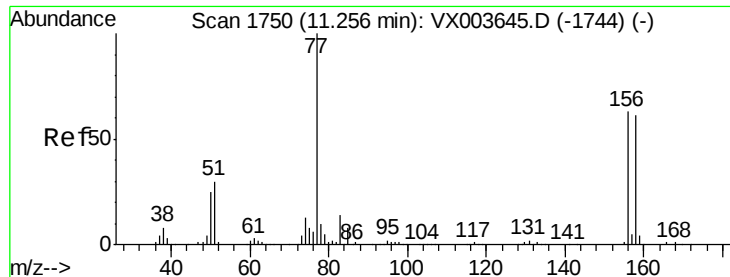
Tgt Ion: 83 Resp: 116377
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.1 15.4
 85 64.3 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 66.684 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 75 Resp: 136910
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 64.6





#77

Bromobenzene

Concen: 49.103 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

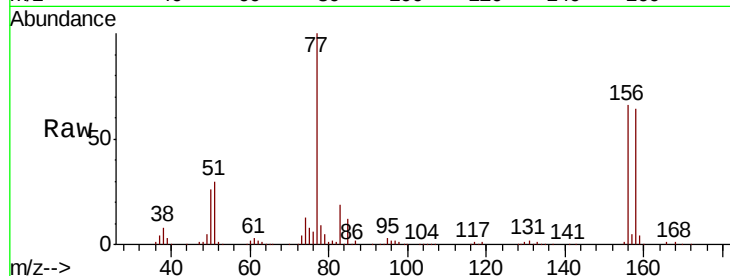
Tgt Ion:156 Resp: 89192

Ion Ratio Lower Upper

156 100

77 149.3 74.9 224.6

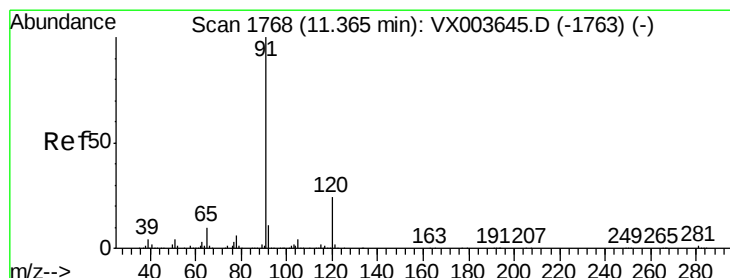
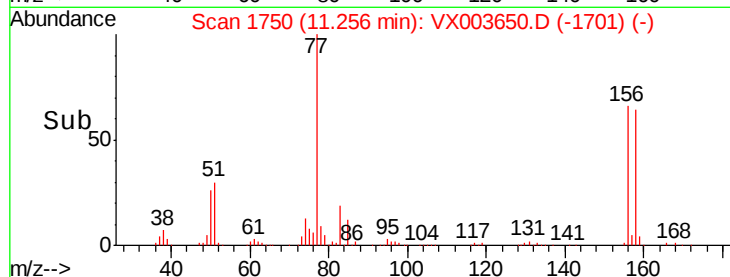
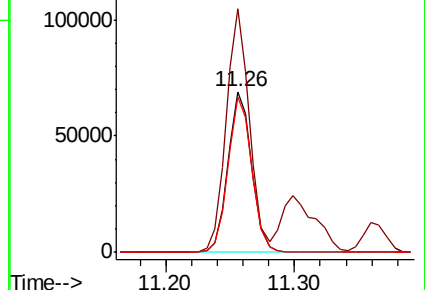
158 97.1 48.4 145.2



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: 51.623 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003650.D

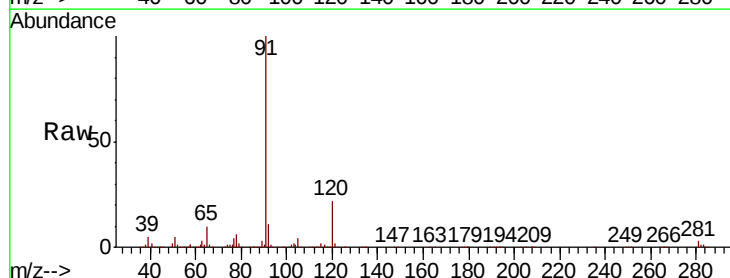
Acq: 25 Jul 2018 10:15

Tgt Ion: 91 Resp: 398650

Ion Ratio Lower Upper

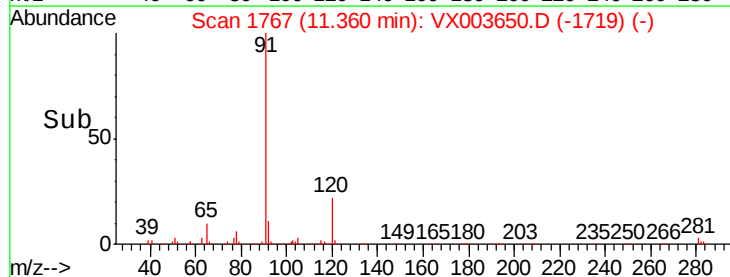
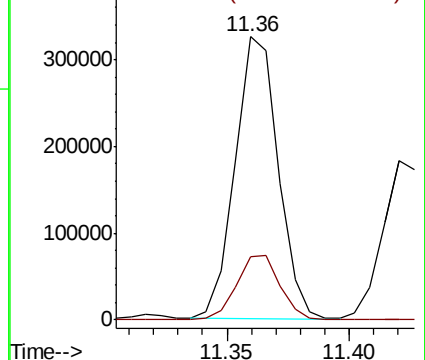
91 100

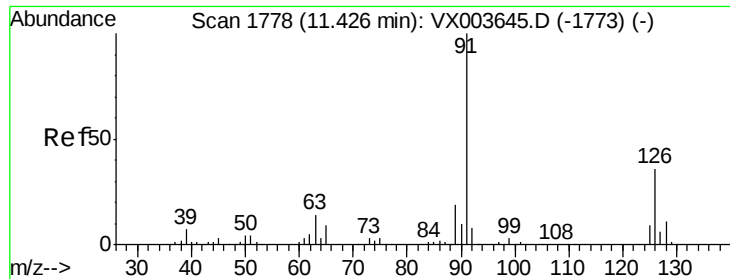
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

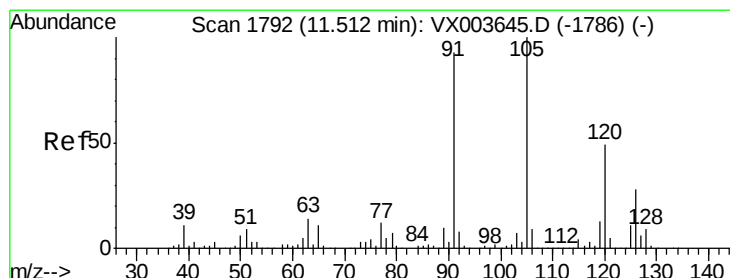
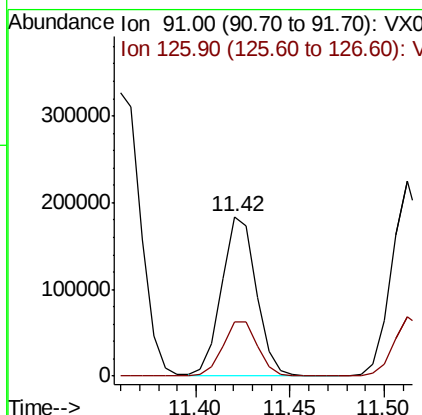
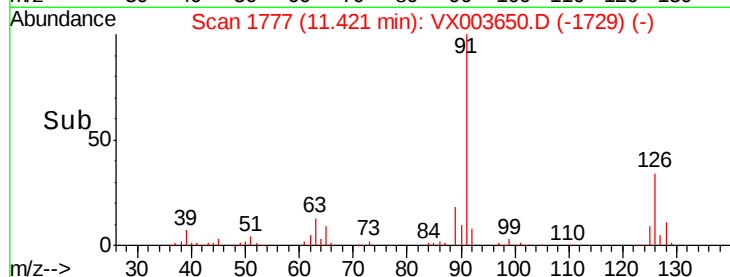
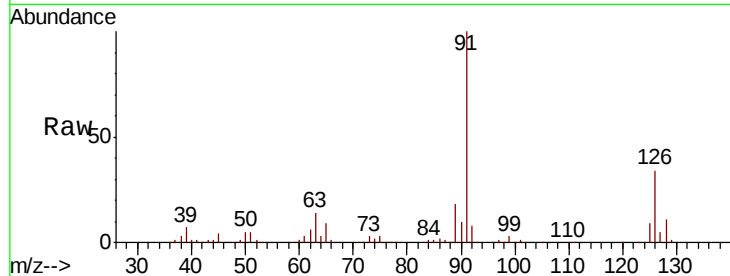




#79
 2-Chlorotoluene
 Concen: 49.535 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

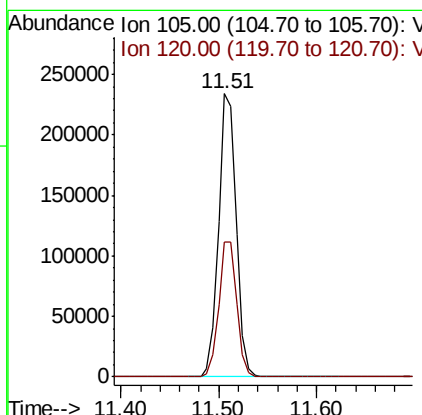
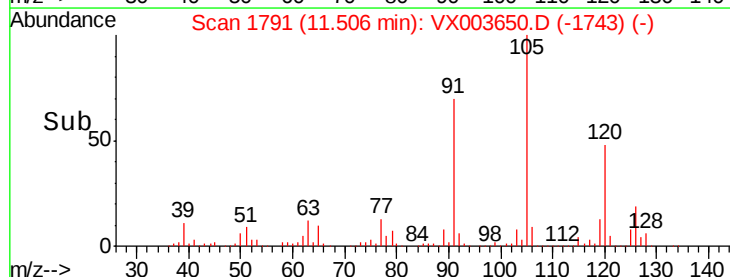
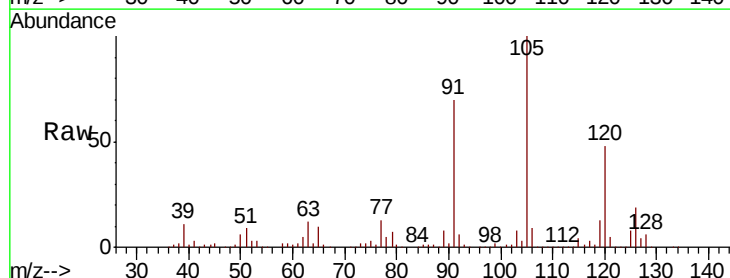
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

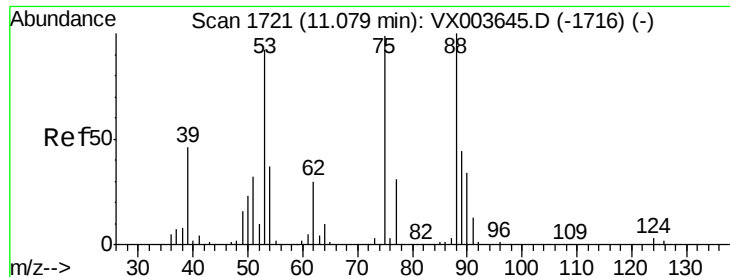
Tgt Ion: 91 Resp: 232500
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 51.468 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 105 Resp: 291212
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.577 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

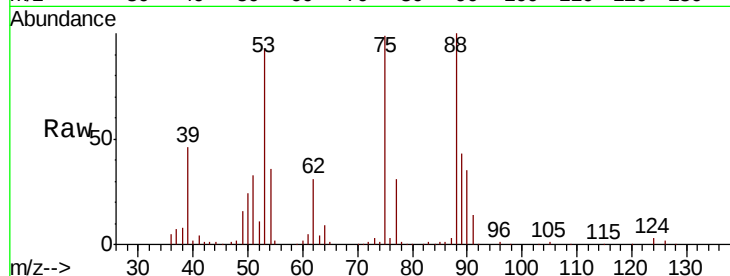
Tgt Ion: 75 Resp: 36166

Ion Ratio Lower Upper

75 100

53 98.7 77.8 116.8

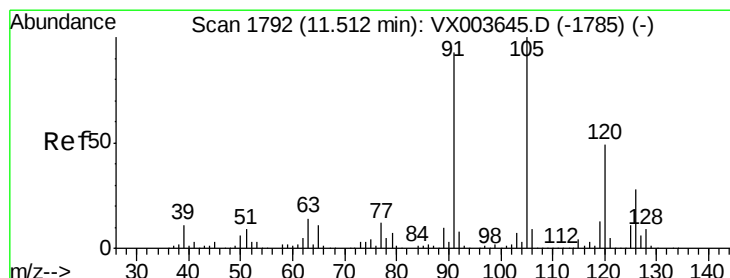
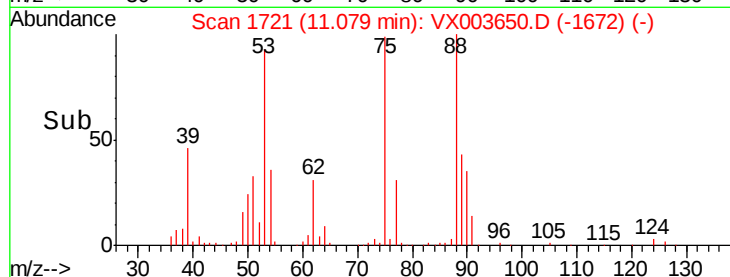
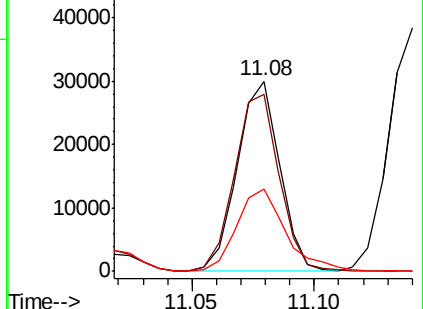
89 50.1 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.286 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003650.D

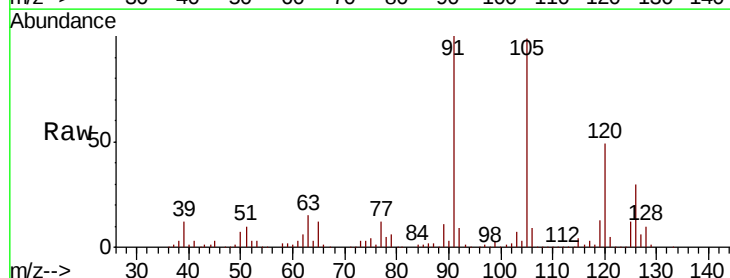
Acq: 25 Jul 2018 10:15

Tgt Ion: 91 Resp: 278027

Ion Ratio Lower Upper

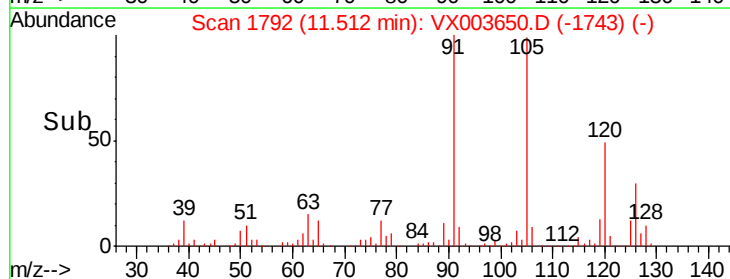
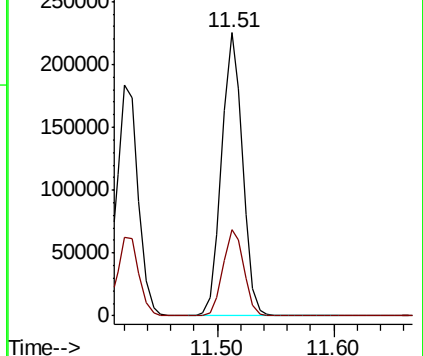
91 100

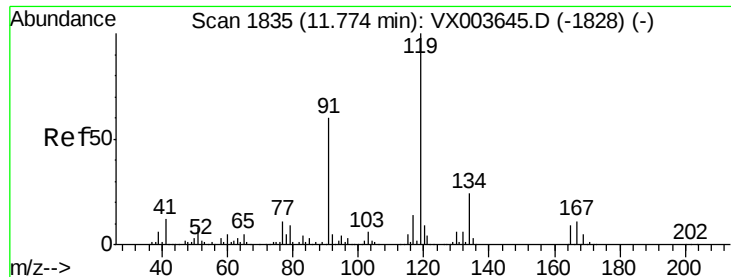
126 30.7 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

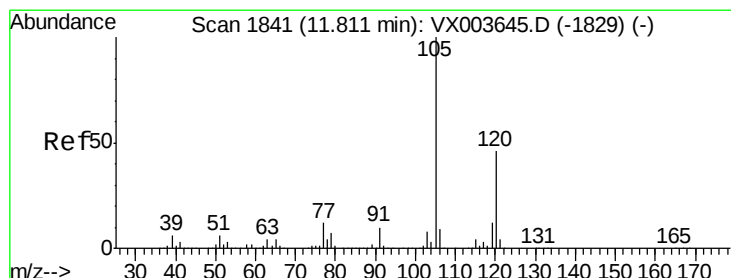
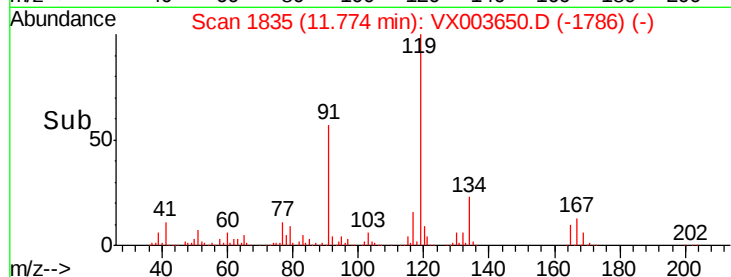
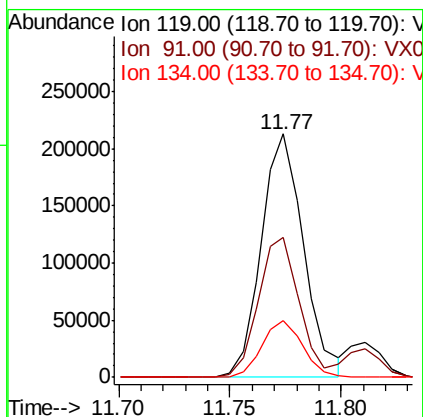
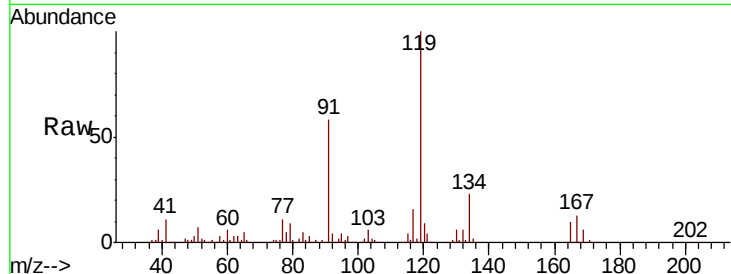




#83
 tert-Butylbenzene
 Concen: 50.889 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

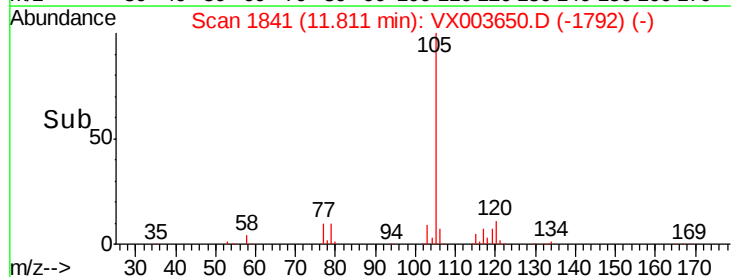
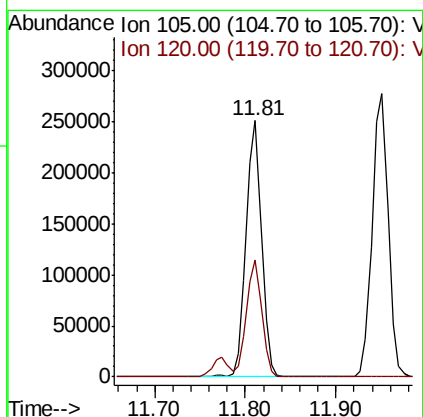
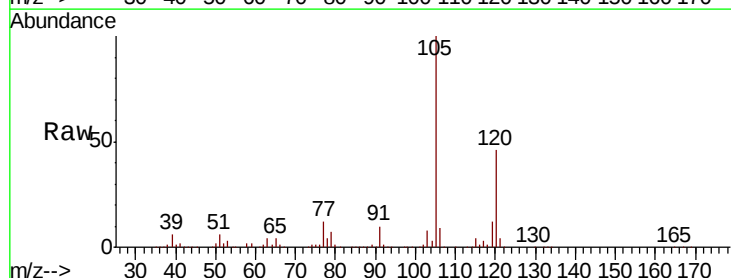
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

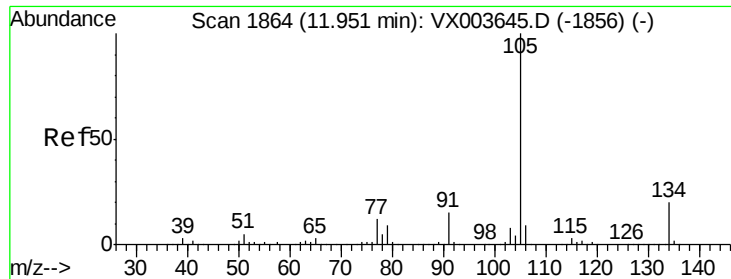
Tgt Ion:119 Resp: 281754
 Ion Ratio Lower Upper
 119 100
 91 55.1 28.4 85.2
 134 22.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.720 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion:105 Resp: 300763
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8

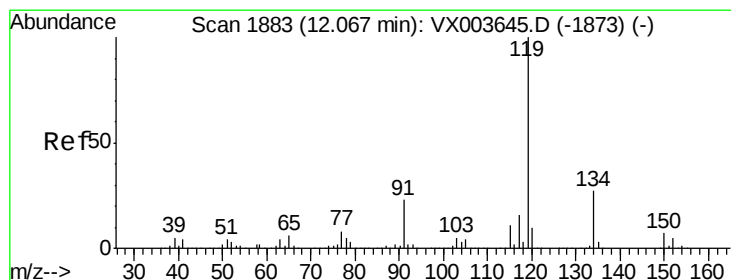
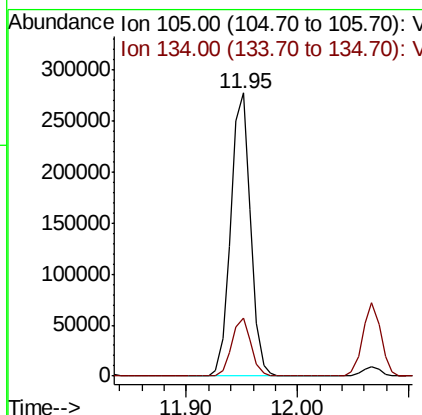
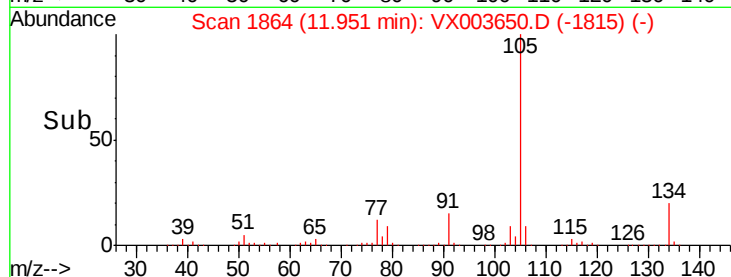
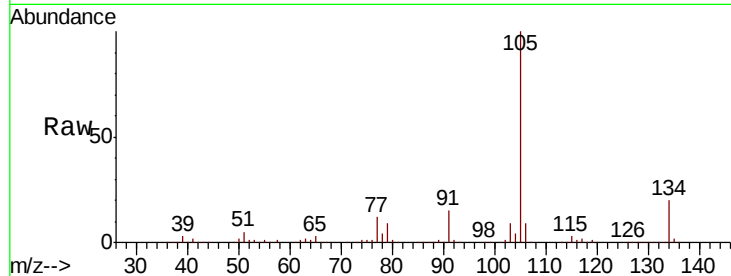




#85
 sec-Butylbenzene
 Concen: 51.456 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

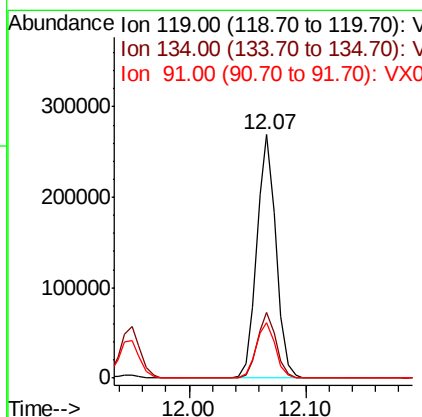
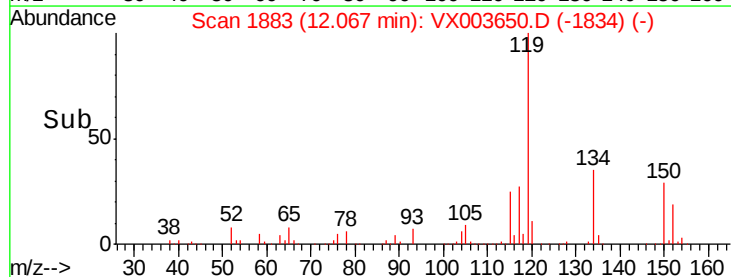
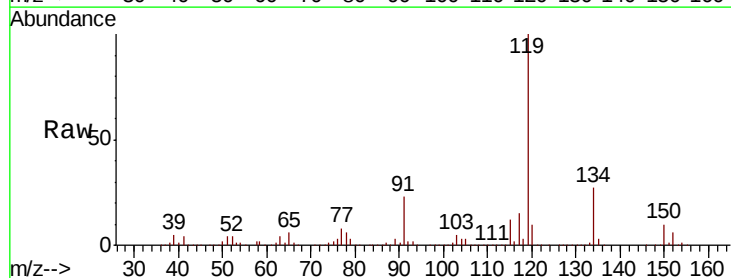
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

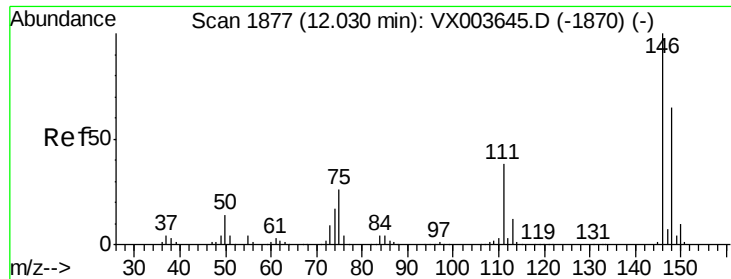
Tgt Ion:105 Resp: 340037
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 51.815 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion:119 Resp: 307326
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 23.1 11.5 34.5

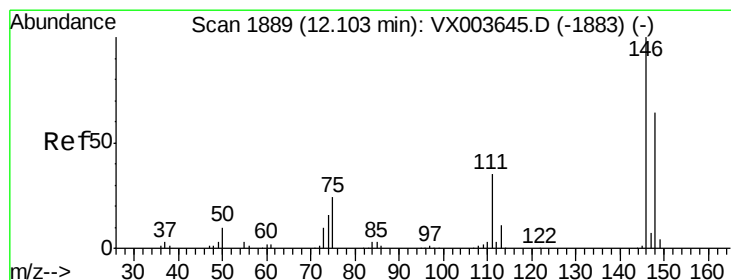
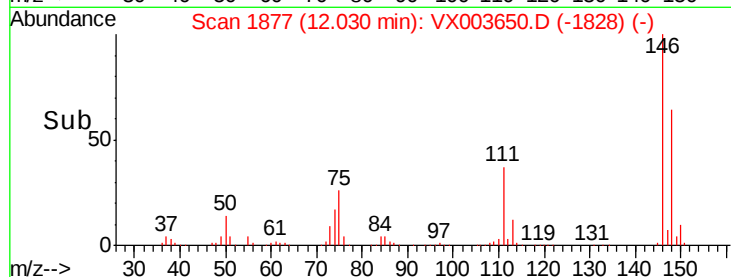
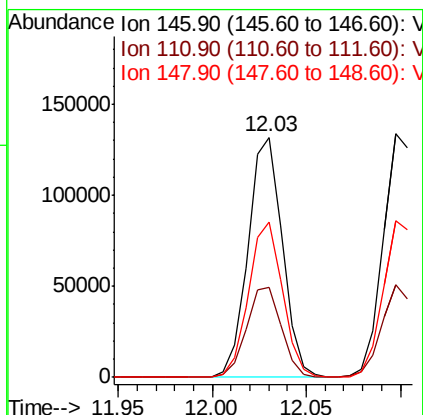
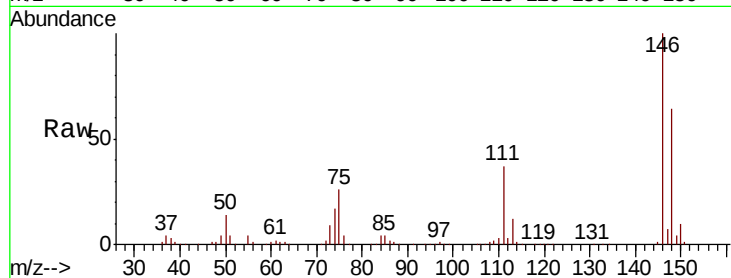




#87
 1,3-Dichlorobenzene
 Concen: 49.223 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

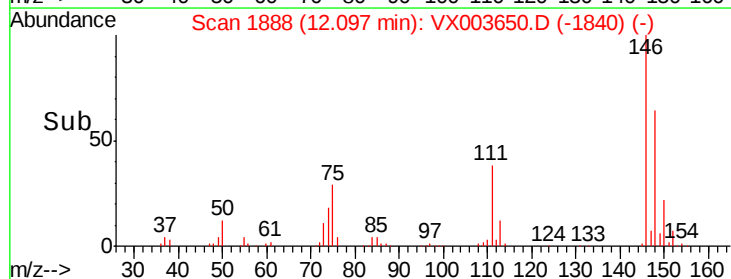
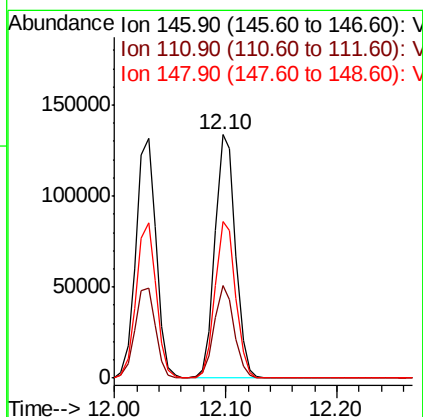
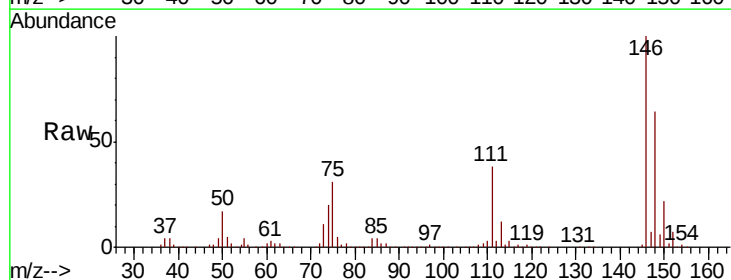
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

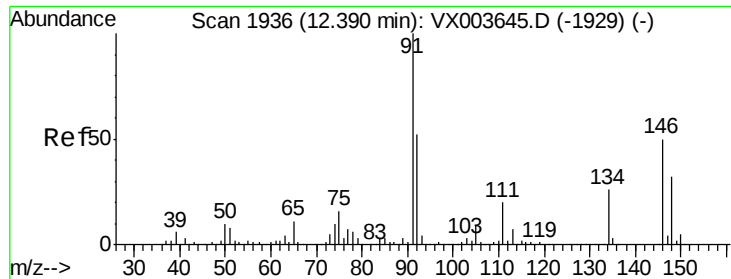
Tgt Ion:146 Resp: 166515
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.2
 148 63.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 48.408 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion:146 Resp: 170254
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.6
 148 64.4 32.0 96.2





#89

n-Butylbenzene

Concen: 52.076 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

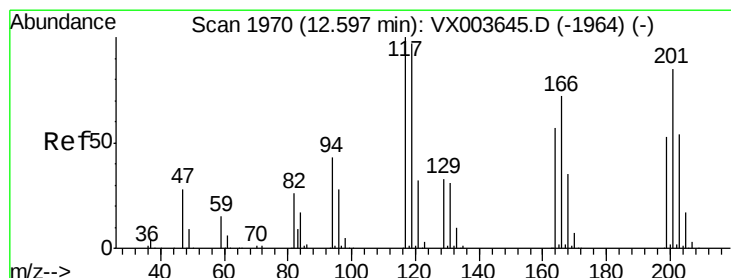
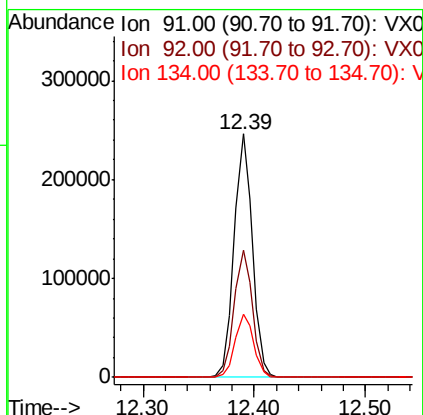
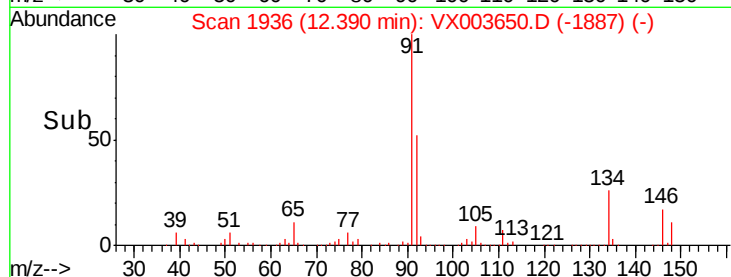
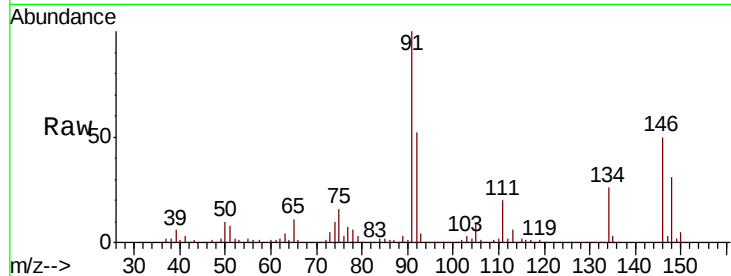
Tgt Ion: 91 Resp: 278395

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

134 26.1 13.3 39.8



#90

Hexachloroethane

Concen: 50.711 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003650.D

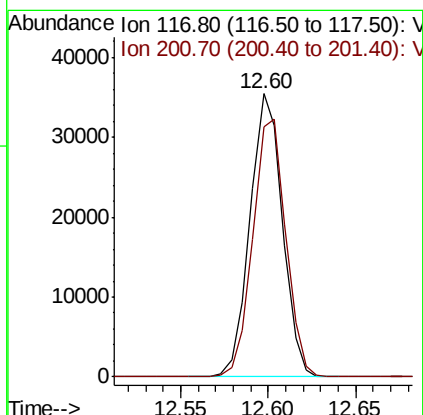
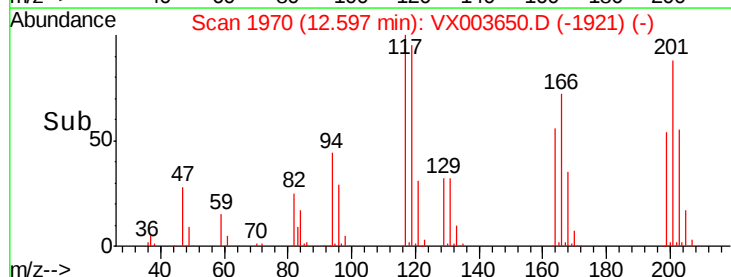
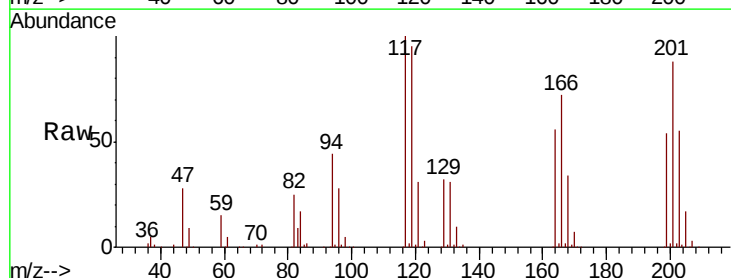
Acq: 25 Jul 2018 10:15

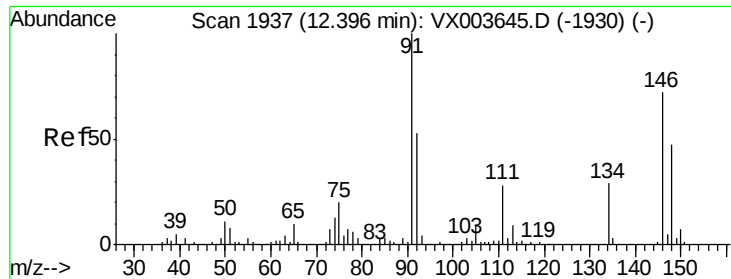
Tgt Ion: 117 Resp: 45551

Ion Ratio Lower Upper

117 100

201 92.6 46.2 138.5

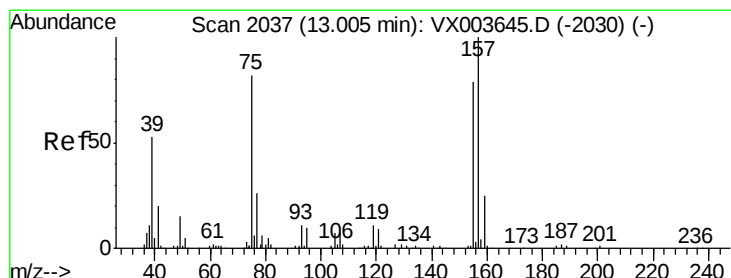
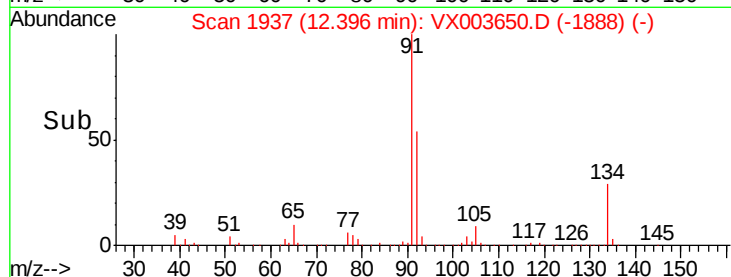
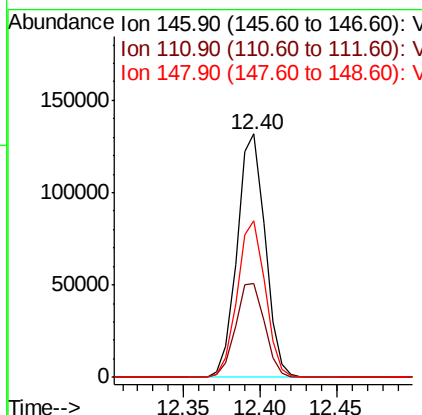
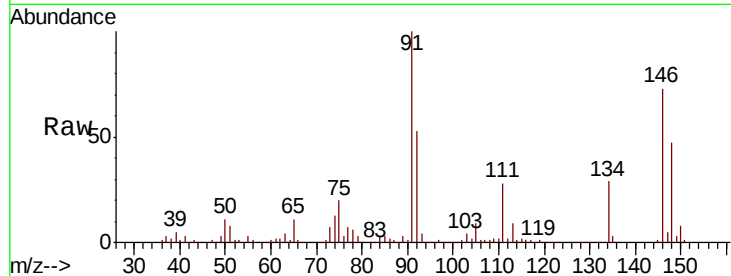




#91
 1,2-Dichlorobenzene
 Concen: 48.486 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

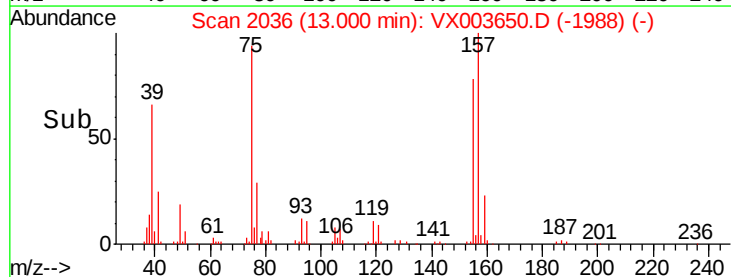
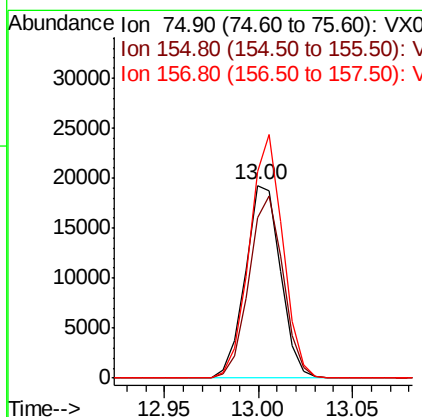
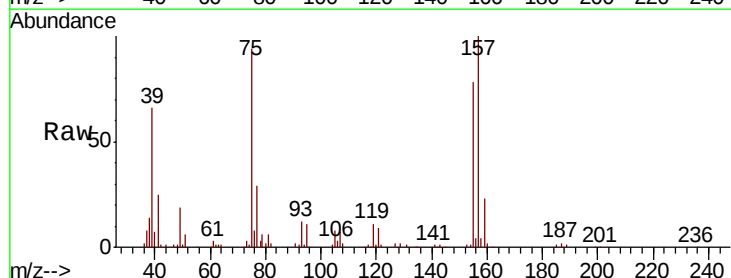
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

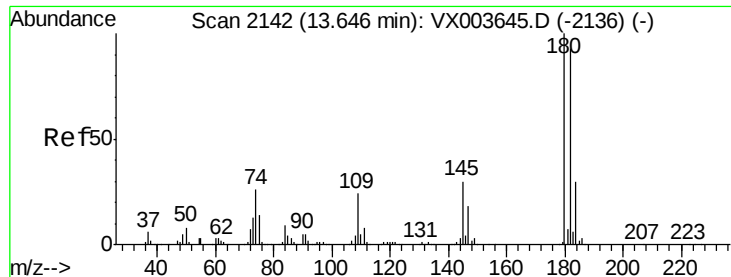
Tgt Ion: 146 Resp: 167579
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.8 59.4
 148 64.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.624 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion: 75 Resp: 24998
 Ion Ratio Lower Upper
 75 100
 155 91.7 46.1 138.3
 157 119.2 59.7 179.0

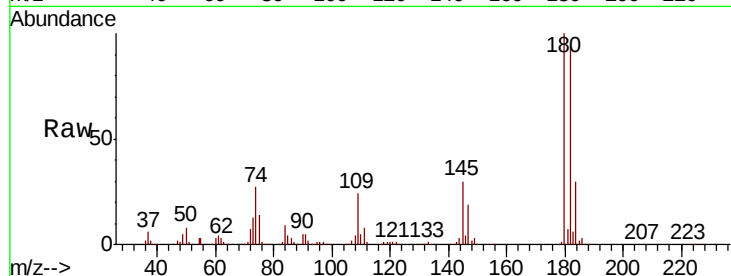




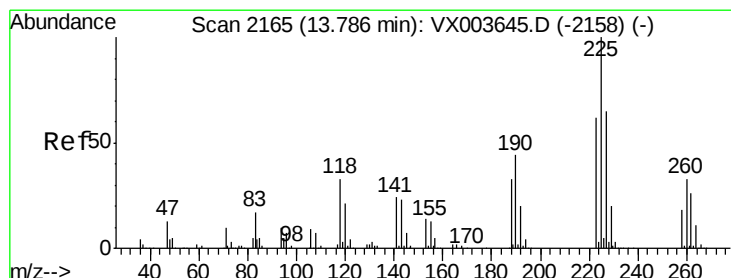
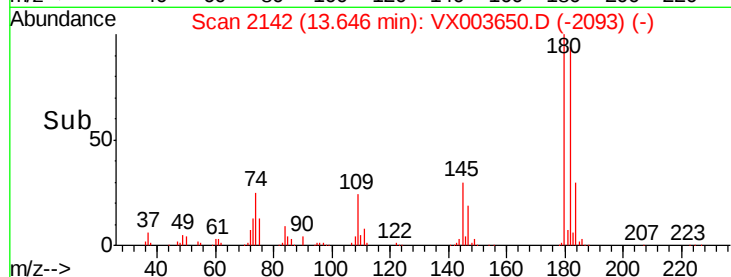
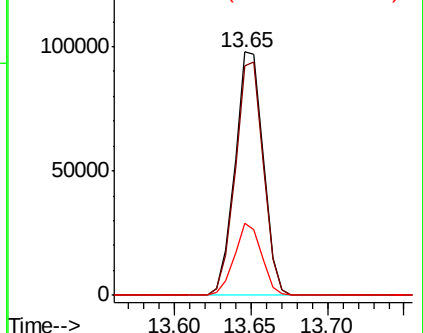
#93
 1,2,4-Trichlorobenzene
 Concen: 50.620 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 124840
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.8
 145 28.5 14.4 43.2

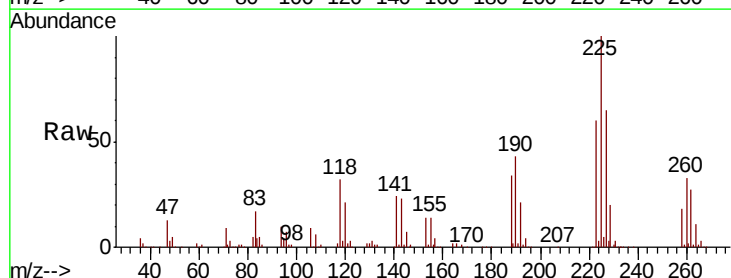


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

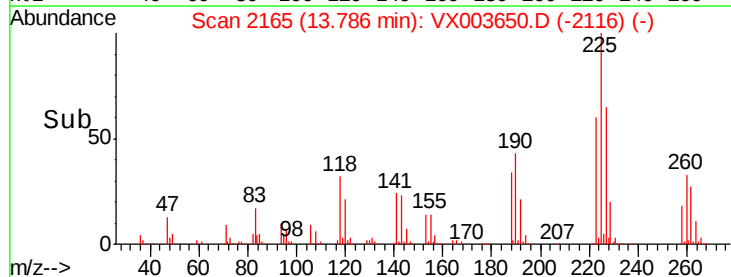
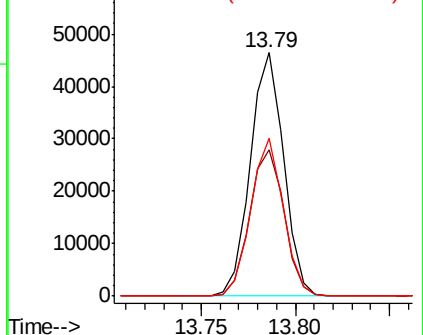


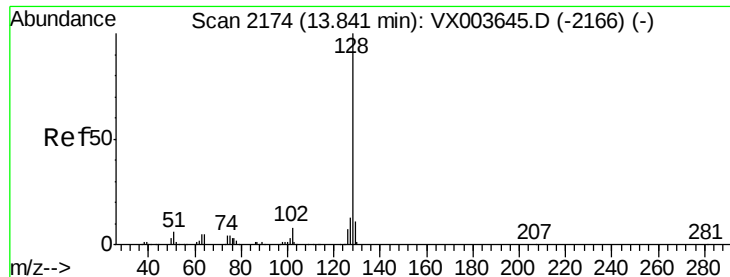
#94
 Hexachlorobutadiene
 Concen: 49.798 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003650.D
 Acq: 25 Jul 2018 10:15

Tgt Ion:225 Resp: 56819
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.5
 227 63.5 31.9 95.7



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: 52.169 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

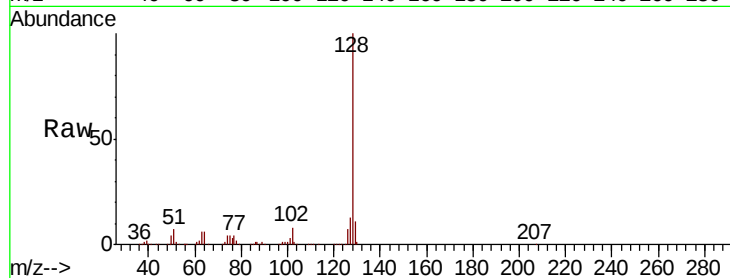
Tgt Ion:128 Resp: 389134

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

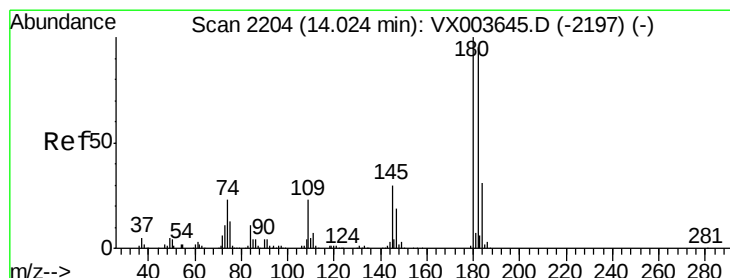
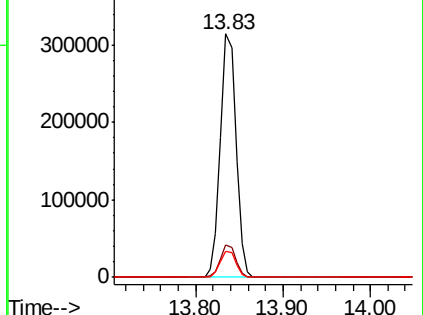
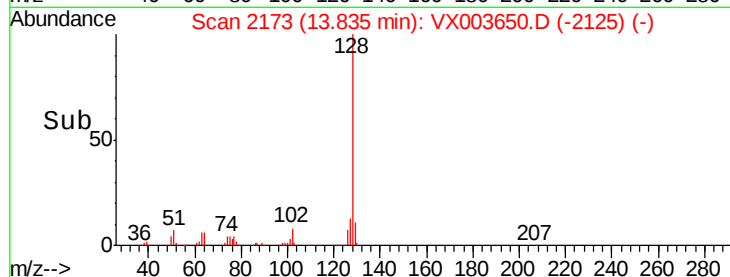
129 10.8 8.7 13.1



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: 50.649 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003650.D

Acq: 25 Jul 2018 10:15

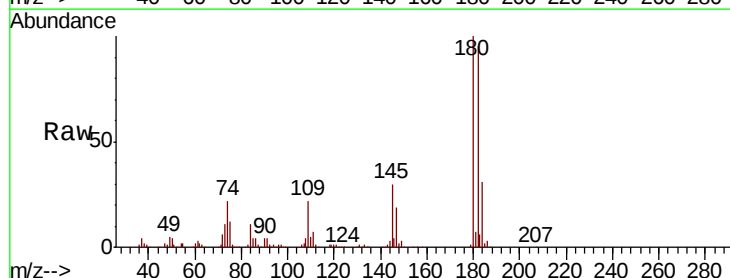
Tgt Ion:180 Resp: 126880

Ion Ratio Lower Upper

180 100

182 95.8 47.6 142.8

145 29.9 15.0 45.1



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

