

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000231.D
 Acq On : 08 Mar 2018 20:10
 Operator : JC/MD
 Sample : J1819-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 04:16:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	1094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	126101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	119565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	1204	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	52839	3484.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6968.48%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	8.73	98	155028	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.15	95	54764	42.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	87	7.30	ug/l #	41
3) Chloromethane	1.32	50	649	55.77	ug/l	98
4) Vinyl Chloride	1.40	62	78	5.75	ug/l #	43
5) Bromomethane	1.66	94	431	30.10	ug/l #	67
6) Chloroethane	1.74	64	406	48.00	ug/l #	42
7) Trichlorofluoromethane	1.94	101	131	5.82	ug/l #	52
8) Diethyl Ether	2.19	74	47	5.69	ug/l #	6
9) 1,1,2-Trichlorotrifluoroet	2.39	101	181	14.40	ug/l #	76
10) Methyl Iodide	2.53	142	431	33.76	ug/l #	80
11) Tert butyl alcohol	3.07	59	1078	193.45	ug/l #	77
12) 1,1-Dichloroethene	2.39	96	49	4.25	ug/l #	18
13) Acrolein	2.31	56	154	52.57	ug/l #	15
14) Allyl chloride	2.75	41	244	11.45	ug/l #	40
15) Acrylonitrile	3.16	53	532	54.86	ug/l	96
16) Acetone	2.45	43	3191	292.99	ug/l	98
17) Carbon Disulfide	2.58	76	1296	40.99	ug/l #	41
18) Methyl Acetate	2.79	43	2825	121.80	ug/l #	87
19) Methyl tert-butyl Ether	3.21	73	579	14.09	ug/l #	84
20) Methylene Chloride	2.86	84	808	62.21	ug/l #	82
21) trans-1,2-Dichloroethene	3.17	96	99	7.80	ug/l #	35
22) Diisopropyl ether	3.86	45	24	0.66	ug/l #	56
23) Vinyl Acetate	3.84	43	286	8.11	ug/l #	72
24) 1,1-Dichloroethane	3.68	63	24	1.07	ug/l #	84
25) 2-Butanone	4.72	43	202	15.03	ug/l #	50
28) Bromochloromethane	5.04	49	33489	3511.65	ug/l	99
29) Tetrahydrofuran	5.17	42	44	5.21	ug/l #	31
30) Chloroform	5.23	83	451	20.79	ug/l #	62
31) Cyclohexane	5.73	56	22	1.33	ug/l #	17
36) 1,1-Dichloropropene	5.81	75	227	0.20	ug/l #	57
42) 1,2-Dichloroethane	6.22	62	281	0.22	ug/l #	77
60) Dibromochloromethane	9.35	129	208	0.22	ug/l #	10
64) Tetrachloroethene	9.35	164	326	0.39	ug/l #	66
68) m/p-Xylenes	10.37	106	503	0.31	ug/l	88
73) Isopropylbenzene	11.02	105	506	6.71	ug/l	77

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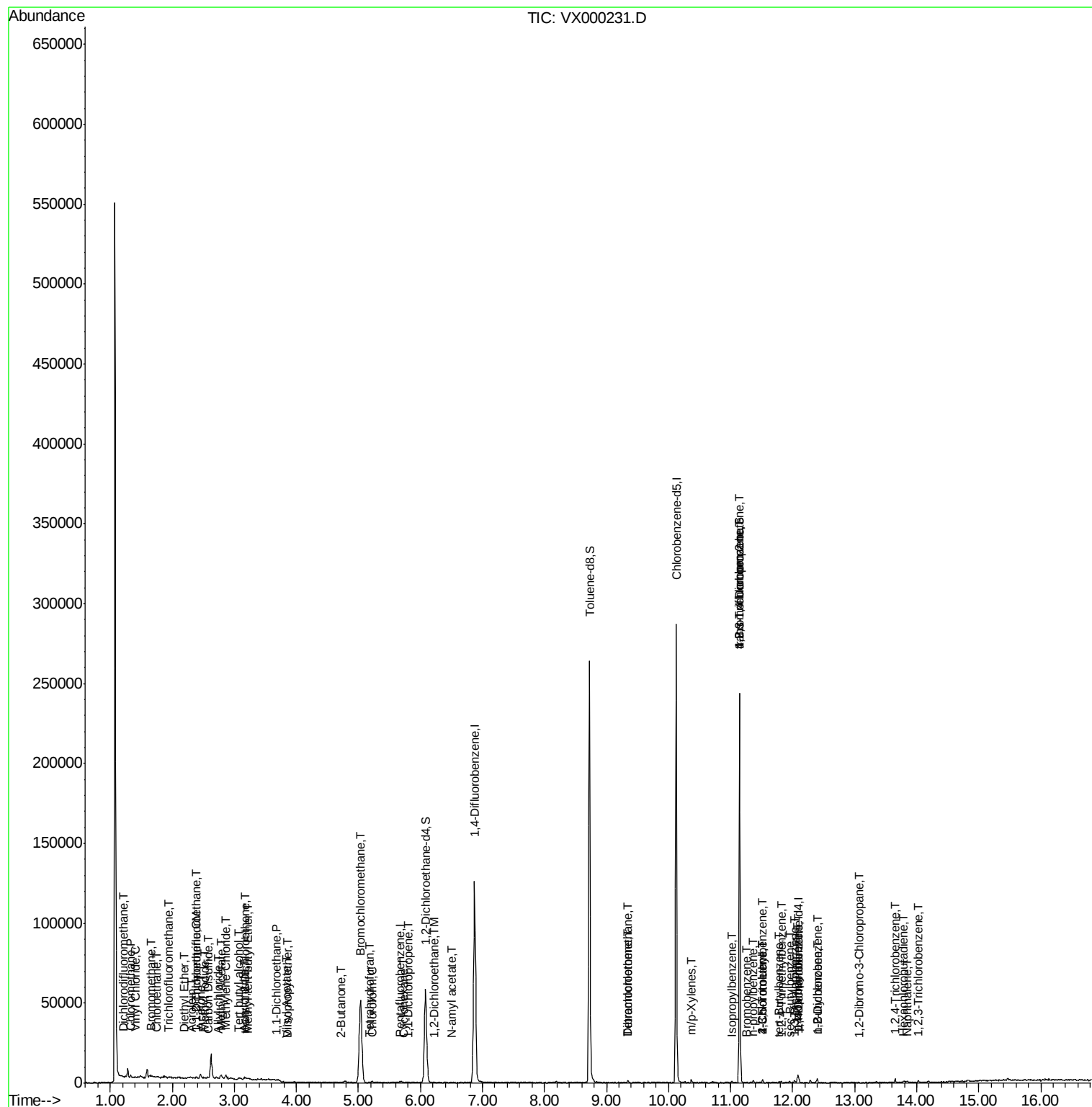
74) N-amy1 acetate	6.51	43	49	1.27	ug/l #	59
76) 1,2,3-Trichloropropane	11.15	75	32088	1329.53	ug/l #	34
77) Bromobenzene	11.26	156	66	3.39	ug/l #	1
78) n-propylbenzene	11.37	91	837	9.43	ug/l	94
79) 2-Chlorotoluene	11.52	91	633	12.65	ug/l	85
80) 1,3,5-Trimethylbenzene	11.51	105	678	10.77	ug/l	82
81) trans-1,4-Dichloro-2-buten	11.15	75	32088	4071.25	ug/l #	10
82) 4-Chlorotoluene	11.52	91	633	10.40	ug/l	92
83) tert-Butylbenzene	11.77	119	346	5.65	ug/l #	86
84) 1,2,4-Trimethylbenzene	11.81	105	502	7.76	ug/l	93
85) sec-Butylbenzene	11.96	105	774	9.99	ug/l	80
86) p-Isopropyltoluene	12.07	119	774	11.33	ug/l	82
87) 1,3-Dichlorobenzene	12.04	146	532	14.36	ug/l	89
88) 1,4-Dichlorobenzene	12.10	146	629	16.20	ug/l	86
89) n-Butylbenzene	12.40	91	1095	16.64	ug/l #	82
91) 1,2-Dichlorobenzene	12.40	146	368	10.03	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	13.07	75	24	3.23	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	593	22.22	ug/l	91
94) Hexachlorobutadiene	13.79	225	303	27.28	ug/l	75
95) Naphthalene	13.85	128	895	9.61	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	315	11.93	ug/l	86

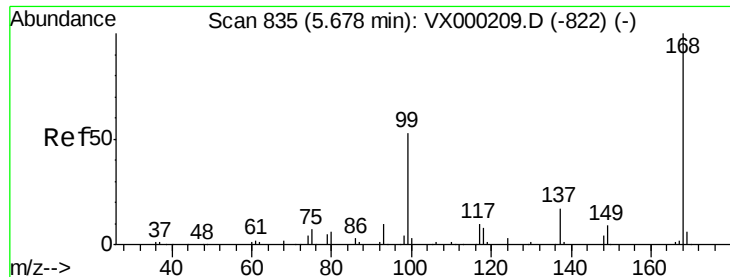
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

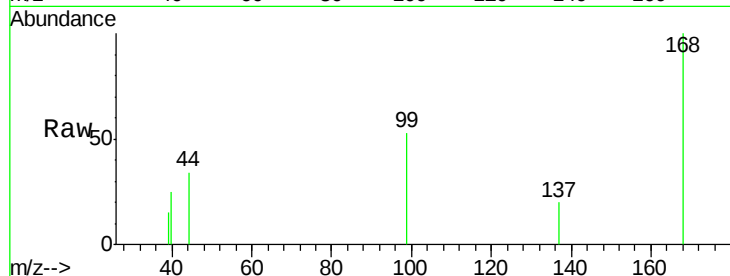
ClientSampled :

Tot Ion:168 Resp: 1094

Ion Ratio Lower Upper

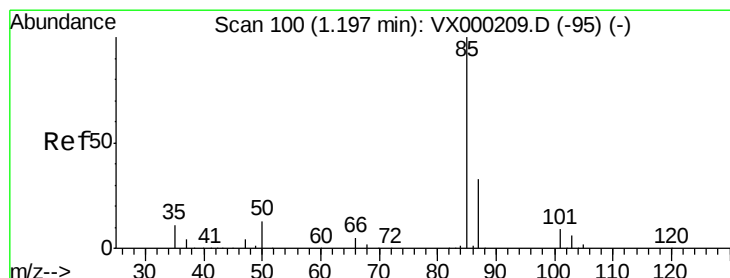
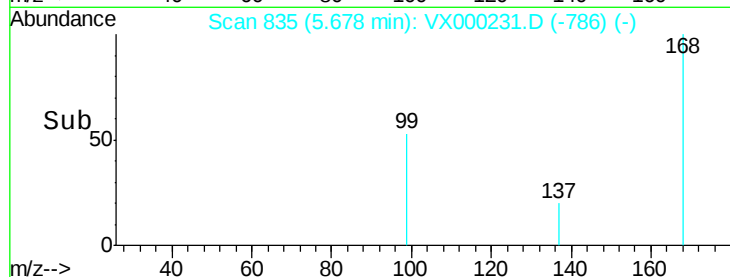
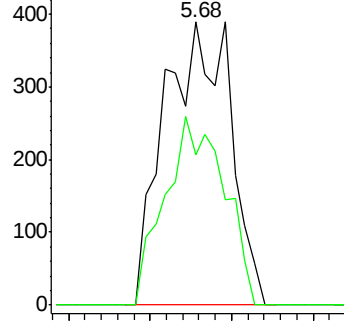
168 100

99 53.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 7.30 ug/l

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX000231.D

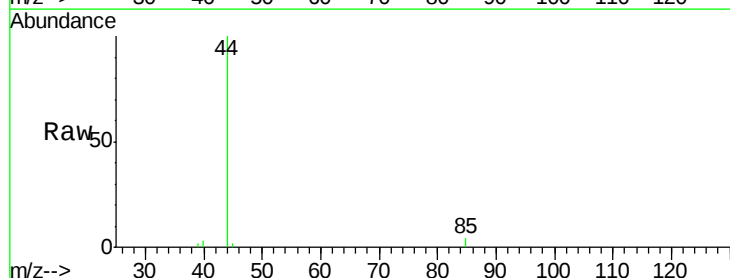
Acq: 08 Mar 2018 20:10

Tgt Ion: 85 Resp: 87

Ion Ratio Lower Upper

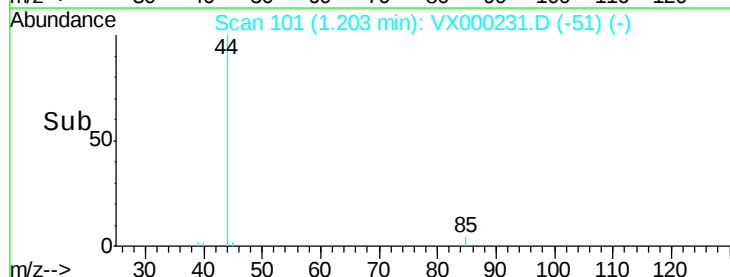
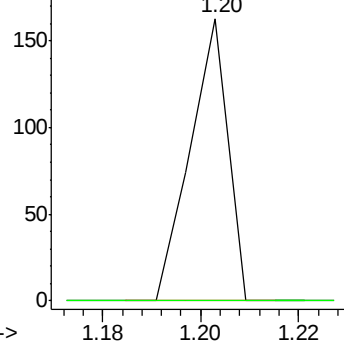
85 100

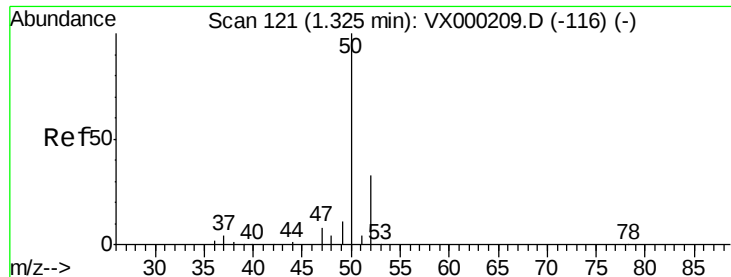
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 55.77 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

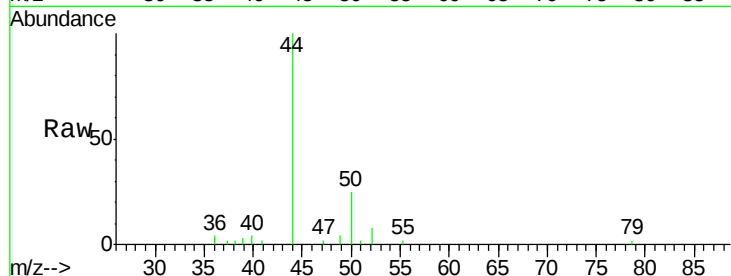
ClientSampleId :

Tot Ion: 50 Resp: 649

Ion Ratio Lower Upper

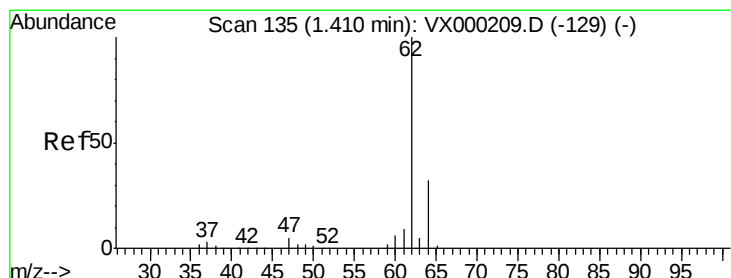
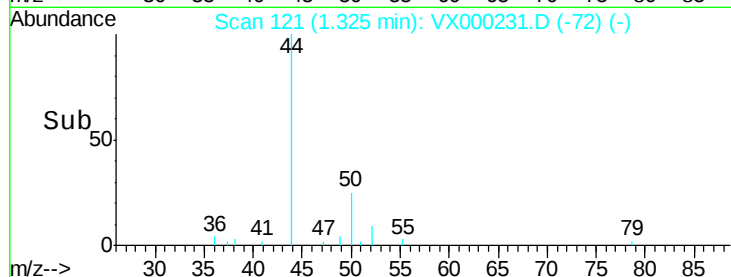
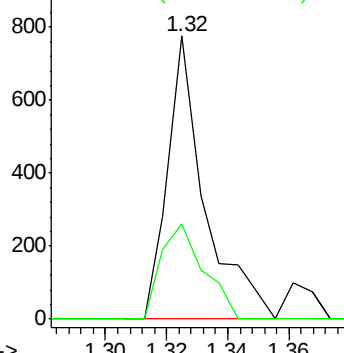
50 100

52 33.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.75 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000231.D

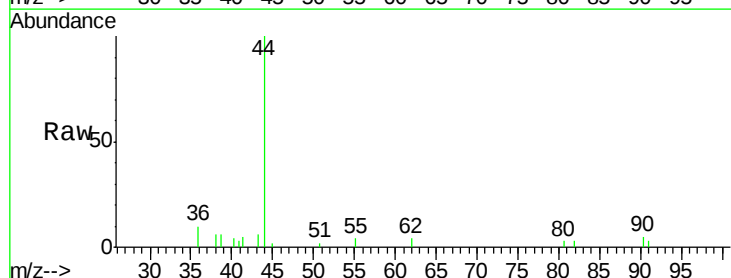
Acq: 08 Mar 2018 20:10

Tgt Ion: 62 Resp: 78

Ion Ratio Lower Upper

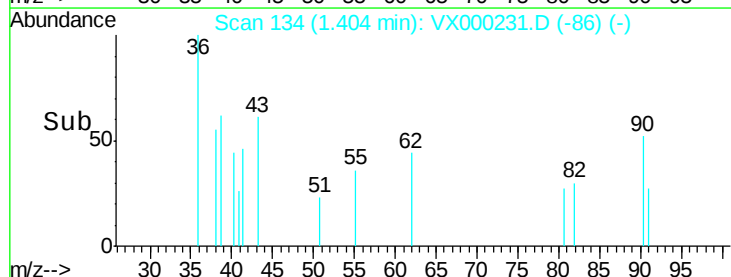
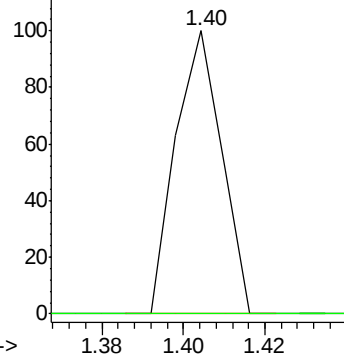
62 100

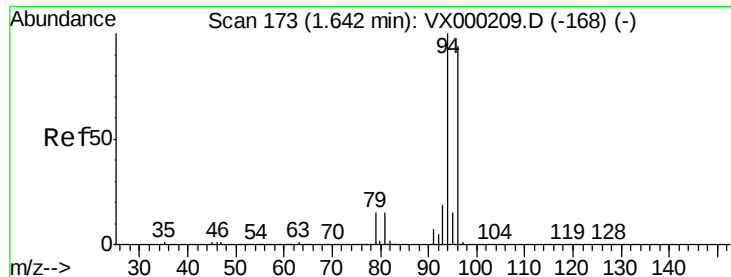
64 0.0 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 30.10 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

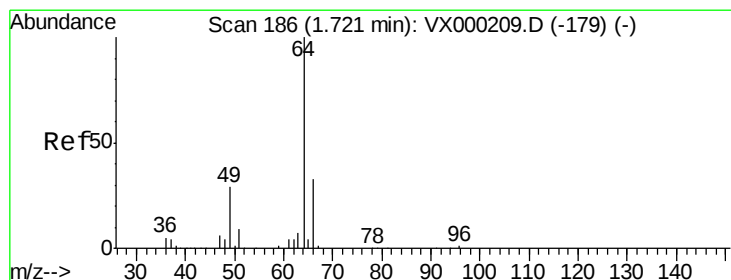
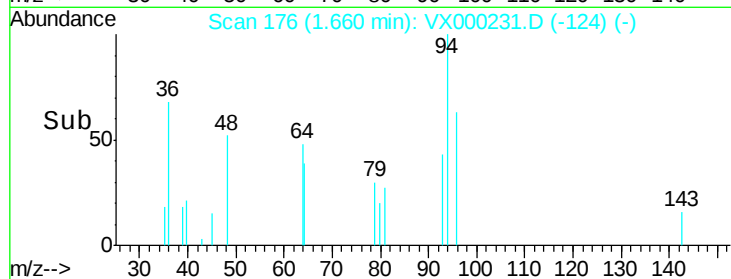
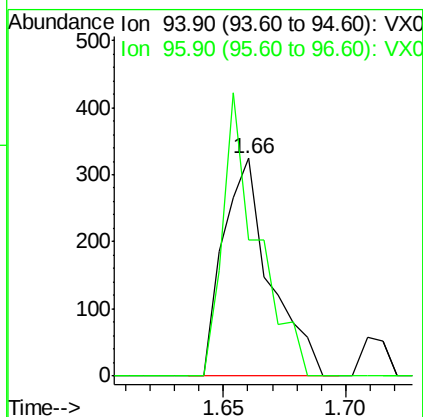
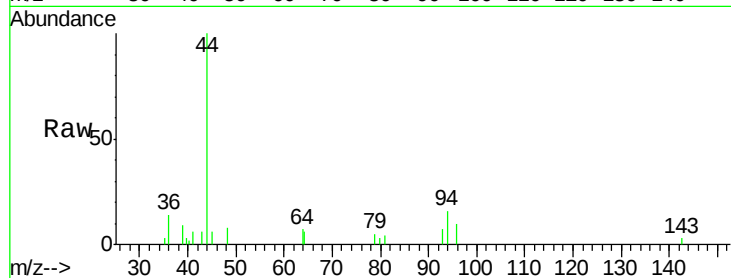
ClientSampled :

Tot Ion: 94 Resp: 431

Ion Ratio Lower Upper

94 100

96 62.7 75.3 112.9#



#6

Chloroethane

Concen: 48.00 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX000231.D

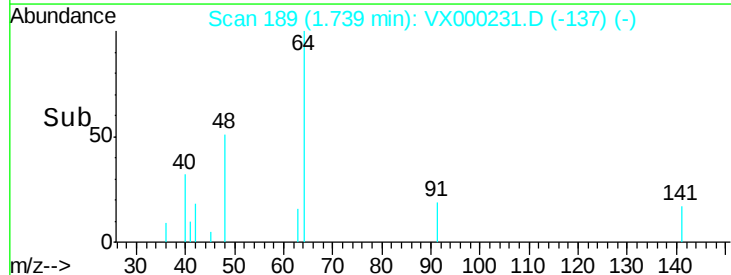
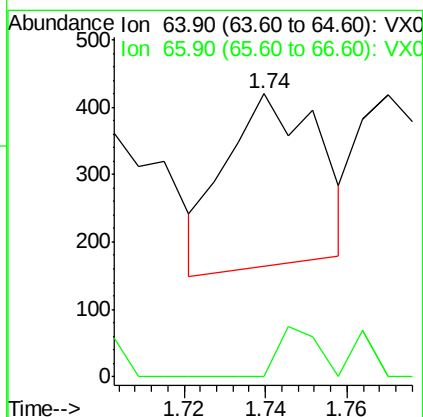
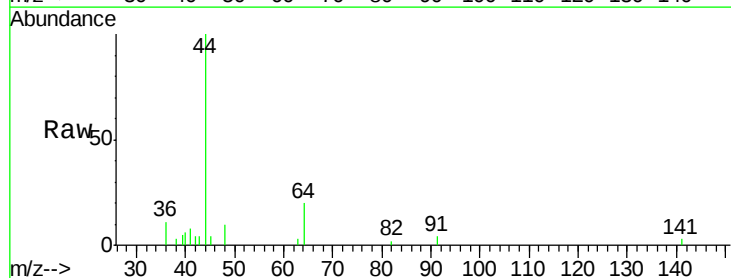
Acq: 08 Mar 2018 20:10

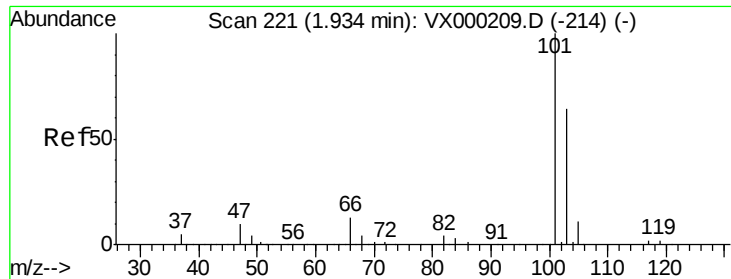
Tgt Ion: 64 Resp: 406

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



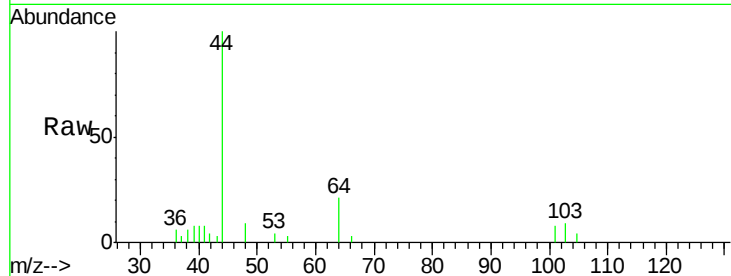


#7

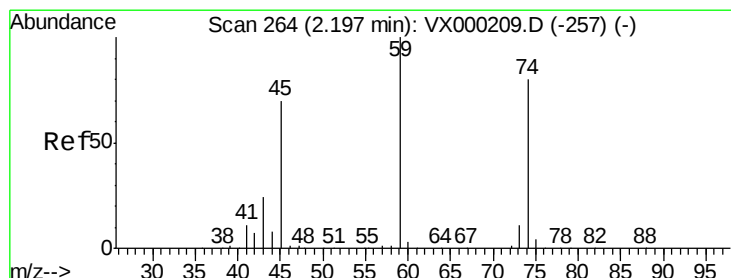
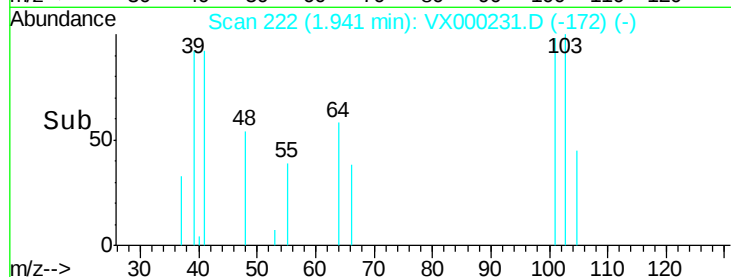
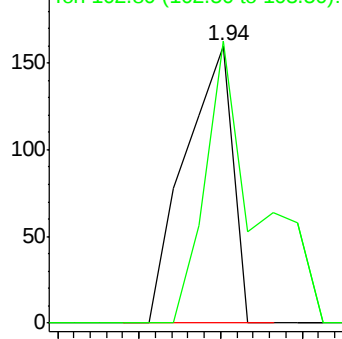
Trichlorofluoromethane
Concen: 5.82 ug/l
RT: 1.94 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:101 Resp: 131
Ion Ratio Lower Upper
101 100
103 101.9 51.2 76.8#



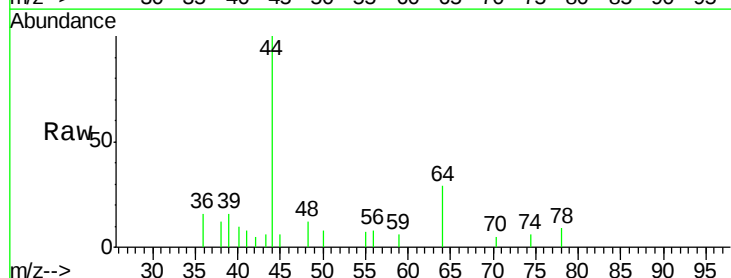
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



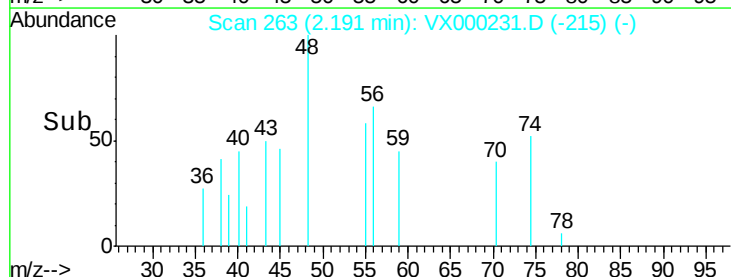
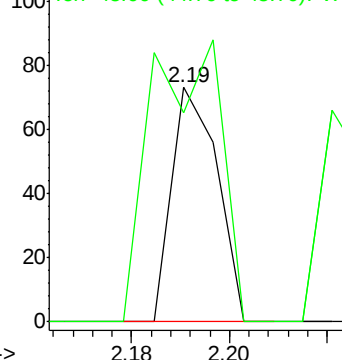
#8

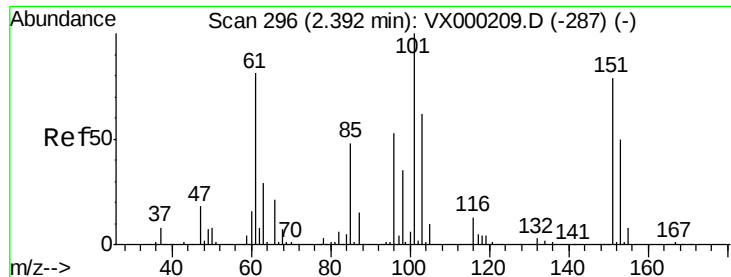
Diethyl Ether
Concen: 5.69 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 74 Resp: 47
Ion Ratio Lower Upper
74 100
45 185.1 47.2 141.6#



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.40 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000231.D

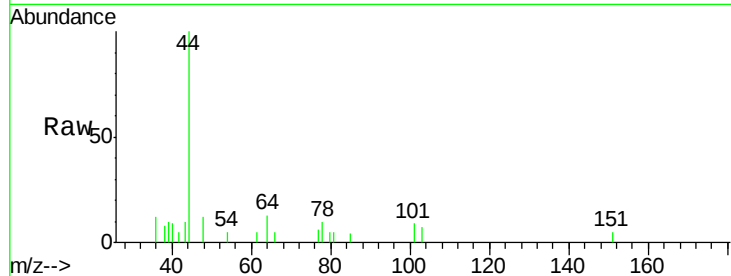
Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampled :

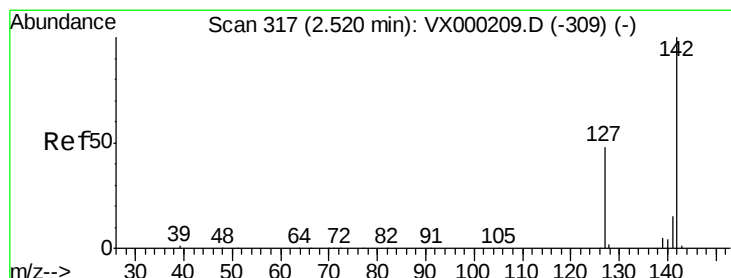
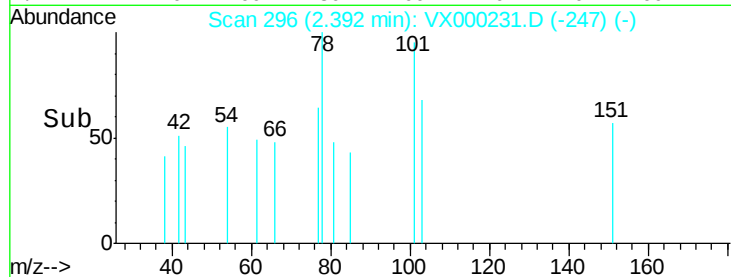
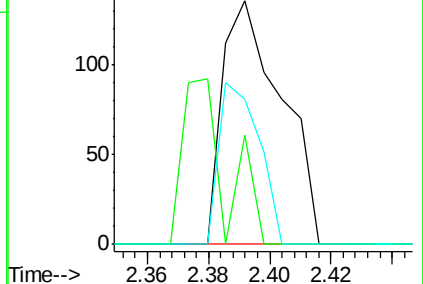
Tot Ion:	101	Resp:	181
Ion	Ratio	Lower	Upper
101	100		
85	49.2	38.3	57.5
151	45.3	62.8	94.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 33.76 ug/l

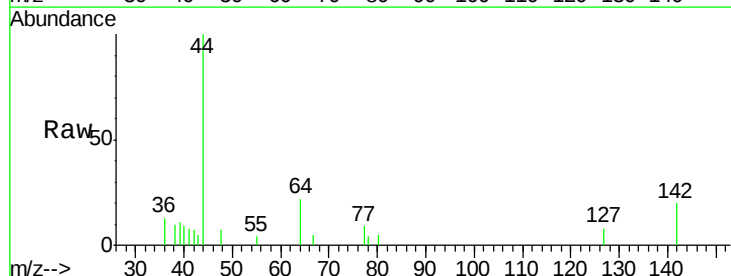
RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

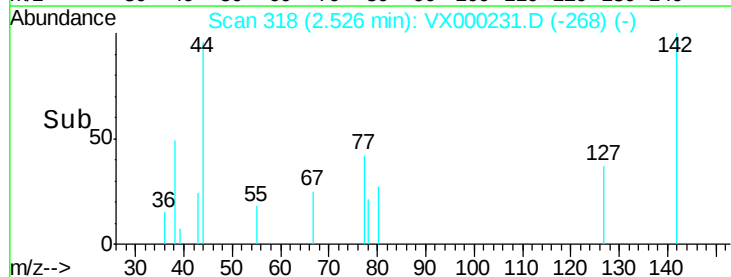
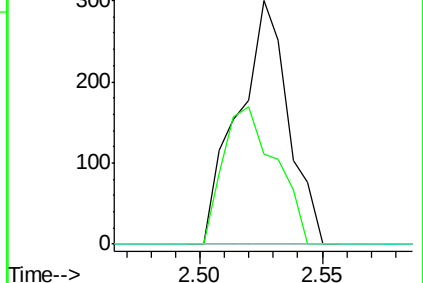
Tgt Ion:	142	Resp:	431
Ion	Ratio	Lower	Upper
142	100		
127	58.9	39.0	58.6#
141	0.0	11.6	17.4#

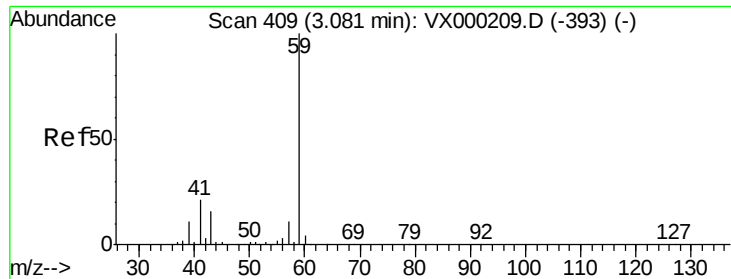


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

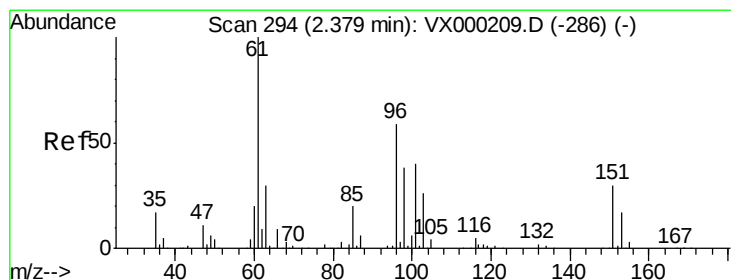
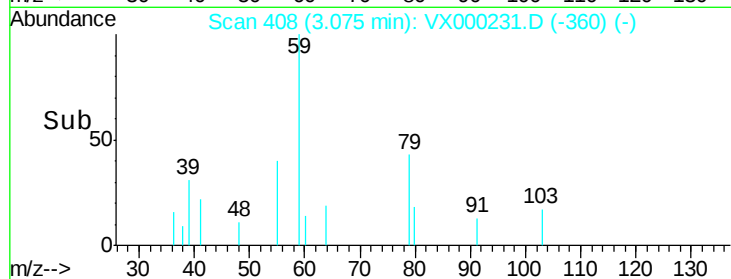
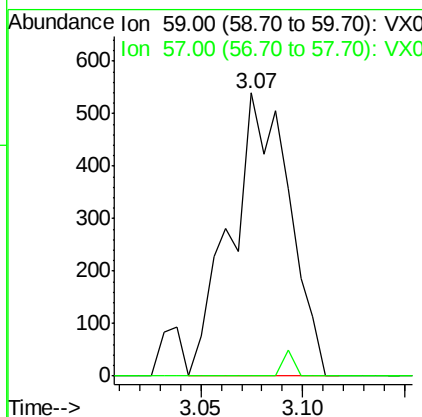
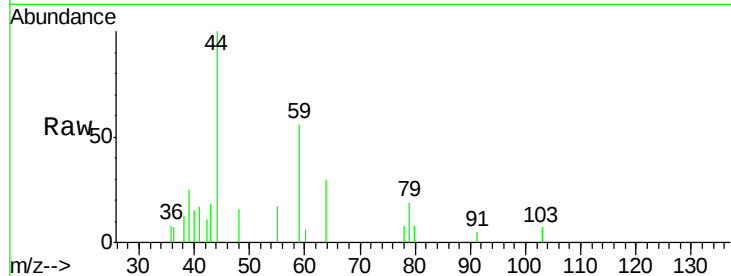




#11
Tert butyl alcohol
Concen: 193.45 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

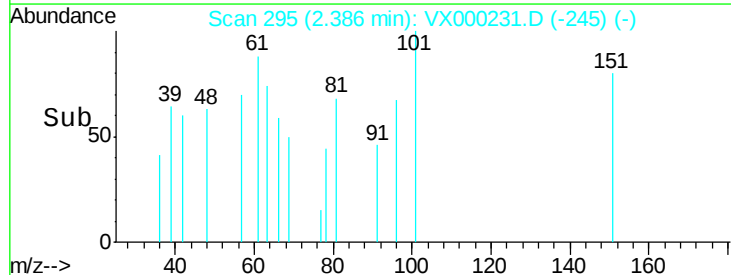
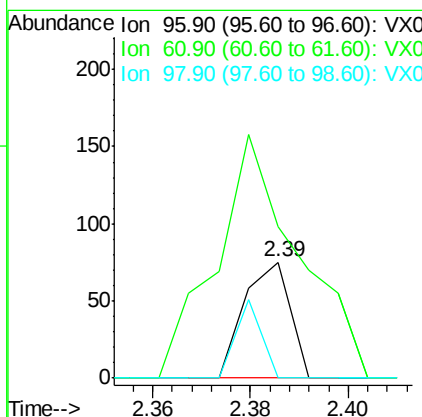
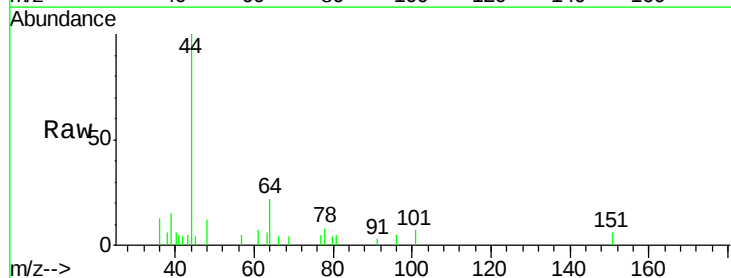
Instrument :
MSVOA_X
ClientSampled :

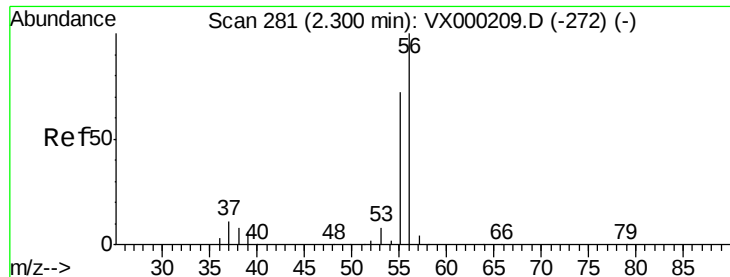
Tot Ion: 59 Resp: 1078
Ion Ratio Lower Upper
59 100
57 1.8 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 4.25 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 96 Resp: 49
Ion Ratio Lower Upper
96 100
61 57.3 135.8 203.6#
98 0.0 51.1 76.7#





#13

Acrolein

Concen: 52.57 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

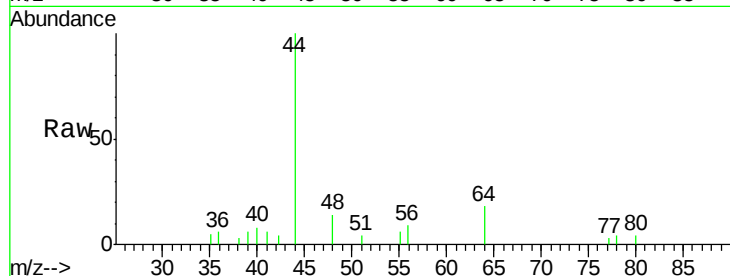
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

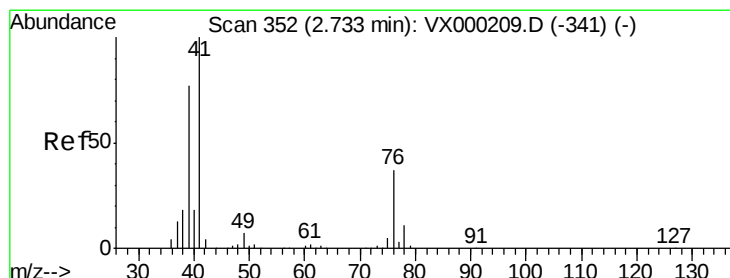
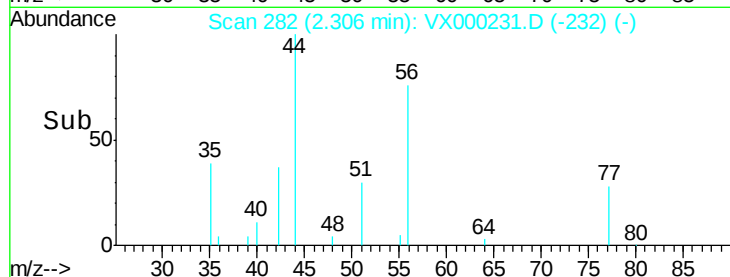
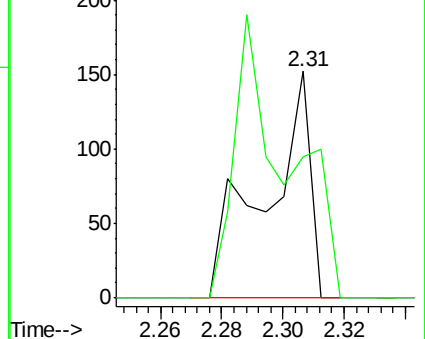
56 100

55 146.1 59.2 88.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 11.45 ug/l

RT: 2.75 min Scan# 355

Delta R.T. 0.02 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

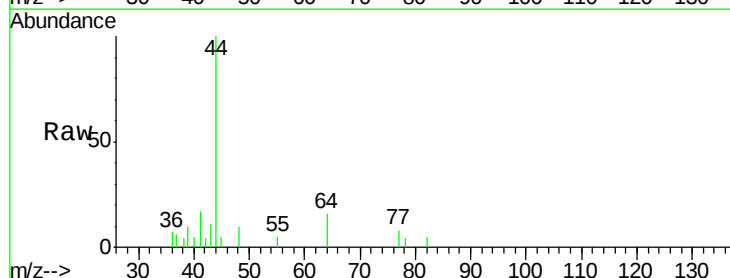
Tgt Ion: 41 Resp: 244

Ion Ratio Lower Upper

41 100

39 21.7 57.0 85.6#

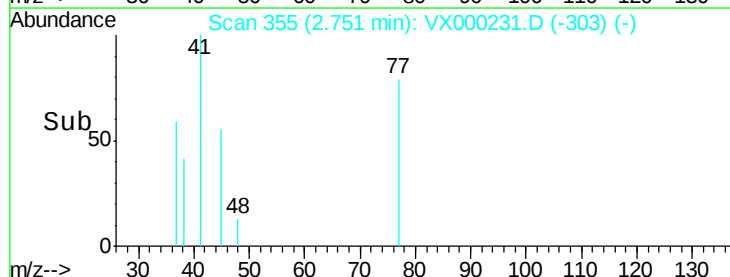
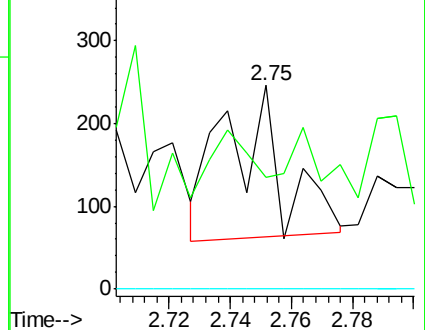
76 0.0 26.8 40.2#

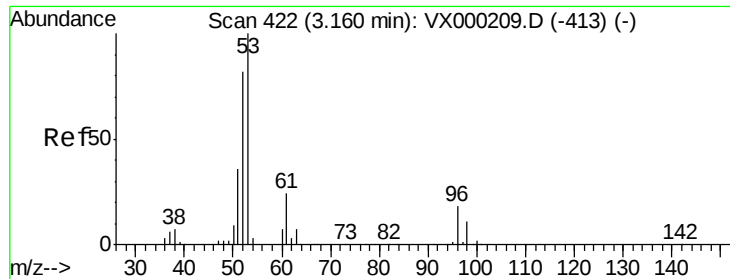


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 54.86 ug/l

RT: 3.16 min Scan# 422

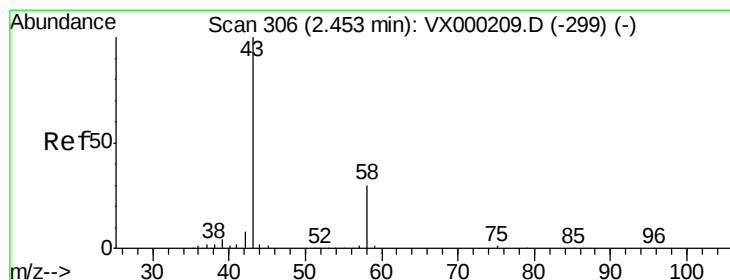
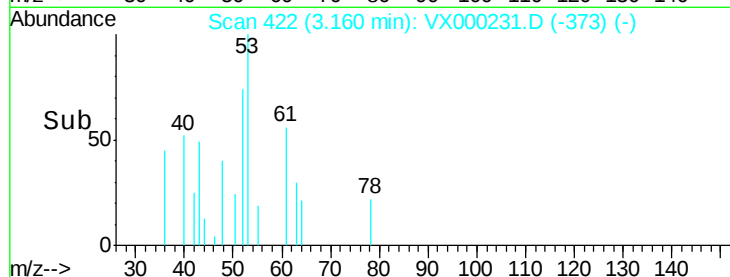
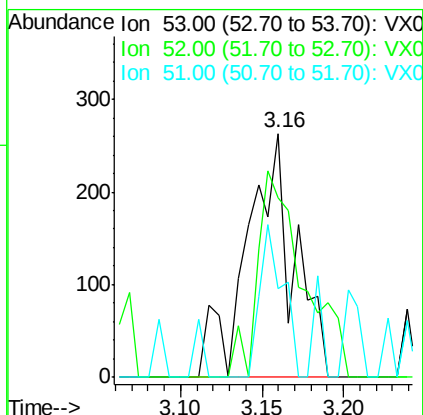
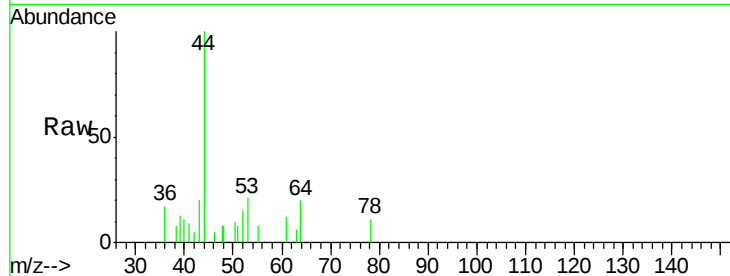
Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	532
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.3	99.5
51	31.0	29.6	44.4



#16

Acetone

Concen: 292.99 ug/l

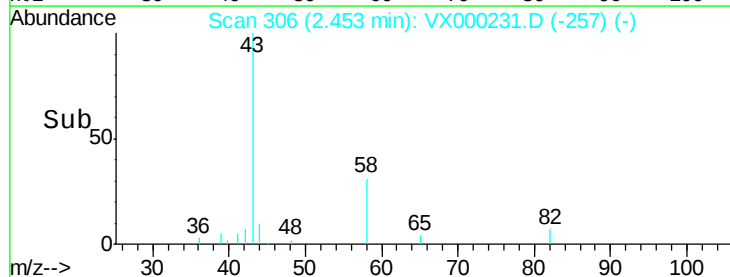
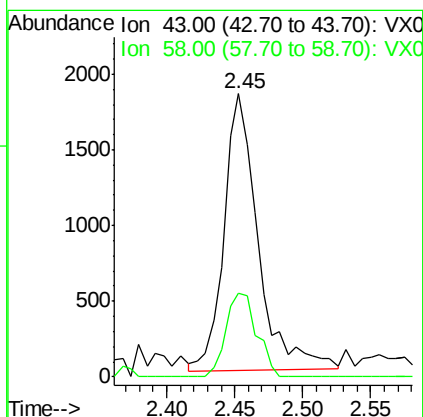
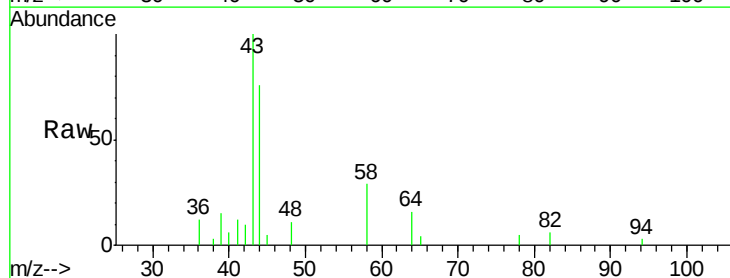
RT: 2.45 min Scan# 306

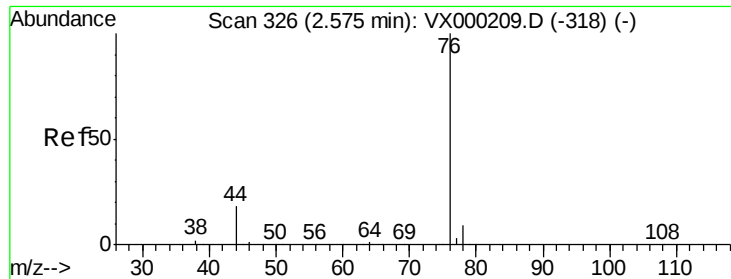
Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Tgt Ion:	43	Resp:	3191
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.8	35.6

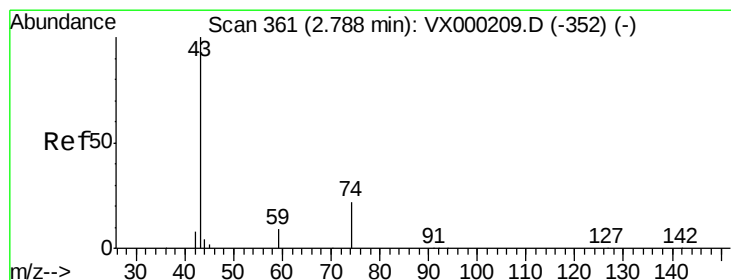
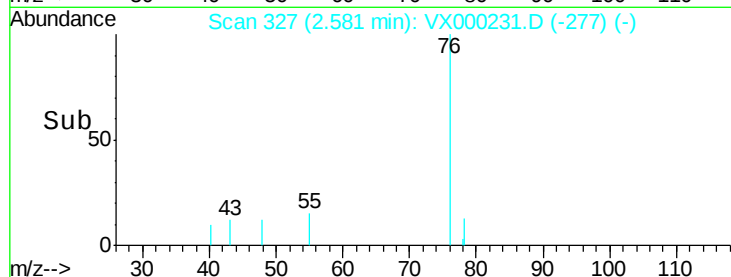
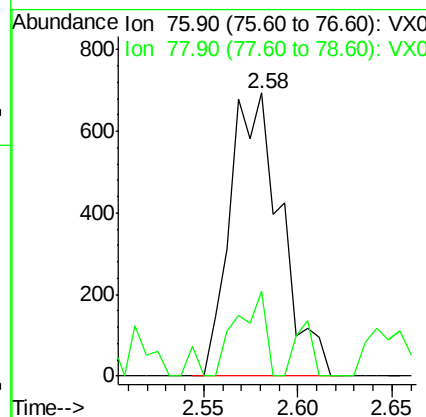
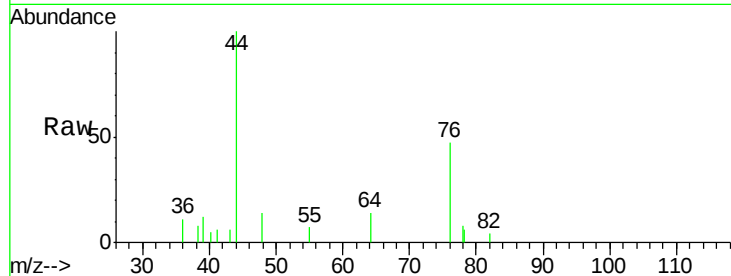




#17
Carbon Disulfide
Concen: 40.99 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

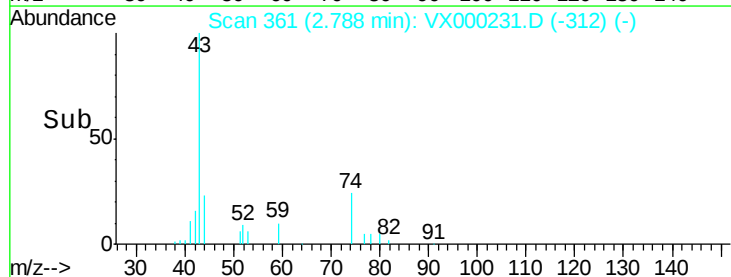
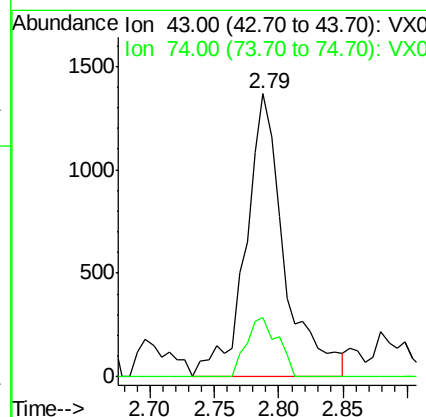
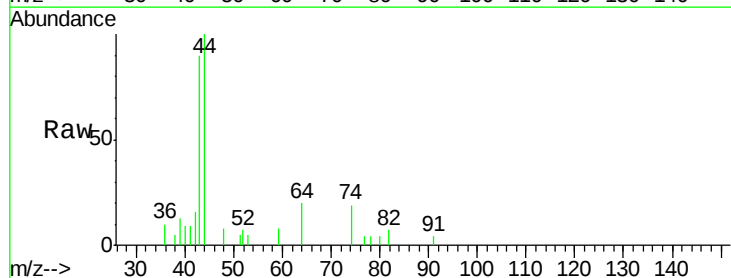
Instrument :
MSVOA_X
ClientSampleId :

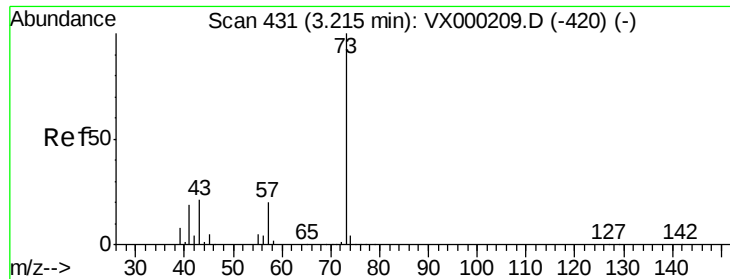
Tot Ion: 76 Resp: 1296
Ion Ratio Lower Upper
76 100
78 30.0 7.0 10.6#



#18
Methyl Acetate
Concen: 121.80 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 43 Resp: 2825
Ion Ratio Lower Upper
43 100
74 17.0 18.9 28.3#

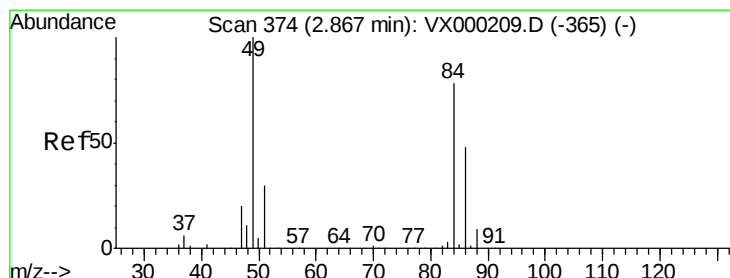
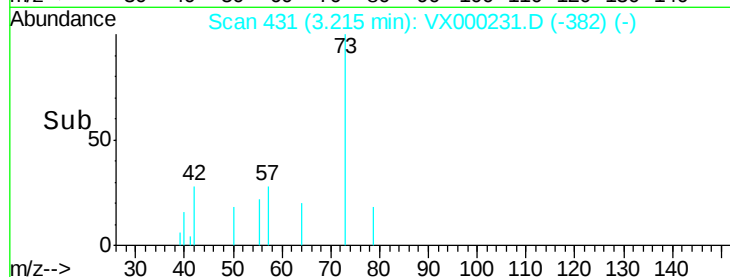
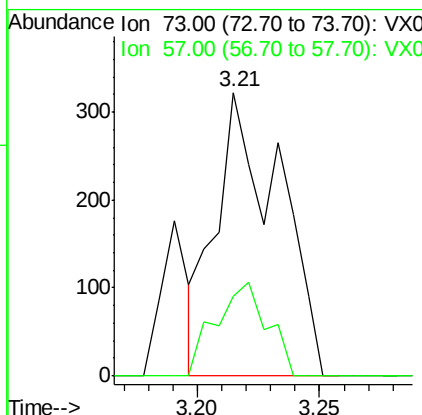
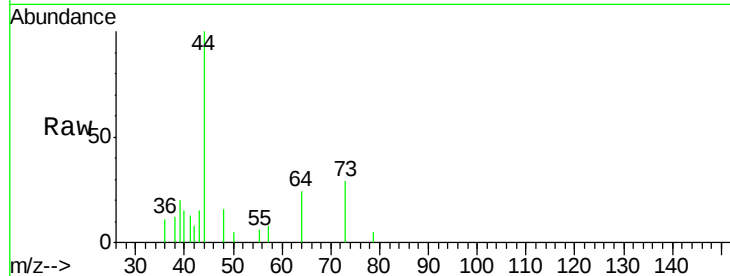




#19
Methvl tert-butvl Ether
Concen: 14.09 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

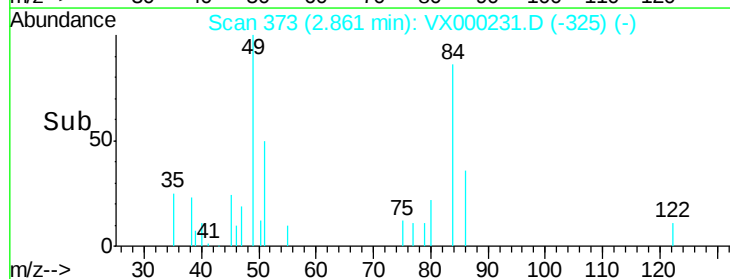
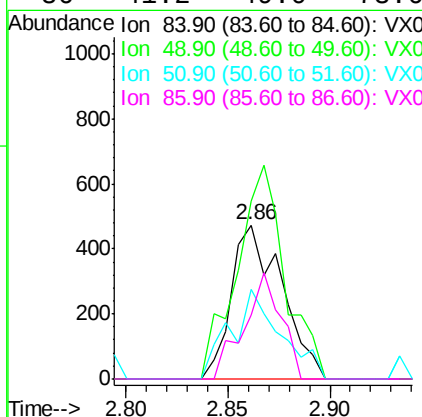
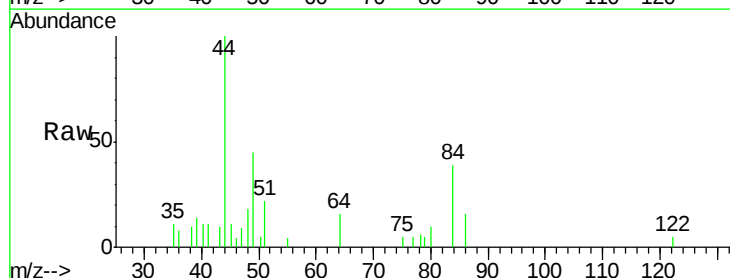
Instrument :
MSVOA_X
ClientSampleId :

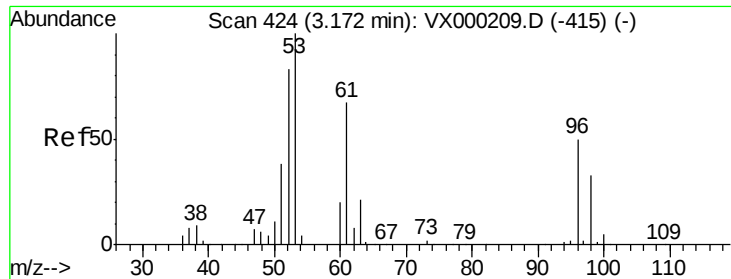
Tot Ion: 73 Resp: 579
Ion Ratio Lower Upper
73 100
57 28.0 16.3 24.5#



#20
Methylene Chloride
Concen: 62.21 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 84 Resp: 808
Ion Ratio Lower Upper
84 100
49 115.9 102.1 153.1
51 57.9 30.6 45.8#
86 41.2 49.0 73.6#





#21

trans-1,2-Dichloroethene

Concen: 7.80 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampled :

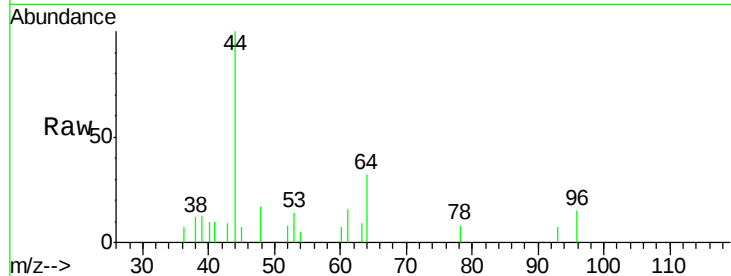
Tot Ion: 96 Resp: 99

Ion Ratio Lower Upper

96 100

61 66.9 107.0 160.4#

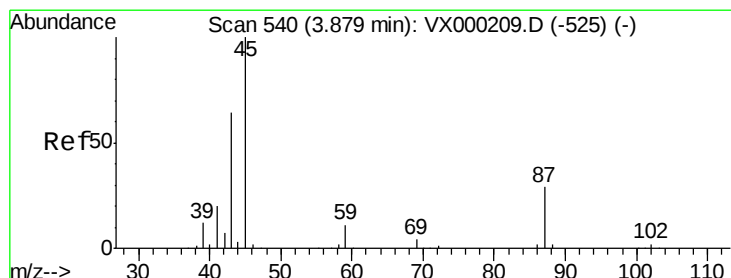
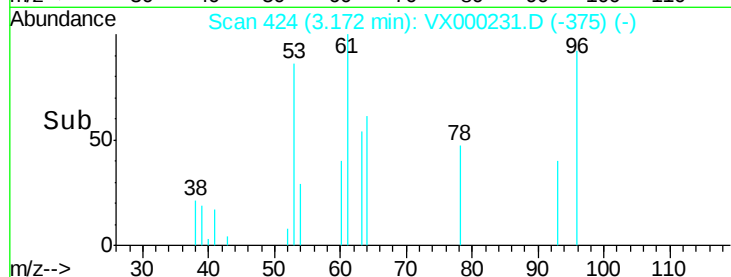
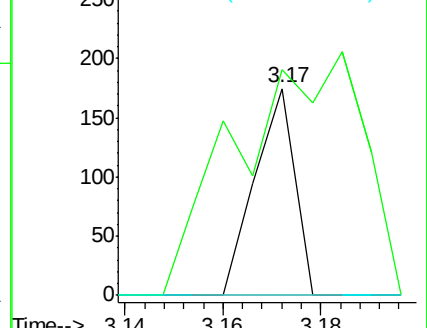
98 0.0 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 0.66 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.02 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Tgt Ion: 45 Resp: 24

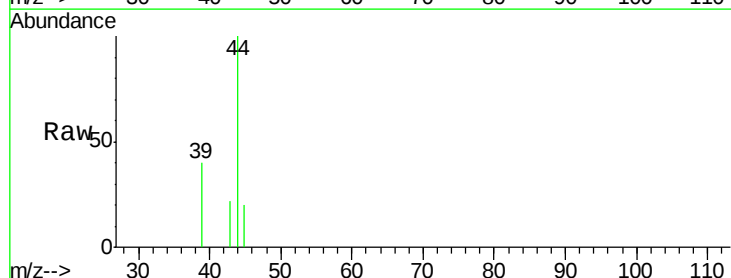
Ion Ratio Lower Upper

45 100

43 33.3 53.5 80.3#

87 0.0 23.3 34.9#

59 0.0 9.0 13.6#

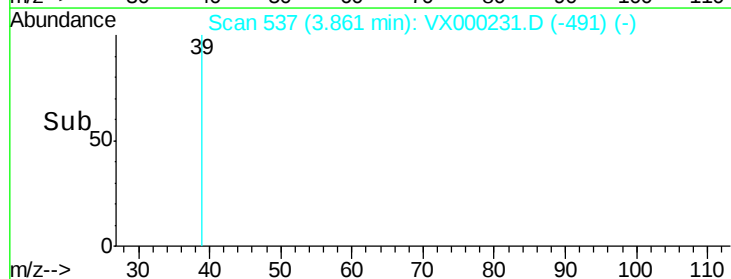
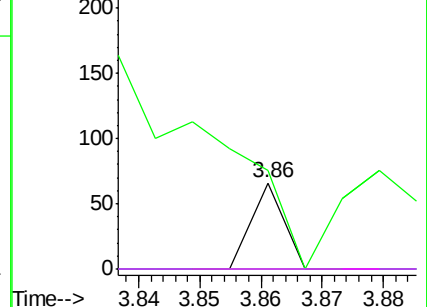


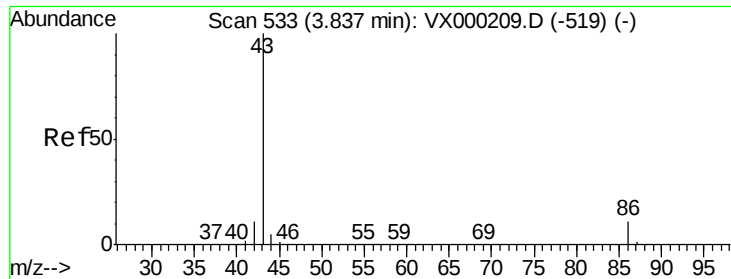
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 8.11 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

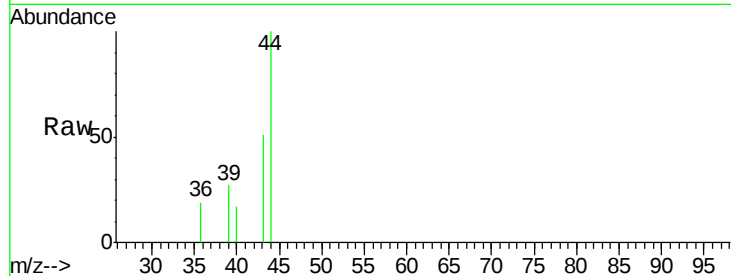
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 286

Ion Ratio Lower Upper

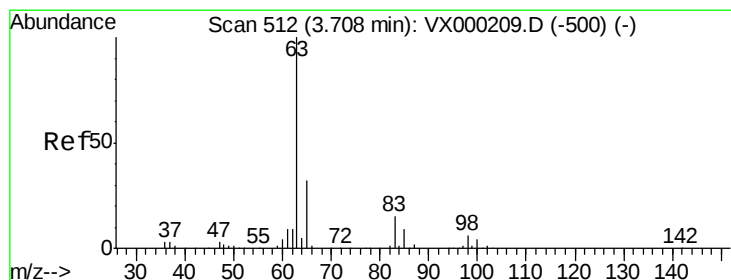
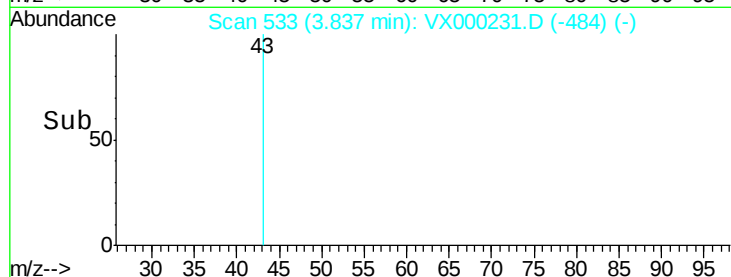
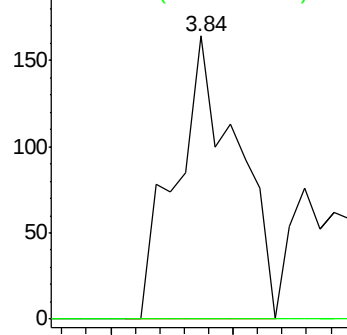
43 100

86 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 1.07 ug/l

RT: 3.68 min Scan# 508

Delta R.T. -0.02 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

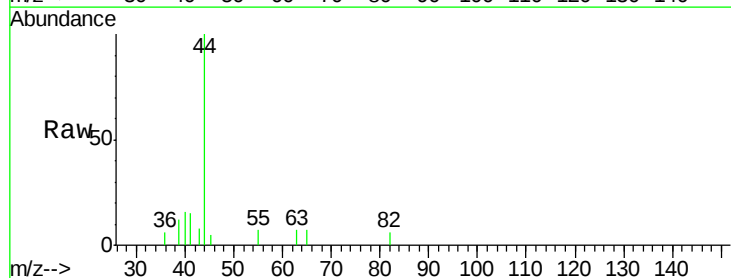
Tgt Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

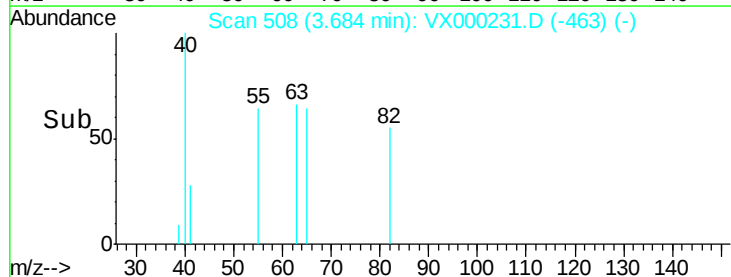
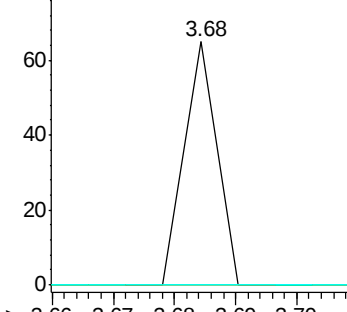
100 0.0 2.2 6.6#

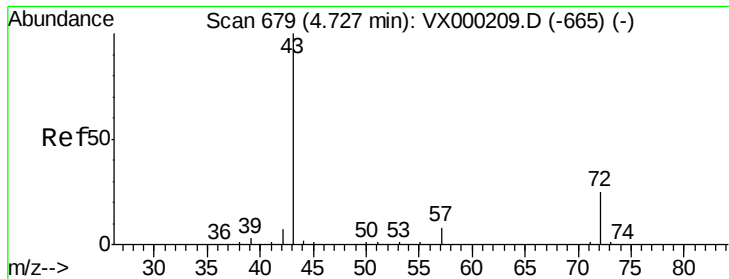


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 15.03 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

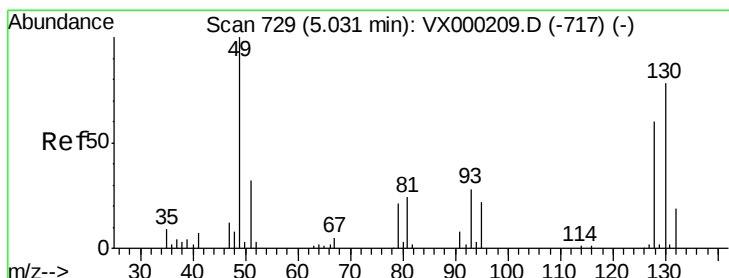
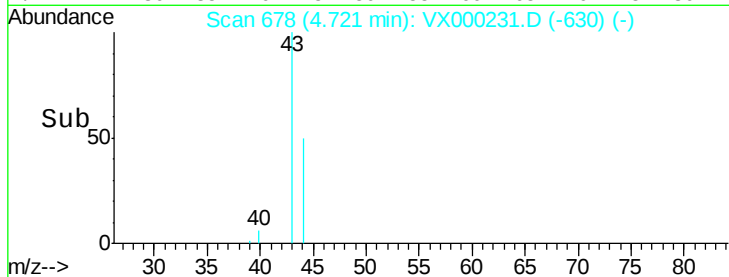
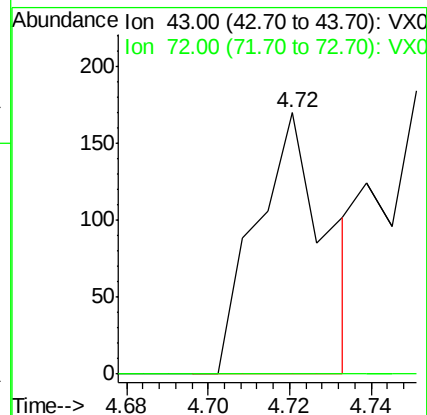
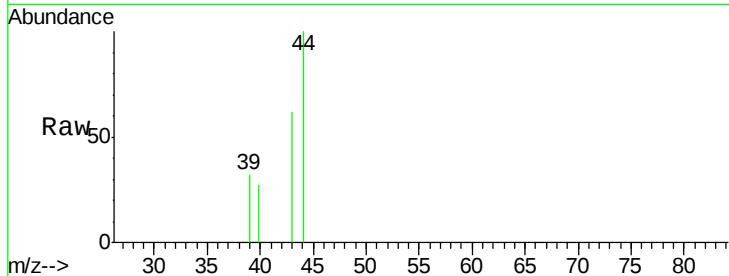
ClientSampleId :

Tot Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#28

Bromochloromethane

Concen: 3511.65 ug/l

RT: 5.04 min Scan# 730

Delta R.T. 0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

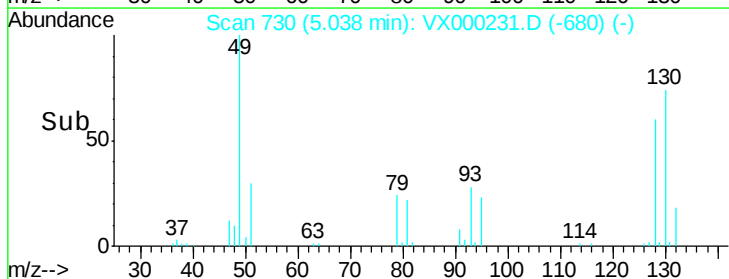
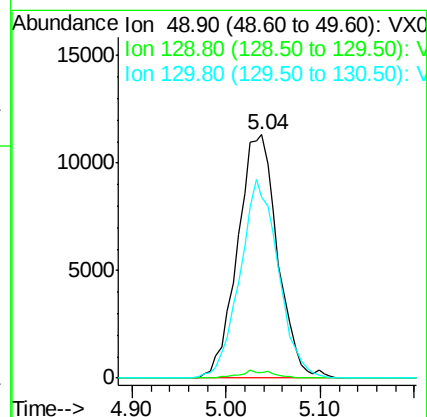
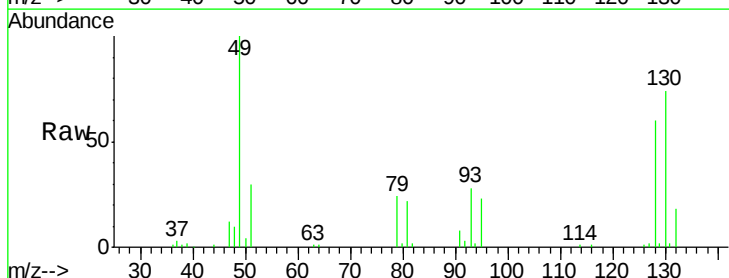
Tgt Ion: 49 Resp: 33489

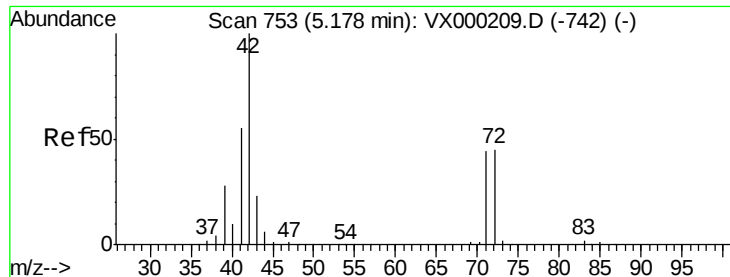
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

130 78.4 63.5 95.3

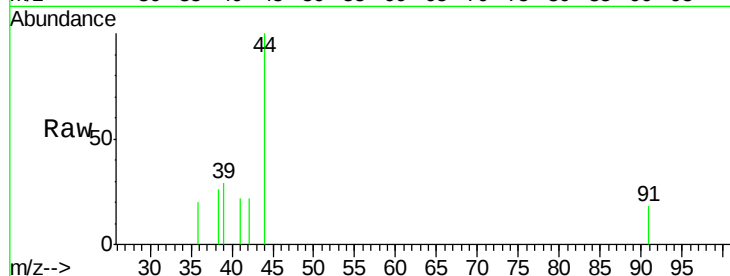




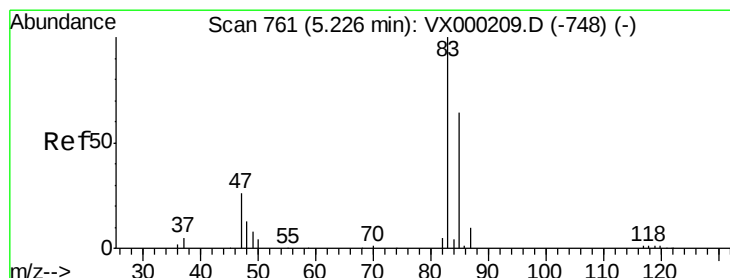
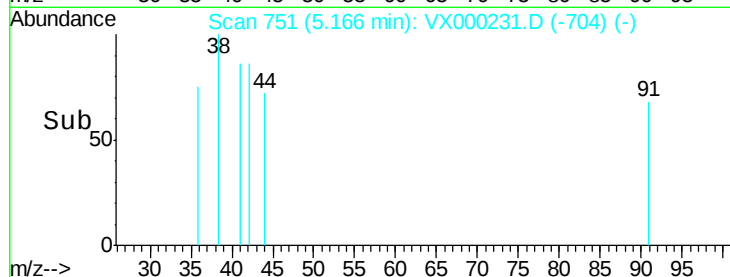
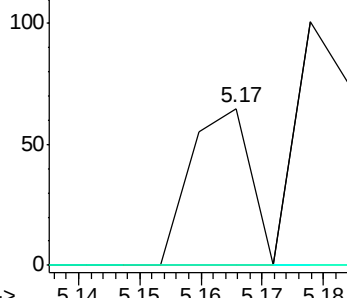
#29
Tetrahydrofuran
Concen: 5.21 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 44
Ion Ratio Lower Upper
42 100
72 0.0 37.3 55.9#
71 0.0 35.0 52.4#

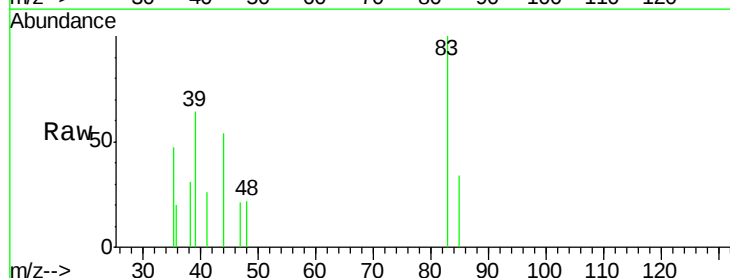


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

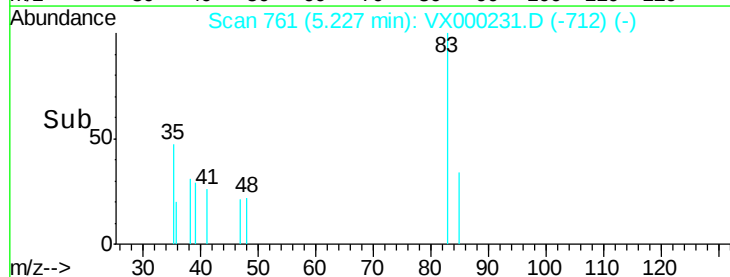
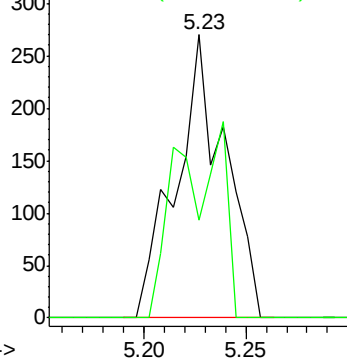


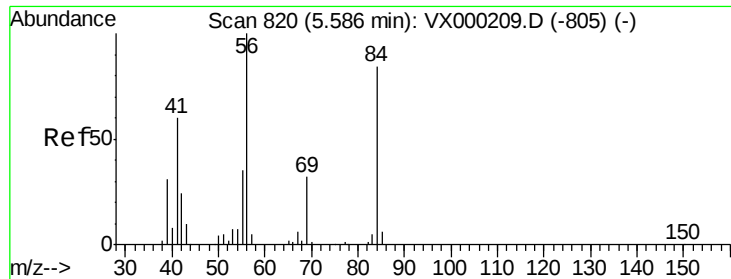
#30
Chloroform
Concen: 20.79 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 83 Resp: 451
Ion Ratio Lower Upper
83 100
85 34.4 51.0 76.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

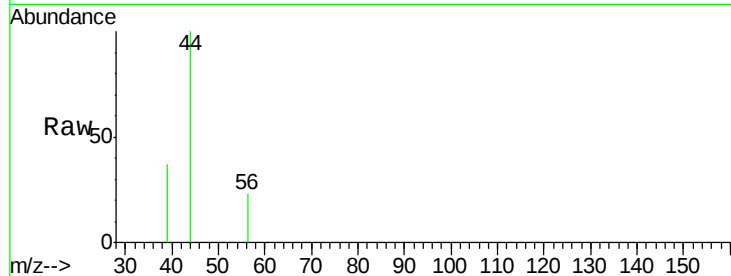




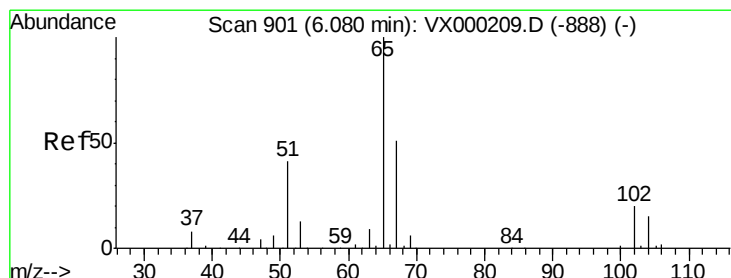
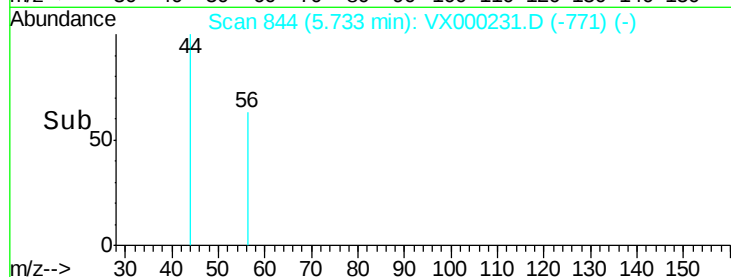
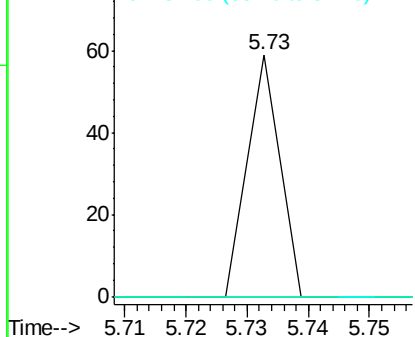
#31
Cyclohexane
Concen: 1.33 ug/l
RT: 5.73 min Scan# 844
Delta R.T. 0.15 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 0.0 67.2 100.8#

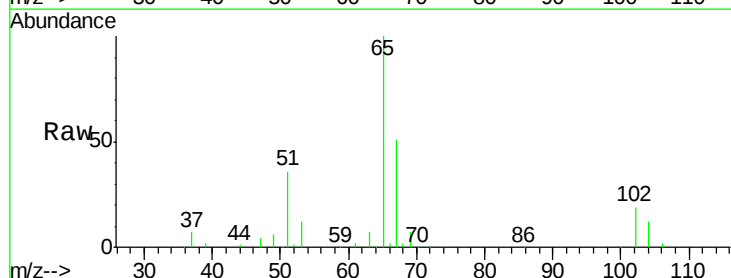


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

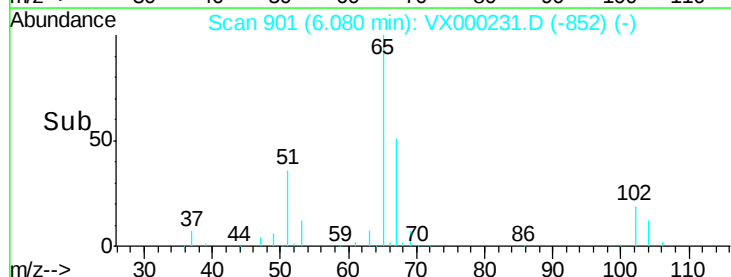
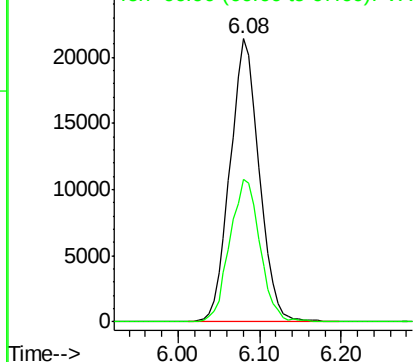


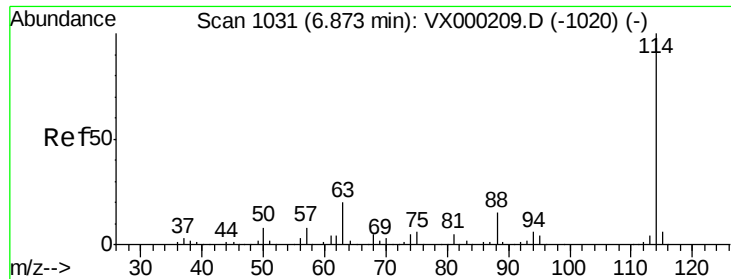
#33
1,2-Dichloroethane-d4
Concen: 3484.24 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 65 Resp: 52839
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :
MSVOA_X
ClientSampleId :

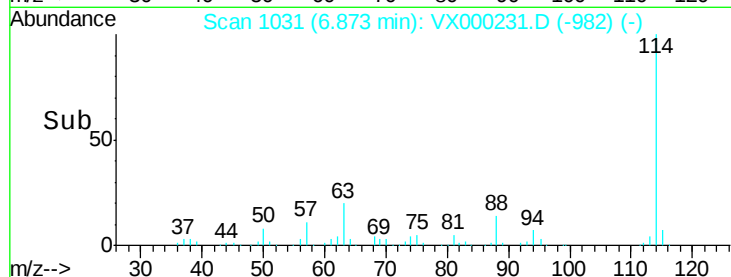
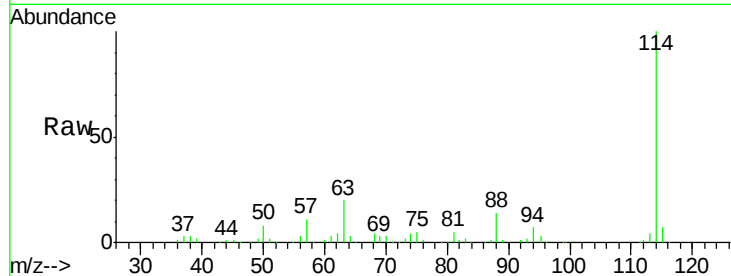
Tot Ion:114 Resp: 126101

Ion Ratio Lower Upper

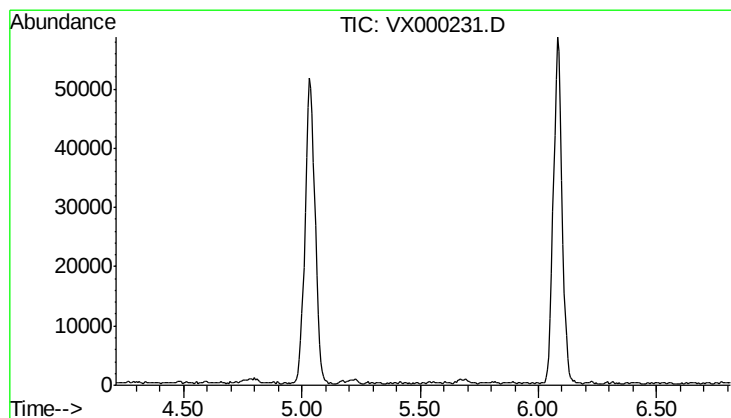
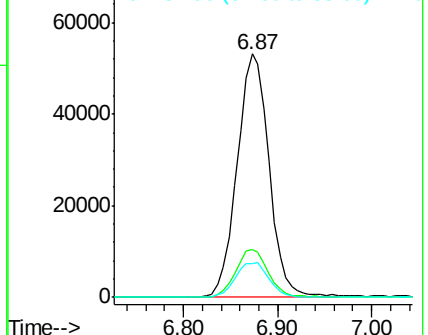
114 100

63 19.5 0.0 39.2

88 14.0 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 5.51 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

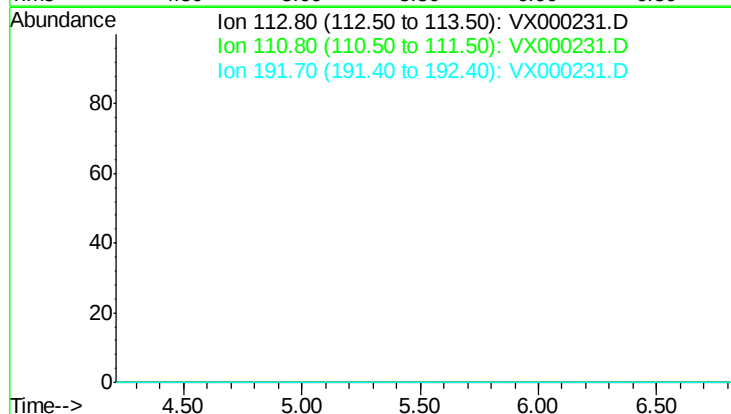
Tgt Ion: 113

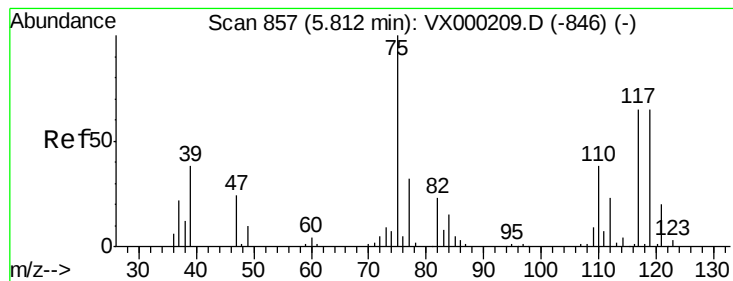
Sig Exp Ratio

113 100

111 103.8

192 19.4





#36

1,1-Dichloropropene

Concen: 0.20 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

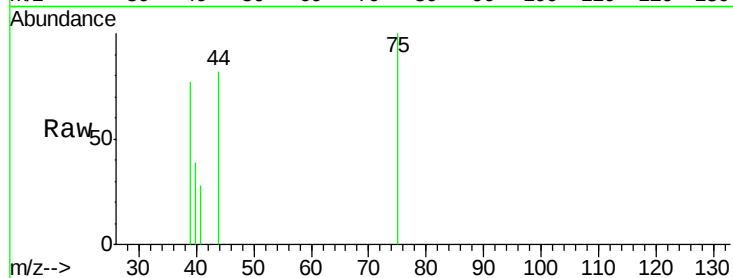
Tot Ion: 75 Resp: 227

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

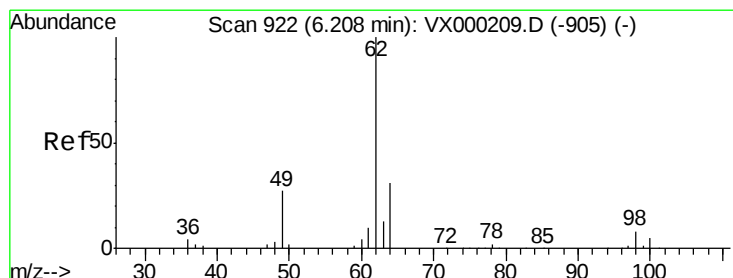
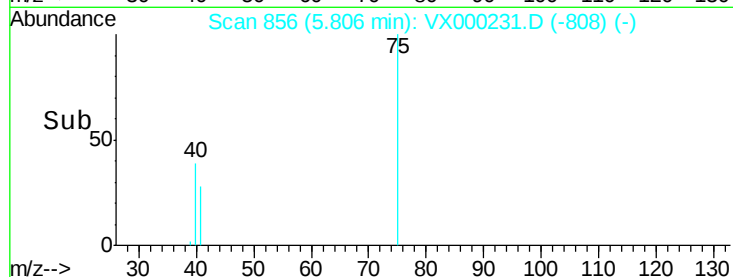
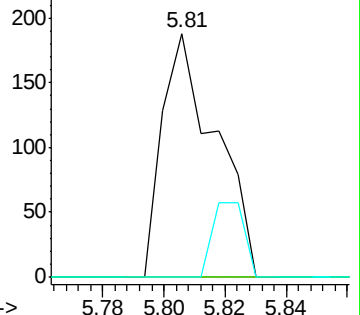
77 18.5 24.9 37.3#



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



#42

1,2-Dichloroethane

Concen: 0.22 ug/l

RT: 6.22 min Scan# 924

Delta R.T. 0.01 min

Lab File: VX000231.D

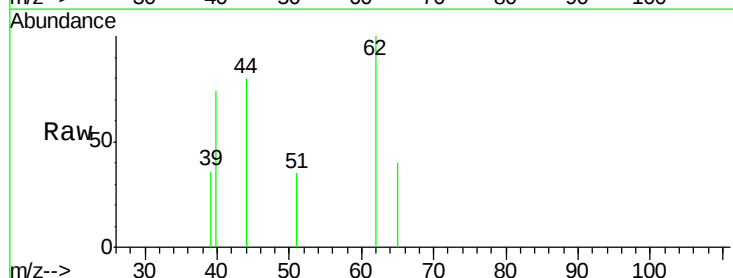
Acq: 08 Mar 2018 20:10

Tgt Ion: 62 Resp: 281

Ion Ratio Lower Upper

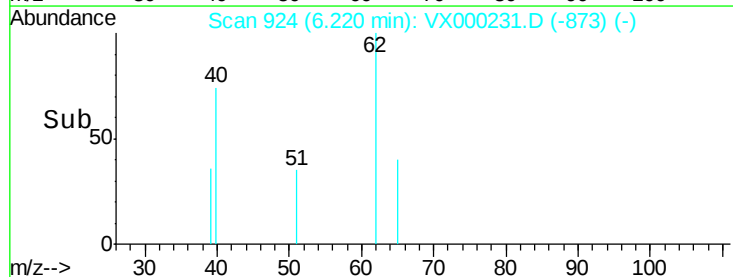
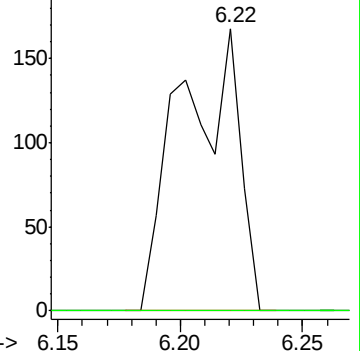
62 100

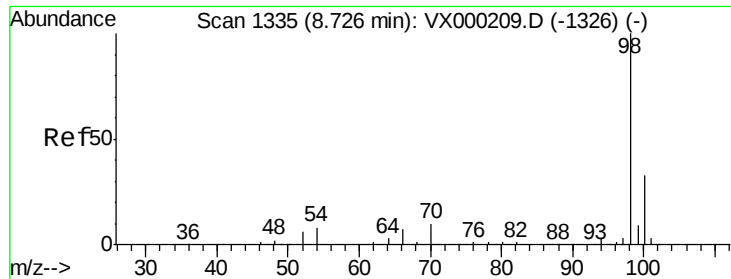
98 0.0 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

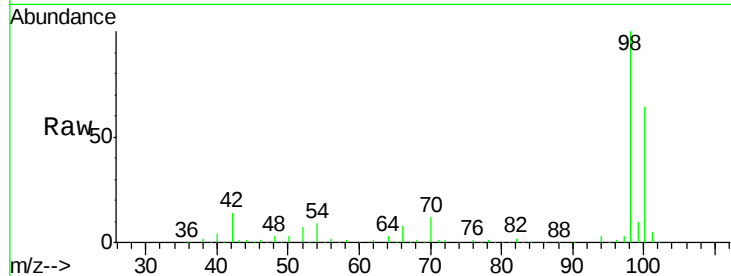




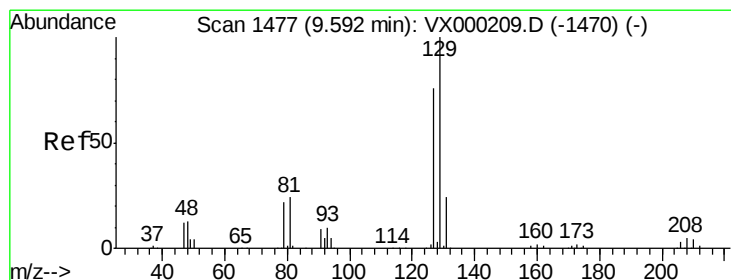
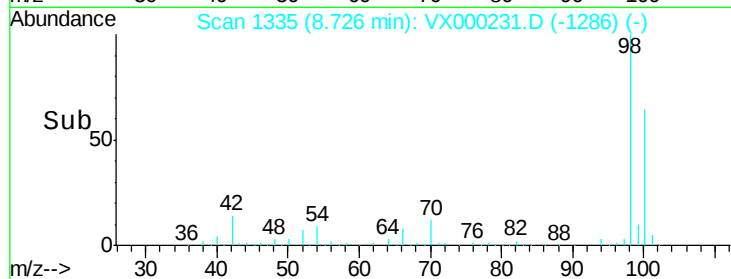
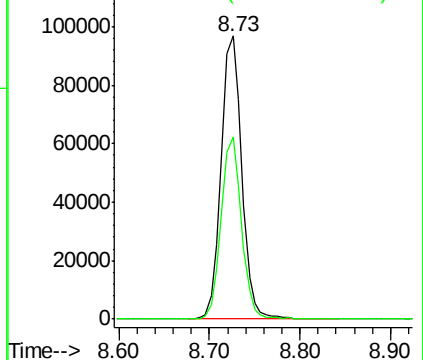
#50
Toluene-d8
Concen: 47.25 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 155028
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8

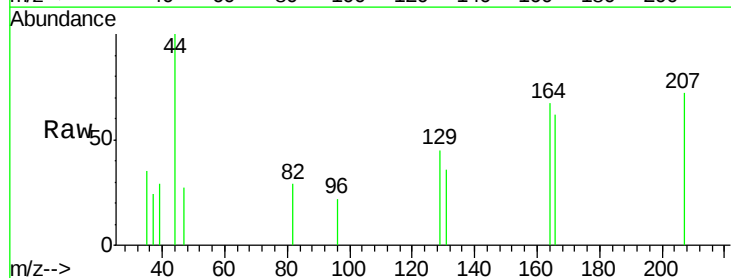


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

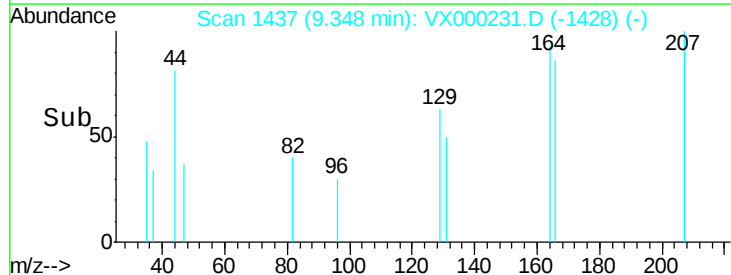
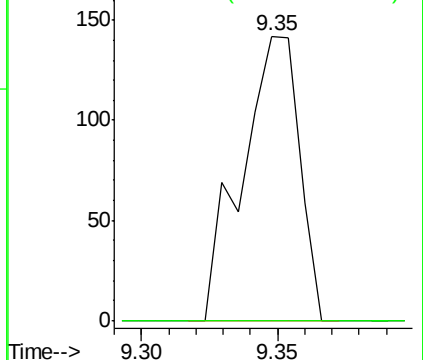


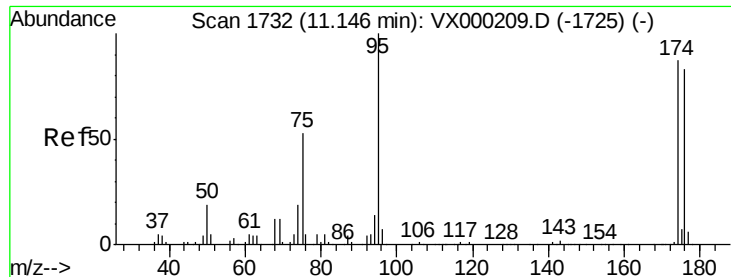
#60
Dibromochloromethane
Concen: 0.22 ug/l
RT: 9.35 min Scan# 1437
Delta R.T. -0.24 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion:129 Resp: 208
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

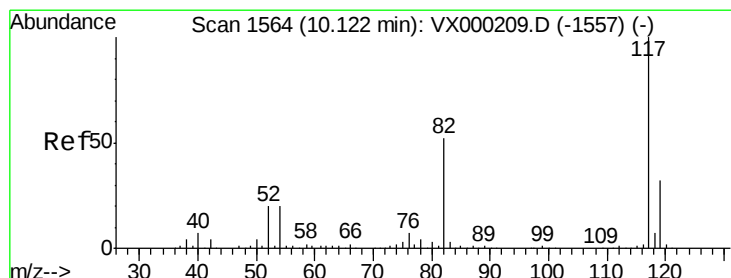
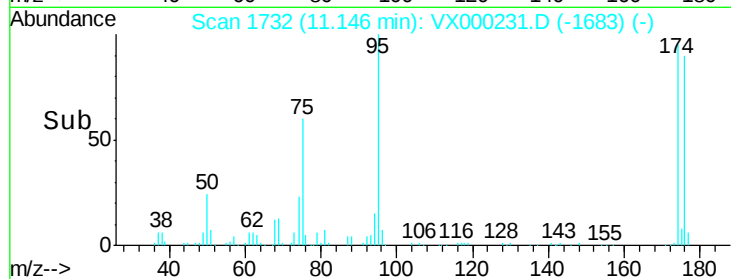
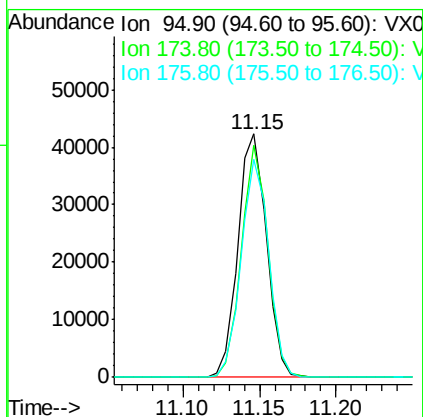
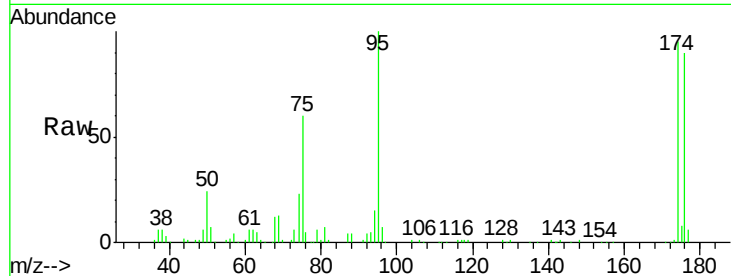




#62
4-Bromofluorobenzene
Concen: 42.77 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

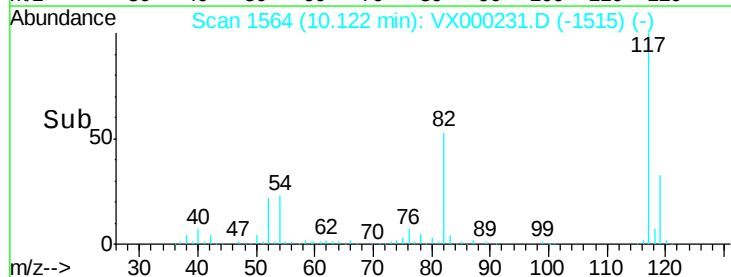
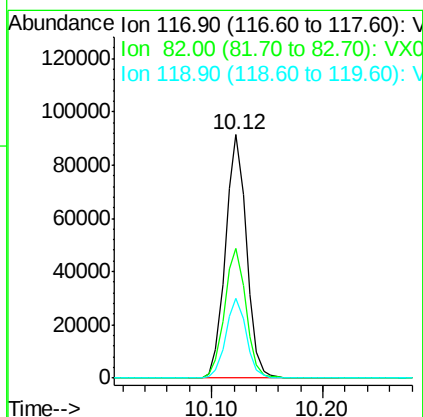
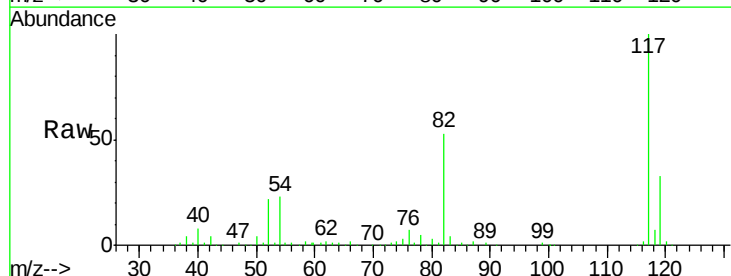
Instrument :
MSVOA_X
ClientSampleId :

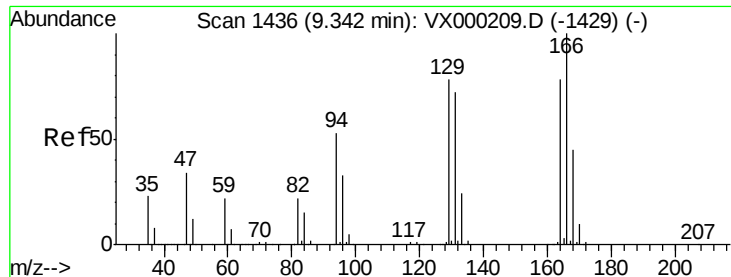
Tot Ion: 95 Resp: 54764
Ion Ratio Lower Upper
95 100
174 89.1 0.0 175.6
176 86.6 0.0 171.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000231.D
Acq: 08 Mar 2018 20:10

Tgt Ion: 117 Resp: 119565
Ion Ratio Lower Upper
117 100
82 53.3 42.0 63.0
119 32.9 25.3 37.9





#64

Tetrachloroethene

Concen: 0.39 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. 0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:164 Resp: 326

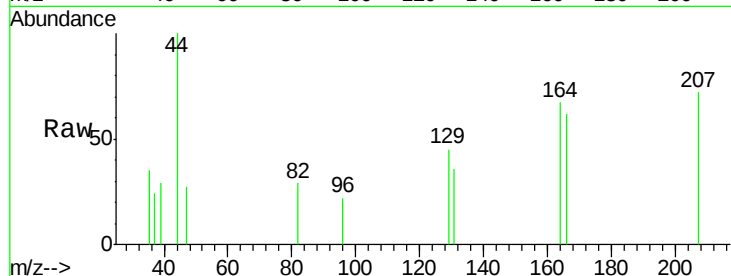
Ion Ratio Lower Upper

164 100

166 92.9 103.0 154.6#

129 67.6 80.2 120.4#

131 53.8 74.2 111.4#



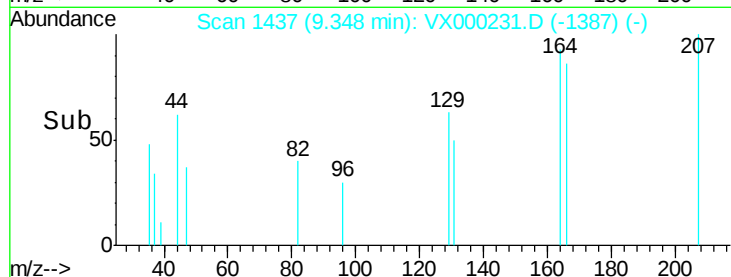
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

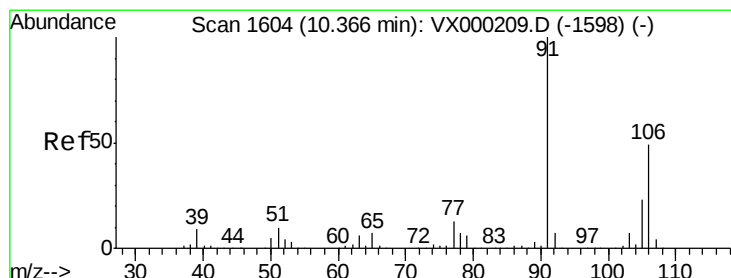
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#68

m/p-Xylenes

Concen: 0.31 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000231.D

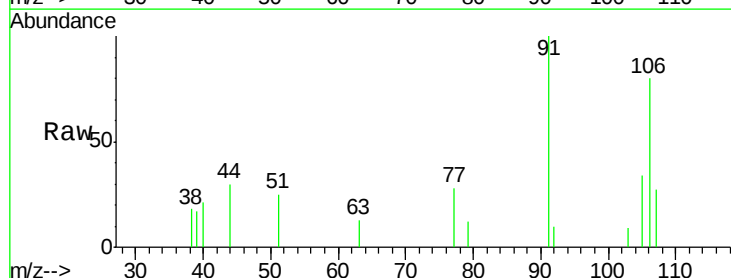
Acq: 08 Mar 2018 20:10

Tgt Ion:106 Resp: 503

Ion Ratio Lower Upper

106 100

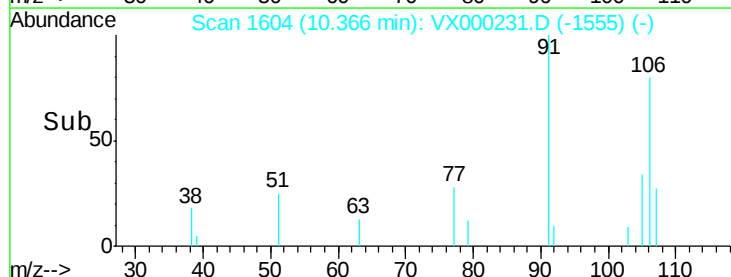
91 183.1 160.9 241.3



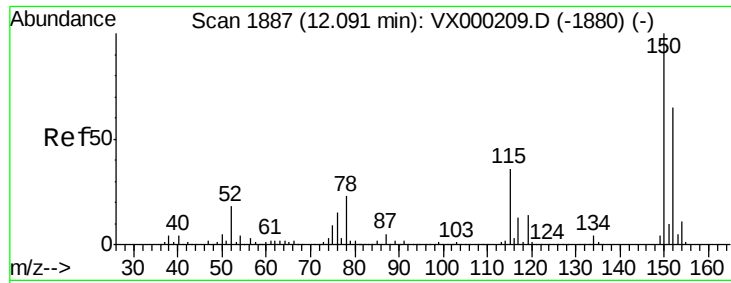
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

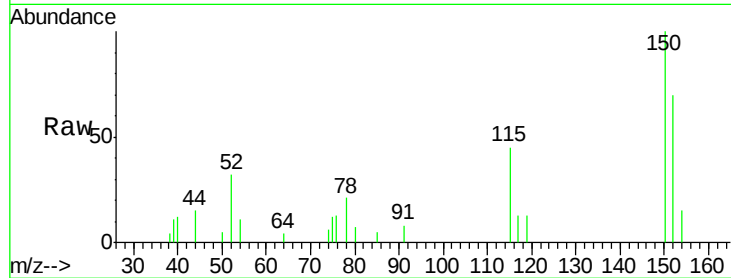
Tot Ion:152 Resp: 1204

Ion Ratio Lower Upper

152 100

115 67.3 39.8 119.3

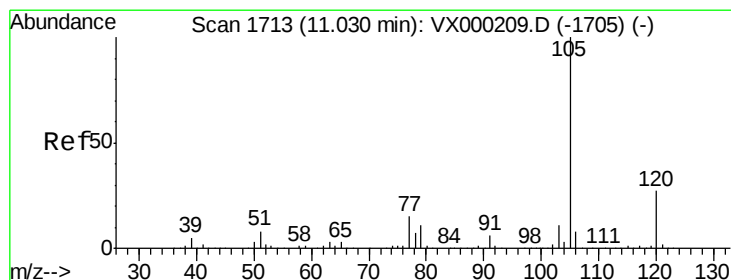
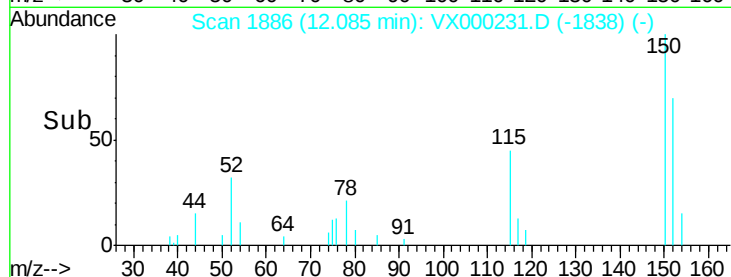
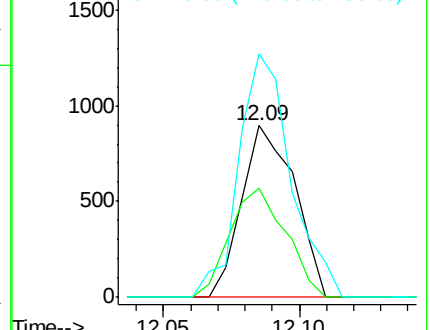
150 140.8 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 6.71 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX000231.D

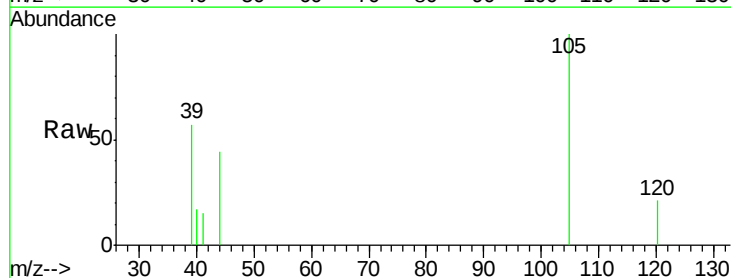
Acq: 08 Mar 2018 20:10

Tgt Ion:105 Resp: 506

Ion Ratio Lower Upper

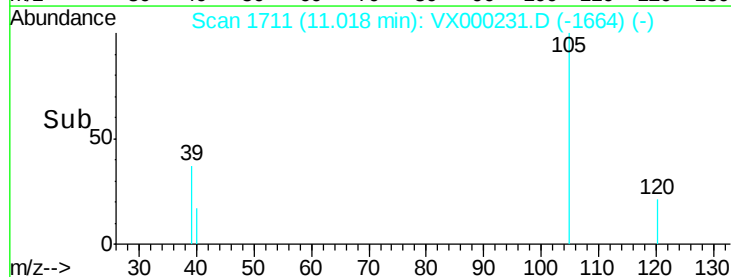
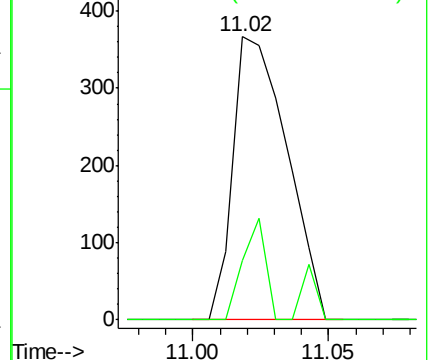
105 100

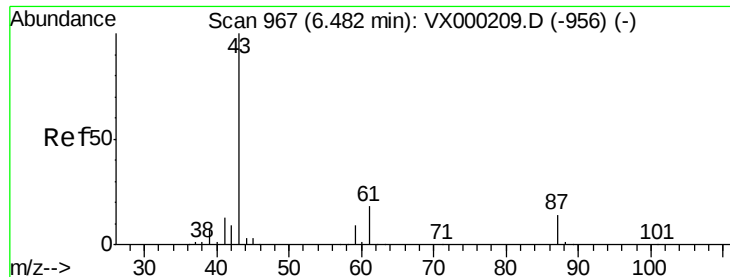
120 15.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.27 ug/l

RT: 6.51 min Scan# 971

Delta R.T. 0.02 min

Lab File: VX000231.D

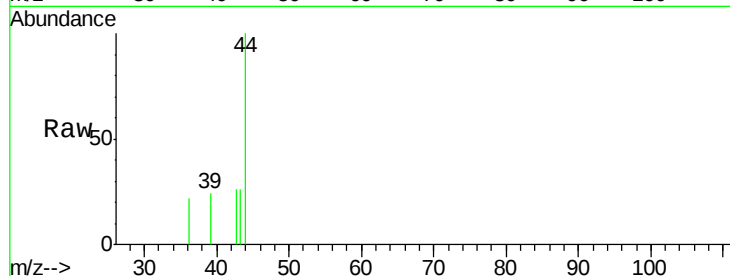
Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	49
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.8	22.2#

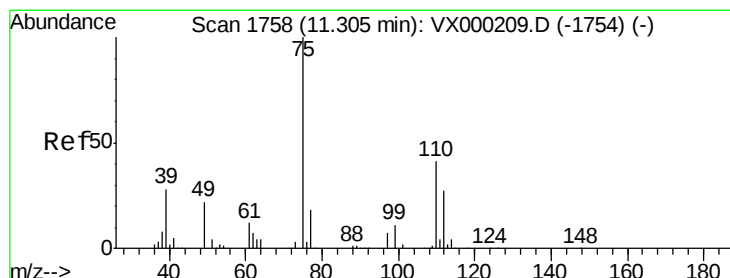
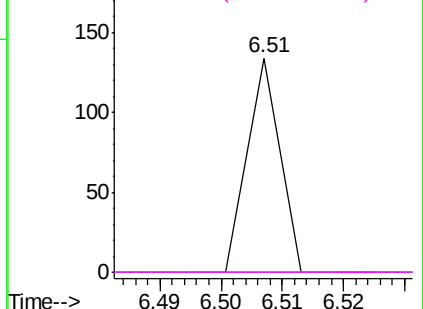
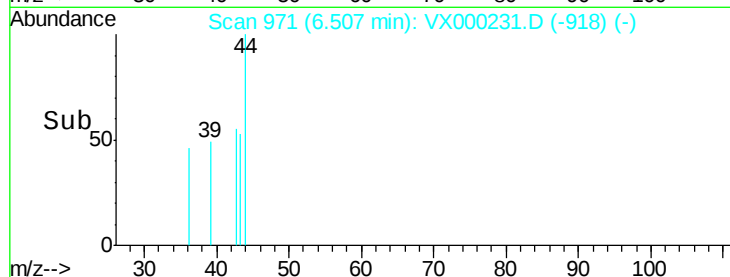


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 1329.53 ug/l

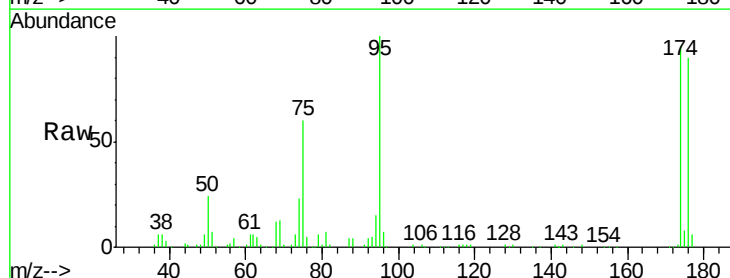
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000231.D

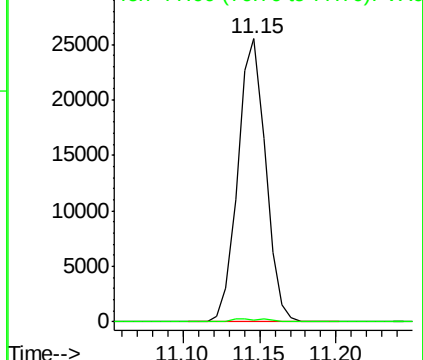
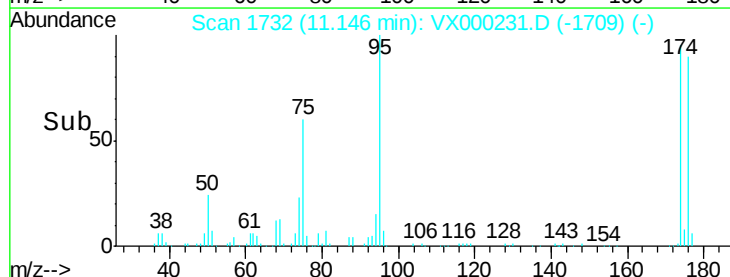
Acq: 08 Mar 2018 20:10

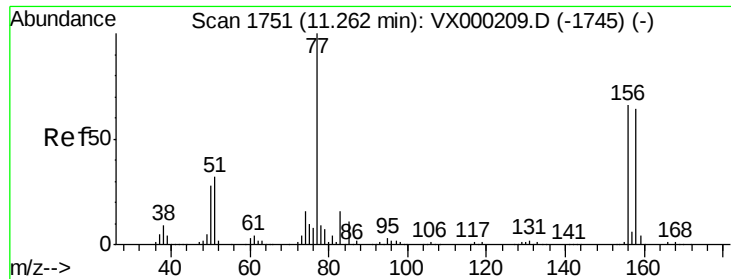
Tgt Ion:	75	Resp:	32088
Ion	Ratio	Lower	Upper
75	100		
77	1.3	22.3	66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 3.39 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampled :

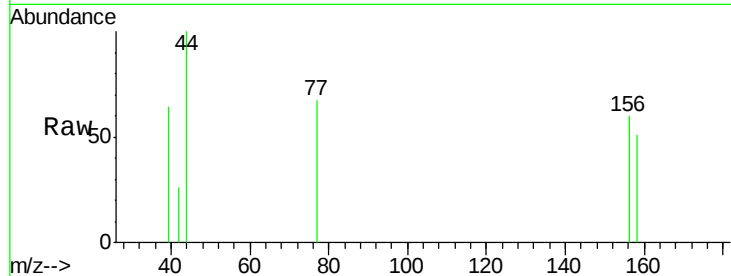
Tot Ion:156 Resp: 66

Ion Ratio Lower Upper

156 100

77 368.2 71.9 215.7#

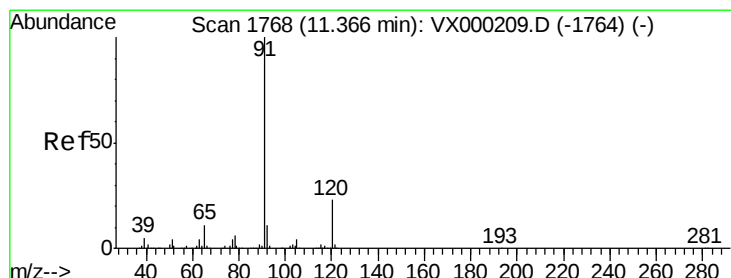
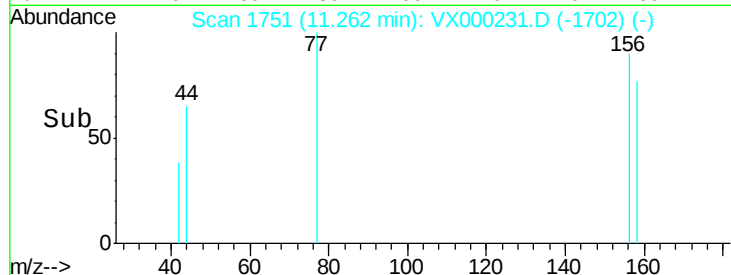
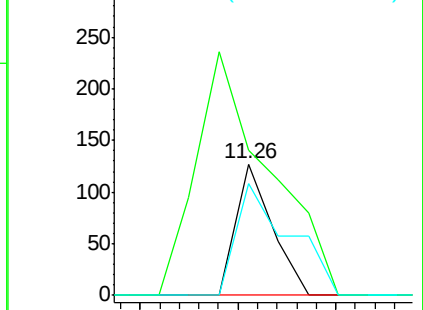
158 124.2 48.0 144.2



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: 9.43 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000231.D

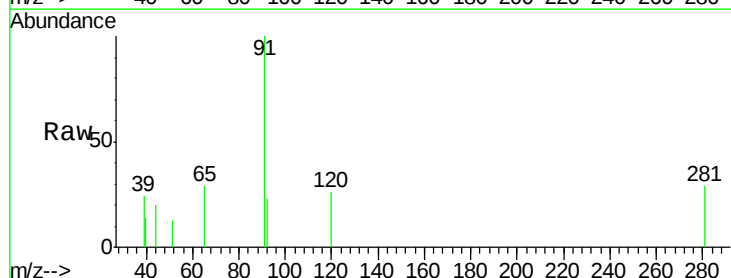
Acq: 08 Mar 2018 20:10

Tgt Ion: 91 Resp: 837

Ion Ratio Lower Upper

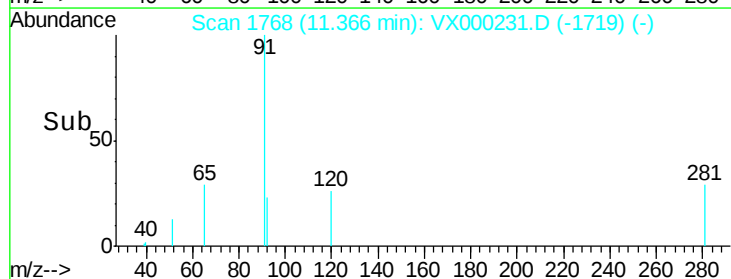
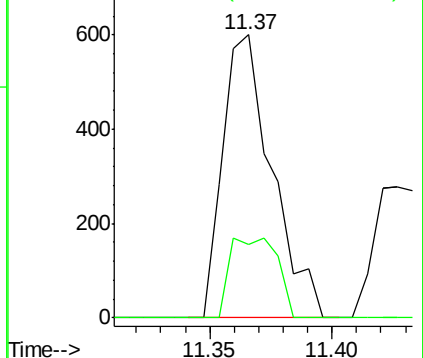
91 100

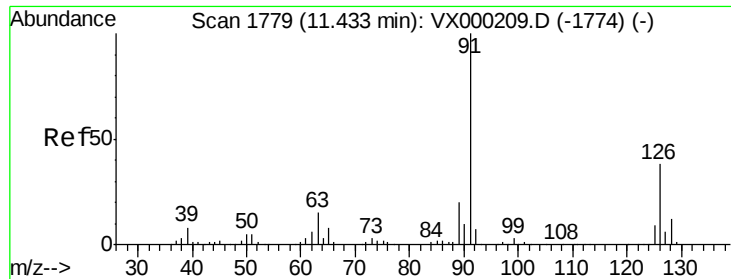
120 27.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

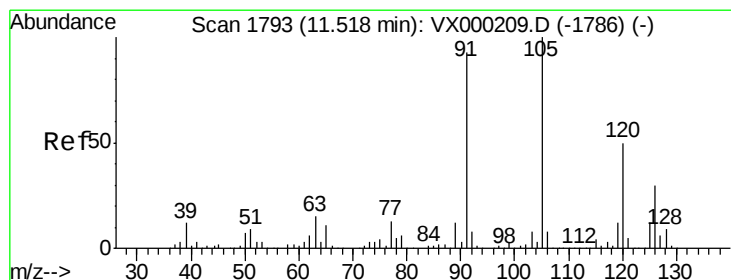
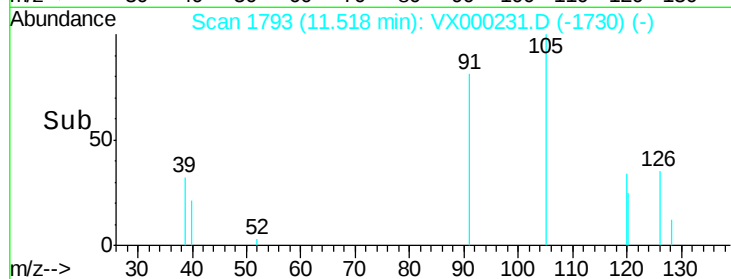
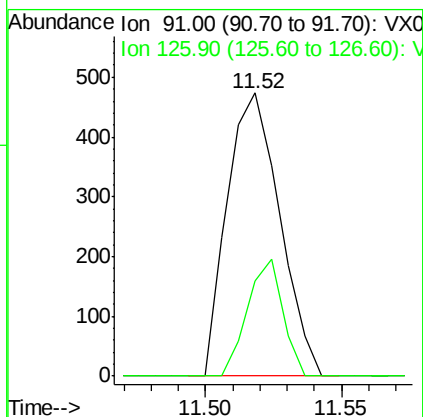
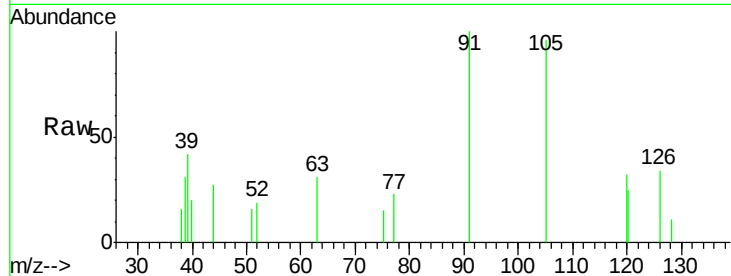




#79
 2-Chlorotoluene
 Concen: 12.65 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.09 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

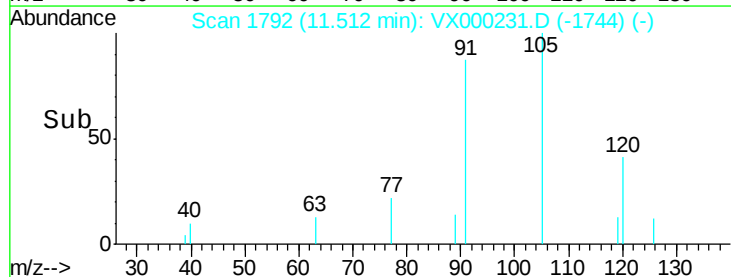
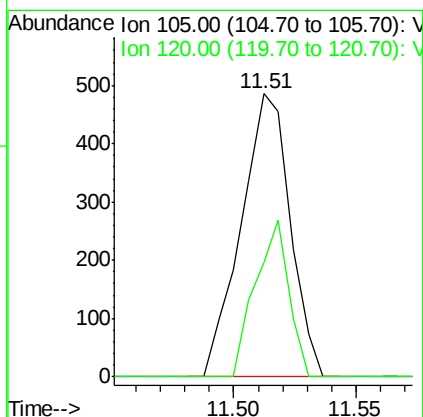
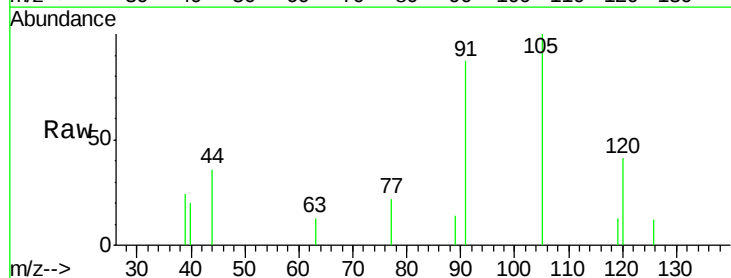
Instrument :
 MSVOA_X
 ClientSampled :

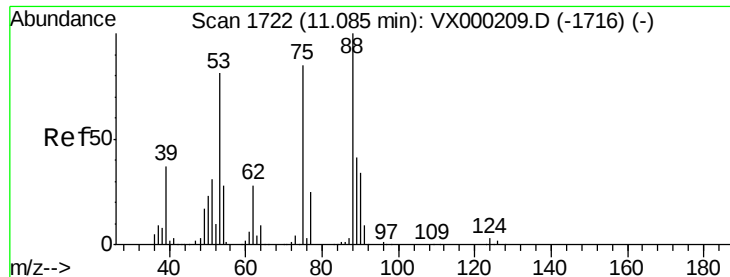
Tot Ion: 91 Resp: 633
 Ion Ratio Lower Upper
 91 100
 126 27.8 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 10.77 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

Tgt Ion: 105 Resp: 678
 Ion Ratio Lower Upper
 105 100
 120 37.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 4071.25 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

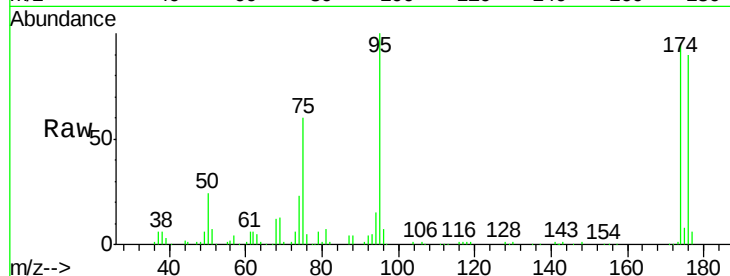
Tot Ion: 75 Resp: 32088

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

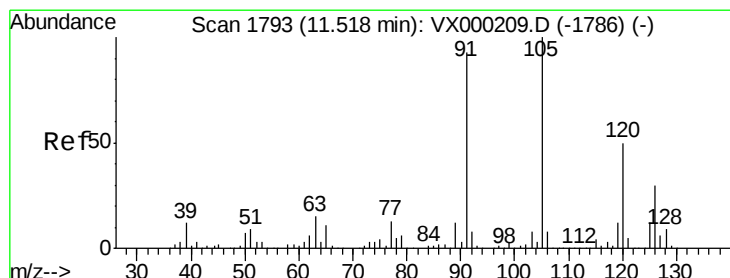
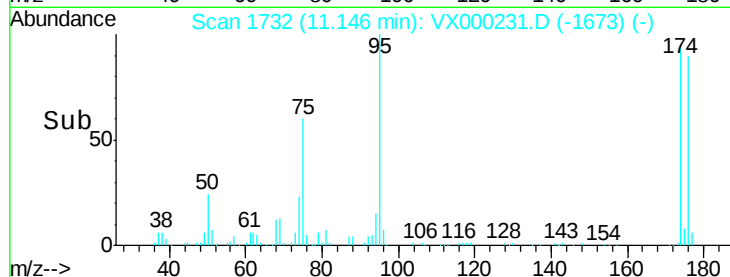
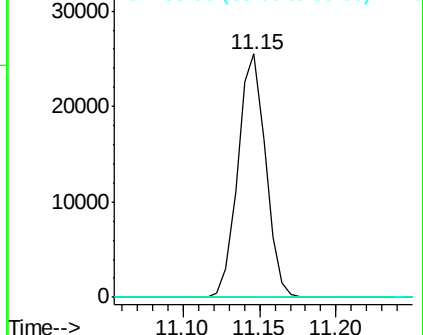
89 0.0 38.8 58.2#



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: 10.40 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000231.D

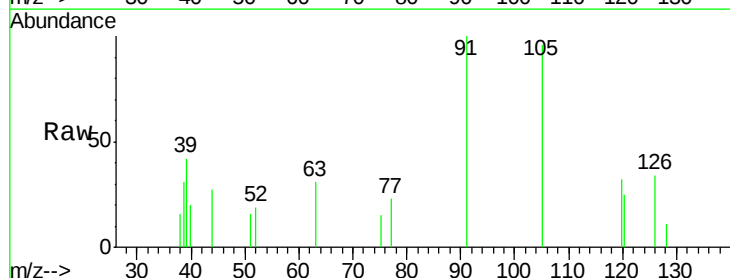
Acq: 08 Mar 2018 20:10

Tgt Ion: 91 Resp: 633

Ion Ratio Lower Upper

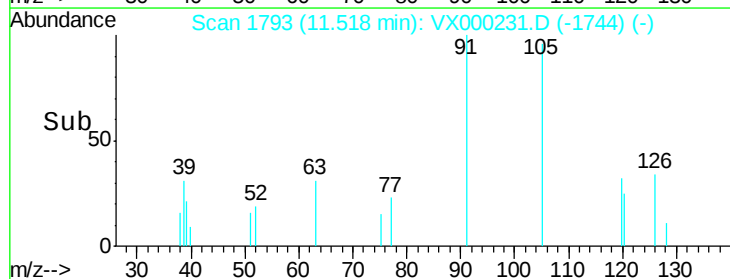
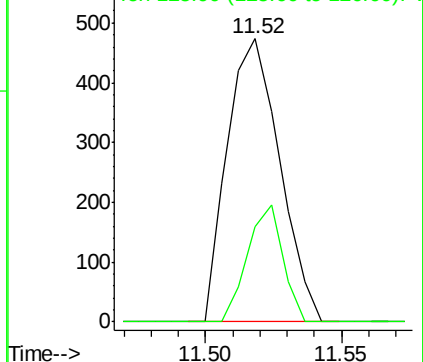
91 100

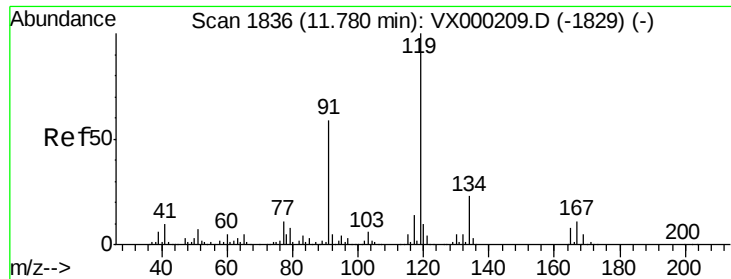
126 27.8 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

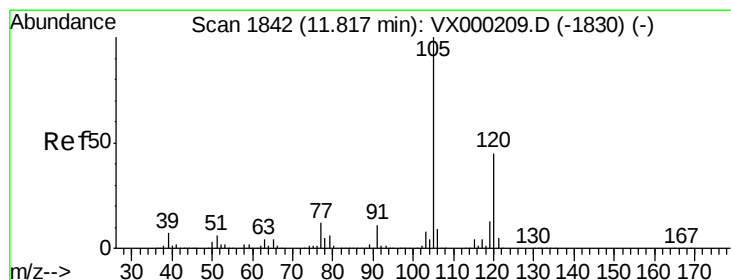
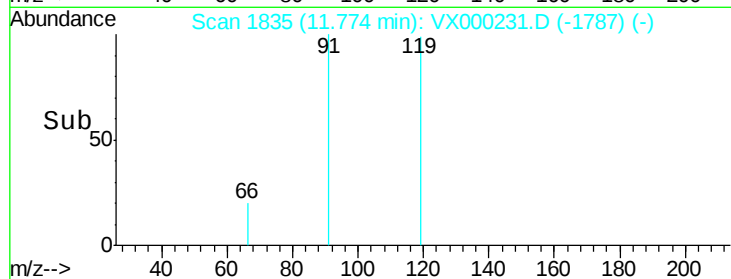
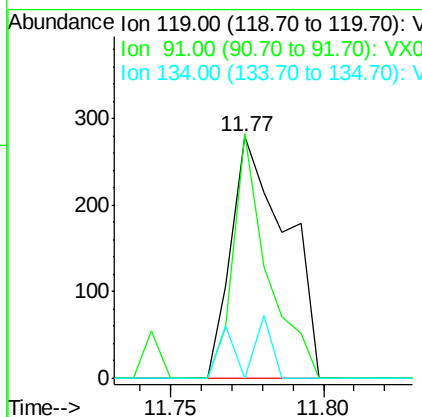
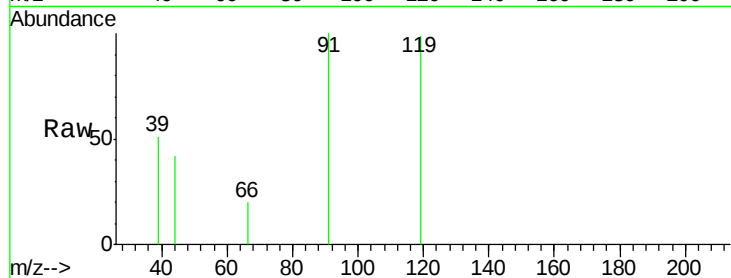




#83
 tert-Butylbenzene
 Concen: 5.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

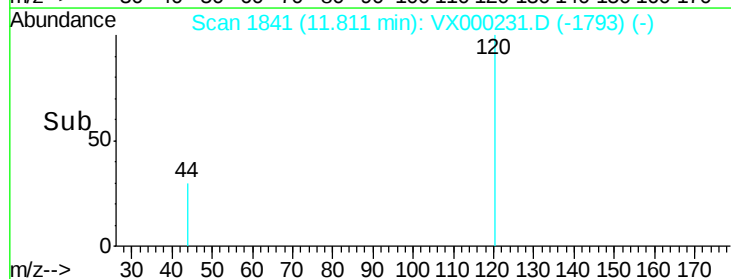
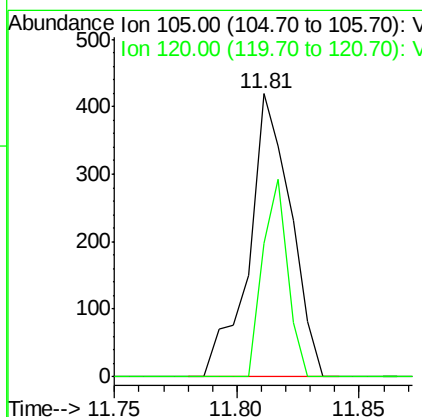
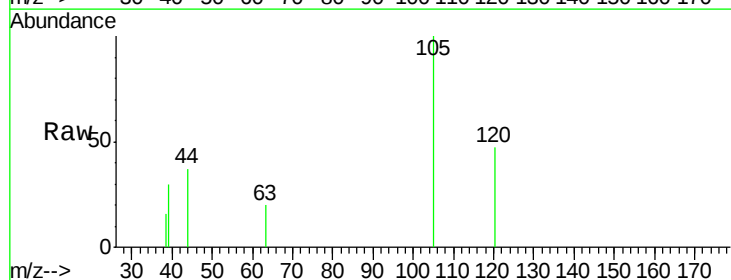
Instrument :
 MSVOA_X
 ClientSampled :

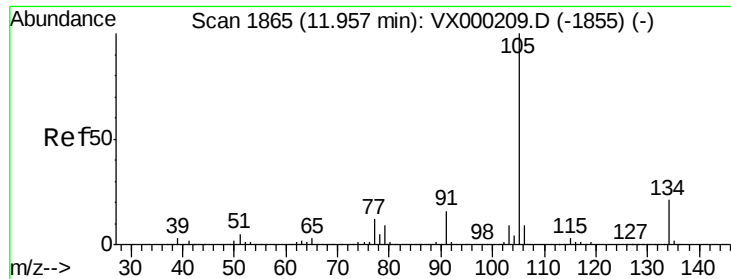
Tot Ion:119 Resp: 346
 Ion Ratio Lower Upper
 119 100
 91 62.7 28.9 86.7
 134 6.4 11.5 34.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 7.76 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

Tgt Ion:105 Resp: 502
 Ion Ratio Lower Upper
 105 100
 120 41.4 23.0 69.0

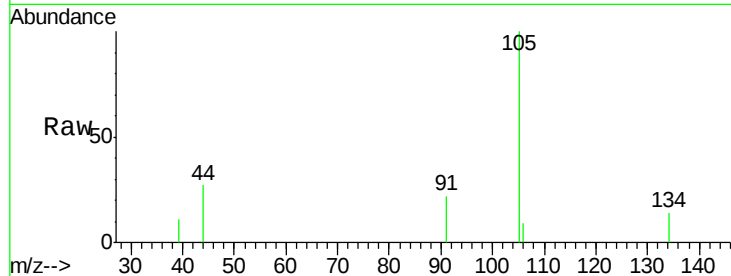




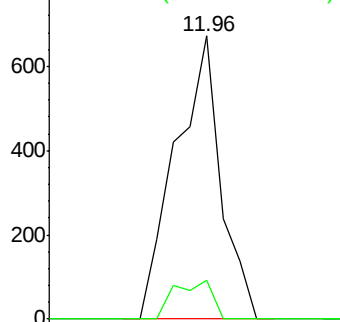
#85
 sec-Butylbenzene
 Concen: 9.99 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

Instrument :
 MSVOA_X
 ClientSampleId :

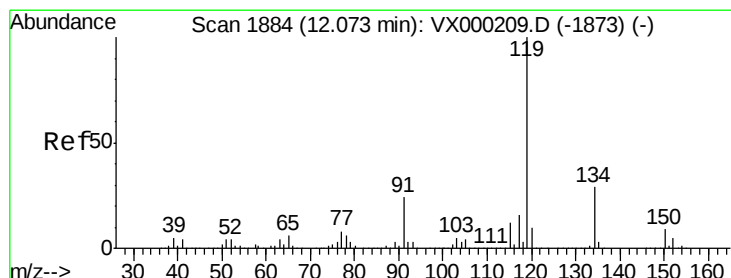
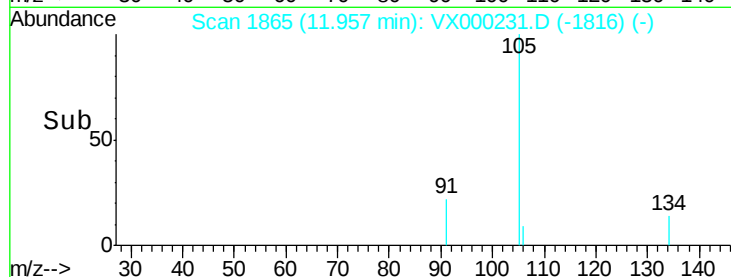
Tot Ion:105 Resp: 774
 Ion Ratio Lower Upper
 105 100
 134 11.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

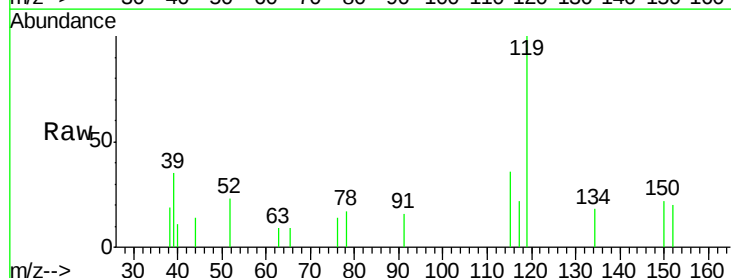


Time--> 11.90 11.95

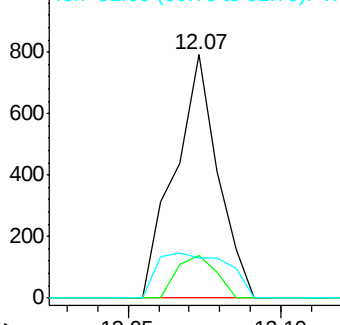


#86
 p-Isopropyltoluene
 Concen: 11.33 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

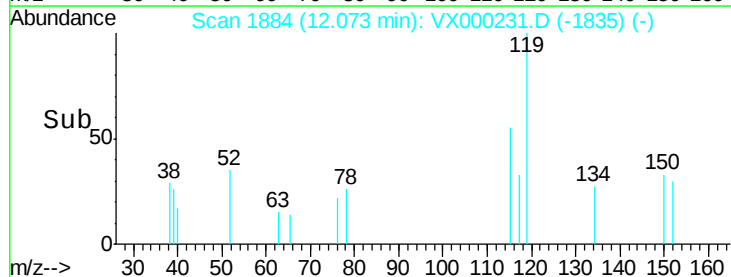
Tgt Ion:119 Resp: 774
 Ion Ratio Lower Upper
 119 100
 134 15.6 13.8 41.3
 91 30.1 12.0 36.0

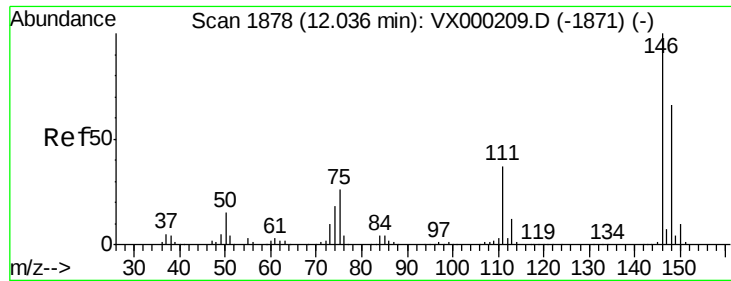


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



Time--> 12.05 12.10

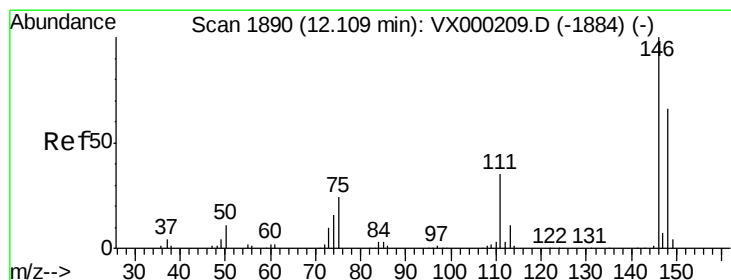
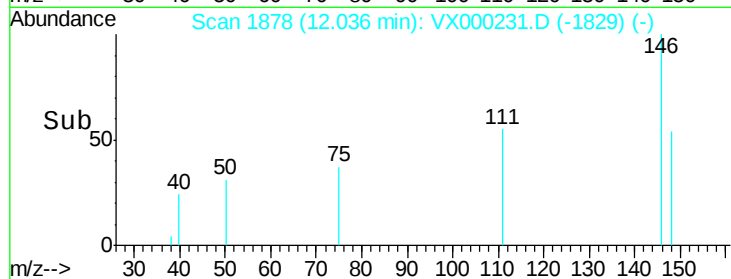
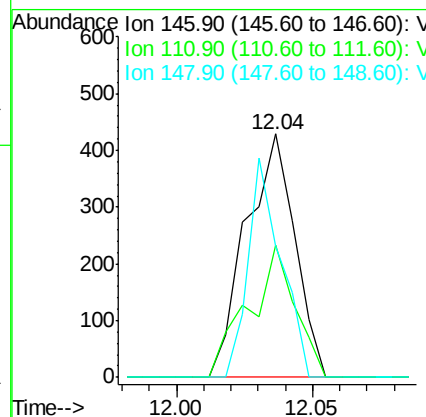
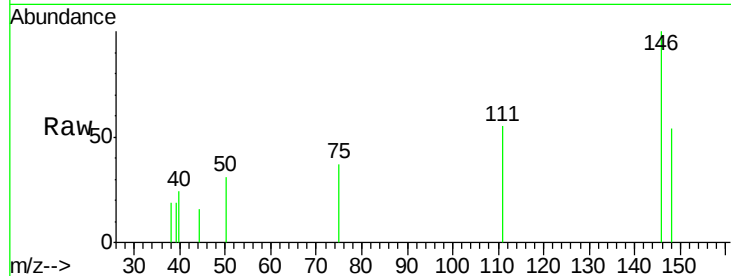




#87
 1,3-Dichlorobenzene
 Concen: 14.36 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

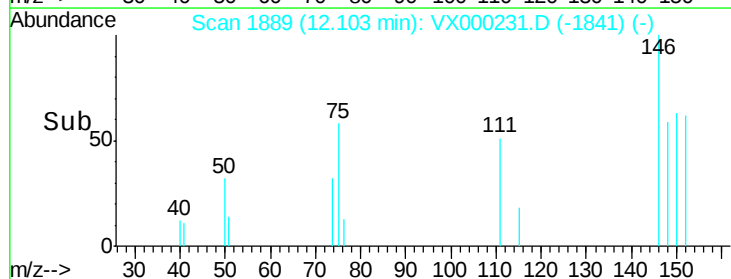
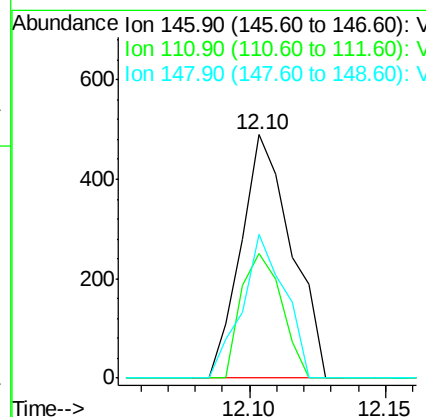
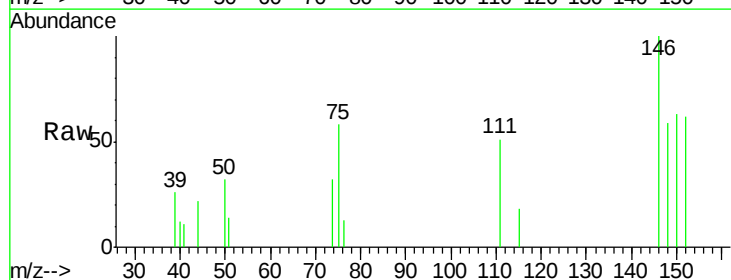
Instrument :
 MSVOA_X
 ClientSampled :

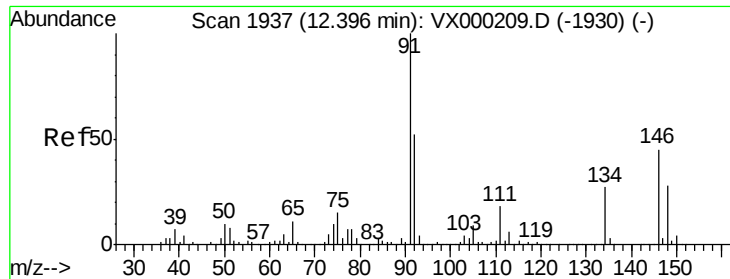
Tot Ion:146 Resp: 532
 Ion Ratio Lower Upper
 146 100
 111 51.5 19.0 57.0
 148 60.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 16.20 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

Tgt Ion:146 Resp: 629
 Ion Ratio Lower Upper
 146 100
 111 41.3 18.9 56.9
 148 49.8 32.6 97.8





#89

n-Butylbenzene

Concen: 16.64 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

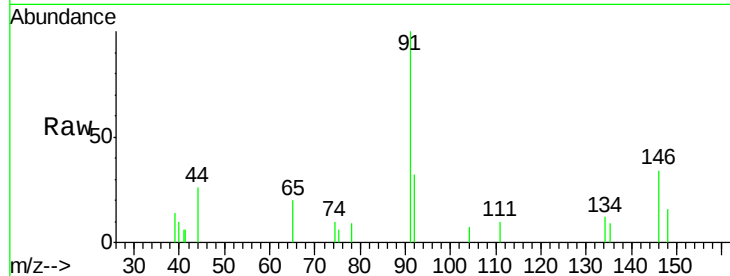
Tot Ion: 91 Resp: 1095

Ion Ratio Lower Upper

91 100

92 42.5 25.8 77.4

134 13.4 13.5 40.5#

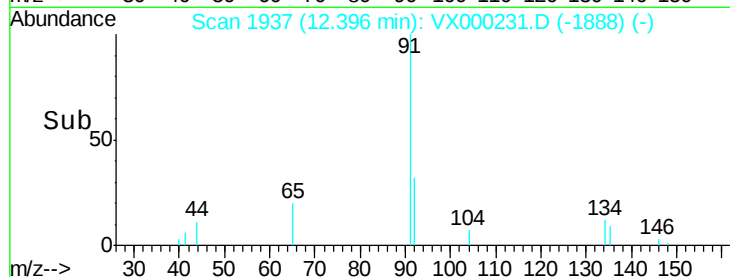


Abundance Ion 91.00 (90.70 to 91.70): VX000209.D (-1930) (-)

Ion 92.00 (91.70 to 92.70): VX000209.D (-1930) (-)

Ion 134.00 (133.70 to 134.70): VX000209.D (-1930) (-)

Time--> 12.35 12.40

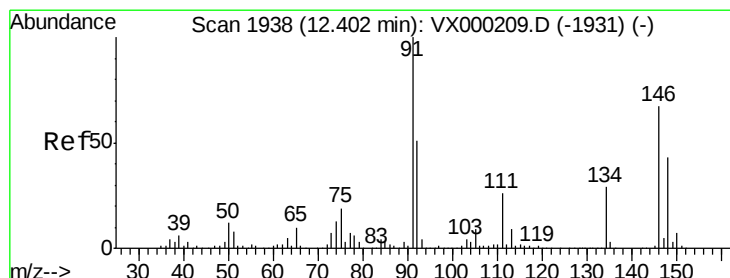


Abundance Ion 91.00 (90.70 to 91.70): VX000231.D (-1888) (-)

Ion 92.00 (91.70 to 92.70): VX000231.D (-1888) (-)

Ion 134.00 (133.70 to 134.70): VX000231.D (-1888) (-)

Time--> 12.35 12.40



#91

1,2-Dichlorobenzene

Concen: 10.03 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

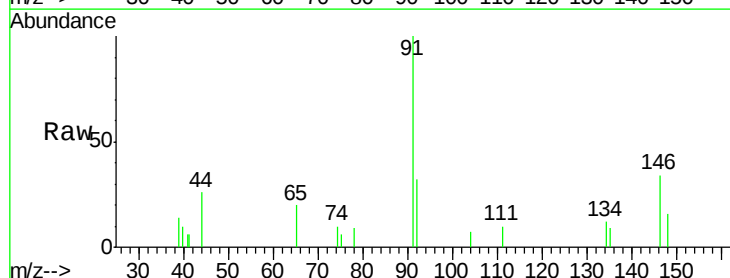
Tgt Ion: 146 Resp: 368

Ion Ratio Lower Upper

146 100

111 22.6 19.7 59.0

148 64.9 32.0 96.0

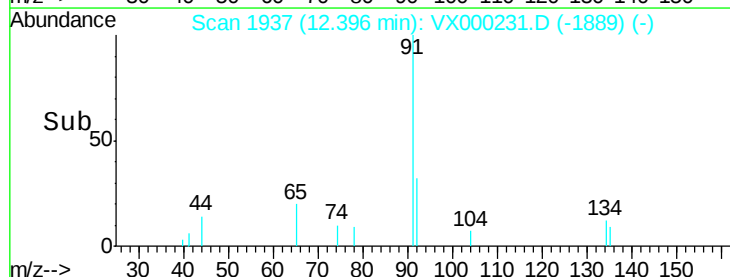


Abundance Ion 145.90 (145.60 to 146.60): VX000209.D (-1931) (-)

Ion 110.90 (110.60 to 111.60): VX000209.D (-1931) (-)

Ion 147.90 (147.60 to 148.60): VX000209.D (-1931) (-)

Time--> 12.35 12.40

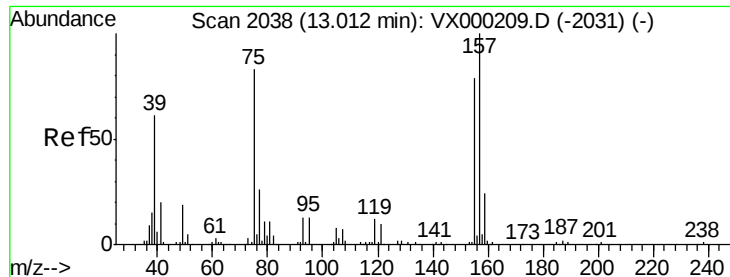


Abundance Ion 145.90 (145.60 to 146.60): VX000231.D (-1889) (-)

Ion 110.90 (110.60 to 111.60): VX000231.D (-1889) (-)

Ion 147.90 (147.60 to 148.60): VX000231.D (-1889) (-)

Time--> 12.35 12.40



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.23 ug/l

RT: 13.07 min Scan# 2048

Delta R.T. 0.06 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

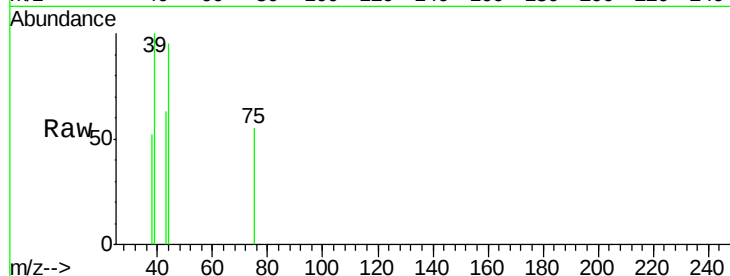
Tot Ion: 75 Resp: 24

Ion Ratio Lower Upper

75 100

155 0.0 45.5 136.5#

157 0.0 58.6 175.8#



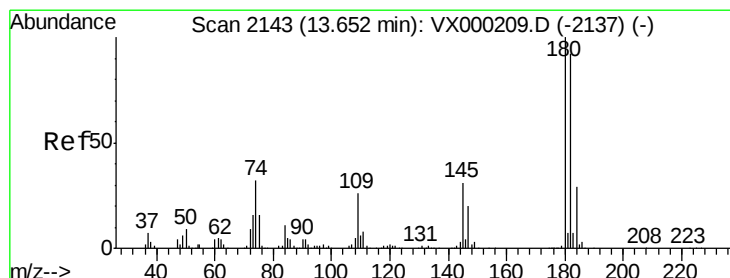
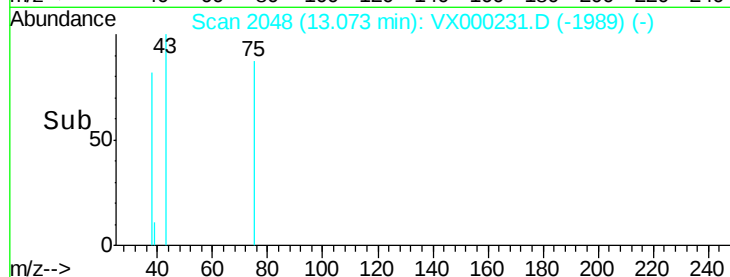
Abundance Ion 74.90 (74.60 to 75.60): VX000231.D (-1989) (-)

Ion 154.80 (154.50 to 155.50): VX000231.D (-1989) (-)

Ion 156.80 (156.50 to 157.50): VX000231.D (-1989) (-)

13.07

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 22.22 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

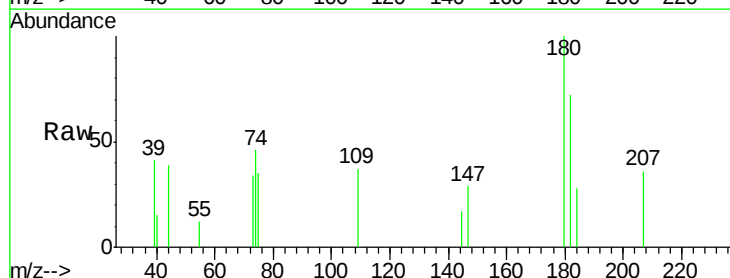
Tgt Ion: 180 Resp: 593

Ion Ratio Lower Upper

180 100

182 88.2 47.0 141.0

145 21.1 15.3 45.9



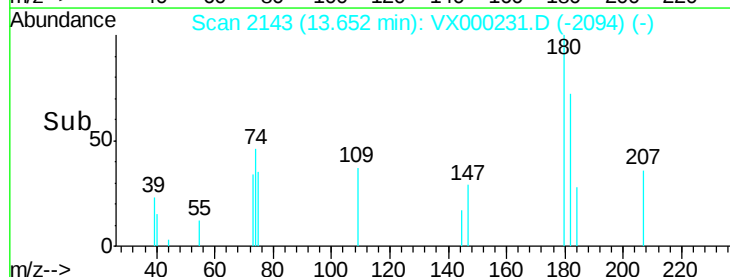
Abundance Ion 179.80 (179.50 to 180.50): VX000231.D (-2094) (-)

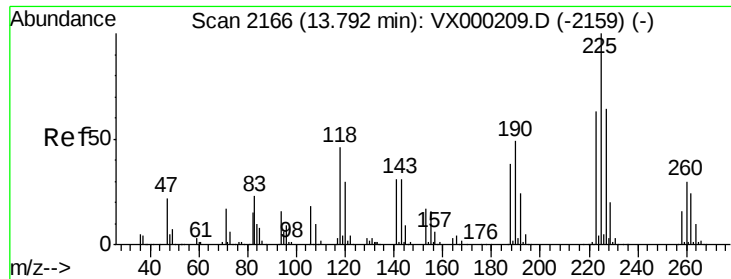
Ion 181.80 (181.50 to 182.50): VX000231.D (-2094) (-)

Ion 144.80 (144.50 to 145.50): VX000231.D (-2094) (-)

13.65

Time-->





#94

Hexachlorobutadiene

Concen: 27.28 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

Instrument :

MSVOA_X

ClientSampleId :

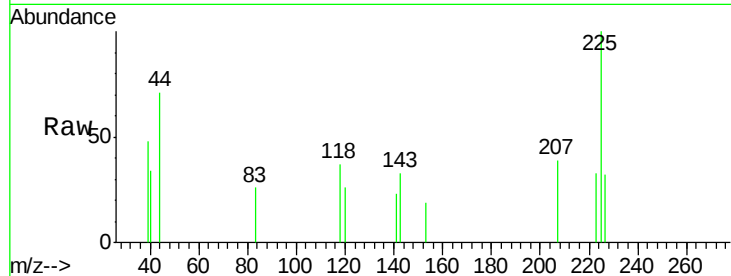
Tot Ion:225 Resp: 303

Ion Ratio Lower Upper

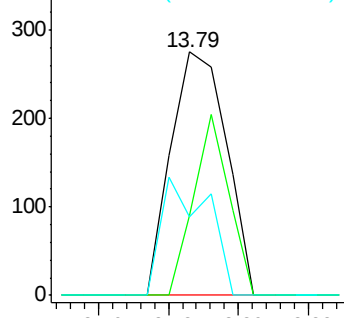
225 100

223 47.2 31.8 95.3

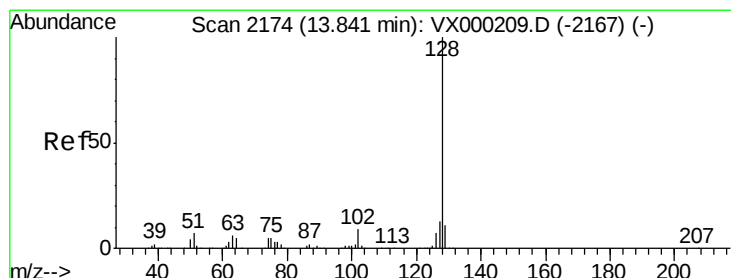
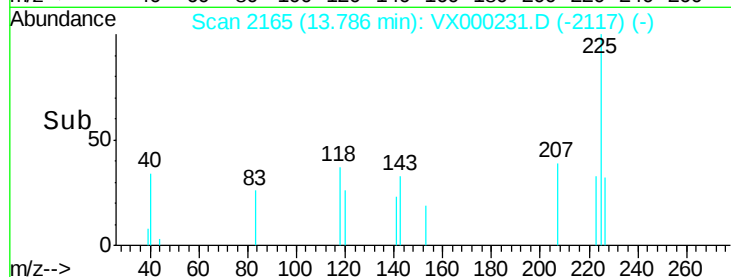
227 40.6 31.9 95.5



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



Time-->



#95

Naphthalene

Concen: 9.61 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000231.D

Acq: 08 Mar 2018 20:10

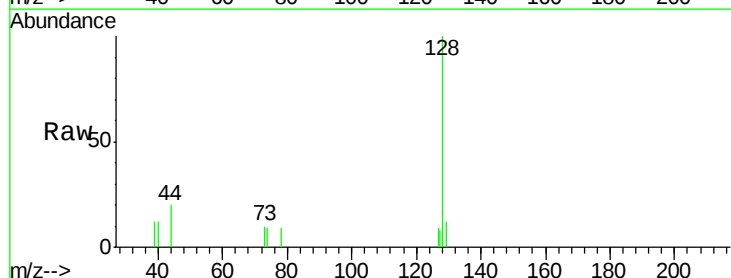
Tgt Ion:128 Resp: 895

Ion Ratio Lower Upper

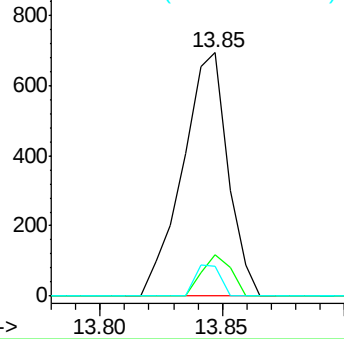
128 100

127 10.8 10.5 15.7

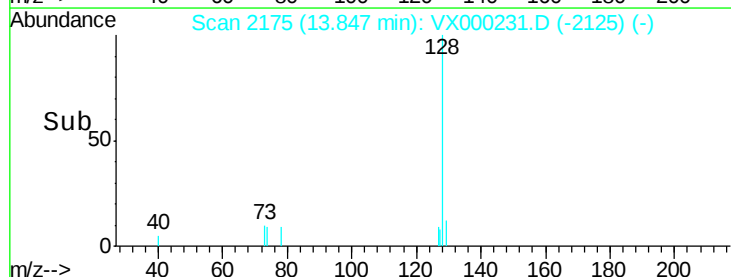
129 7.0 8.6 13.0#

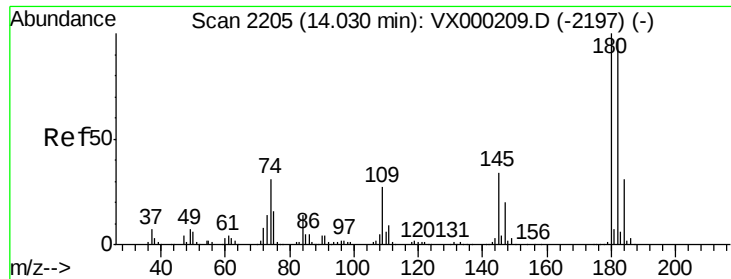


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 11.93 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: VX000231.D
 Acq: 08 Mar 2018 20:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	110.5	48.0	144.0
145	25.1	16.3	48.8

