

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005931.D
 Acq On : 13 Nov 2018 05:45
 Operator : JC/MD
 Sample : J5894-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DW-2

Quant Time: Nov 13 06:57:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	100695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	147087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	126022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	61685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	65697	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	5.50	113	48215	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	165809	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.14	95	56644	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

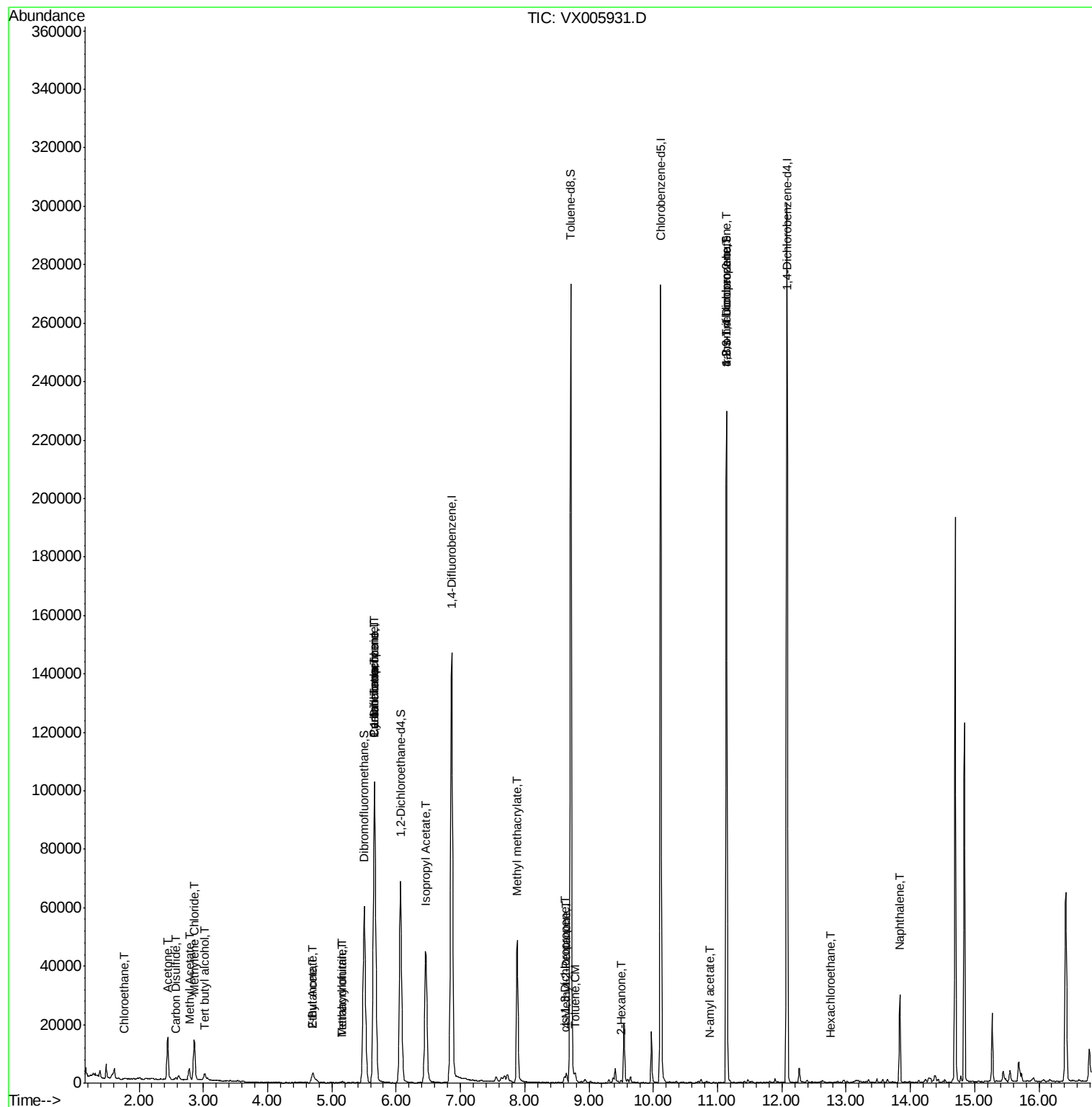
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	199	0.279	ug/l #	42
11) Tert butyl alcohol	3.02	59	1617	4.876	ug/l #	72
16) Acetone	2.45	43	15036	24.124	ug/l #	89
17) Carbon Disulfide	2.57	76	644	0.243	ug/l #	87
18) Methyl Acetate	2.78	43	4726	1.387	ug/l	100
20) Methylene Chloride	2.85	84	5887	5.750	ug/l	95
25) 2-Butanone	4.71	43	6286	6.415	ug/l #	85
29) Tetrahydrofuran	5.16	42	351	0.558	ug/l #	47
31) Cyclohexane	5.66	56	1765	1.094	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7038	4.963	ug/l #	49
37) Ethyl Acetate	4.71	43	6286	3.371	ug/l #	69
38) Carbon Tetrachloride	5.67	117	9140	6.439	ug/l #	15
41) Methacrylonitrile	5.16	41	240	0.238	ug/l #	29
43) Isopropyl Acetate	6.46	43	60469	22.380	ug/l	97
48) Methyl methacrylate	7.88	41	4724	3.894	ug/l #	45
51) 4-Methyl-2-Pentanone	8.65	43	2908	1.708	ug/l #	82
52) Toluene	8.79	92	540	0.234	ug/l	98
54) cis-1,3-Dichloropropene	8.62	75	292	0.204	ug/l #	71
59) 2-Hexanone	9.50	43	563	0.375	ug/l	96
74) N-amyl acetate	10.88	43	25	1.263	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	28718	22.864	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	28718	72.871	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	197	Below Cal		89
90) Hexachloroethane	12.76	117	115	0.207	ug/l #	2
95) Naphthalene	13.83	128	17823	5.099	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\
Data File : VX005931.D
Acq On : 13 Nov 2018 05:45
Operator : JC/MD
Sample : J5894-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DW-2

Quant Time: Nov 13 06:57:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

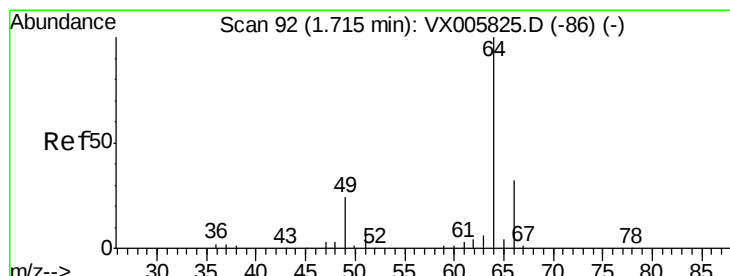
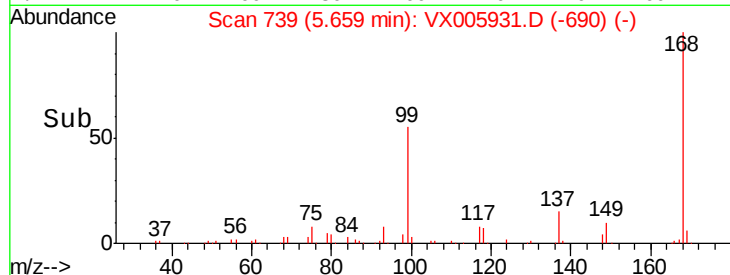
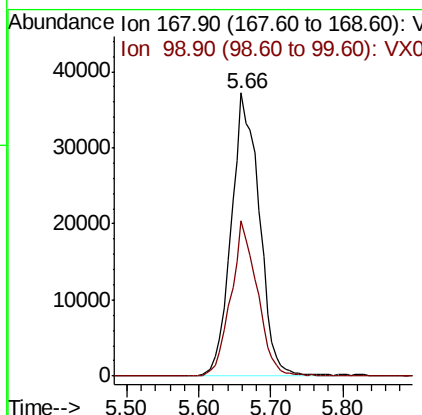
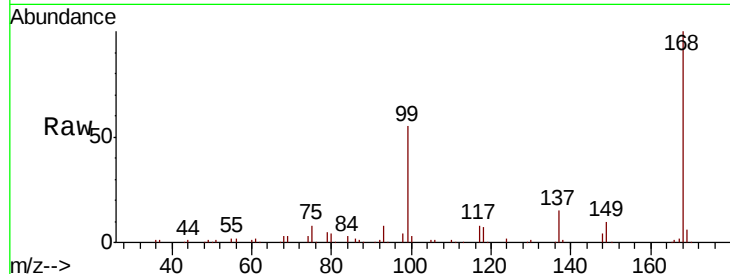




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

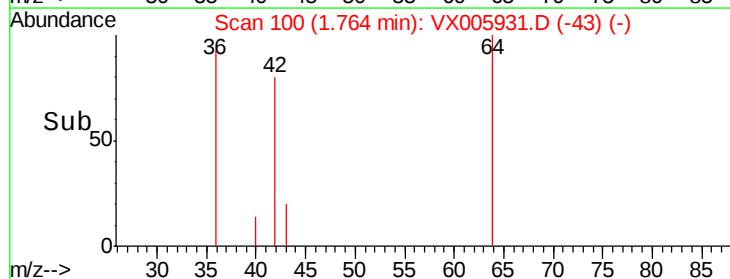
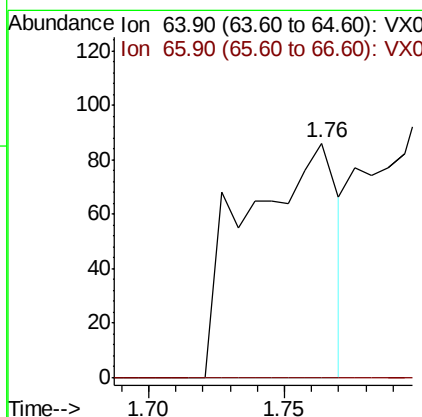
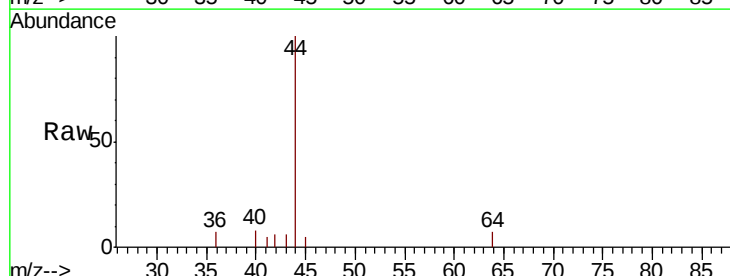
Instrument :
MSVOA_X
ClientSampleId :
DW-2

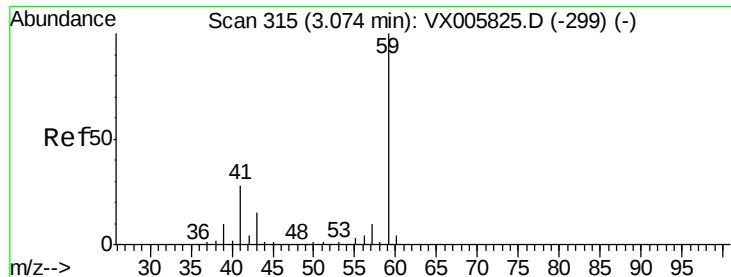
Tot Ion:168 Resp: 100695
Ion Ratio Lower Upper
168 100
99 54.8 40.7 61.1



#6
Chloroethane
Concen: 0.279 ug/l
RT: 1.76 min Scan# 100
Delta R.T. 0.05 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion: 64 Resp: 199
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#

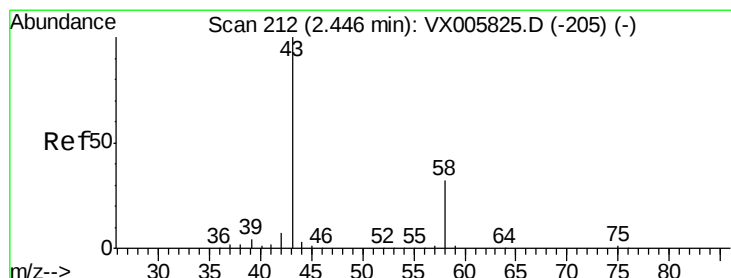
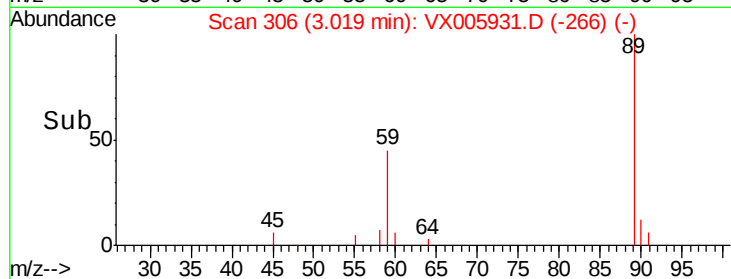
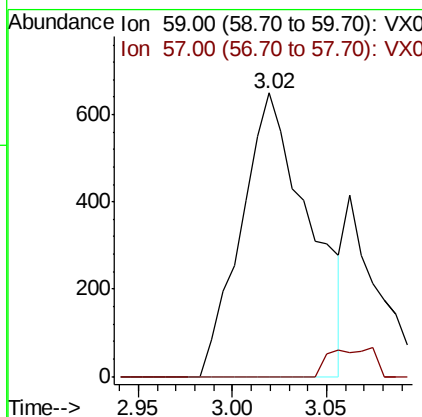
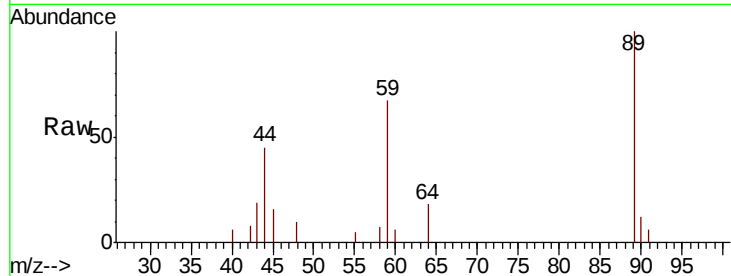




#11
Tert butyl alcohol
Concen: 4.876 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

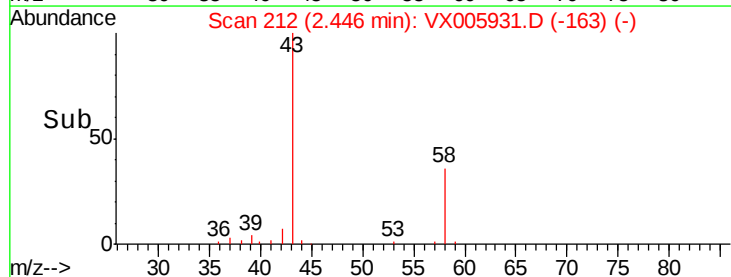
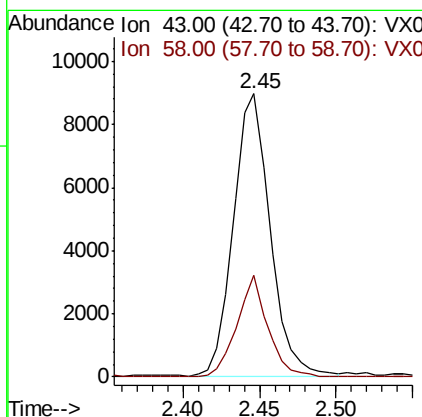
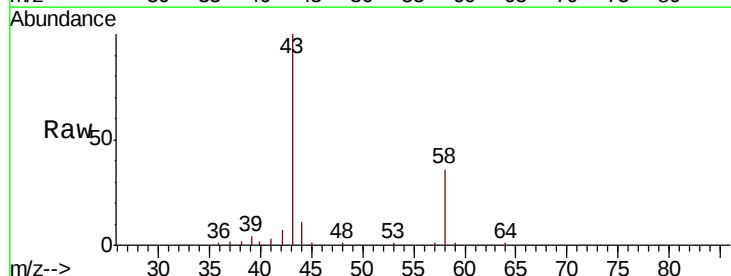
Instrument :
MSVOA_X
ClientSampleId :
DW-2

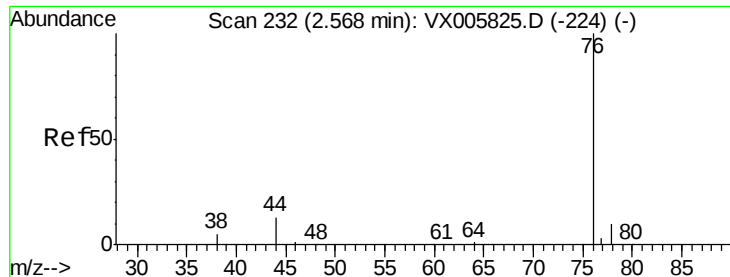
Tot Ion: 59 Resp: 1617
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 24.124 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion: 43 Resp: 15036
Ion Ratio Lower Upper
43 100
58 35.9 23.8 35.6#

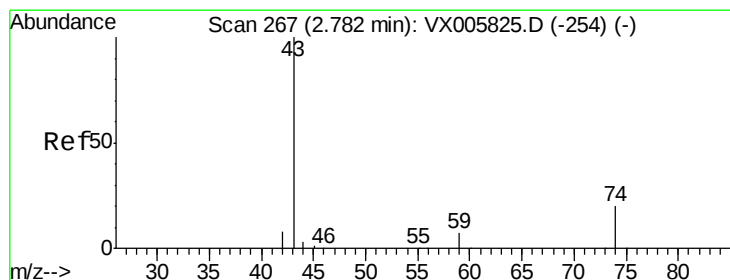
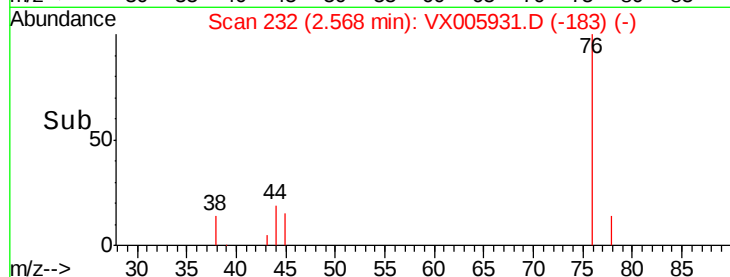
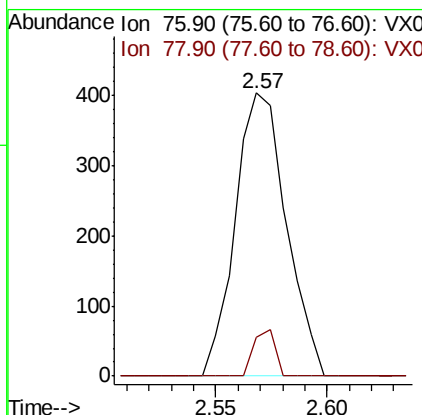
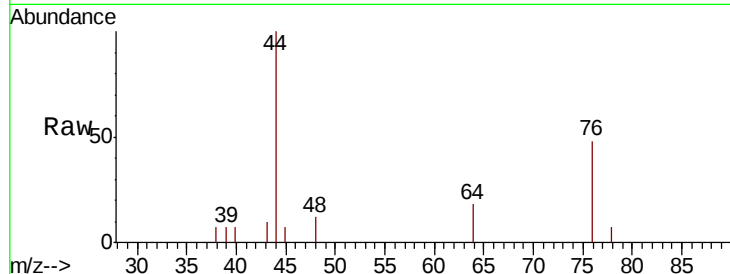




#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

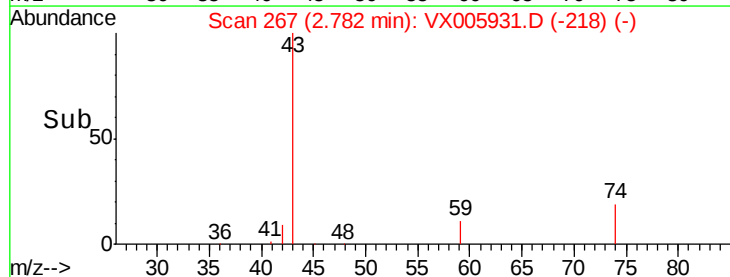
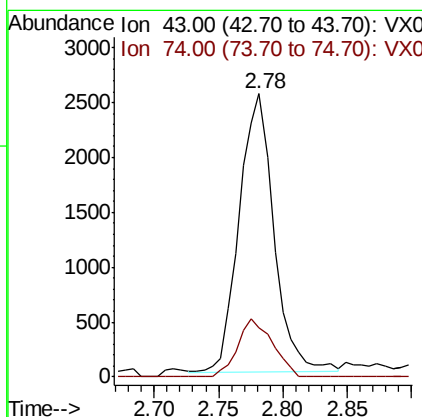
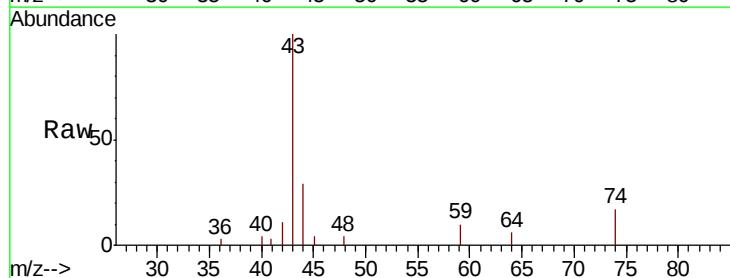
Instrument :
MSVOA_X
ClientSampleId :
DW-2

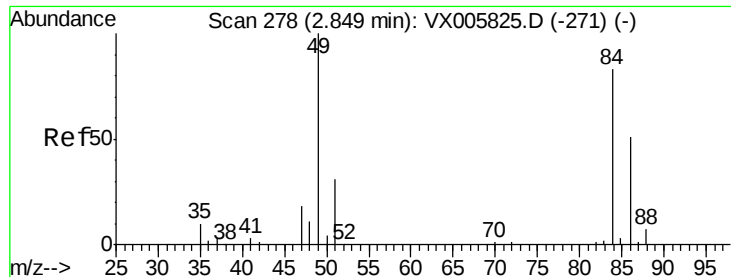
Tot Ion: 76 Resp: 644
Ion Ratio Lower Upper
76 100
78 13.6 7.3 10.9#



#18
Methyl Acetate
Concen: 1.387 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion: 43 Resp: 4726
Ion Ratio Lower Upper
43 100
74 21.0 16.8 25.2

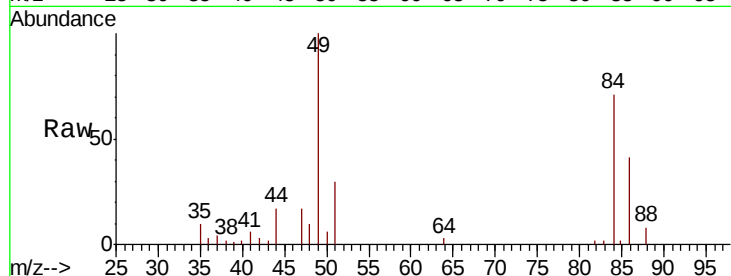




#20
Methvlene Chloride
Concen: 5.750 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Instrument :
MSVOA_X
ClientSampleId :
DW-2

Tot Ion	84	Resp	5887
Ion	Ratio	Lower	Upper
84	100		
49	141.5	109.5	164.3
51	42.8	33.3	49.9
86	58.7	52.7	79.1



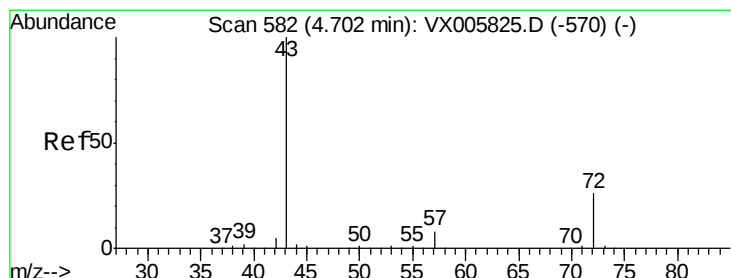
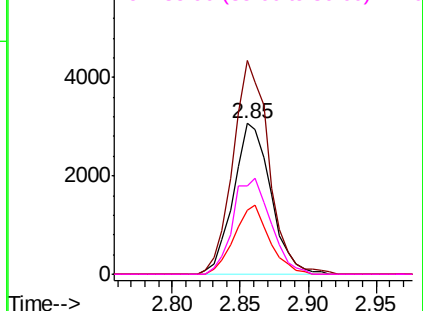
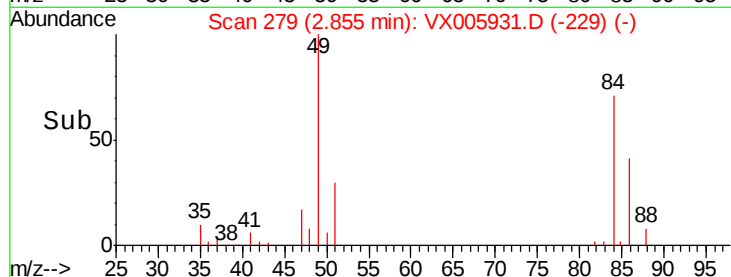
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

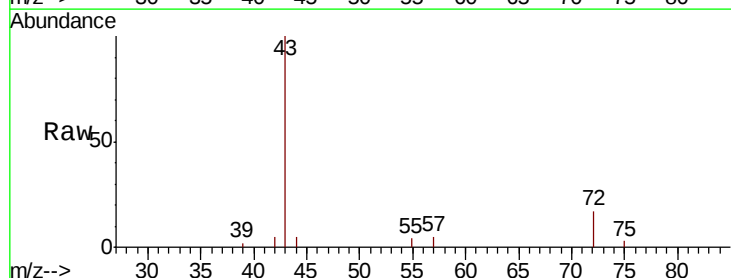
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25
2-Butanone
Concen: 6.415 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

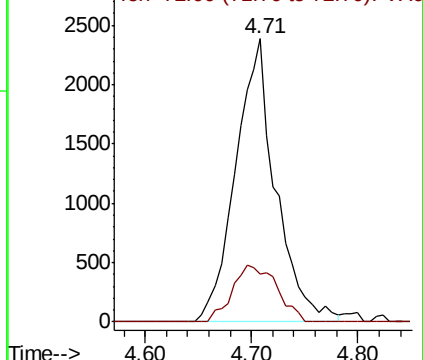
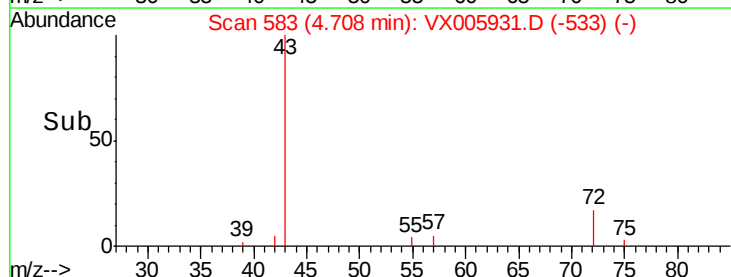
Tgt Ion	43	Resp	6286
Ion	Ratio	Lower	Upper
43	100		
72	16.8	19.2	28.8#

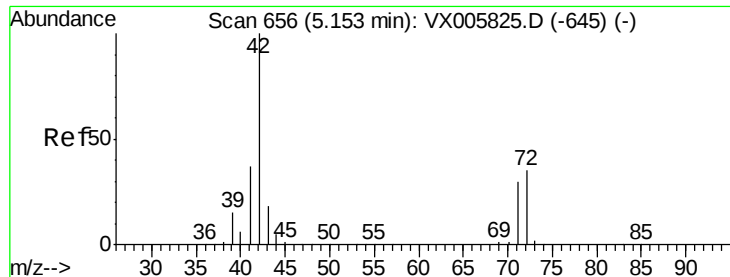


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.558 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

DW-2

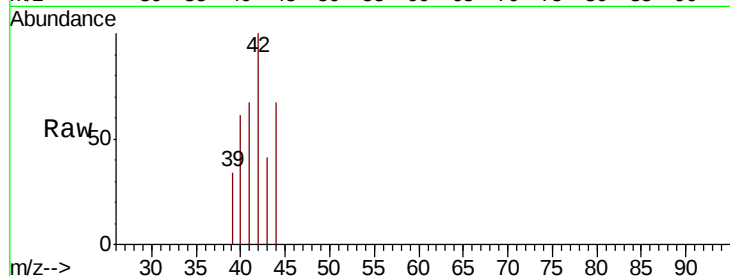
Tot Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 13.1 32.0 48.0#

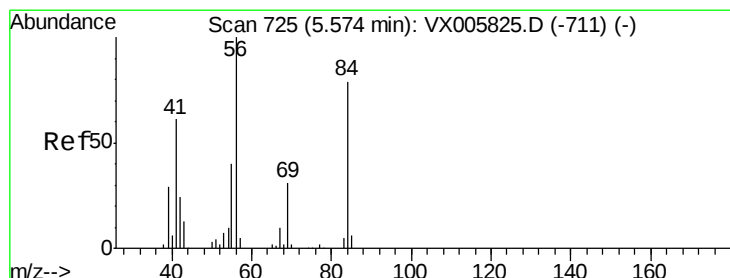
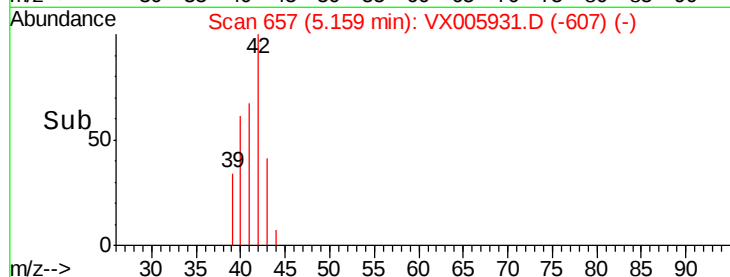
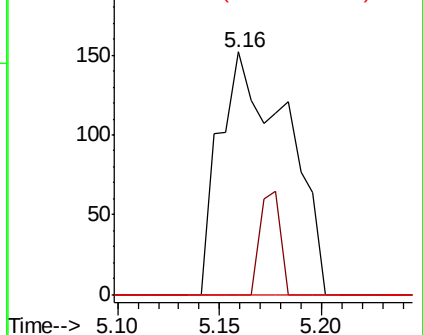
71 0.0 29.8 44.8#



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



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

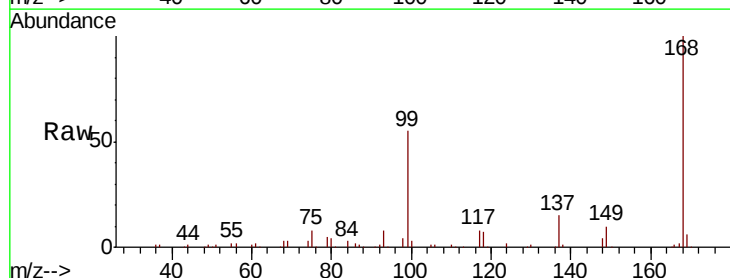
Tgt Ion: 56 Resp: 1765

Ion Ratio Lower Upper

56 100

69 168.9 22.6 34.0#

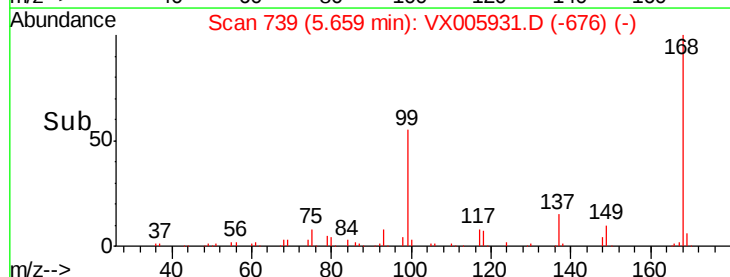
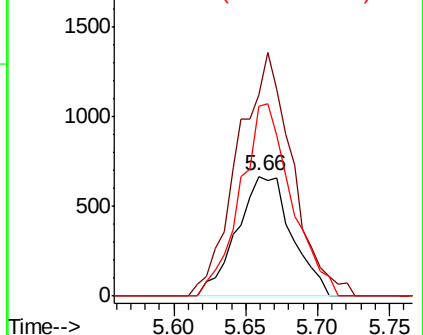
84 159.2 62.7 94.1#

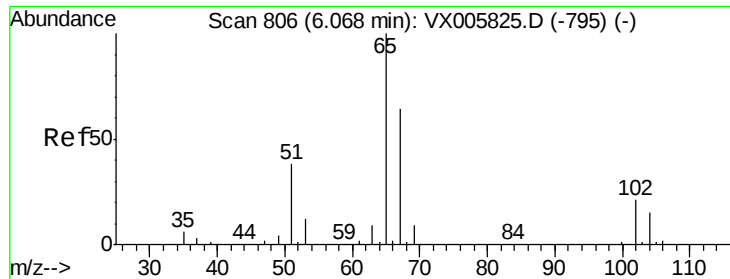


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

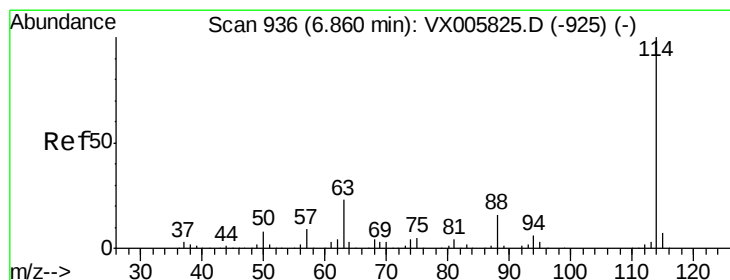
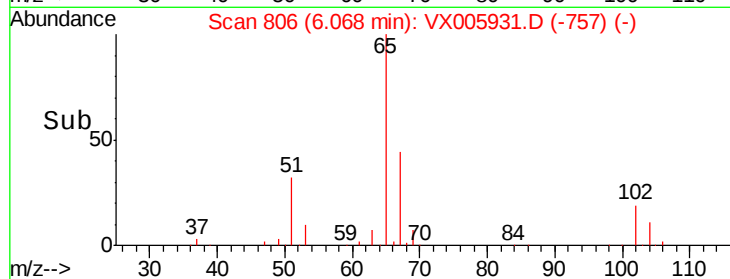
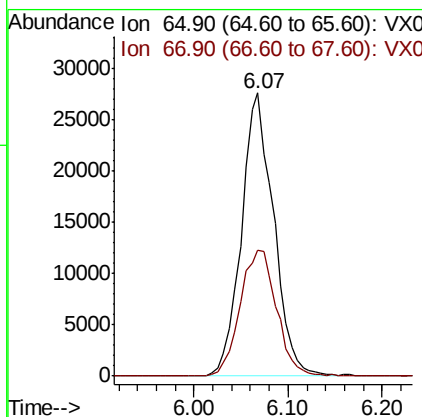
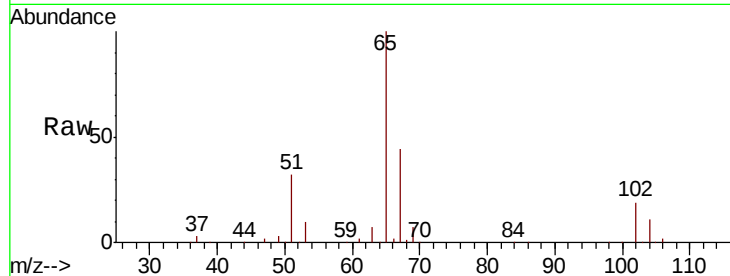




#33
 1,2-Dichloroethane-d4
 Concen: 56.752 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005931.D
 Acq: 13 Nov 2018 05:45

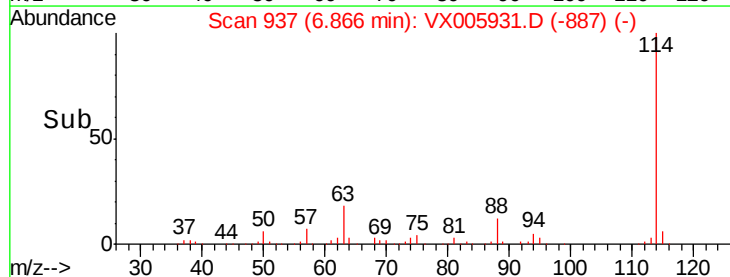
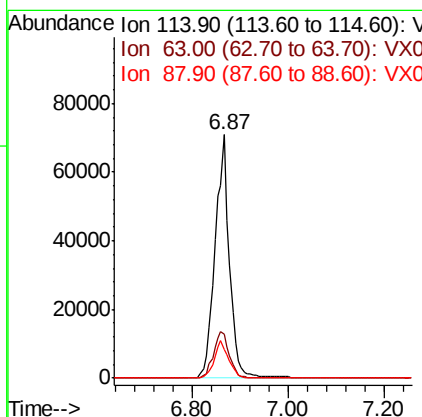
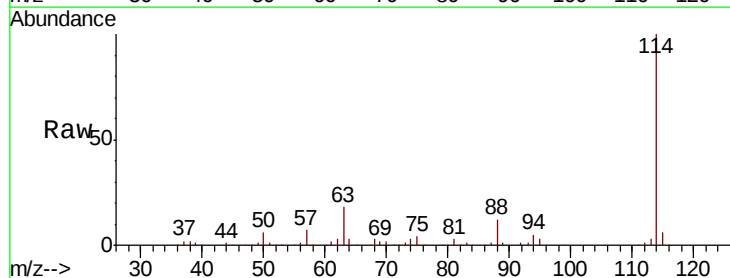
Instrument :
 MSVOA_X
 ClientSampleId :
 DW-2

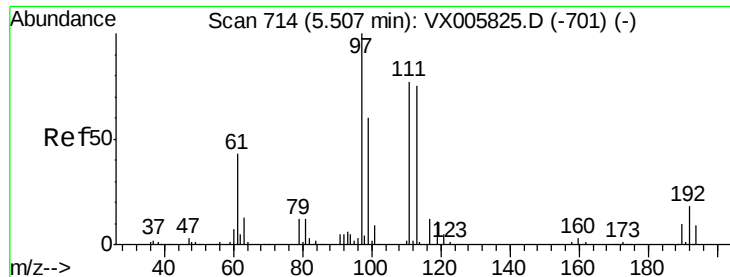
Tot Ion: 65 Resp: 65697
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005931.D
 Acq: 13 Nov 2018 05:45

Tgt Ion: 114 Resp: 147087
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.8
 88 11.9 0.0 31.2

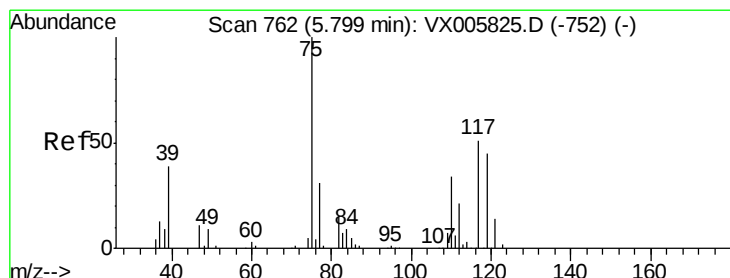
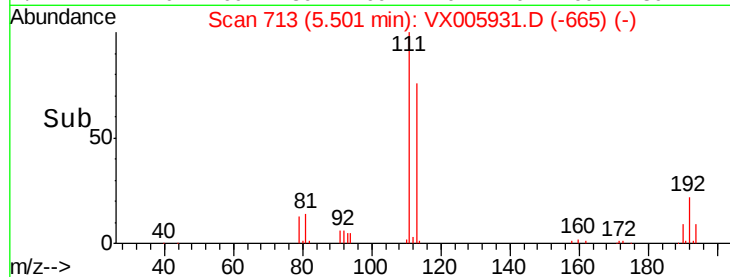
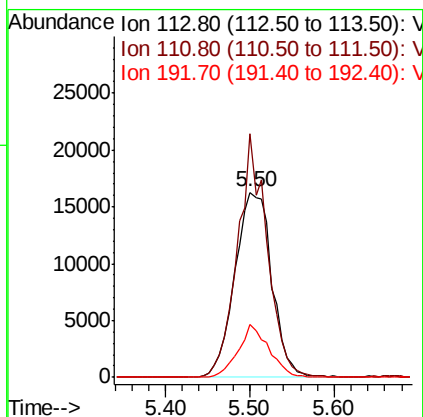
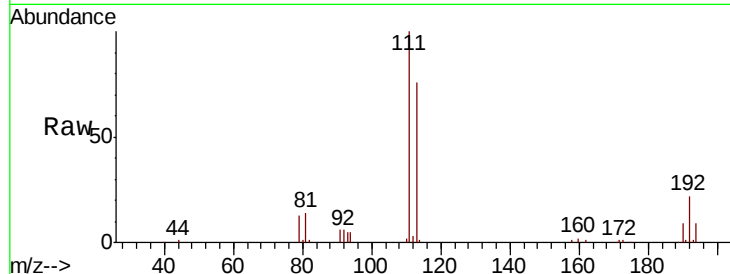




#35
 Dibromofluoromethane
 Concen: 48.195 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005931.D
 Acq: 13 Nov 2018 05:45

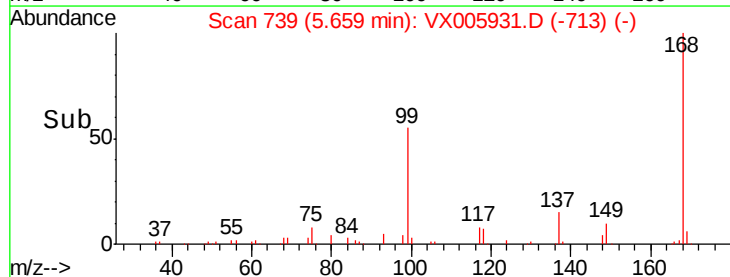
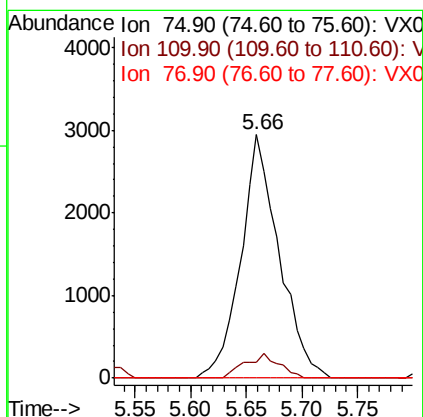
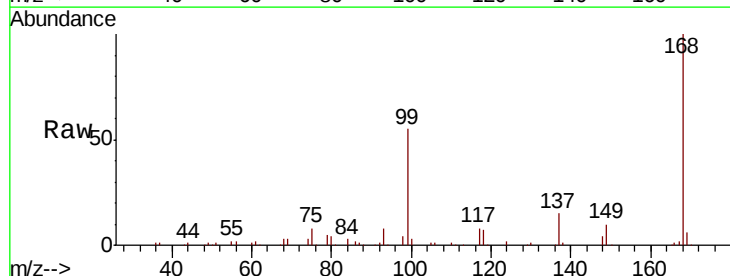
Instrument :
 MSVOA_X
 ClientSampled :
 DW-2

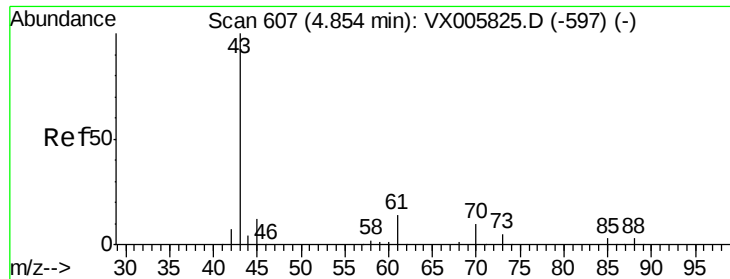
Tot Ion:113 Resp: 48215
 Ion Ratio Lower Upper
 113 100
 111 105.5 82.3 123.5
 192 23.6 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005931.D
 Acq: 13 Nov 2018 05:45

Tgt Ion: 75 Resp: 7038
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.4 52.2#
 77 0.0 25.8 38.6#

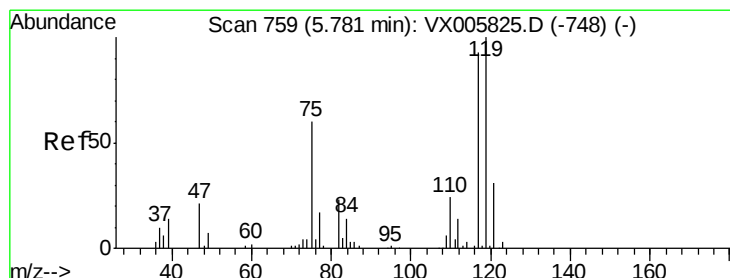
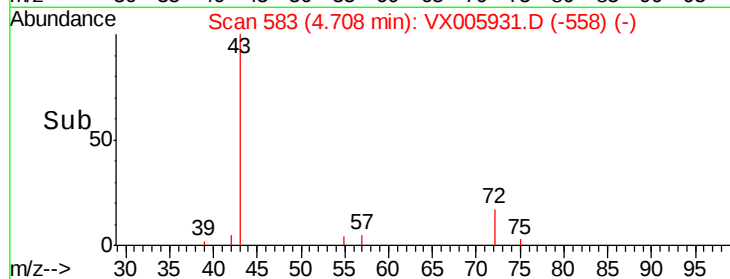
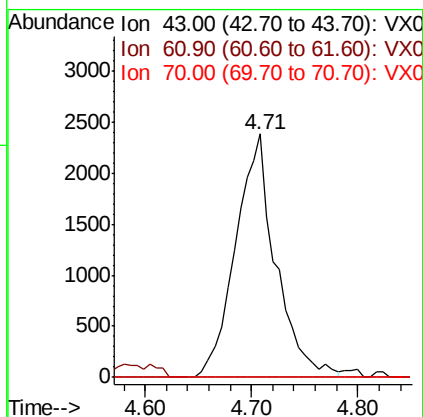
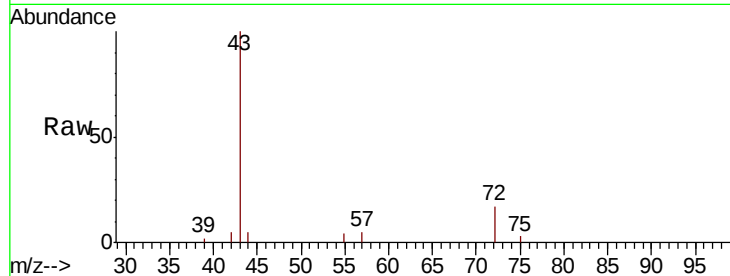




#37
Ethyl Acetate
Concen: 3.371 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.15 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

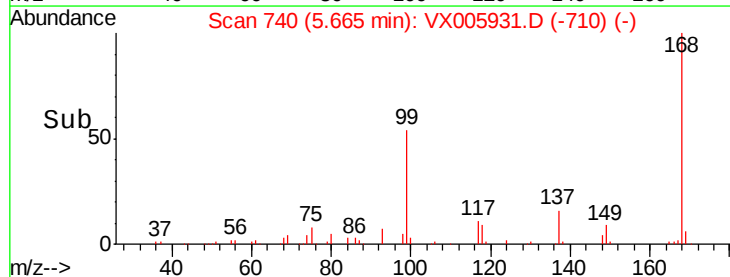
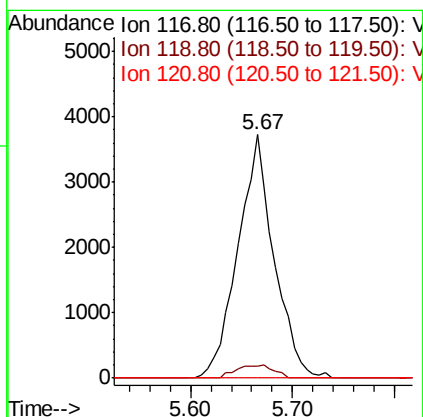
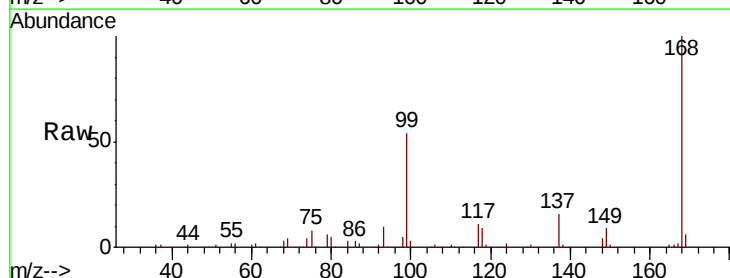
Instrument :
MSVOA_X
ClientSampleId :
DW-2

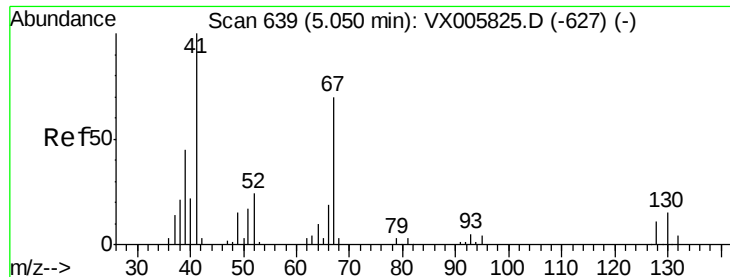
Tot Ion: 43 Resp: 6286
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion: 117 Resp: 9140
Ion Ratio Lower Upper
117 100
119 5.2 78.1 117.1#
121 0.0 24.6 36.8#

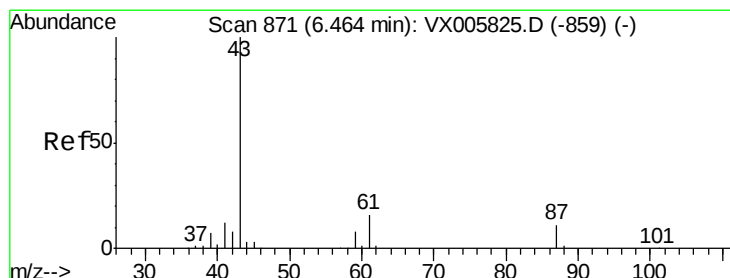
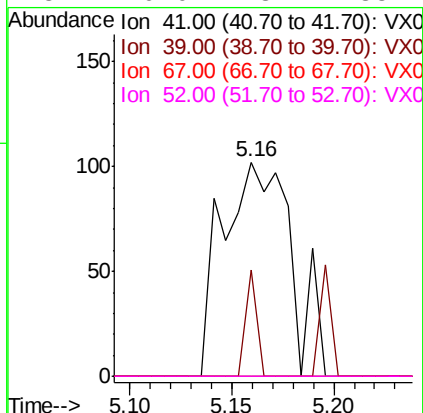
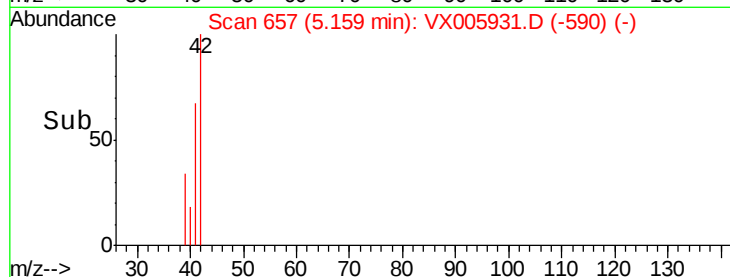
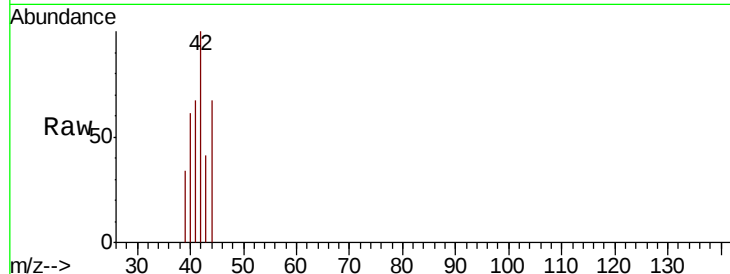




#41
Methacrylonitrile
Concen: 0.238 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.11 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

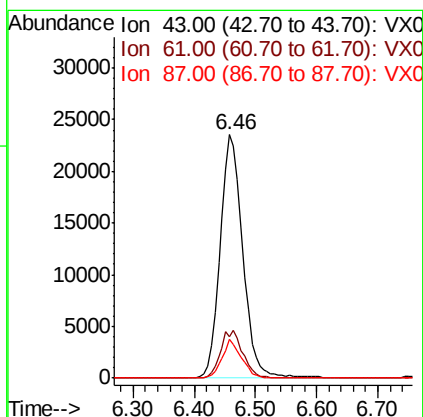
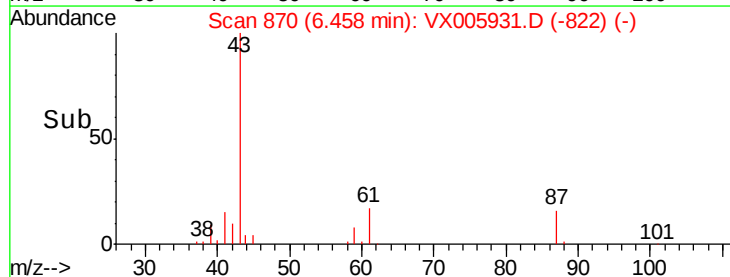
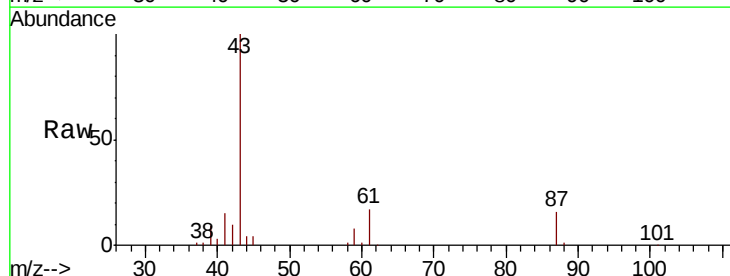
Instrument :
MSVOA_X
ClientSampled :
DW-2

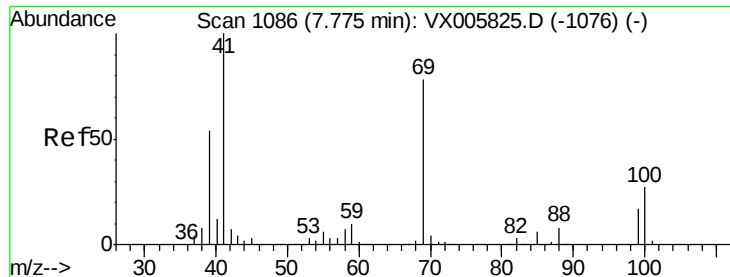
Tot Ion: 41 Resp: 240
Ion Ratio Lower Upper
41 100
39 7.9 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 22.380 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion: 43 Resp: 60469
Ion Ratio Lower Upper
43 100
61 19.3 14.6 22.0
87 13.4 9.6 14.4

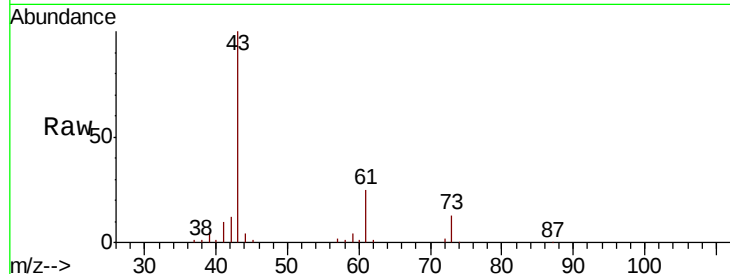




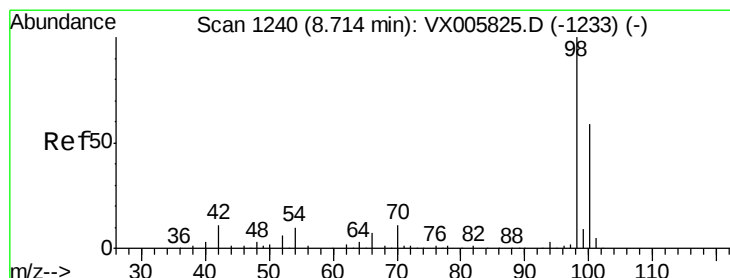
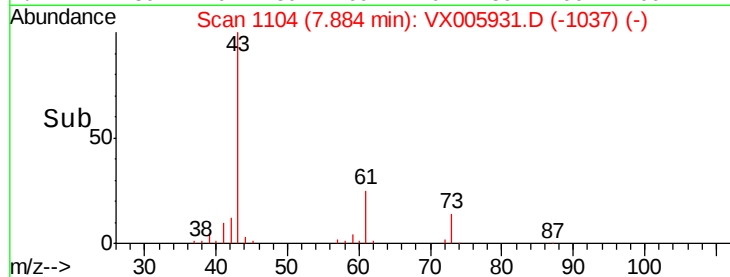
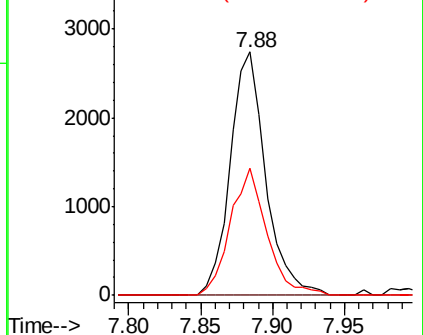
#48
Methvl methacrylate
Concen: 3.894 ug/l
RT: 7.88 min Scan# 1104
Delta R.T. 0.11 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Instrument :
MSVOA_X
ClientSampleId :
DW-2

Tot Ion: 41 Resp: 4724
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 54.0 42.2 63.2

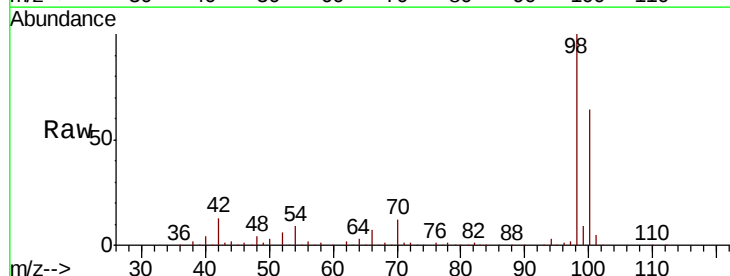


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

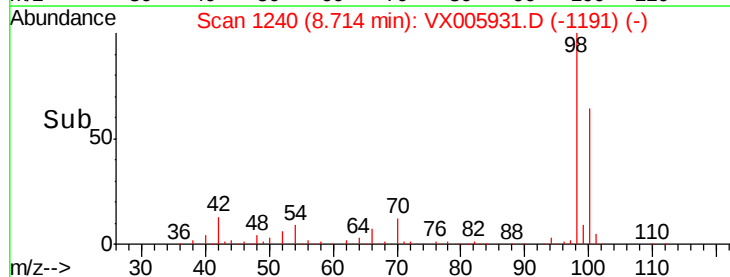
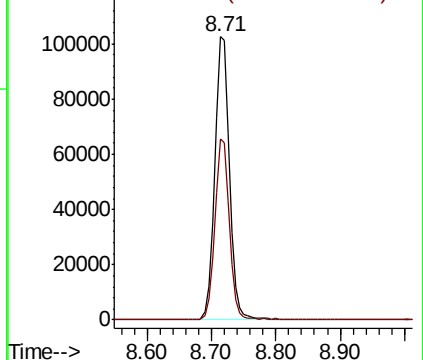


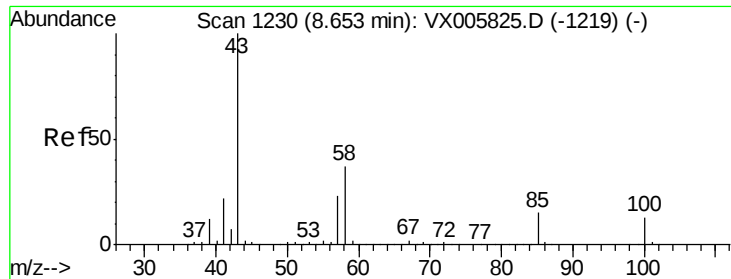
#50
Toluene-d8
Concen: 49.853 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion: 98 Resp: 165809
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 1.708 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

Instrument :

MSVOA_X

ClientSampled :

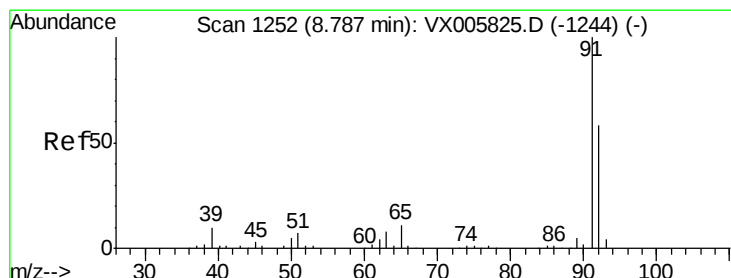
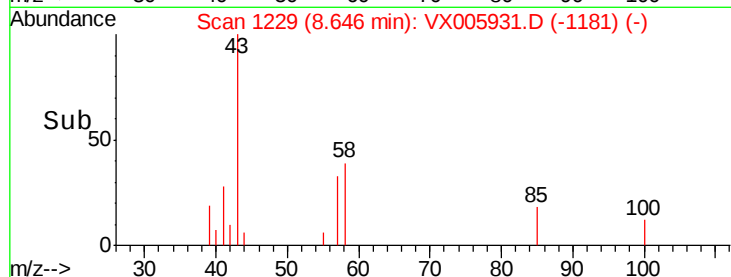
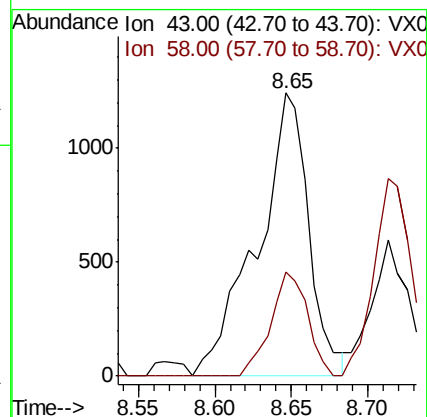
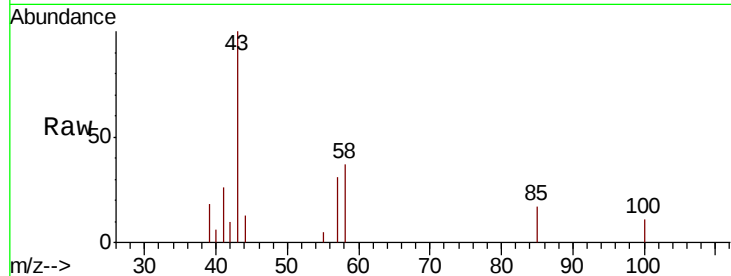
DW-2

Tot Ion: 43 Resp: 2908

Ion Ratio Lower Upper

43 100

58 26.4 29.7 44.5#



#52

Toluene

Concen: 0.234 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005931.D

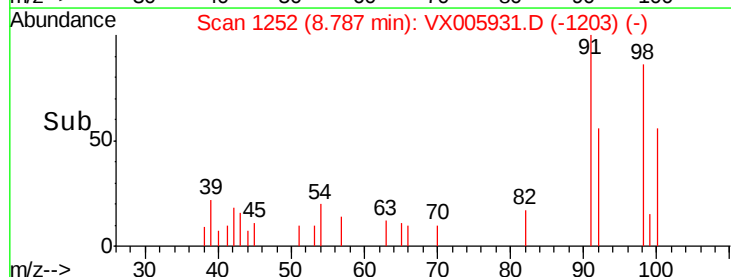
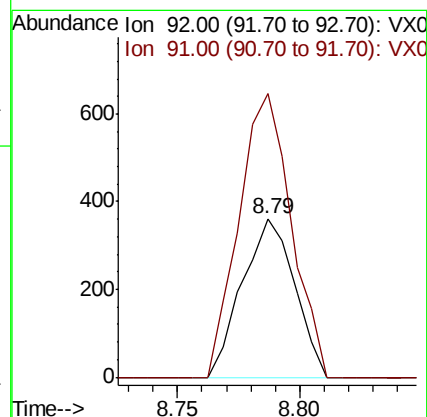
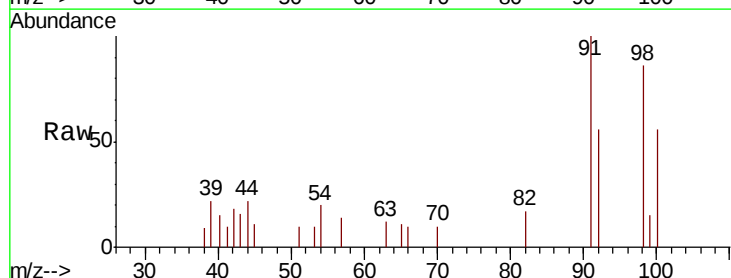
Acq: 13 Nov 2018 05:45

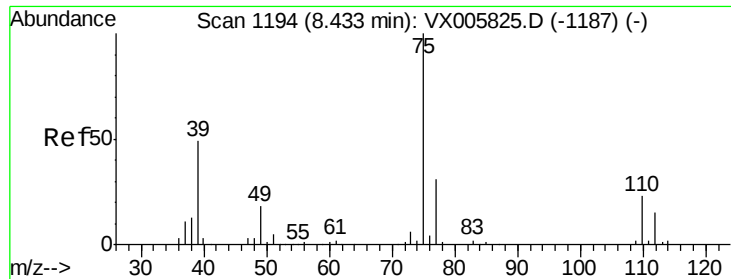
Tgt Ion: 92 Resp: 540

Ion Ratio Lower Upper

92 100

91 178.5 140.4 210.6

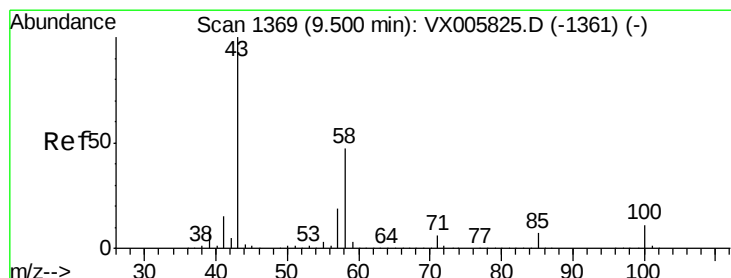
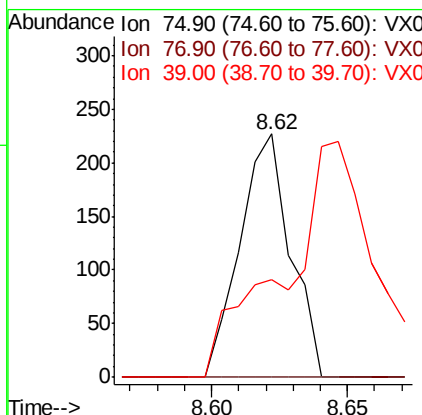
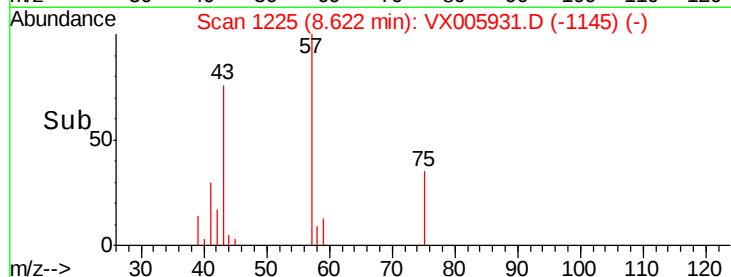
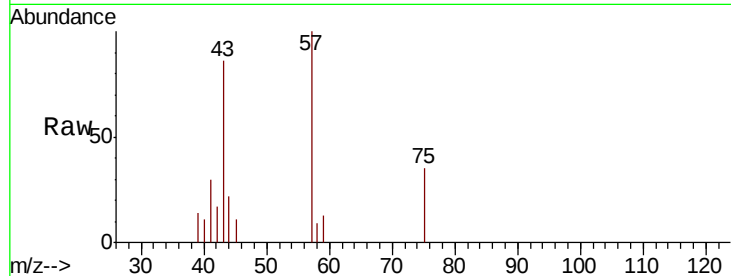




#54
 cis-1,3-Dichloropropene
 Concen: 0.204 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.19 min
 Lab File: VX005931.D
 Acq: 13 Nov 2018 05:45

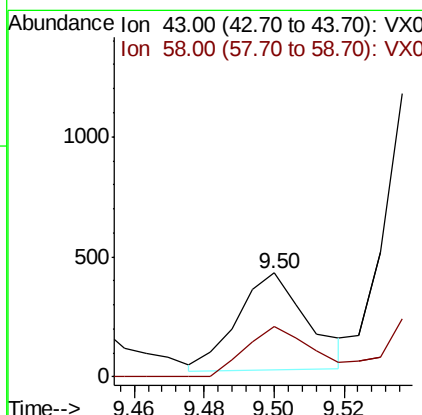
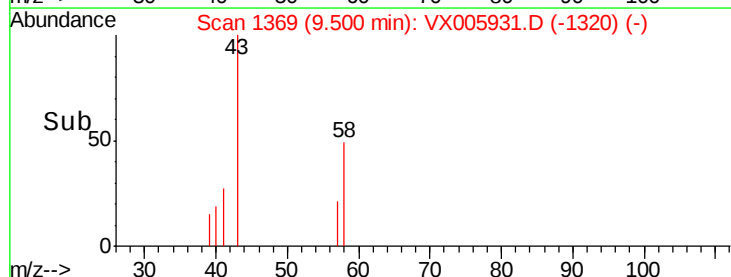
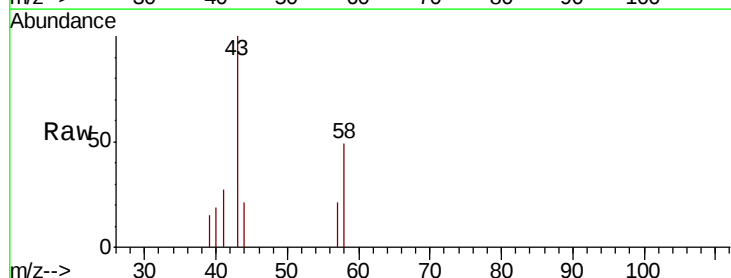
Instrument :
 MSVOA_X
 ClientSampled :
 DW-2

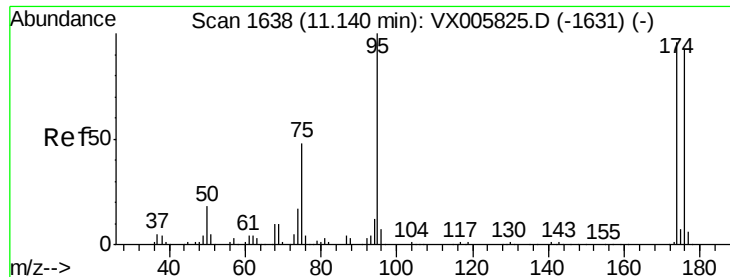
Tot Ion: 75 Resp: 292
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 40.1 38.2 57.2



#59
 2-Hexanone
 Concen: 0.375 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VX005931.D
 Acq: 13 Nov 2018 05:45

Tgt Ion: 43 Resp: 563
 Ion Ratio Lower Upper
 43 100
 58 49.4 25.9 77.8





#62

4-Bromofluorobenzene

Concen: 47.369 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

DW-2

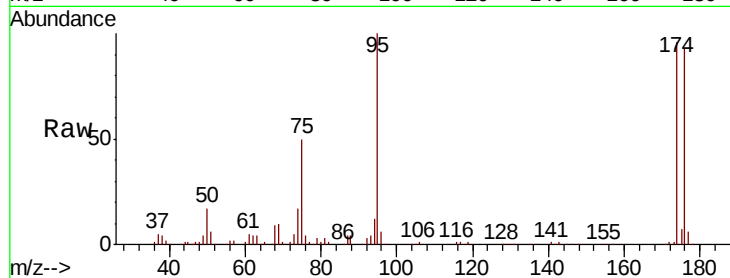
Tot Ion: 95 Resp: 56644

Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.4

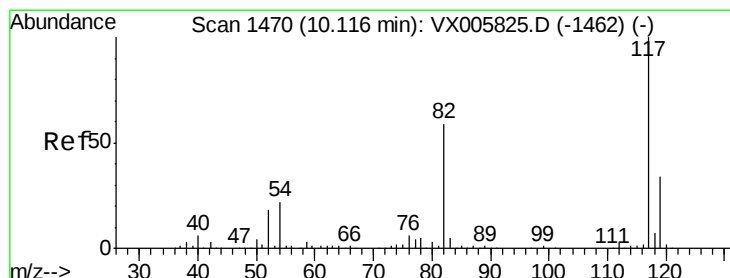
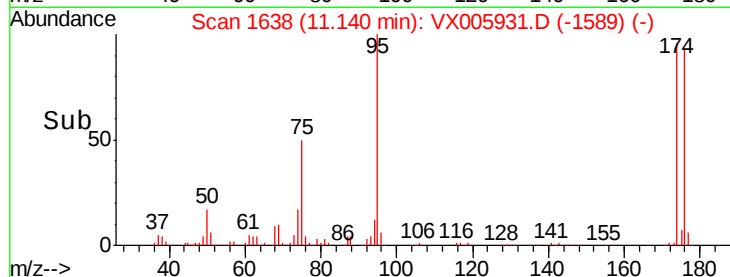
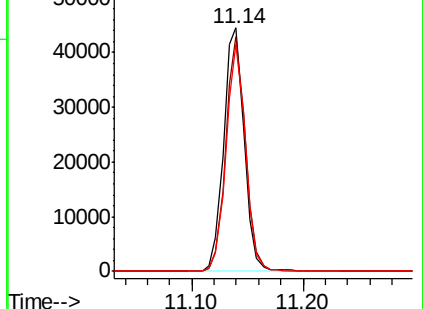
176 88.5 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

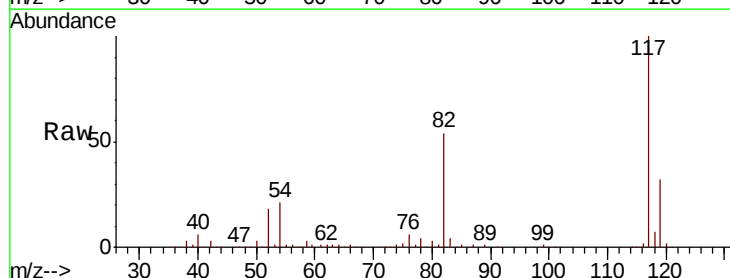
Tgt Ion: 117 Resp: 126022

Ion Ratio Lower Upper

117 100

82 54.4 44.1 66.1

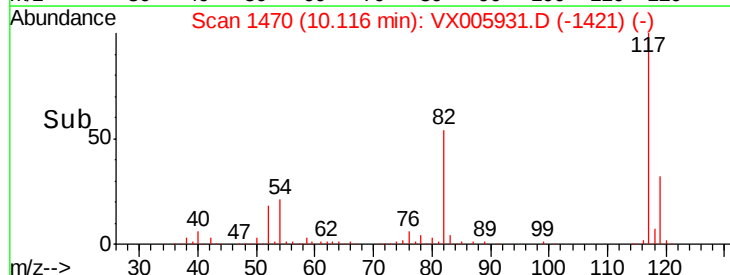
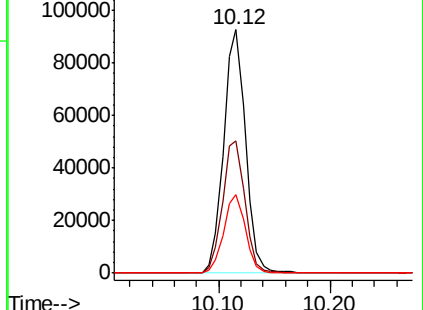
119 32.4 26.2 39.2

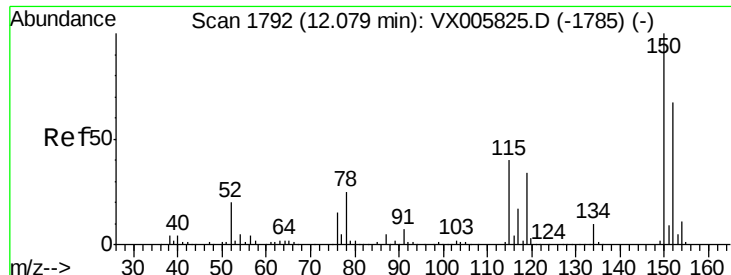


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

DW-2

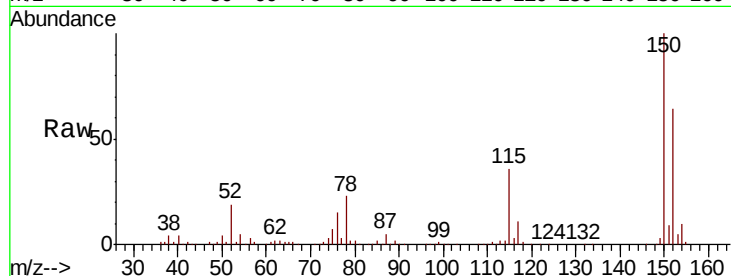
Tot Ion:152 Resp: 61685

Ion Ratio Lower Upper

152 100

115 56.1 39.4 118.1

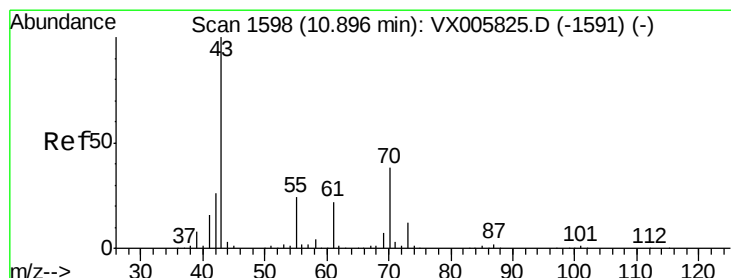
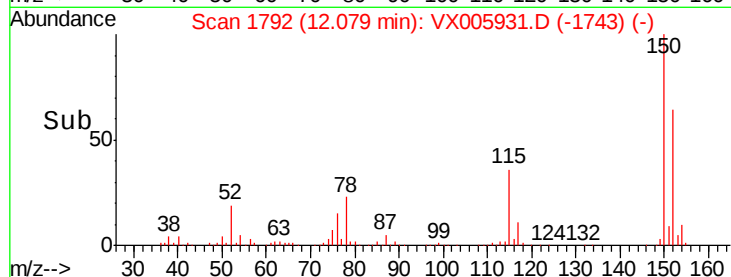
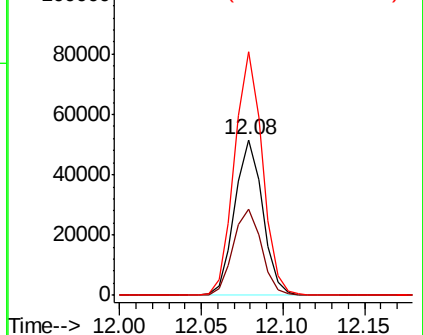
150 156.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.263 ug/l

RT: 10.88 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

Tgt Ion: 43 Resp: 25

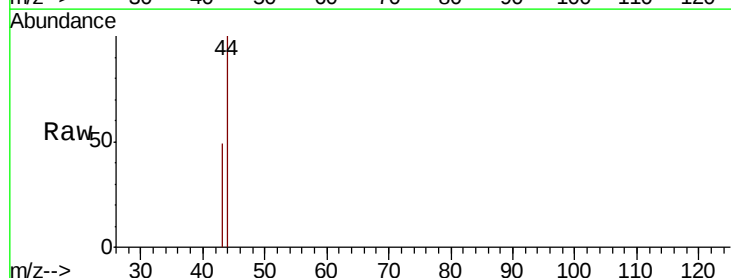
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

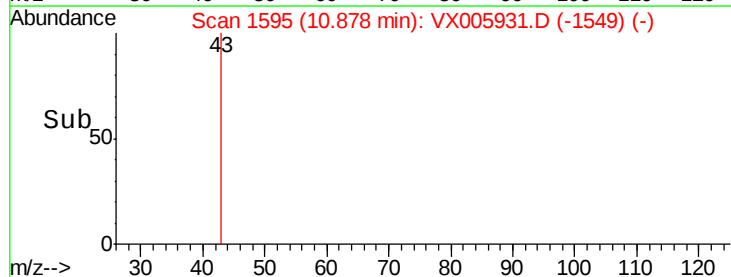
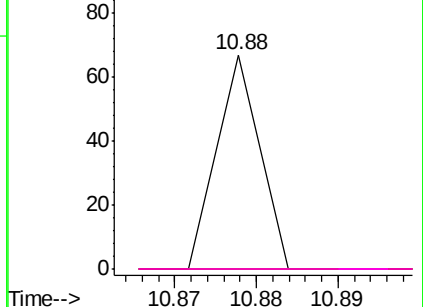


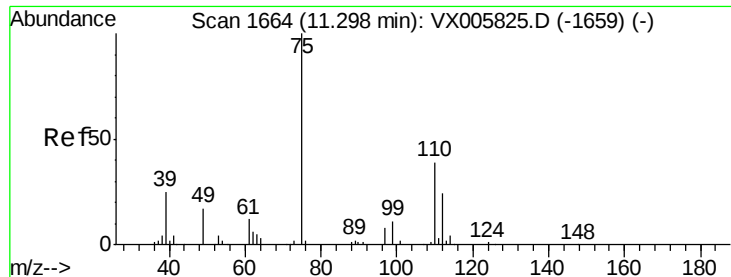
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.864 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

Instrument :

MSVOA_X

ClientSampleId :

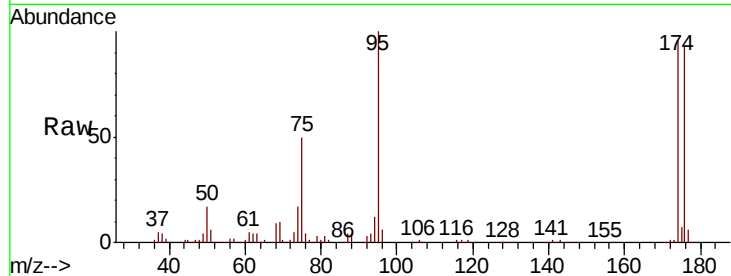
DW-2

Tot Ion: 75 Resp: 28718

Ion Ratio Lower Upper

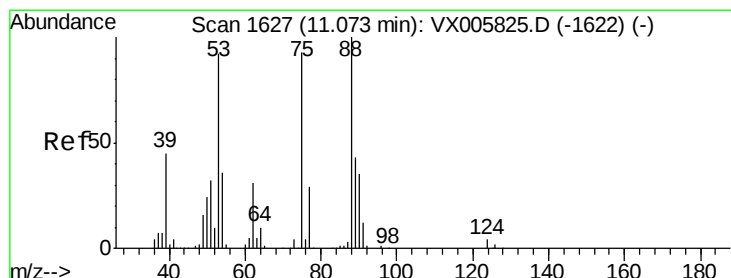
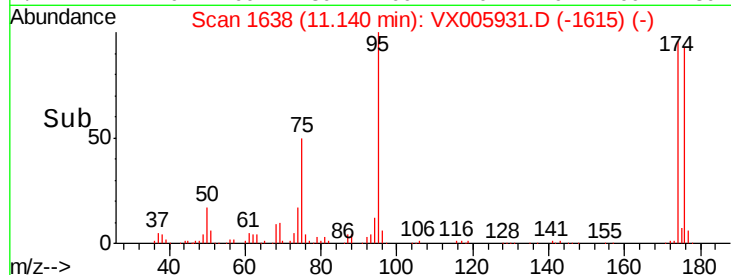
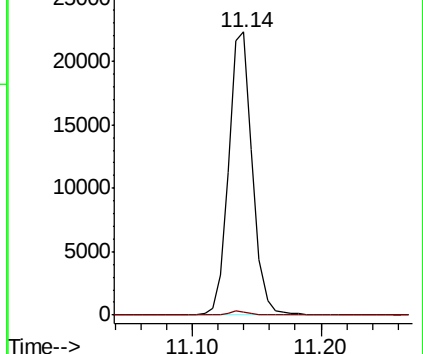
75 100

77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 72.871 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005931.D

Acq: 13 Nov 2018 05:45

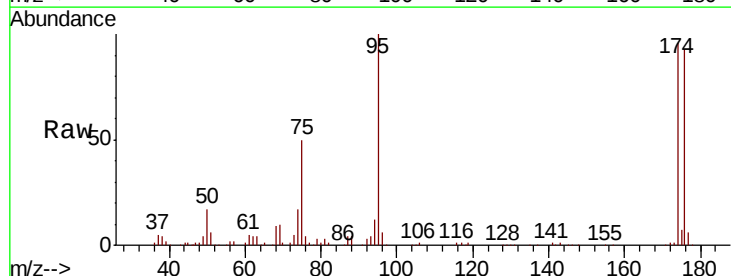
Tgt Ion: 75 Resp: 28718

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

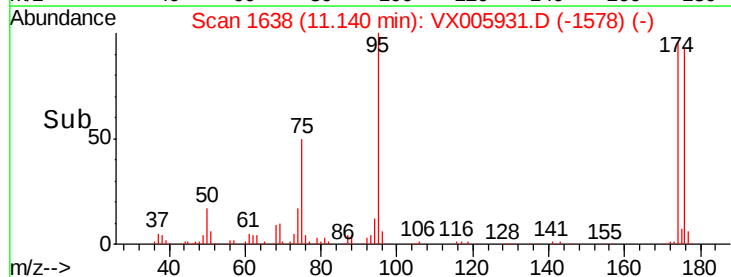
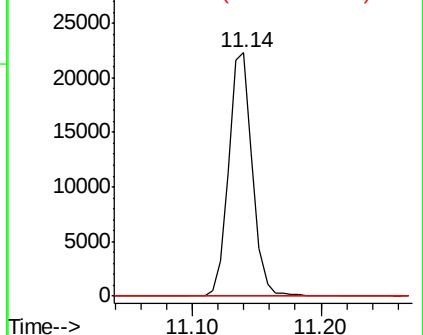
89 0.0 39.8 59.8#

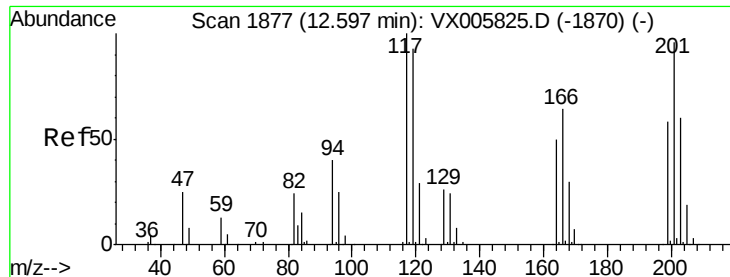


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

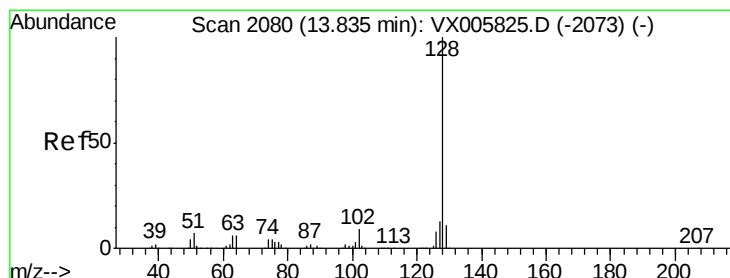
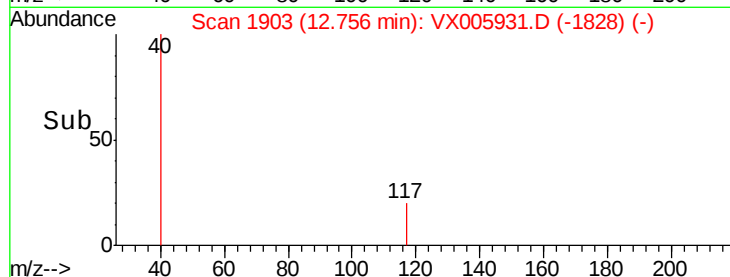
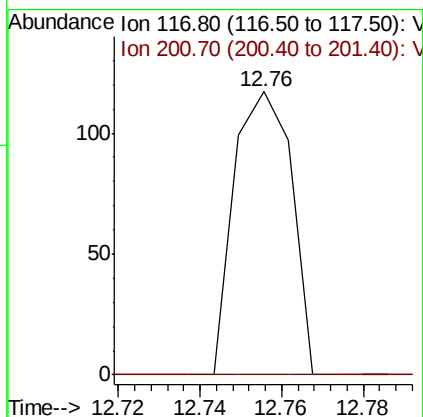
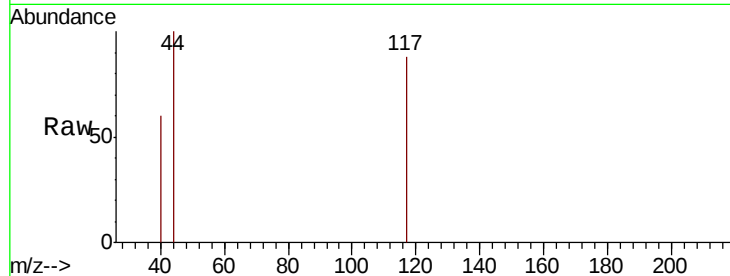




#90
Hexachloroethane
Concen: 0.207 ug/l
RT: 12.76 min Scan# 1903
Delta R.T. 0.16 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Instrument :
MSVOA_X
ClientSampled :
DW-2

Tot Ion:117 Resp: 115
Ion Ratio Lower Upper
117 100
201 0.0 47.9 143.6#



#95
Naphthalene
Concen: 5.099 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005931.D
Acq: 13 Nov 2018 05:45

Tgt Ion:128 Resp: 17823
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 11.0 8.7 13.1

