

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005948.D
 Acq On : 13 Nov 2018 15:00
 Operator : JC/MD
 Sample : J5912-08RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

Quant Time: Nov 14 03:25:10 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	95563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	139533	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.12	117	119323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	57604	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	64513	58.72	ug/l	0.00
Spiked Amount			Recovery	=	117.44%	
35) Dibromofluoromethane	5.50	113	51620	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
50) Toluene-d8	8.71	98	158754	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.14	95	52522	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

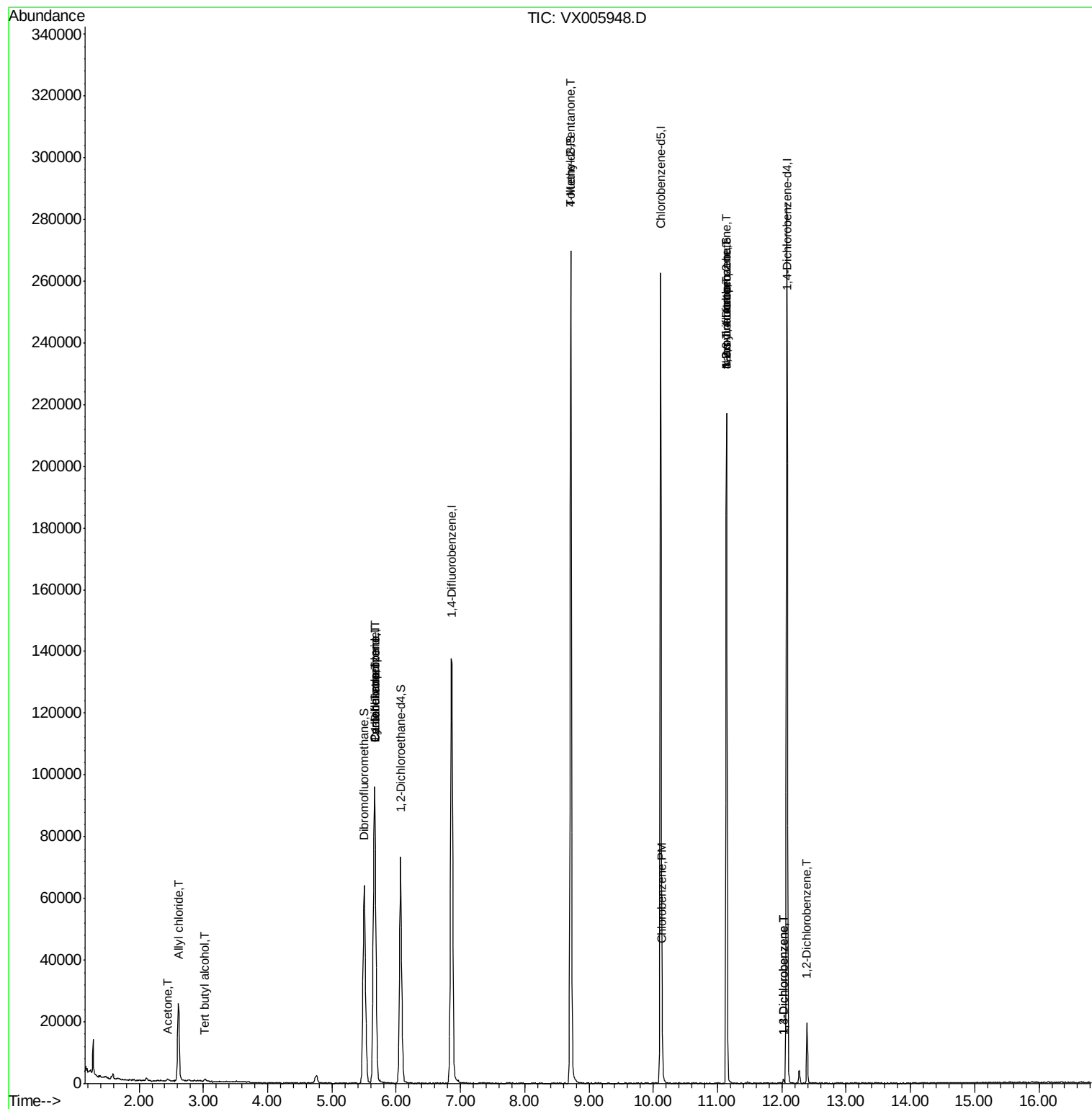
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	768	2.440	ug/l #	72
14) Allyl chloride	2.61	41	2731	1.448	ug/l #	64
16) Acetone	2.45	43	824	1.393	ug/l	94
18) Methyl Acetate	2.78	43	384	Below Cal	#	55
31) Cyclohexane	5.67	56	1881	1.229	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6626	4.926	ug/l #	50
38) Carbon Tetrachloride	5.67	117	8818	6.548	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	766	0.474	ug/l #	1
65) Chlorobenzene	10.14	112	4110	1.719	ug/l	94
74) N-amyl acetate	11.14	43	40	1.272	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	26799	22.848	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	26799	72.819	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.95	105	20	Below Cal	#	31
87) 1,3-Dichlorobenzene	12.02	146	522	0.290	ug/l	98
88) 1,4-Dichlorobenzene	12.02	146	522	0.283	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	6494	3.598	ug/l	99

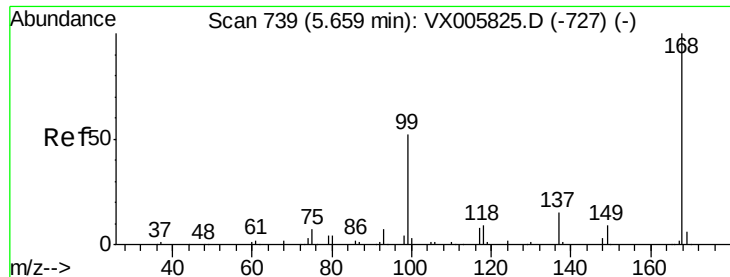
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005948.D

Acq: 13 Nov 2018 15:00

Instrument :

MSVOA_X

ClientSampleId :

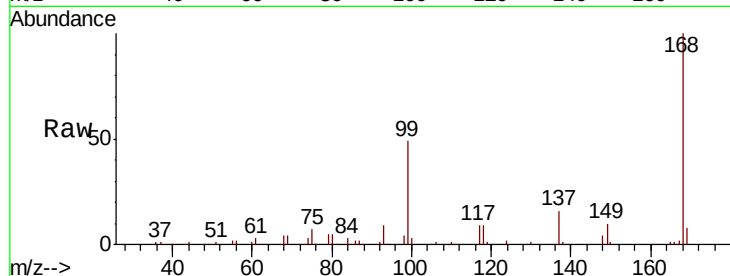
SS003RW114R-181109

Tot Ion:168 Resp: 95563

Ion Ratio Lower Upper

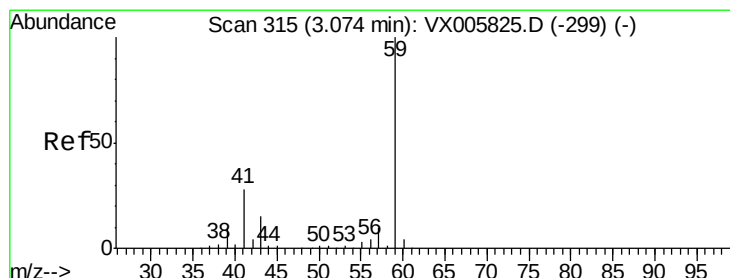
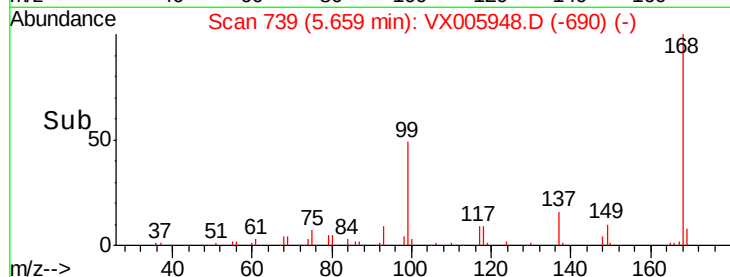
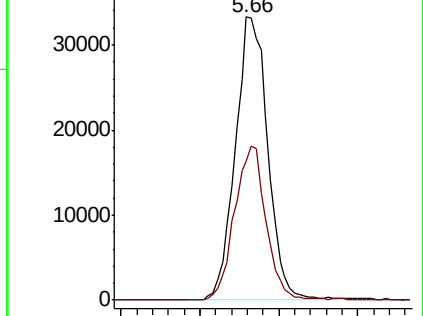
168 100

99 49.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 2.440 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005948.D

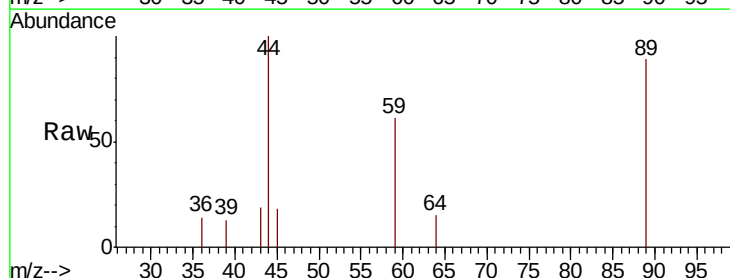
Acq: 13 Nov 2018 15:00

Tgt Ion: 59 Resp: 768

Ion Ratio Lower Upper

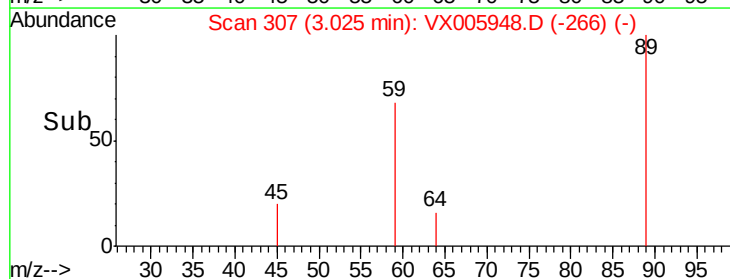
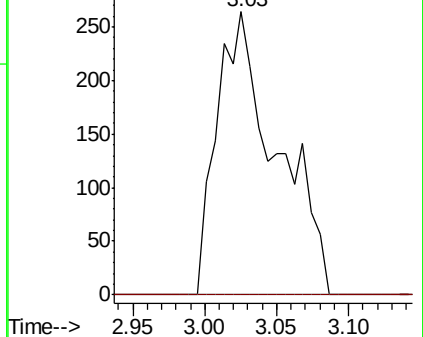
59 100

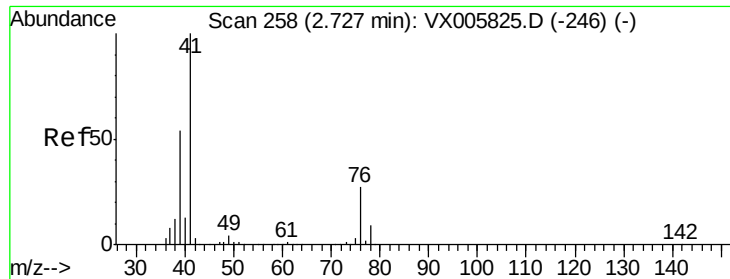
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

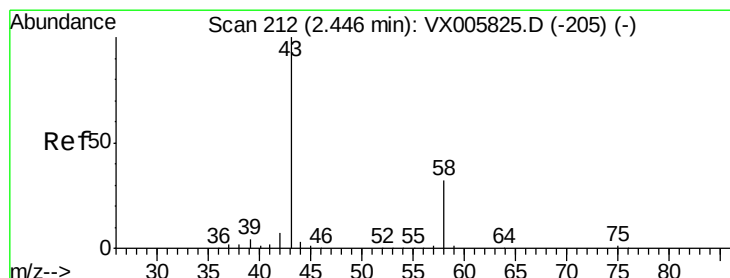
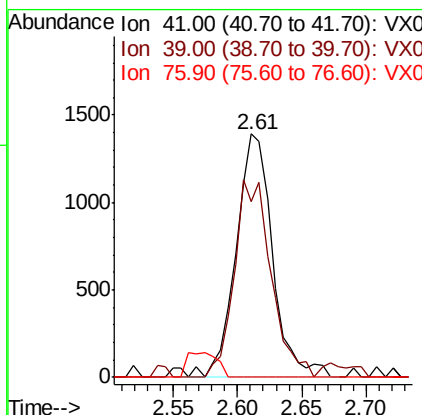
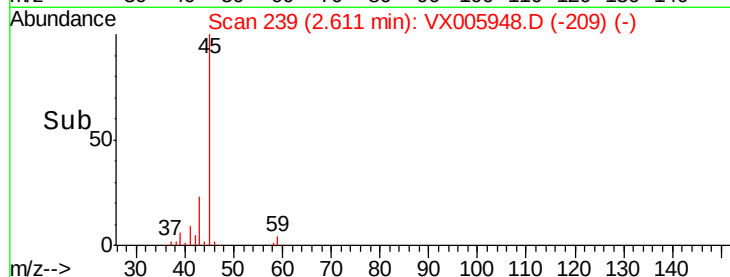
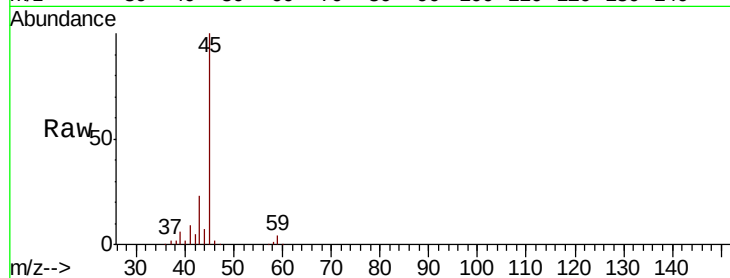




#14
Allvl chloride
Concen: 1.448 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.12 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

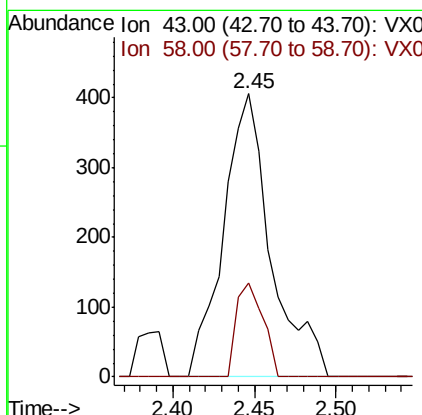
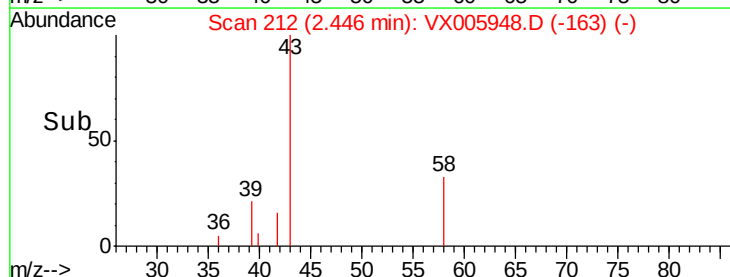
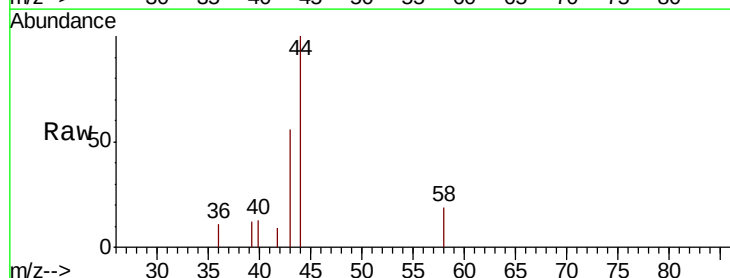
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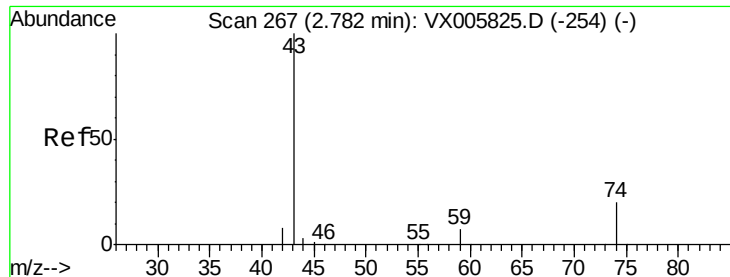
Tot Ion: 41 Resp: 2731
Ion Ratio Lower Upper
41 100
39 81.9 48.2 72.4#
76 0.0 21.9 32.9#



#16
Acetone
Concen: 1.393 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 33.0 23.8 35.6

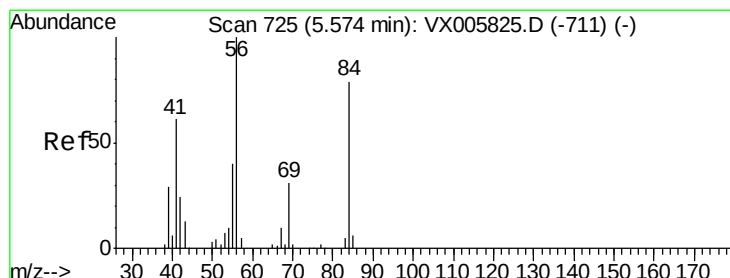
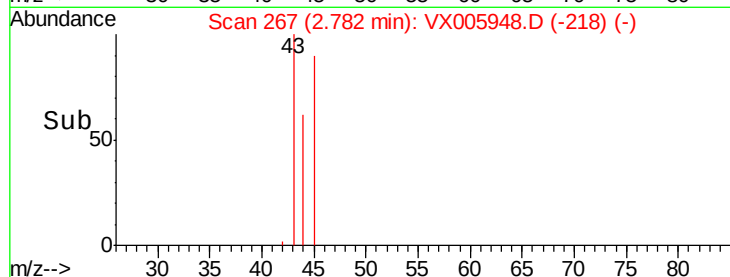
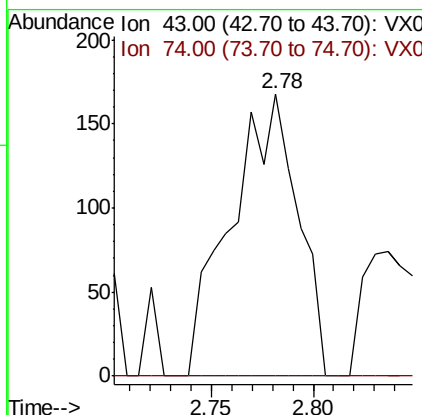
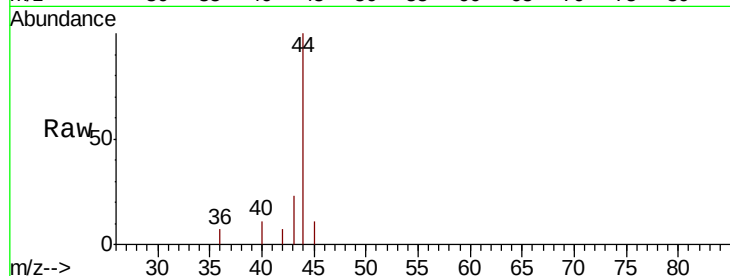




#18
Methvl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

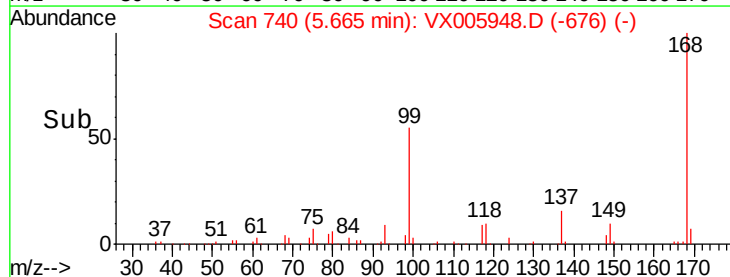
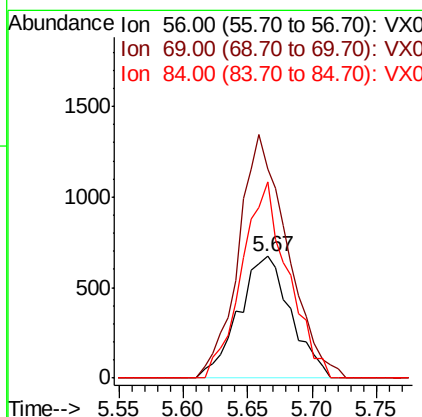
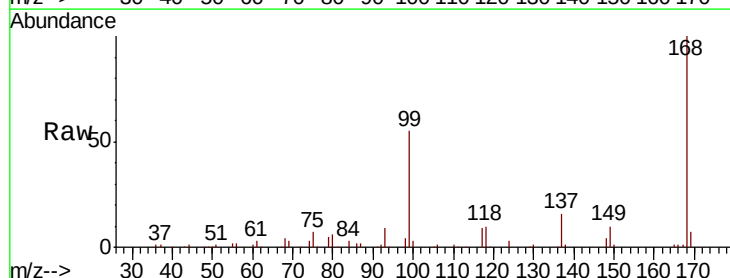
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MSVOA_X
ClientSampleId :
SS003RW114R-181109

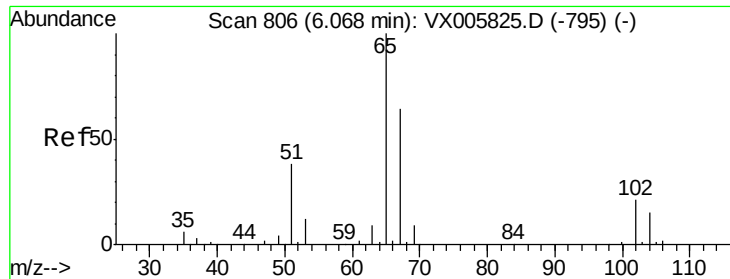
Tot Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

Tgt Ion: 56 Resp: 1881
Ion Ratio Lower Upper
56 100
69 171.9 22.6 34.0#
84 161.6 62.7 94.1#

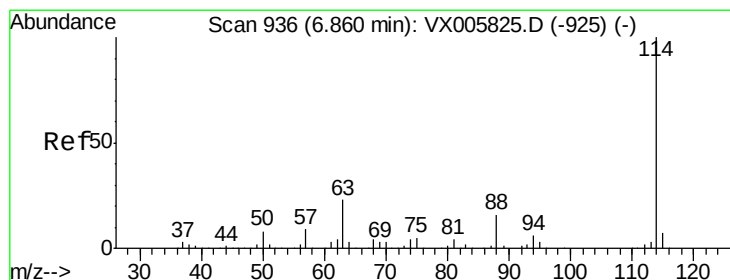
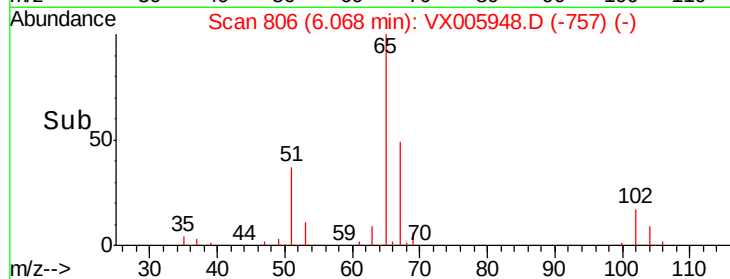
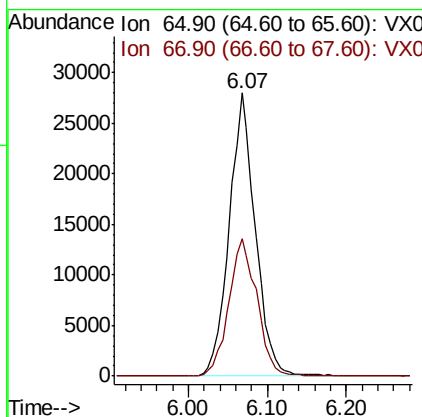
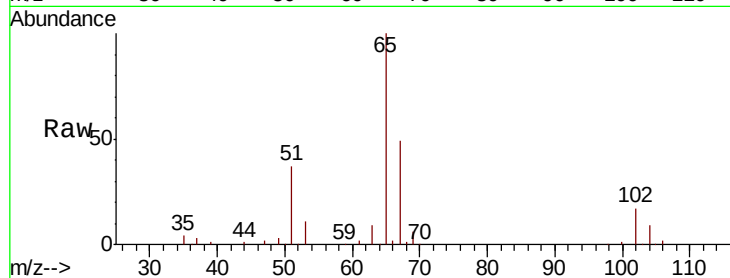




#33
 1,2-Dichloroethane-d4
 Concen: 58.722 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

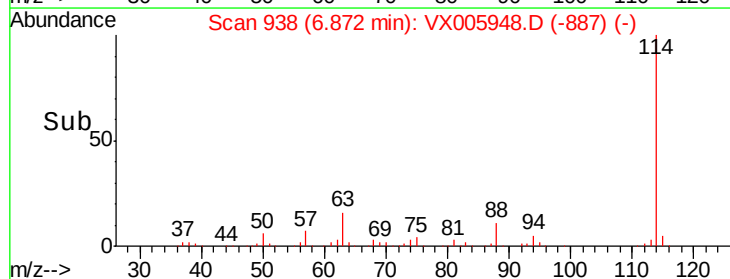
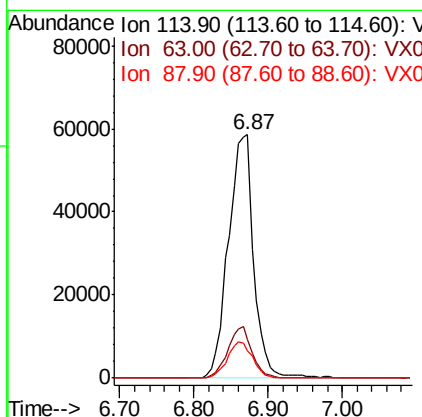
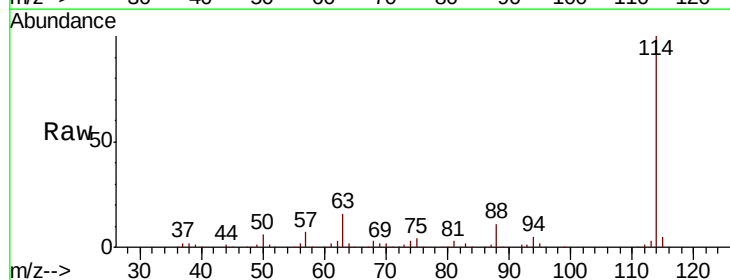
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

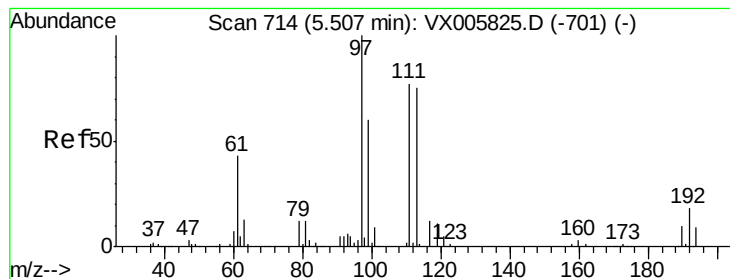
Tot Ion: 65 Resp: 64513
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

Tgt Ion: 114 Resp: 139533
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 42.8
 88 11.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.392 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005948.D

Acq: 13 Nov 2018 15:00

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-181109

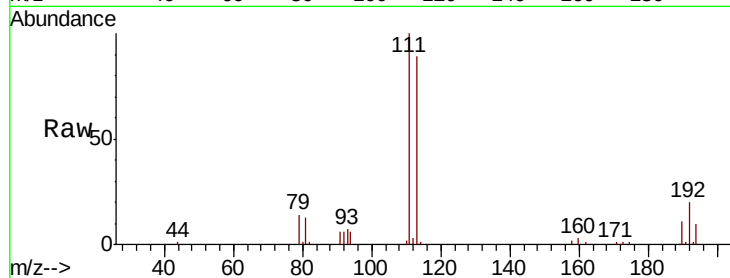
Tot Ion:113 Resp: 51620

Ion Ratio Lower Upper

113 100

111 105.8 82.3 123.5

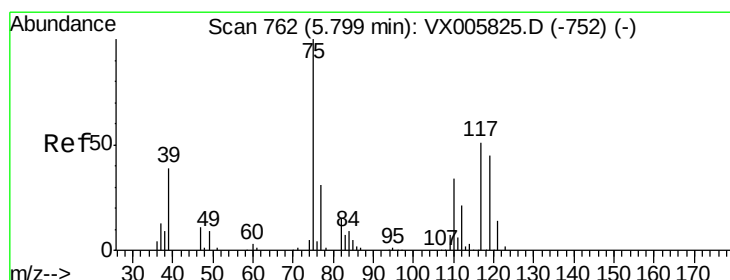
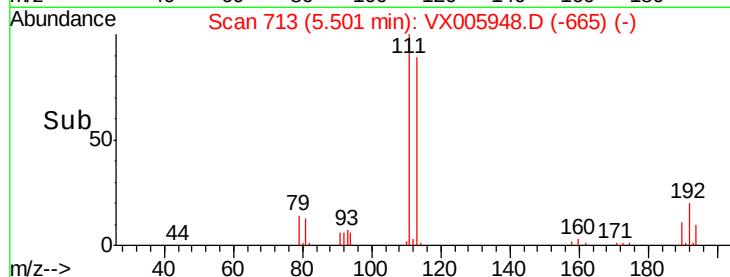
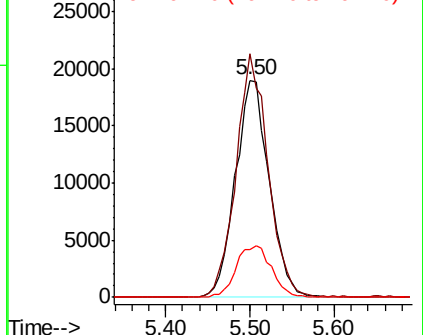
192 24.8 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.926 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005948.D

Acq: 13 Nov 2018 15:00

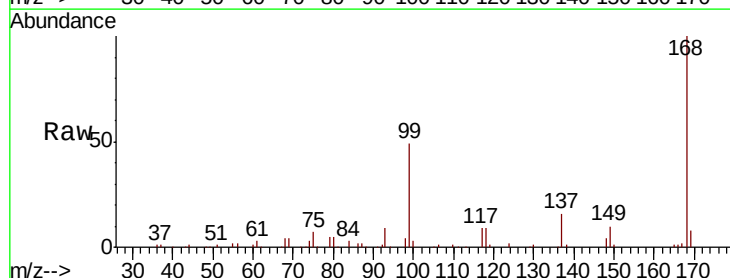
Tgt Ion: 75 Resp: 6626

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.2#

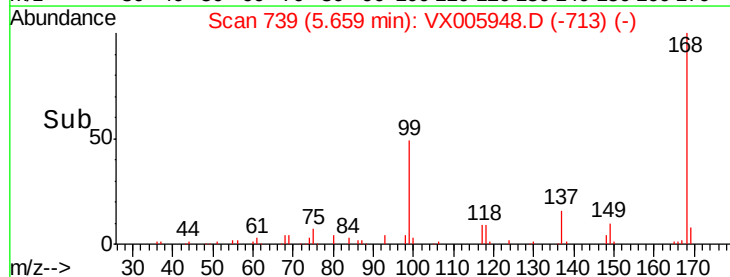
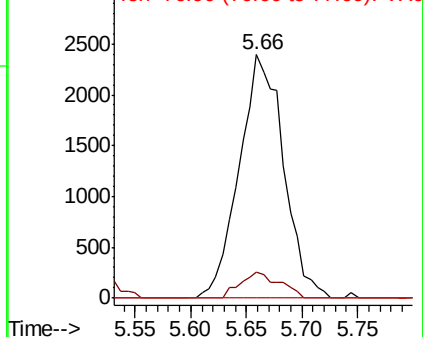
77 0.0 25.8 38.6#

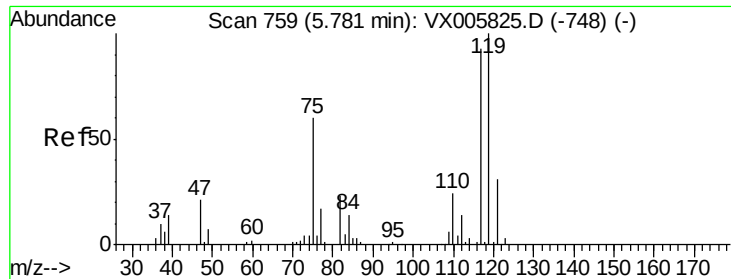


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

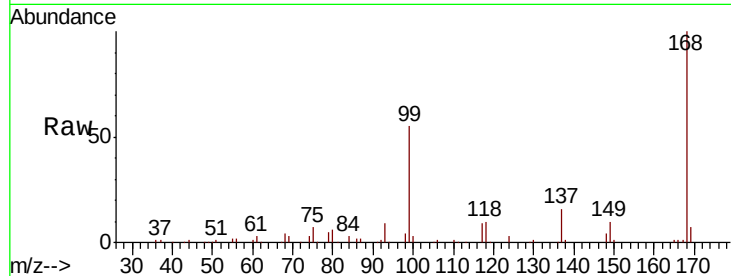




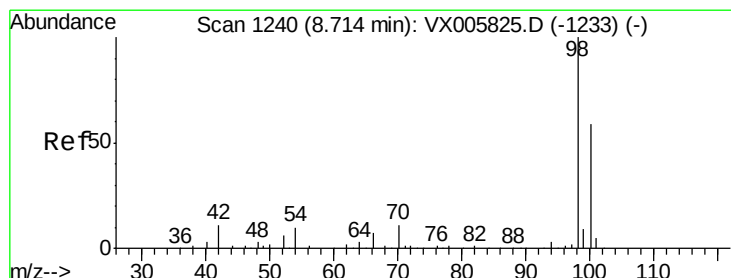
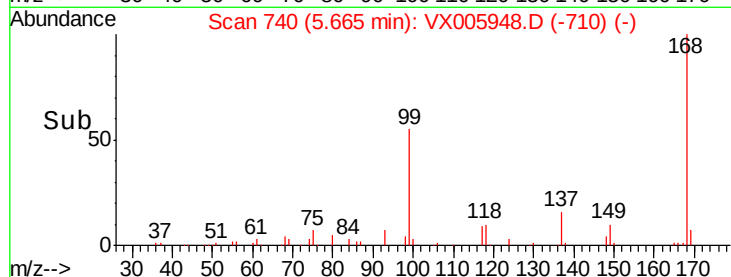
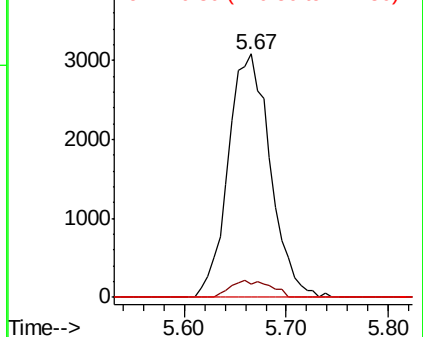
#38
Carbon Tetrachloride
Concen: 6.548 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-181109

Tot Ion:117 Resp: 8818
Ion Ratio Lower Upper
117 100
119 5.2 78.1 117.1#
121 0.0 24.6 36.8#

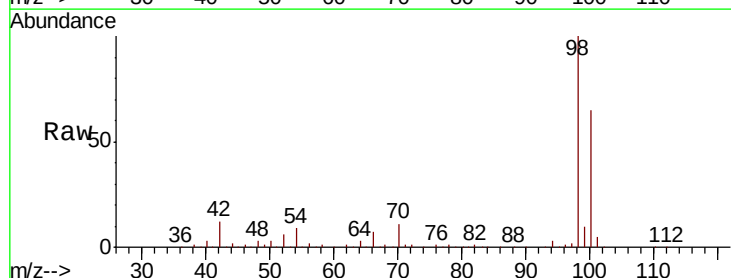


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

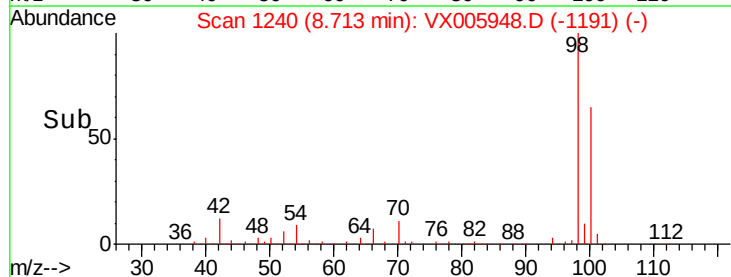
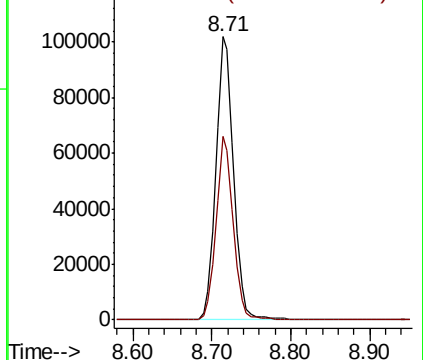


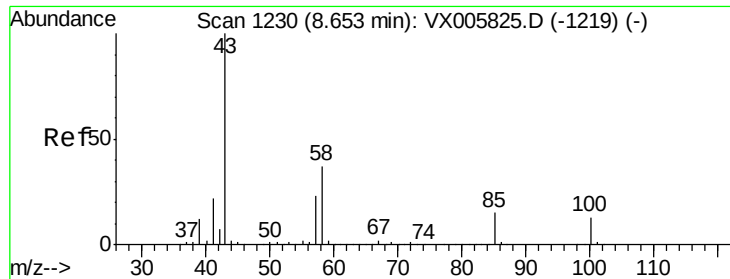
#50
Toluene-d8
Concen: 50.316 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

Tgt Ion: 98 Resp: 158754
Ion Ratio Lower Upper
98 100
100 63.0 51.3 76.9



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

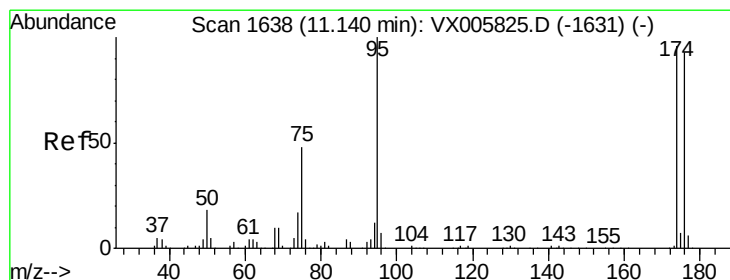
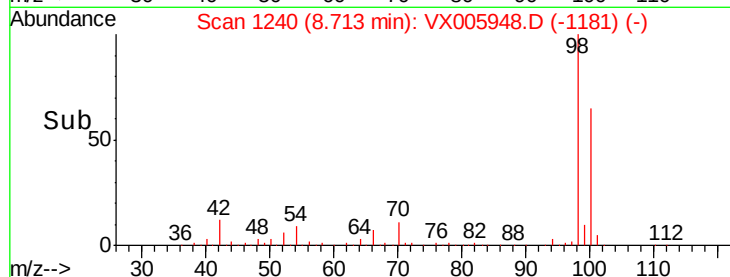
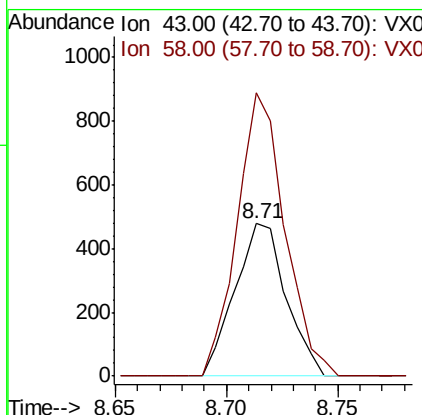
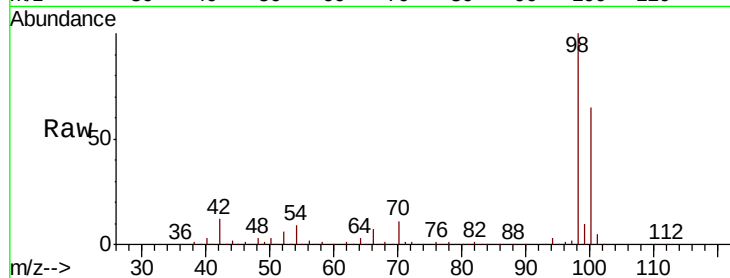




#51
 4-Methyl-2-Pentanone
 Concen: 0.474 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.06 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

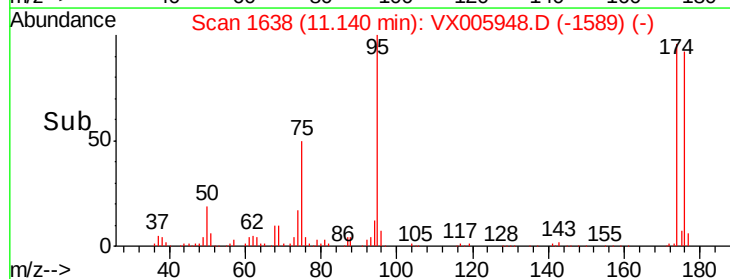
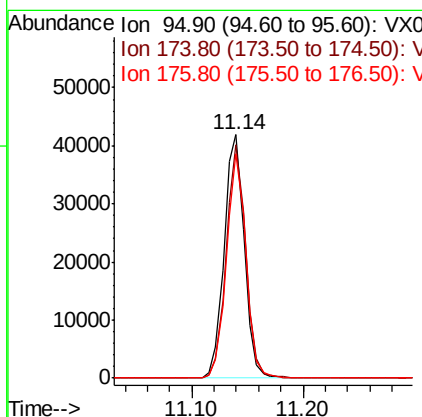
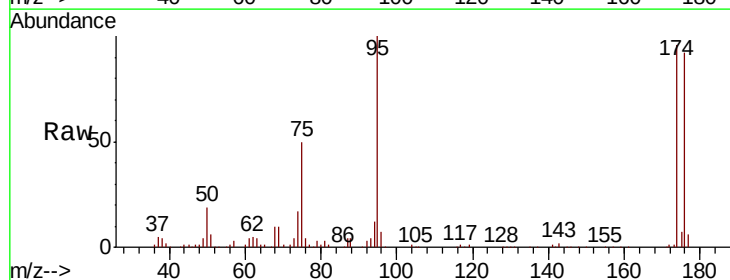
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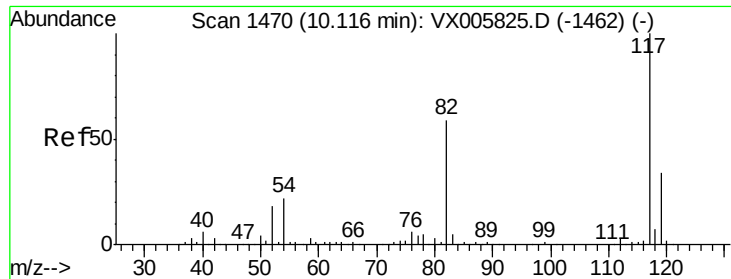
Tot Ion: 43 Resp: 766
 Ion Ratio Lower Upper
 43 100
 58 173.0 29.7 44.5#



#62
 4-Bromofluorobenzene
 Concen: 46.300 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

Tgt Ion: 95 Resp: 52522
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 184.4
 176 88.9 0.0 177.4

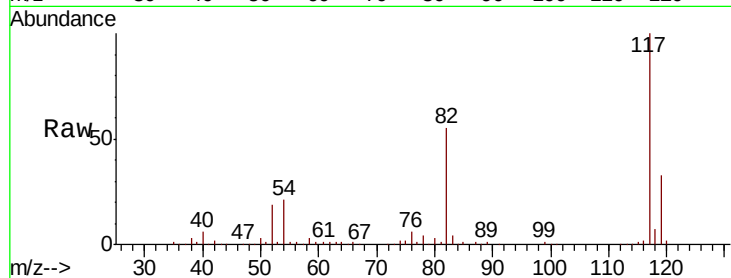




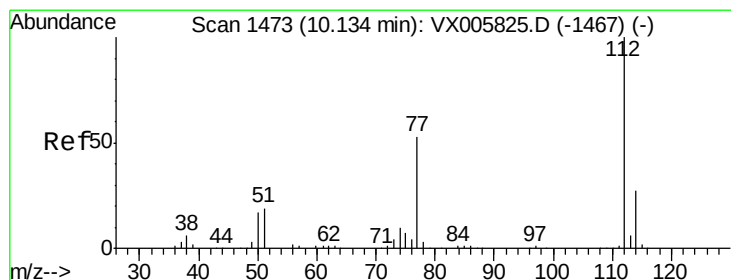
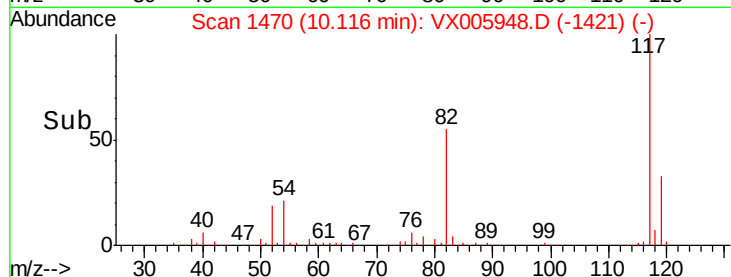
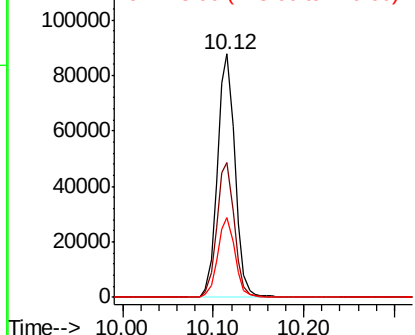
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-181109

Tot Ion:117 Resp: 119323
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 32.9 26.2 39.2

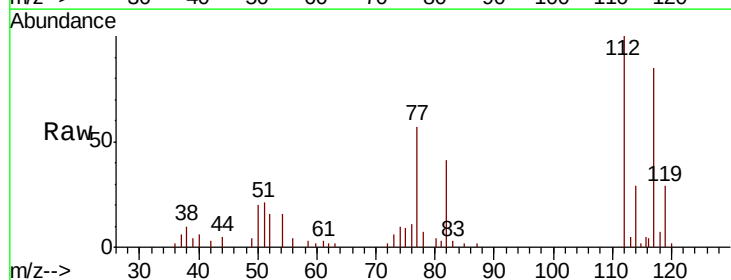


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

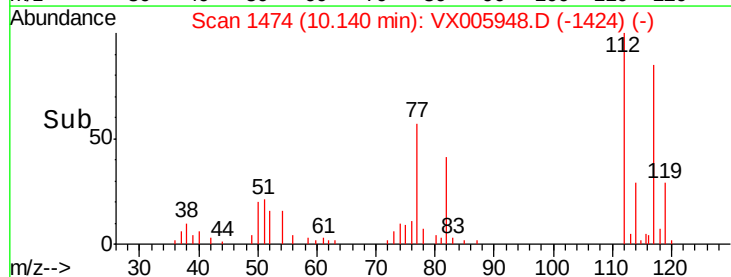
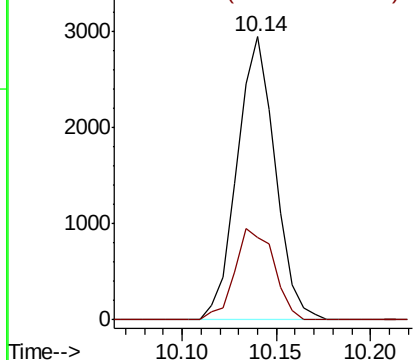


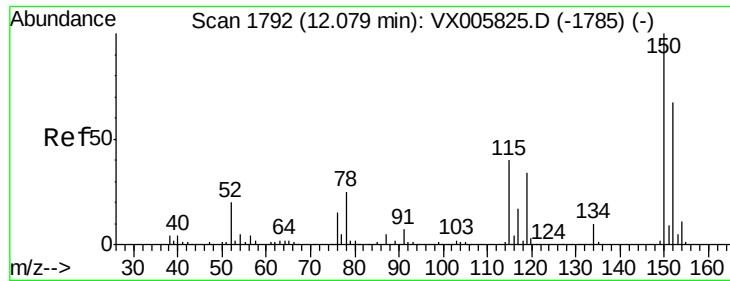
#65
Chlorobenzene
Concen: 1.719 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005948.D
Acq: 13 Nov 2018 15:00

Tgt Ion:112 Resp: 4110
Ion Ratio Lower Upper
112 100
114 29.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

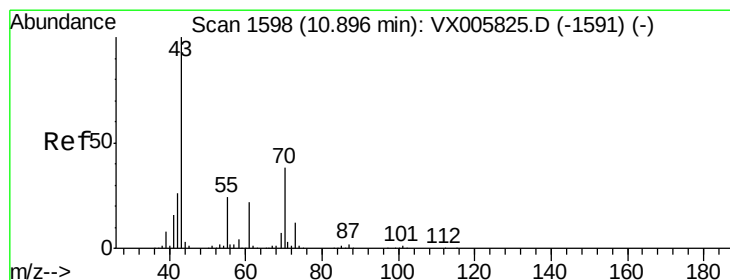
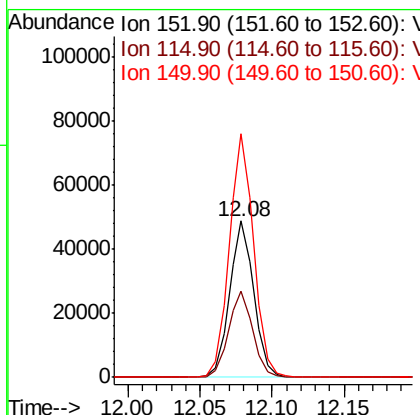
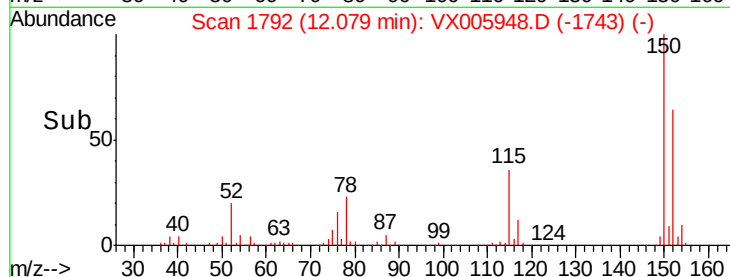
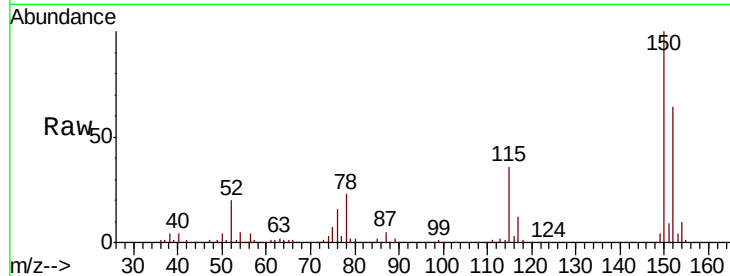




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

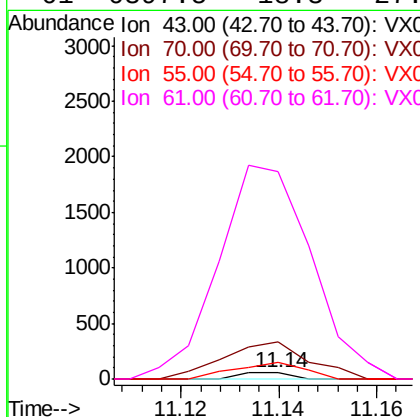
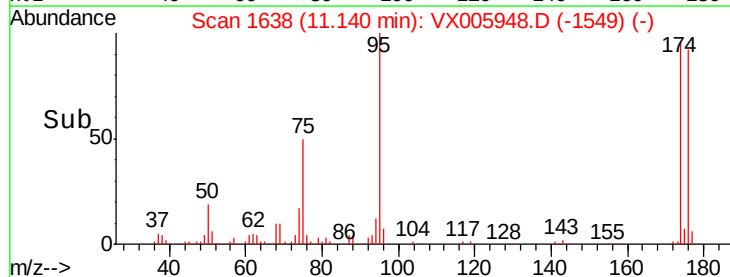
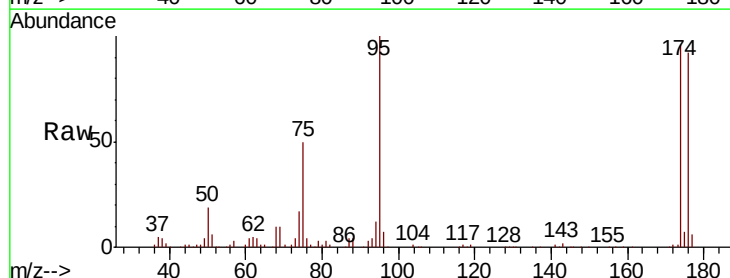
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

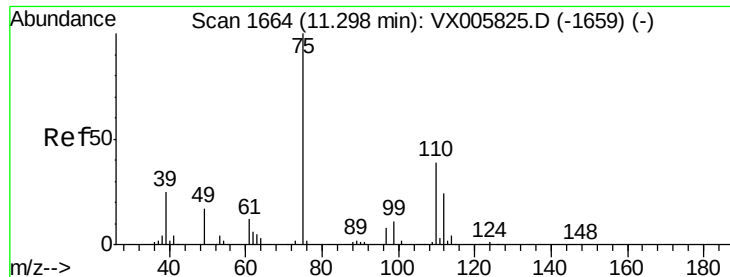
Tot Ion:152 Resp: 57604
 Ion Ratio Lower Upper
 152 100
 115 55.2 39.4 118.1
 150 156.9 0.0 346.4



#74
 N-ethyl acetate
 Concen: 1.272 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.24 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

Tgt Ion: 43 Resp: 40
 Ion Ratio Lower Upper
 43 100
 70 1005.0 31.6 47.4#
 55 367.5 19.7 29.5#
 61 6397.5 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 22.848 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005948.D

Acq: 13 Nov 2018 15:00

Instrument :

MSVOA_X

ClientSampleId :

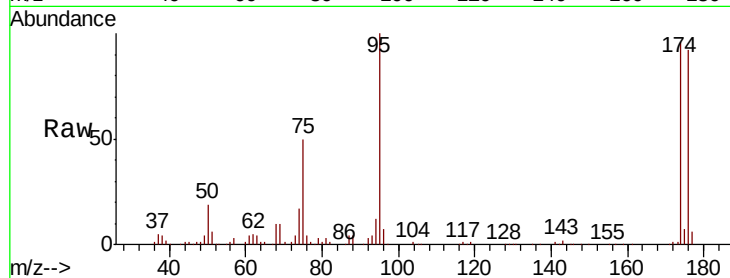
SS003RW114R-181109

Tot Ion: 75 Resp: 26799

Ion Ratio Lower Upper

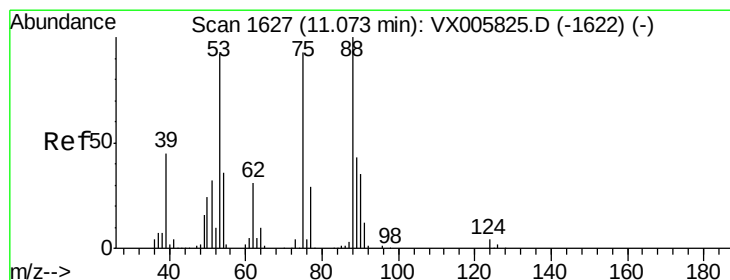
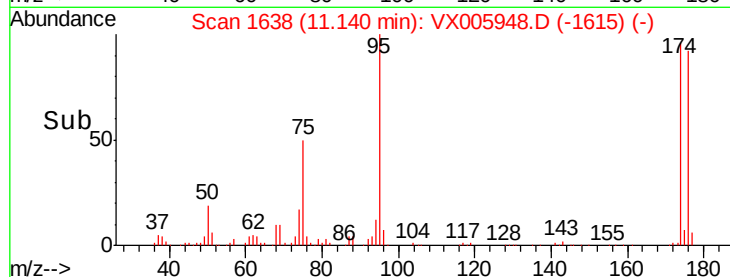
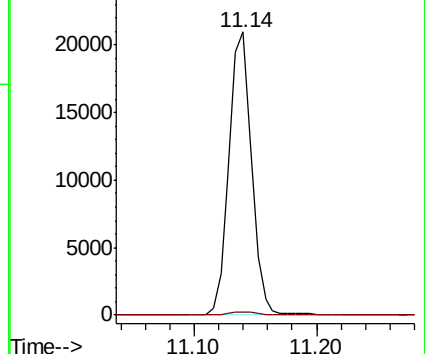
75 100

77 1.4 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: 72.819 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005948.D

Acq: 13 Nov 2018 15:00

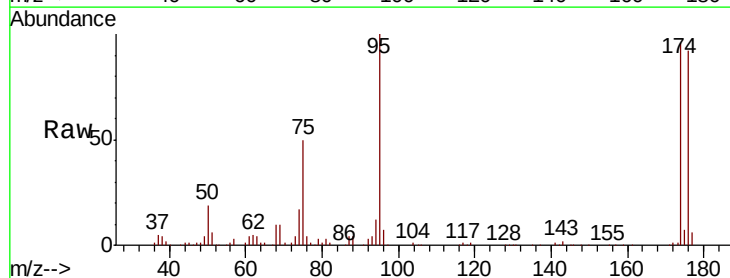
Tgt Ion: 75 Resp: 26799

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

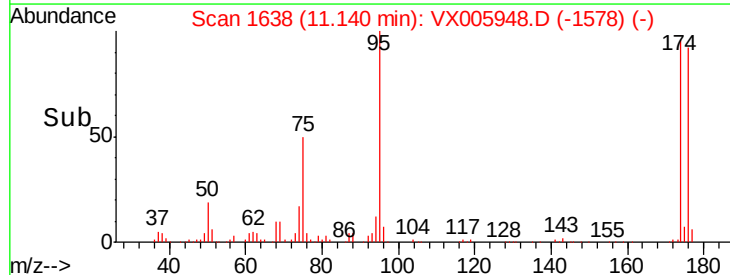
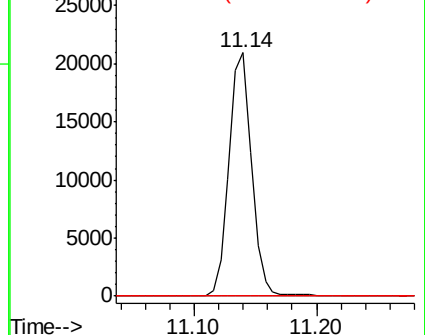
89 0.0 39.8 59.8#

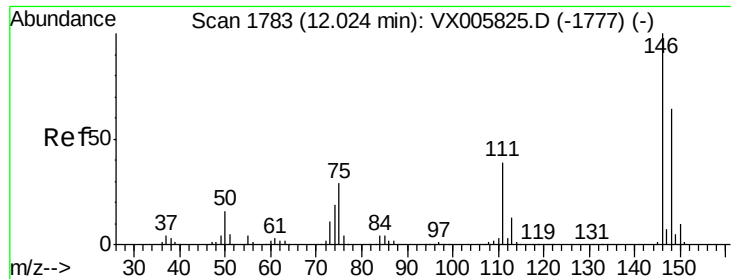


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

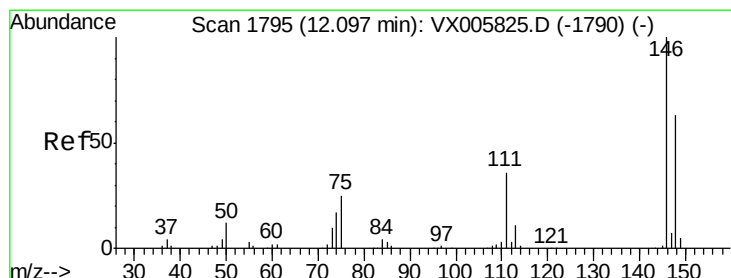
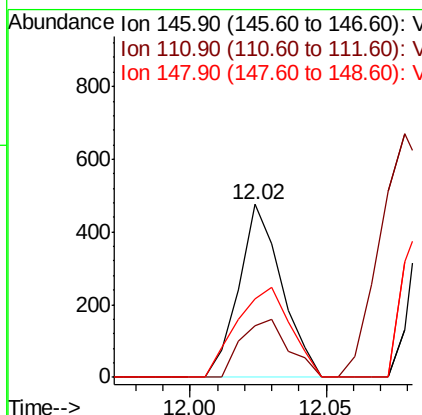
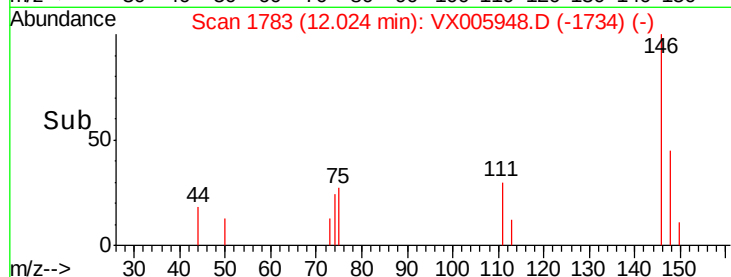
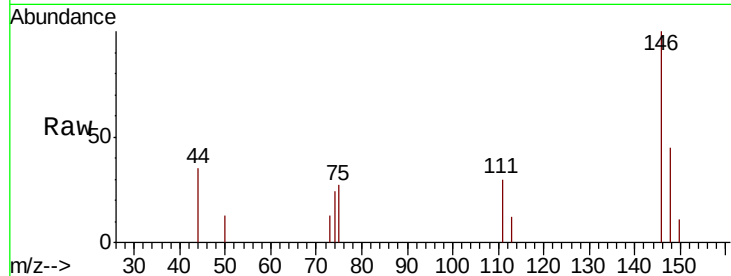




#87
 1,3-Dichlorobenzene
 Concen: 0.290 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

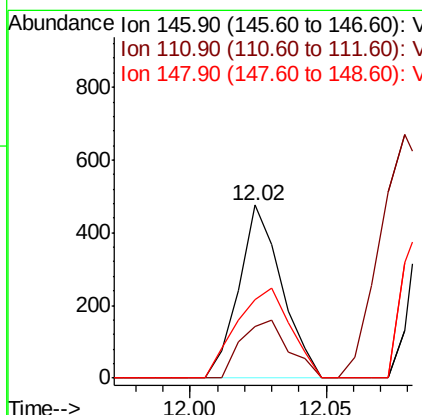
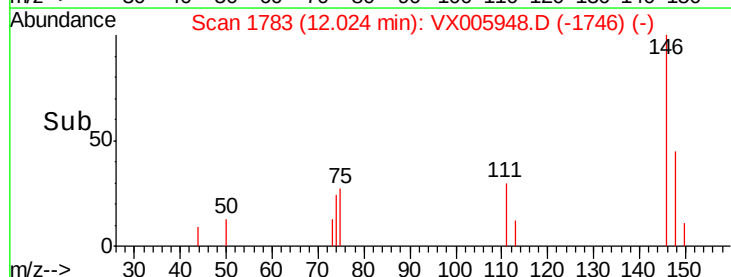
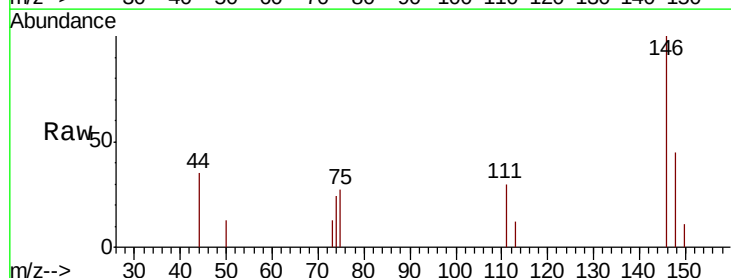
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

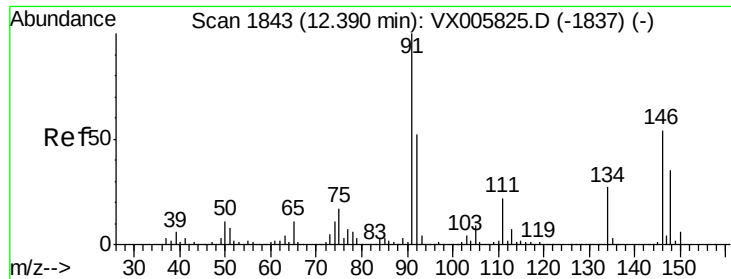
Tot Ion:146 Resp: 522
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.0 57.0
 148 65.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 0.283 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

Tgt Ion:146 Resp: 522
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 65.3 32.1 96.3





#91
 1,2-Dichlorobenzene
 Concen: 3.598 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005948.D
 Acq: 13 Nov 2018 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	64.5	32.2	96.6

