

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005912.D
 Acq On : 12 Nov 2018 20:27
 Operator : JC/MD
 Sample : J5912-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

Quant Time: Nov 13 04:44:08 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	5.67	168	104518	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	152316	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	139988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	68272	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	63856	53.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.28%		
35) Dibromofluoromethane	5.51	113	51825	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.06%		
50) Toluene-d8	8.71	98	184311	53.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.02%		
62) 4-Bromofluorobenzene	11.14	95	63072	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.86%		

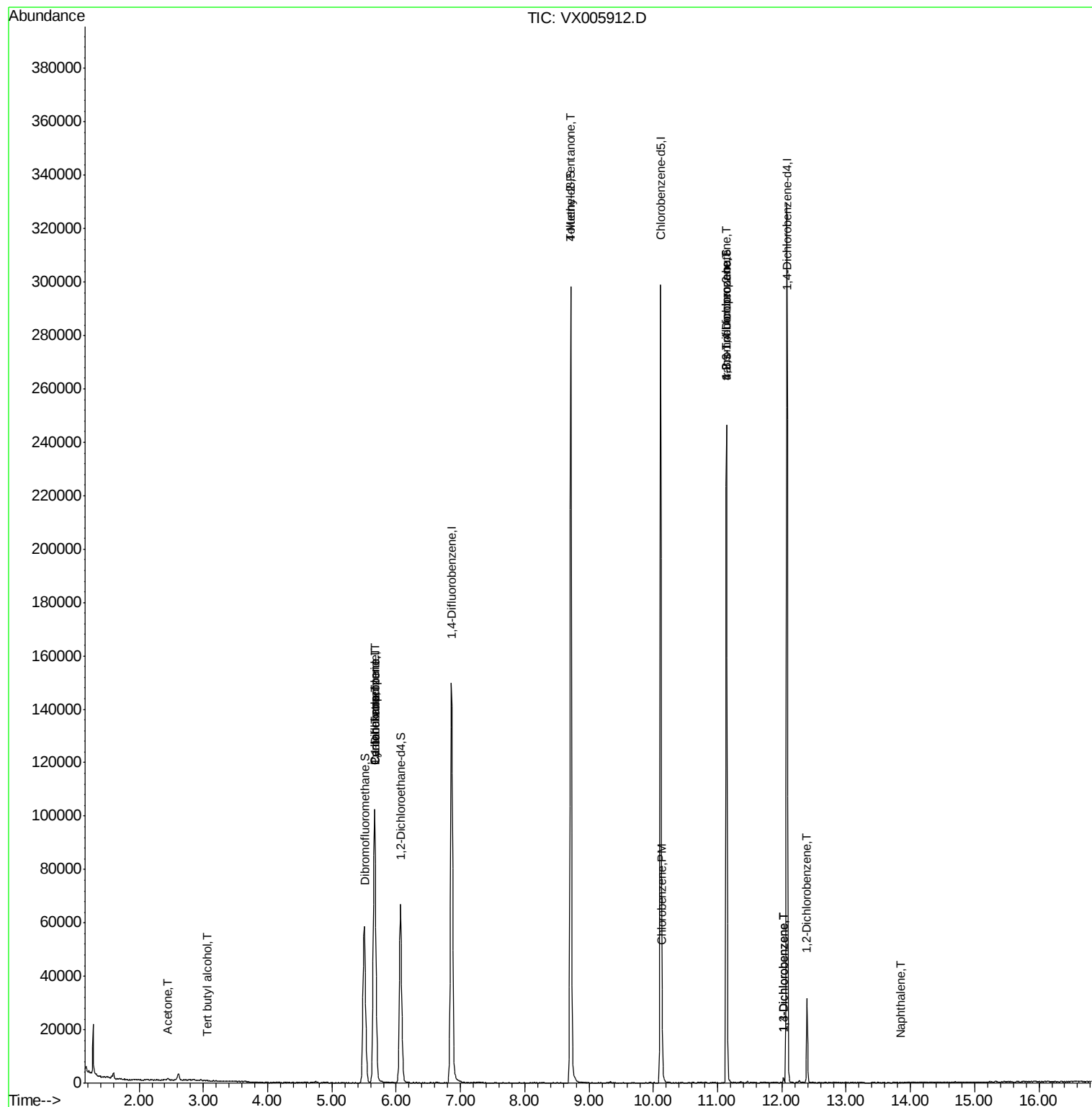
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	116	0.337	ug/l #	72
16) Acetone	2.44	43	583	0.901	ug/l #	79
18) Methyl Acetate	2.78	43	349	Below Cal	#	55
31) Cyclohexane	5.67	56	1905	1.138	ug/l #	19
36) 1,1-Dichloropropene	5.66	75	7030	4.788	ug/l #	49
38) Carbon Tetrachloride	5.66	117	9675	6.582	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	818	0.464	ug/l #	1
65) Chlorobenzene	10.14	112	5112	1.823	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	31428	22.607	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	31428	72.053	ug/l #	9
87) 1,3-Dichlorobenzene	12.02	146	809	0.379	ug/l	99
88) 1,4-Dichlorobenzene	12.02	146	809	0.370	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	10745	5.022	ug/l	99
95) Naphthalene	13.84	128	67	1.191	ug/l #	69

(#) = 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: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

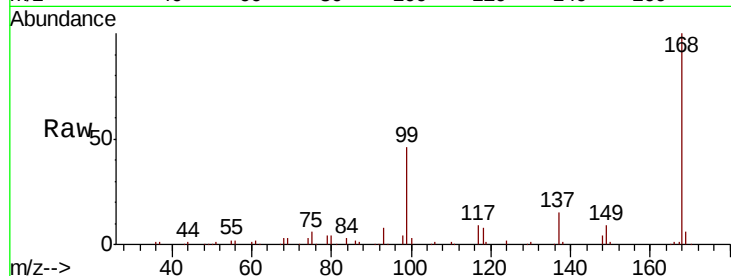
SS003RW114R-181109

Tot Ion:168 Resp: 104518

Ion Ratio Lower Upper

168 100

99 46.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

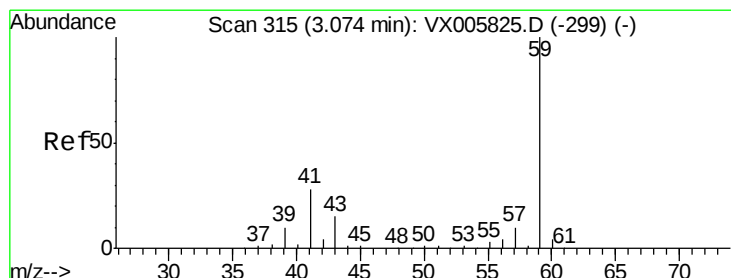
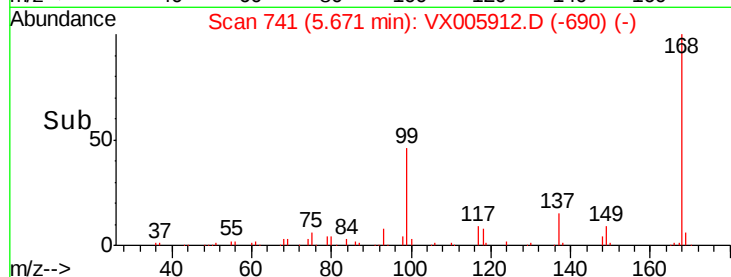
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.337 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX005912.D

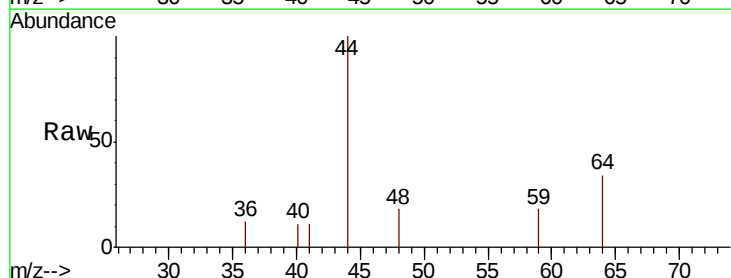
Acq: 12 Nov 2018 20:27

Tgt Ion: 59 Resp: 116

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

120

100

80

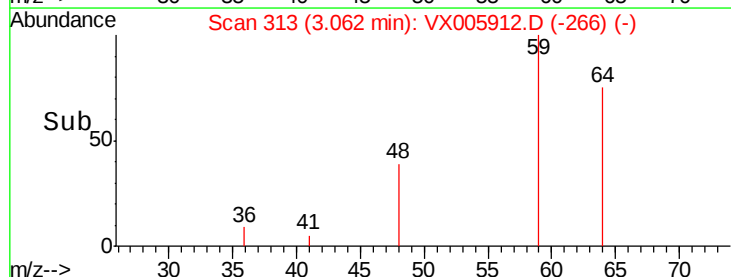
60

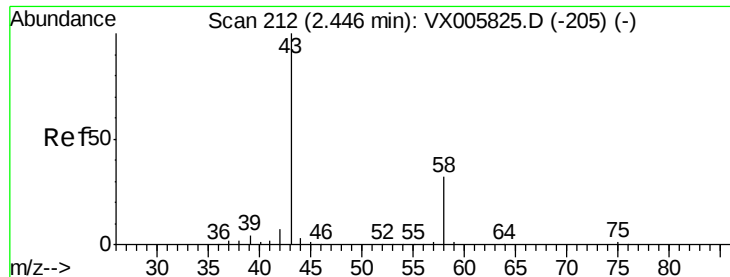
40

20

0

Time--> 3.04 3.06 3.08





#16

Acetone

Concen: 0.901 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

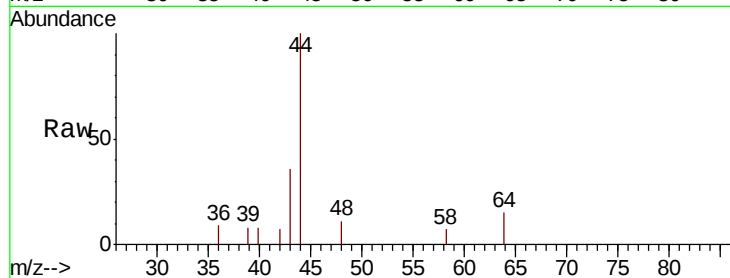
SS003RW114R-181109

Tot Ion: 43 Resp: 583

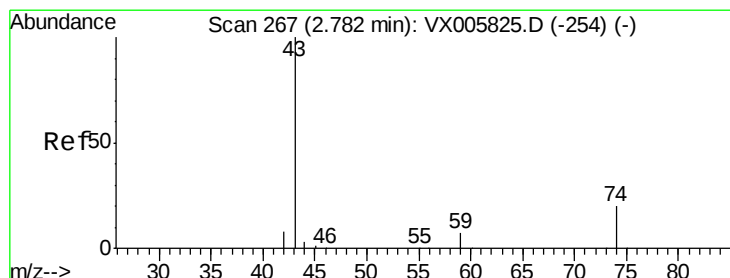
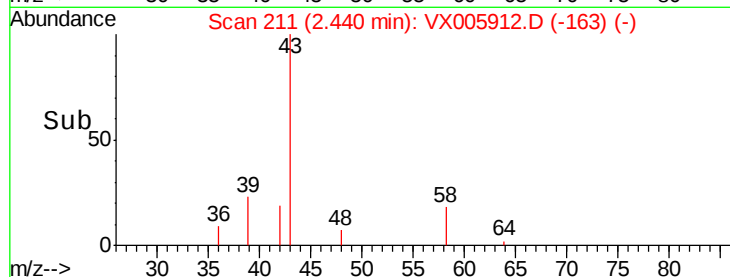
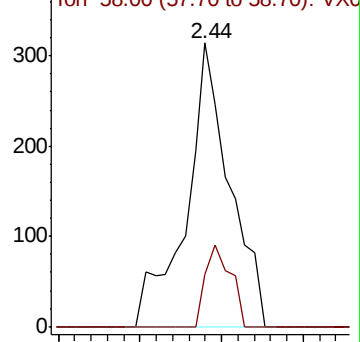
Ion Ratio Lower Upper

43 100

58 18.5 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005912.D

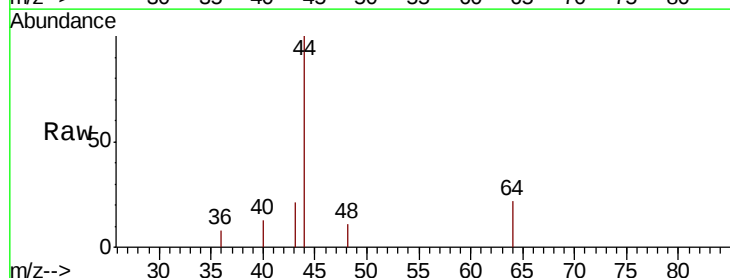
Acq: 12 Nov 2018 20:27

Tgt Ion: 43 Resp: 349

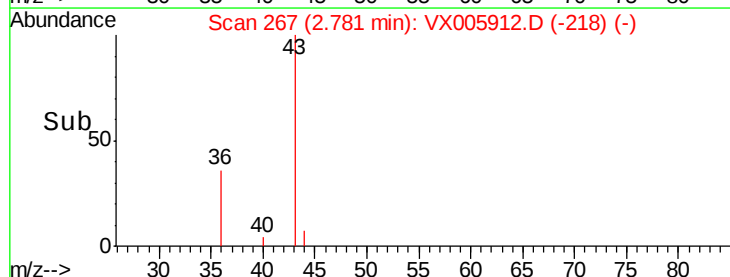
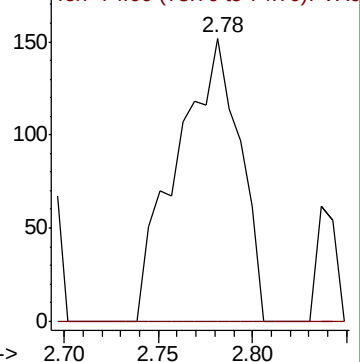
Ion Ratio Lower Upper

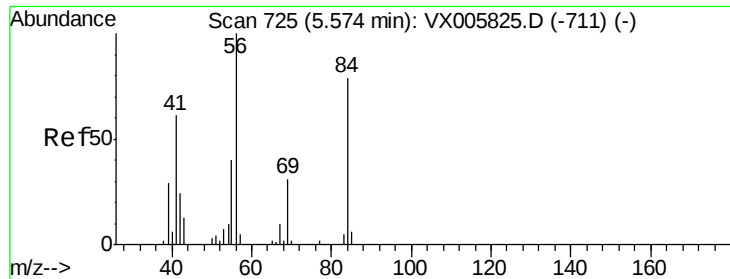
43 100

74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

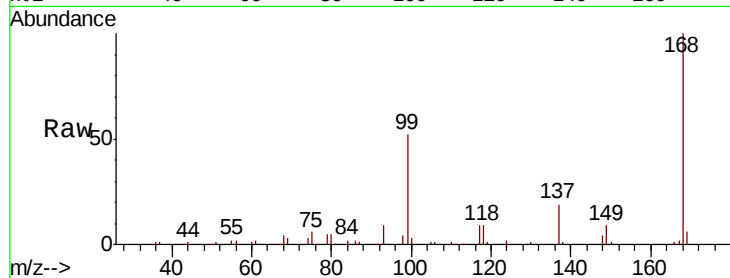




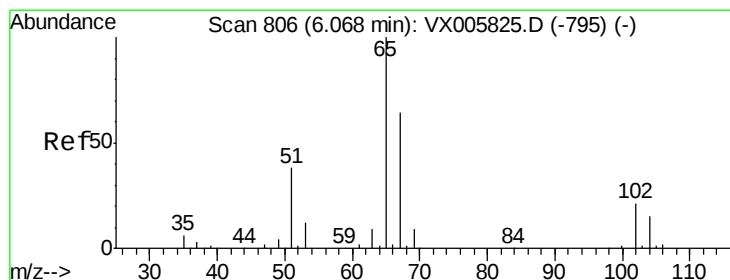
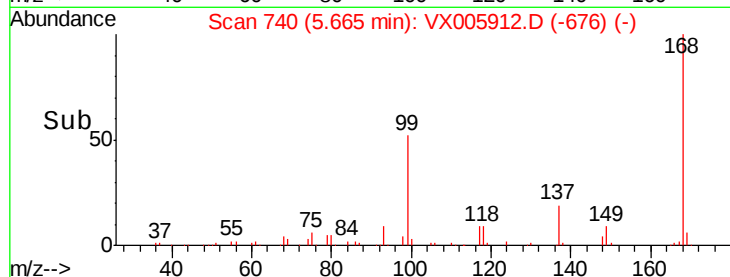
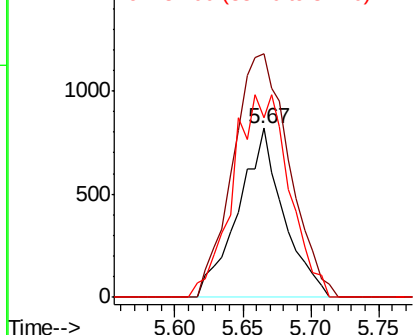
#31
Cyclohexane
Concen: 1.138 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005912.D
Acq: 12 Nov 2018 20:27

Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-181109

Tot Ion: 56 Resp: 1905
Ion Ratio Lower Upper
56 100
69 143.8 22.6 34.0#
84 106.1 62.7 94.1#

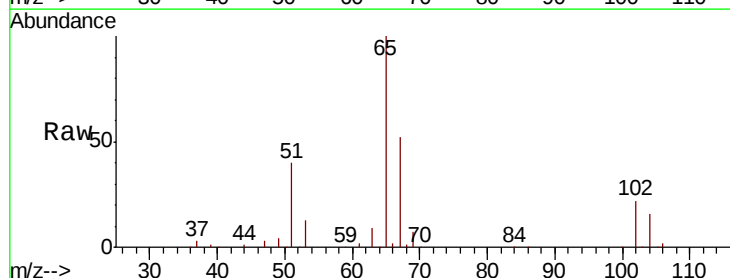


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

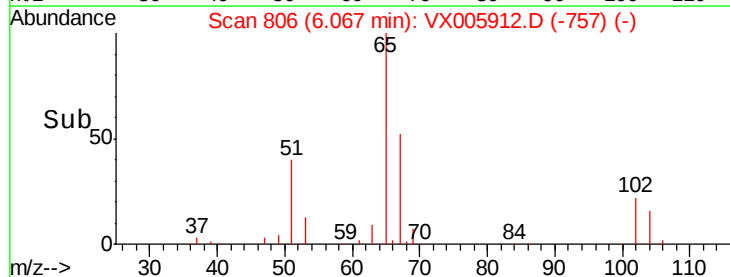
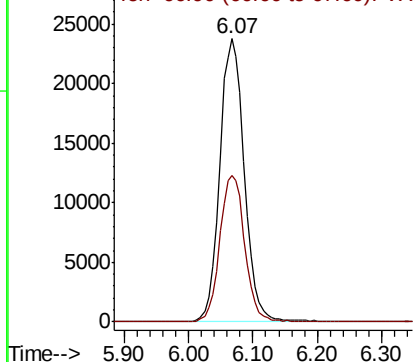


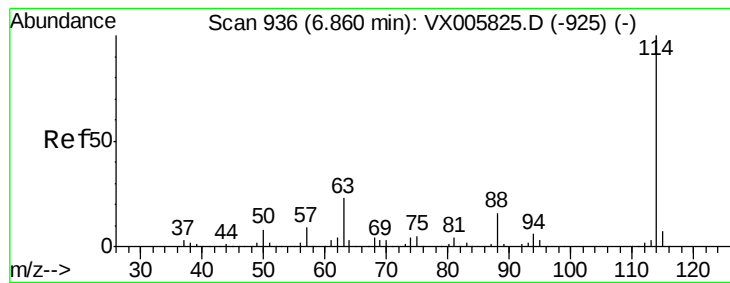
#33
1,2-Dichloroethane-d4
Concen: 53.144 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005912.D
Acq: 12 Nov 2018 20:27

Tgt Ion: 65 Resp: 63856
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-181109

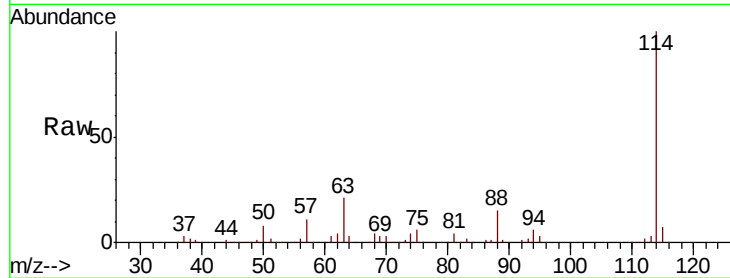
Tot Ion:114 Resp: 152316

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

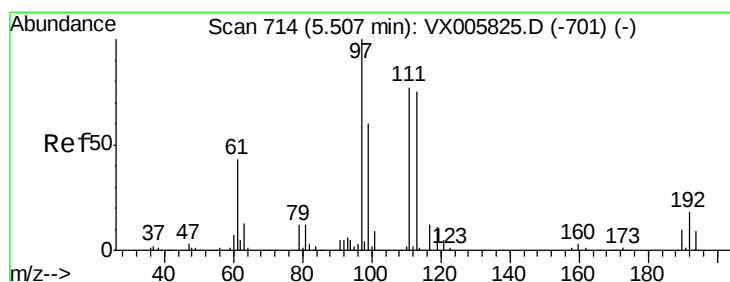
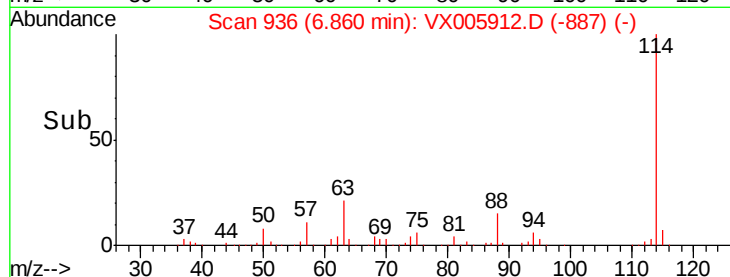
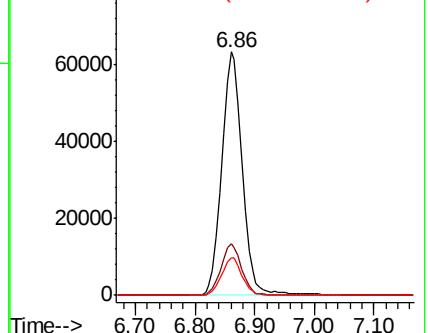
88 15.4 0.0 31.2



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: 50.025 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

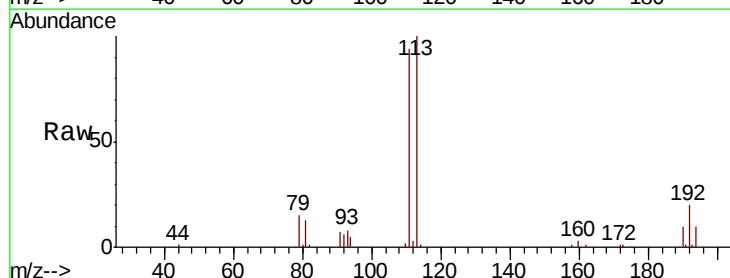
Tgt Ion:113 Resp: 51825

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

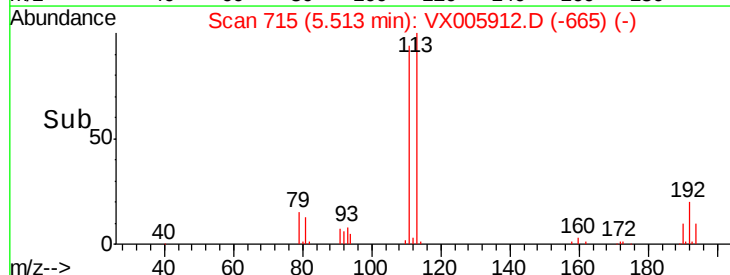
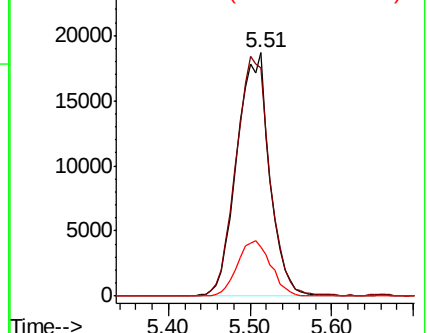
192 23.4 17.9 26.9

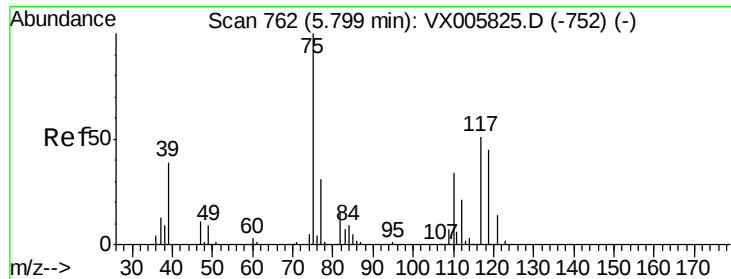


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

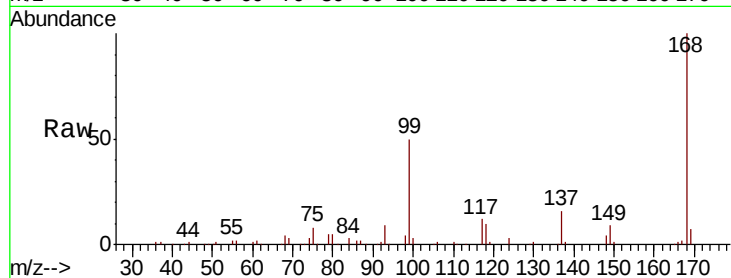




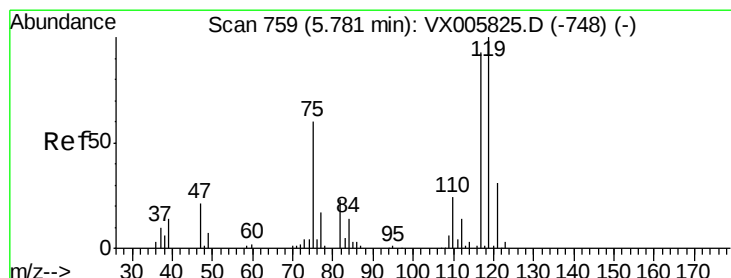
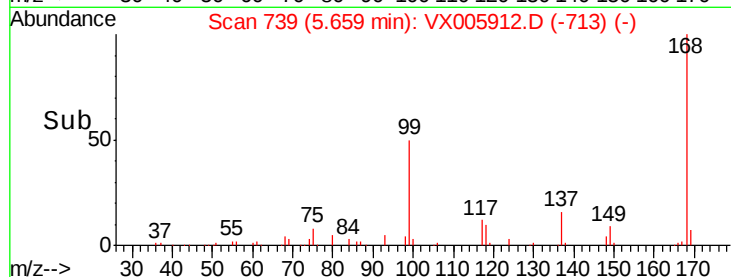
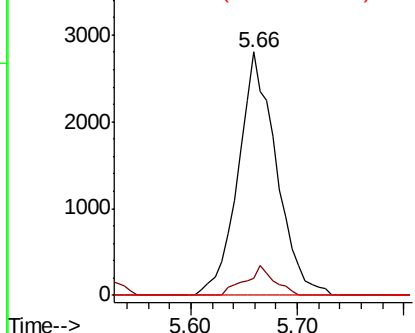
#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005912.D
 Acq: 12 Nov 2018 20:27

Instrument :
 MSVOA_X
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 SS003RW114R-181109

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.4	52.2#
77	0.0	25.8	38.6#

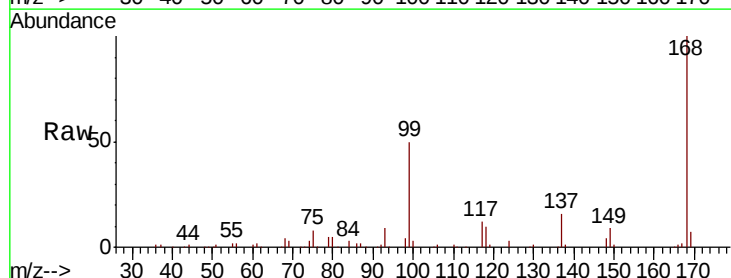


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

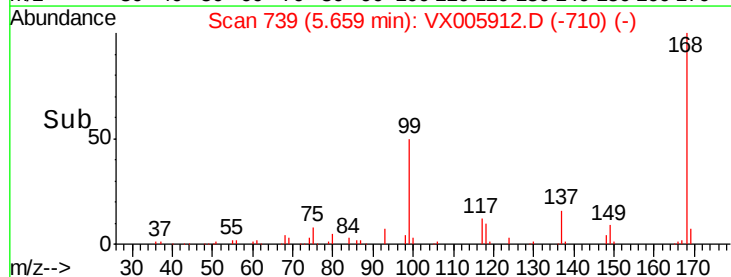
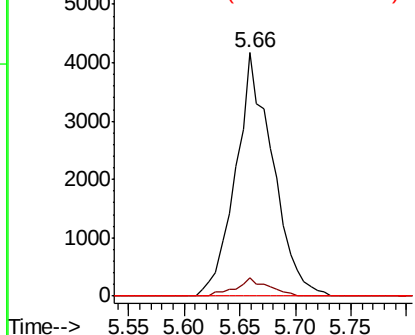


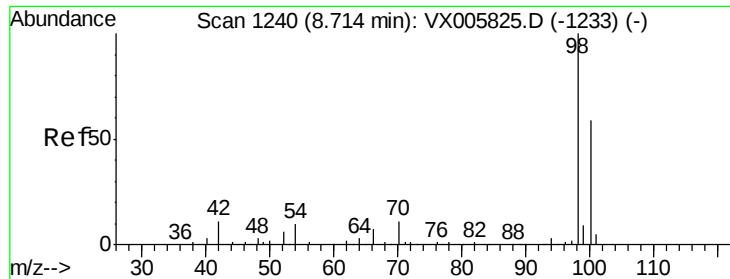
#38
 Carbon Tetrachloride
 Concen: 6.582 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005912.D
 Acq: 12 Nov 2018 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	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: 53.514 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

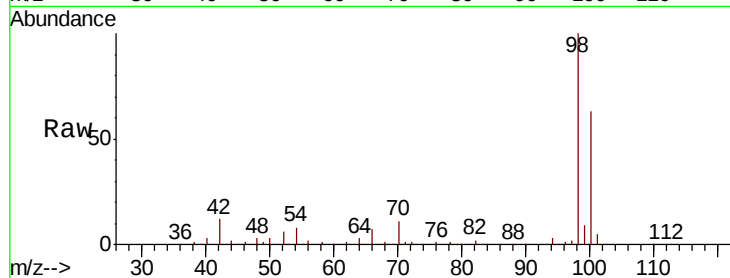
SS003RW114R-181109

Tot Ion: 98 Resp: 184311

Ion Ratio Lower Upper

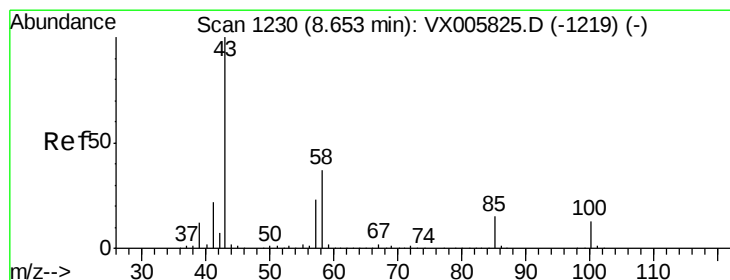
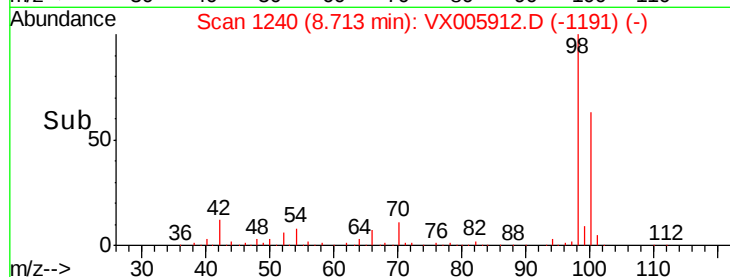
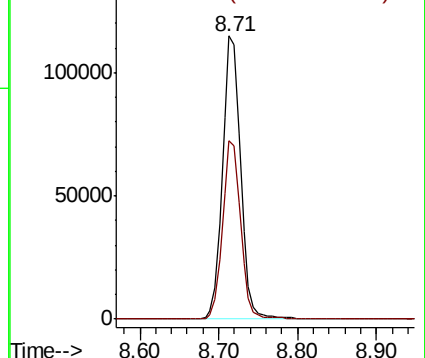
98 100

100 62.9 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: 0.464 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005912.D

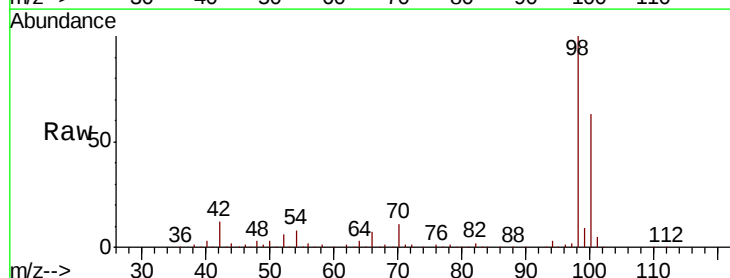
Acq: 12 Nov 2018 20:27

Tgt Ion: 43 Resp: 818

Ion Ratio Lower Upper

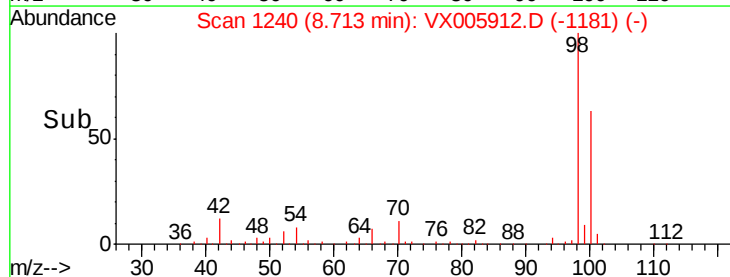
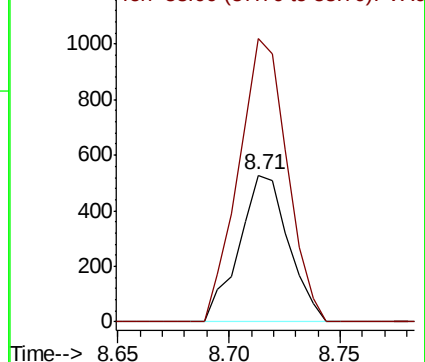
43 100

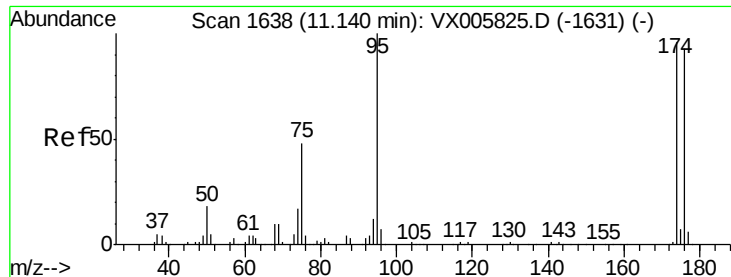
58 189.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.934 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

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SS003RW114R-181109

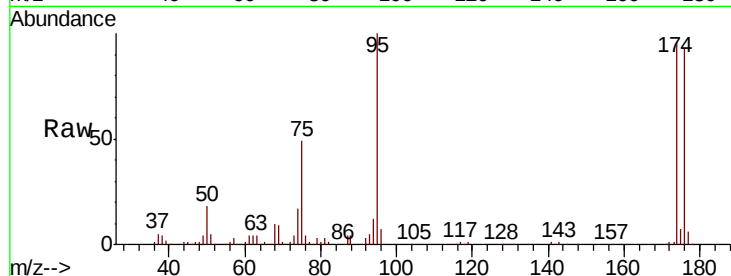
Tot Ion: 95 Resp: 63072

Ion Ratio Lower Upper

95 100

174 92.4 0.0 184.4

176 89.3 0.0 177.4

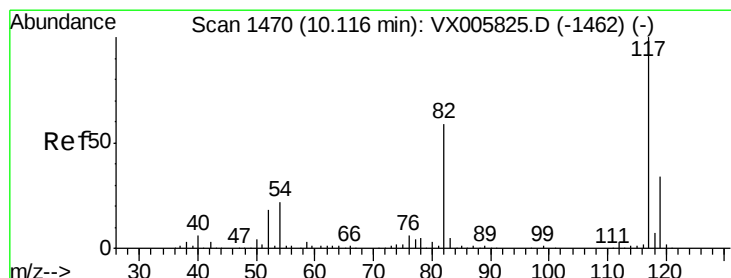
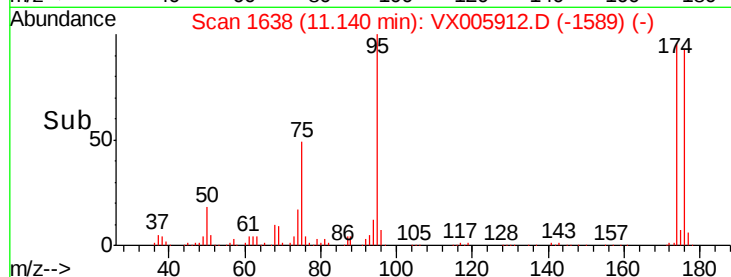


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

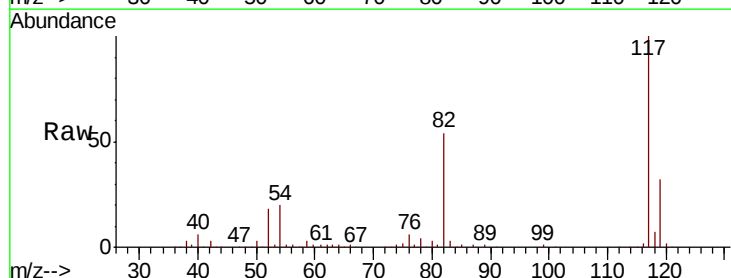
Tgt Ion: 117 Resp: 139988

Ion Ratio Lower Upper

117 100

82 54.5 44.1 66.1

119 32.2 26.2 39.2

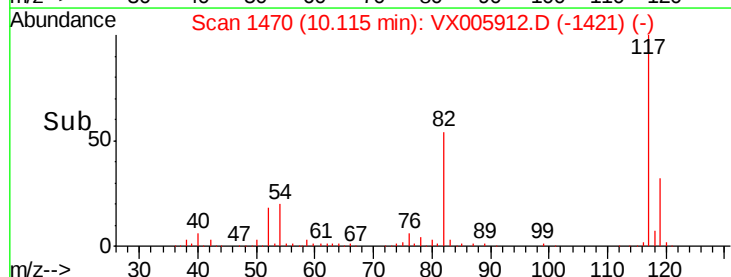


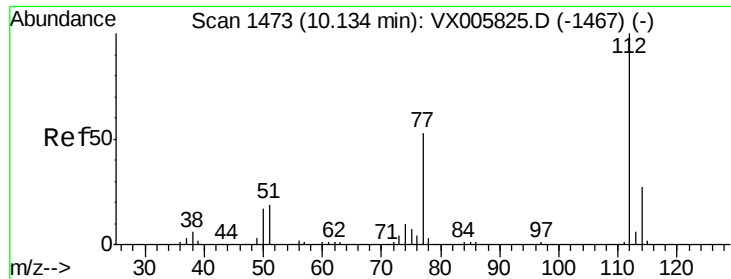
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

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

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

Time-->

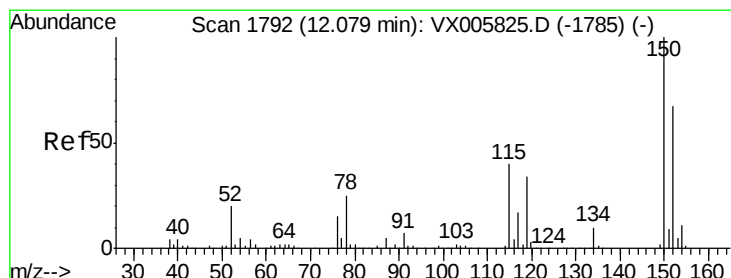
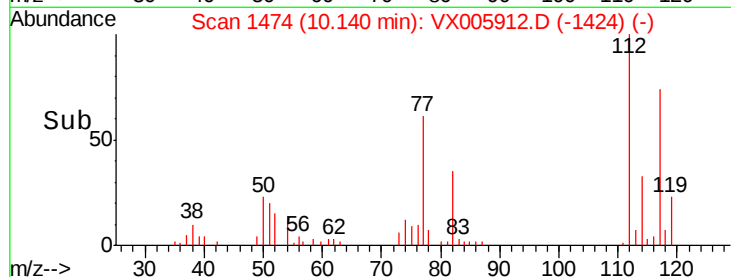
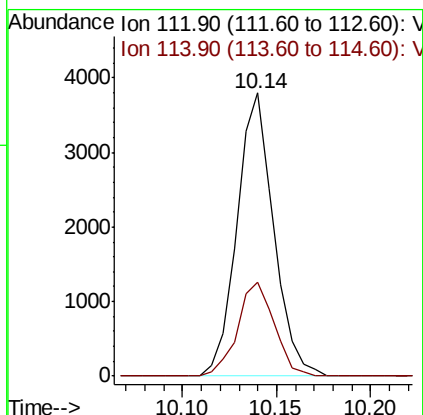
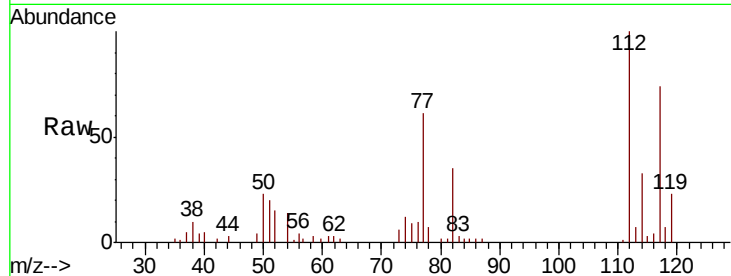




#65
Chlorobenzene
Concen: 1.823 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005912.D
Acq: 12 Nov 2018 20:27

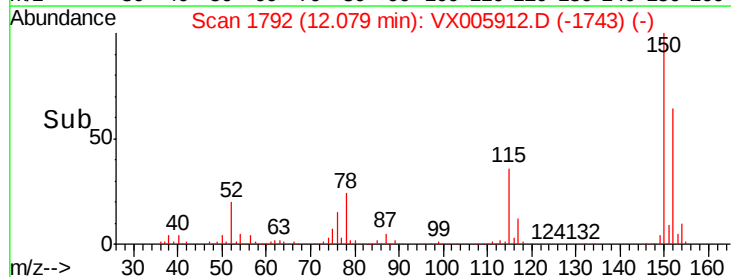
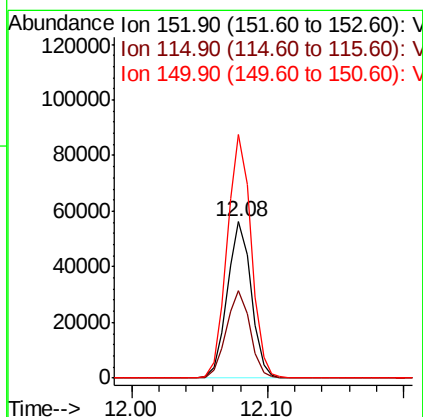
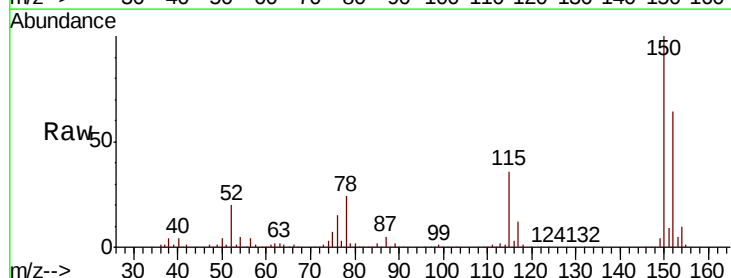
Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-181109

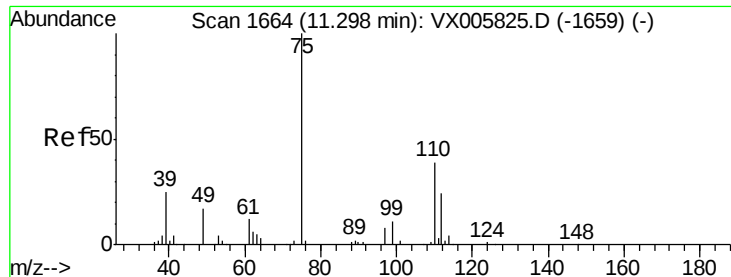
Tot Ion:112 Resp: 5112
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005912.D
Acq: 12 Nov 2018 20:27

Tgt Ion:152 Resp: 68272
Ion Ratio Lower Upper
152 100
115 55.8 39.4 118.1
150 157.4 0.0 346.4

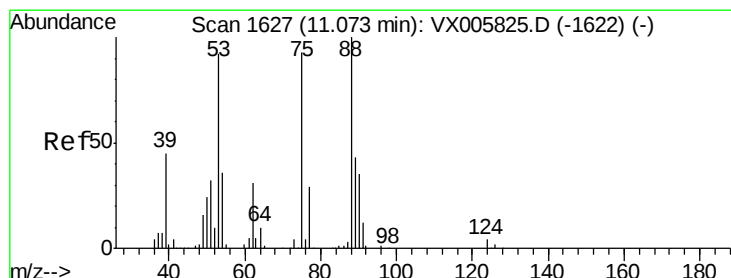
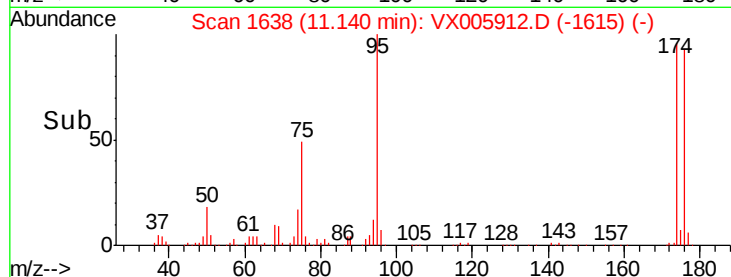
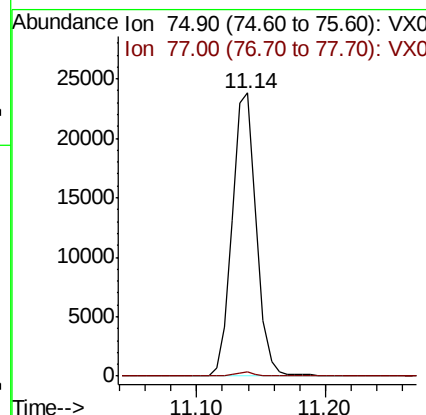
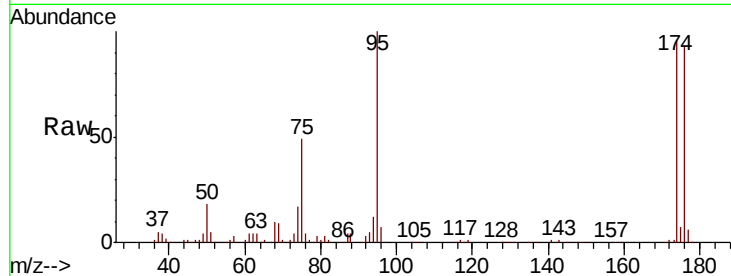




#76
 1,2,3-Trichloropropane
 Concen: 22.607 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005912.D
 Acq: 12 Nov 2018 20:27

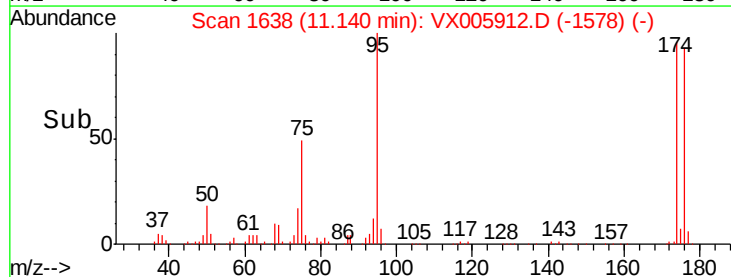
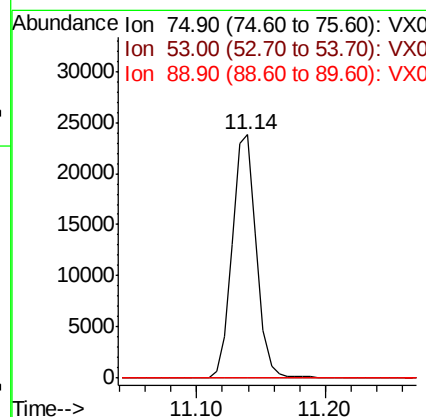
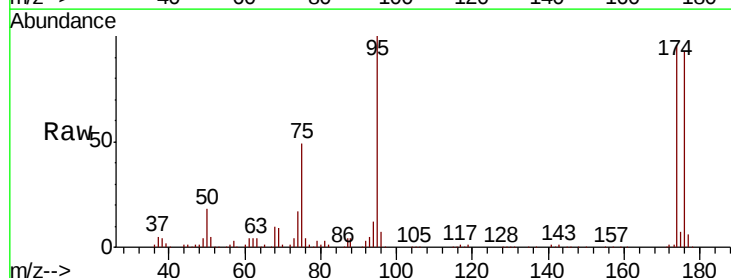
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

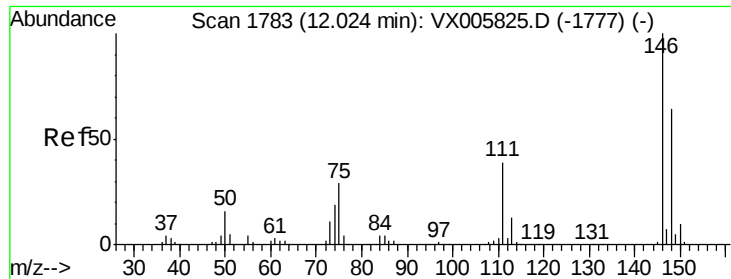
Tot Ion: 75 Resp: 31428
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.053 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005912.D
 Acq: 12 Nov 2018 20:27

Tgt Ion: 75 Resp: 31428
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.2#
 89 0.0 39.8 59.8#





#87

1,3-Dichlorobenzene

Concen: 0.379 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-181109

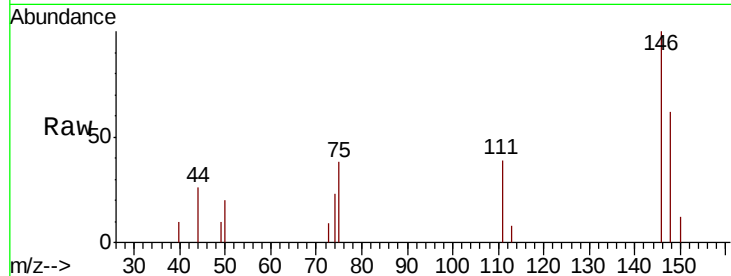
Tot Ion:146 Resp: 809

Ion Ratio Lower Upper

146 100

111 37.3 19.0 57.0

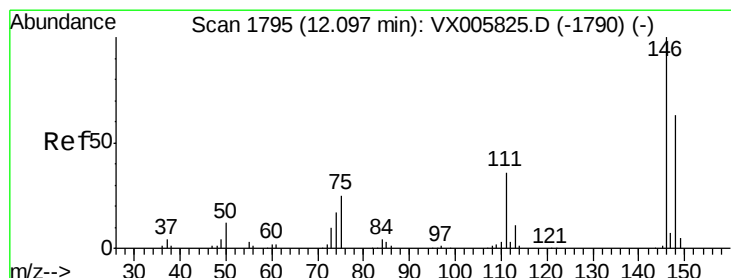
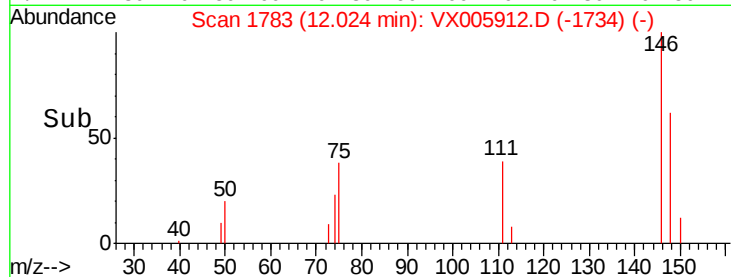
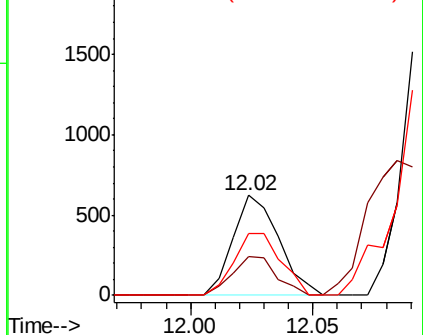
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.370 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX005912.D

Acq: 12 Nov 2018 20:27

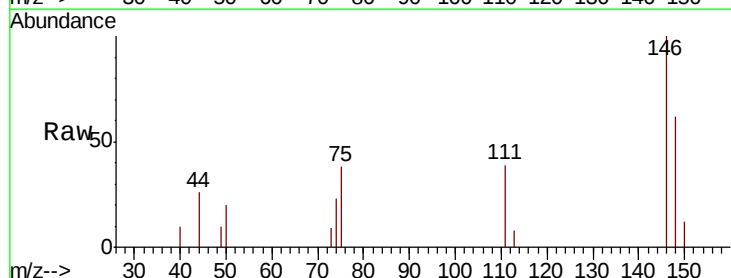
Tgt Ion:146 Resp: 809

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

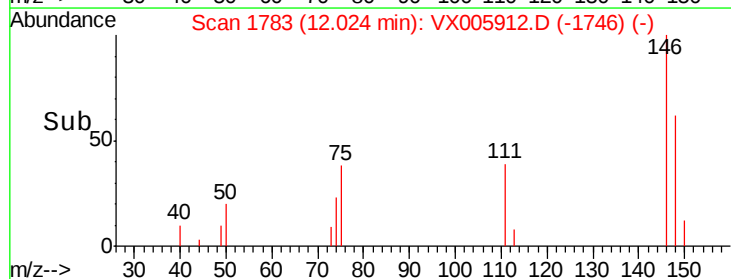
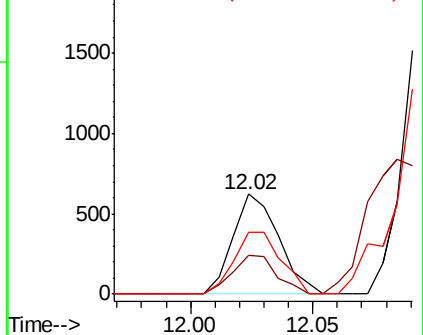
148 63.5 32.1 96.3

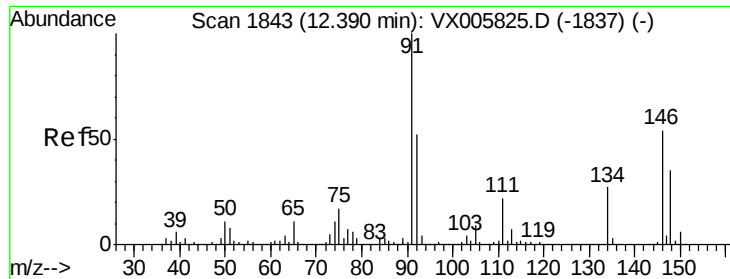


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

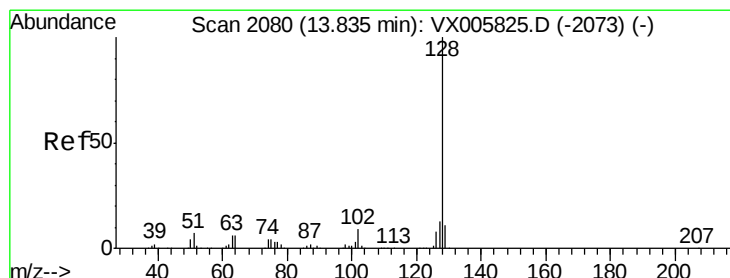
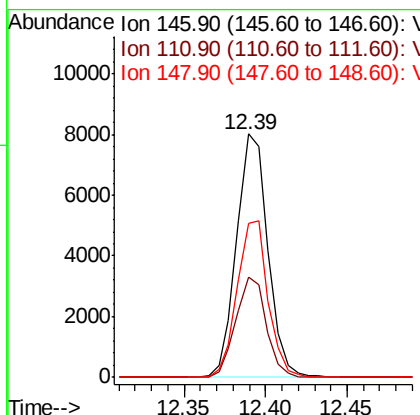
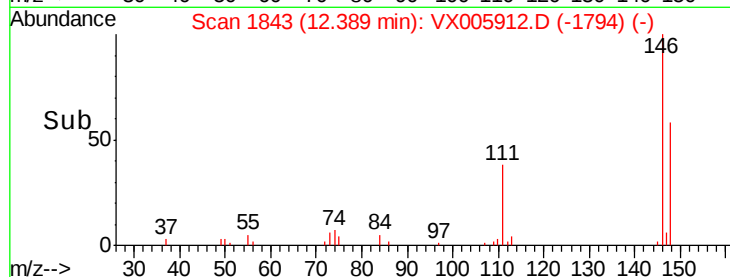
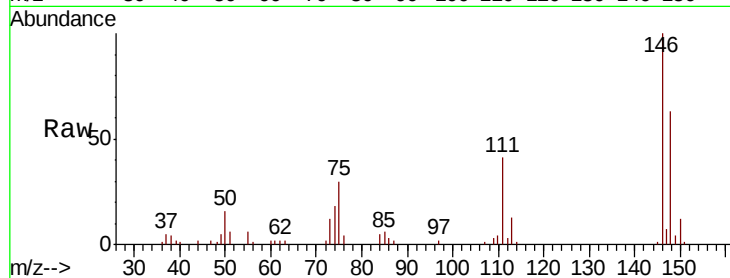




#91
 1,2-Dichlorobenzene
 Concen: 5.022 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005912.D
 Acq: 12 Nov 2018 20:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-181109

Tot Ion:146 Resp: 10745
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 59.9
 148 63.2 32.2 96.6



#95
 Naphthalene
 Concen: 1.191 ug/l
 RT: 13.84 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VX005912.D
 Acq: 12 Nov 2018 20:27

Tgt Ion:128 Resp: 67
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.7 13.1#

