

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005410.D
 Acq On : 18 Oct 2018 00:41
 Operator : JC/MD
 Sample : J5569-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5

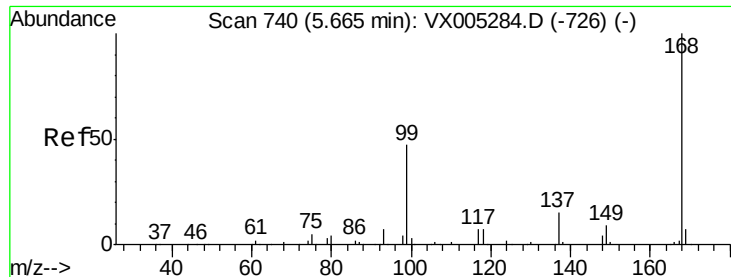
Quant Time: Oct 18 11:04:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174191	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	157596	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	5.50	113	127978	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	480795	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.14	95	159214	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	582	0.904	ug/l	90
6) Chloroethane	1.67	64	52	0.360	ug/l #	44
10) Methyl Iodide	2.51	142	169	2.548	ug/l #	80
11) Tert butyl alcohol	3.06	59	639	0.735	ug/l	98
13) Acrolein	2.29	56	116	Below Cal	#	1
16) Acetone	2.45	43	5582	3.130	ug/l	97
18) Methyl Acetate	2.62	43	3326	0.656	ug/l #	51
20) Methylene Chloride	2.86	84	460	Below Cal	#	64
31) Cyclohexane	5.66	56	4566	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17873	4.609	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24434	6.271	ug/l #	15
44) Trichloroethene	7.20	130	22	Below Cal		4
51) 4-Methyl-2-Pentanone	8.71	43	2039	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	76652	22.686	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	76652	68.931	ug/l #	10

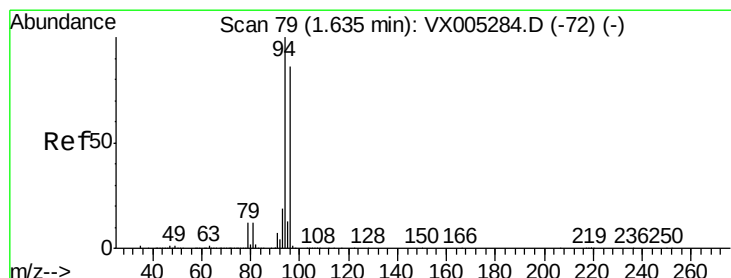
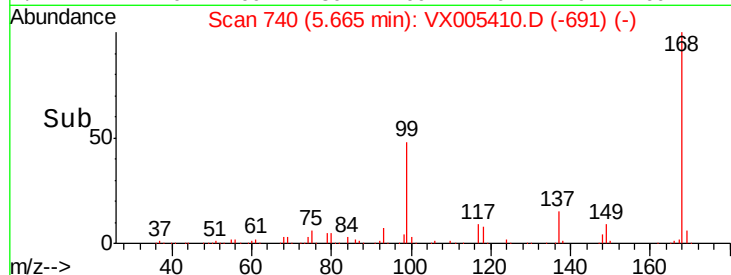
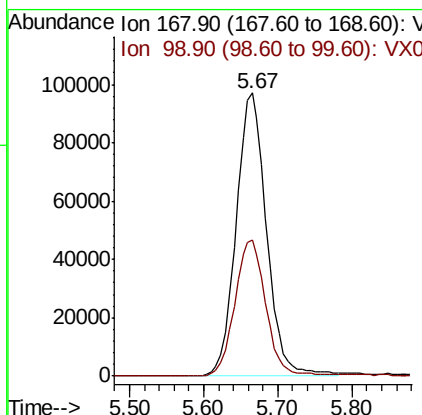
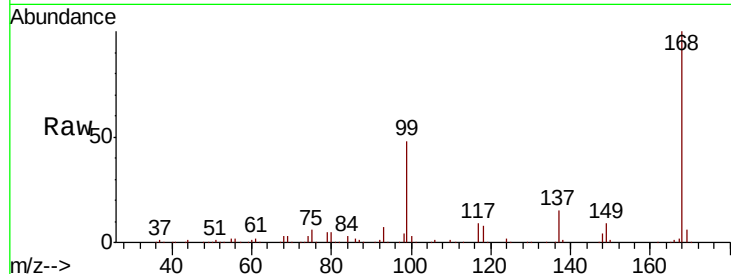
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

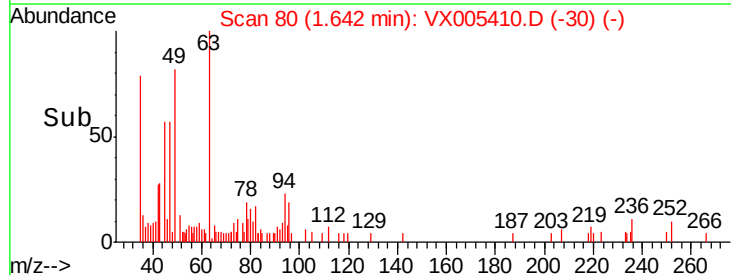
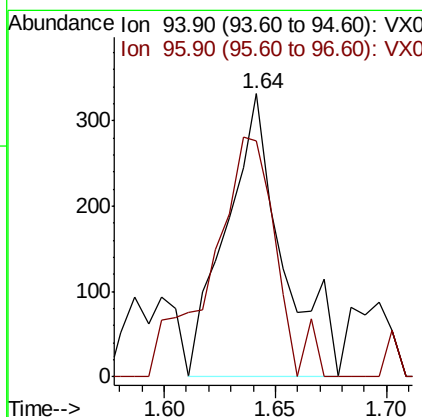
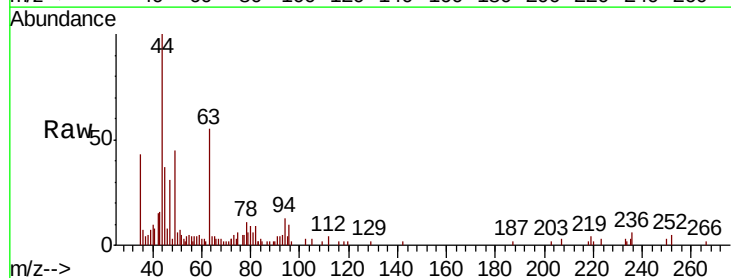
Instrument :
MSVOA_X
ClientSampled :
RLF-SW-5

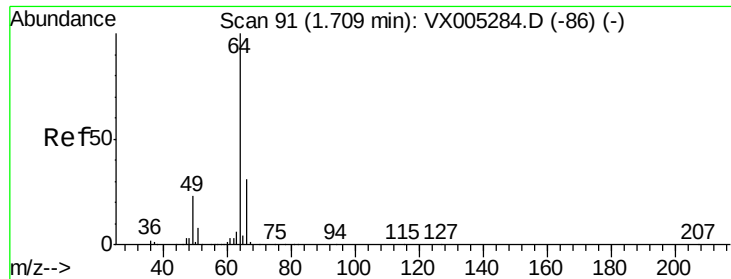
Tot Ion:168 Resp: 277879
Ion Ratio Lower Upper
168 100
99 48.2 39.9 59.9



#5
Bromomethane
Concen: 0.904 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 83.1 74.5 111.7





#6

Chloroethane

Concen: 0.360 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

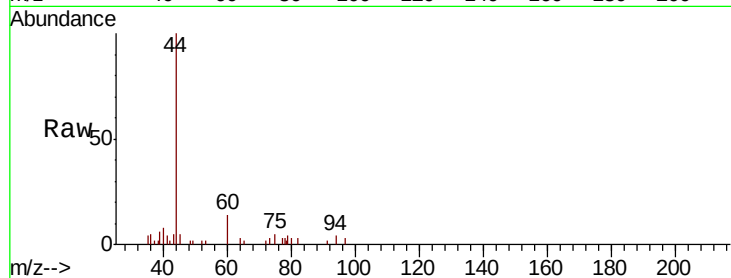
RLF-SW-5

Tot Ion: 64 Resp: 52

Ion Ratio Lower Upper

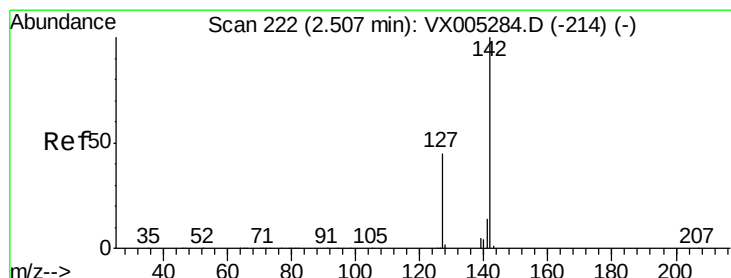
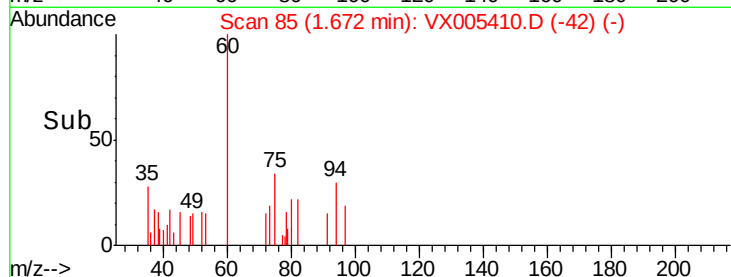
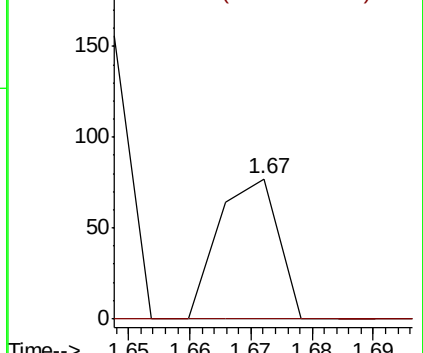
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.548 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

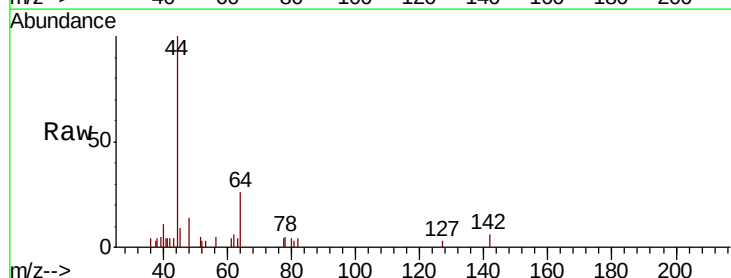
Tgt Ion: 142 Resp: 169

Ion Ratio Lower Upper

142 100

127 51.5 33.8 50.6#

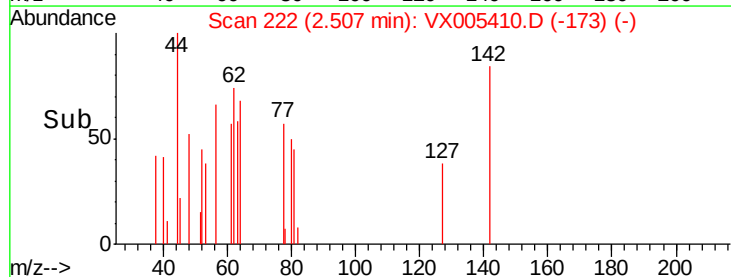
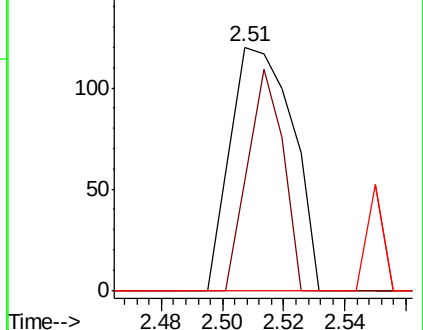
141 0.0 11.4 17.0#

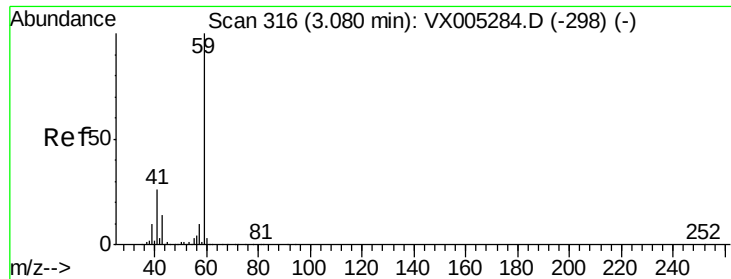


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



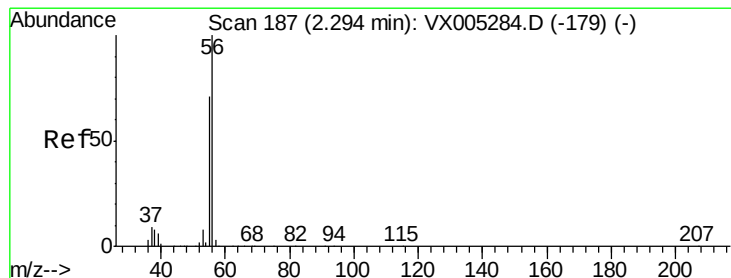
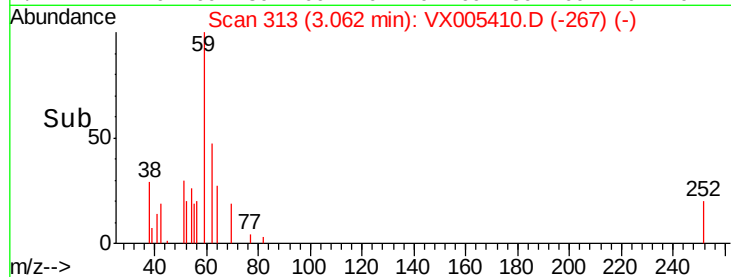
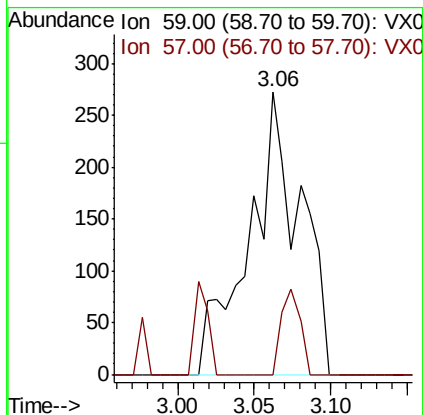
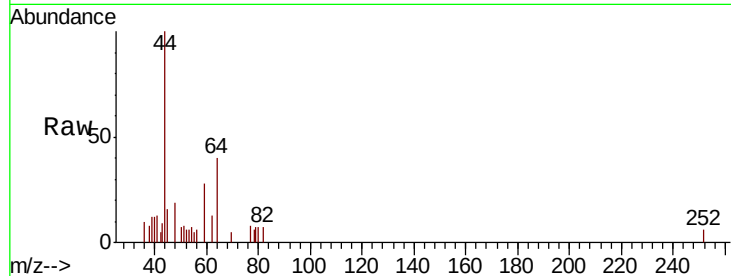


#11

Tert butyl alcohol
Concen: 0.735 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5

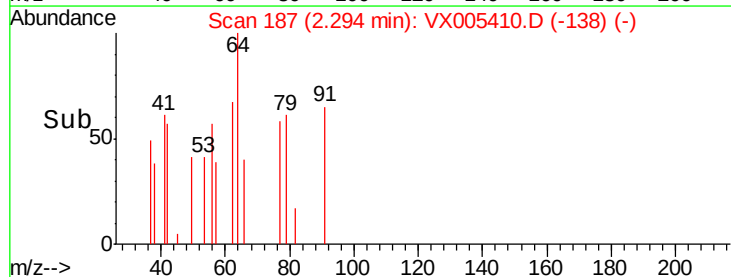
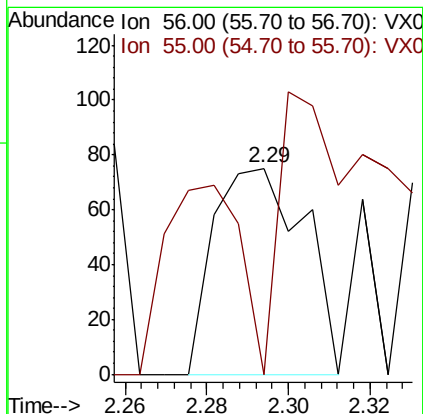
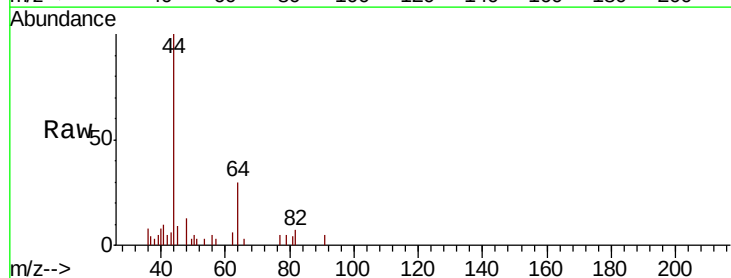
Tot Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.4

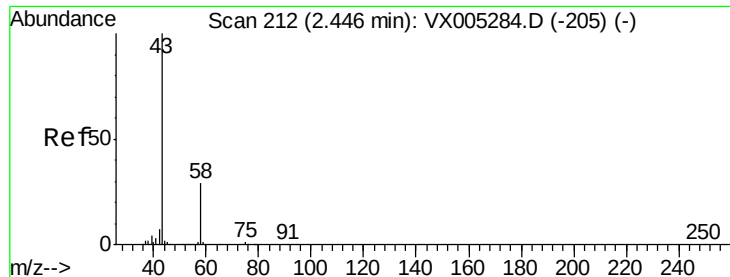


#13

Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 155.2 54.7 82.1#





#16

Acetone

Concen: 3.130 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

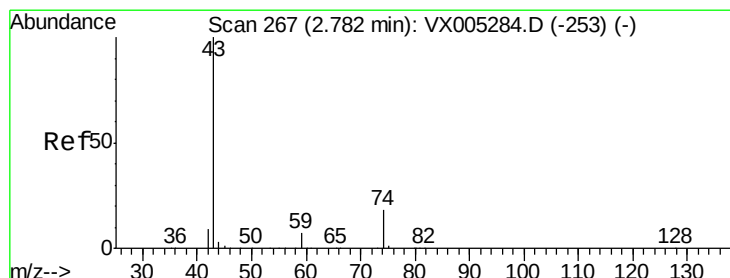
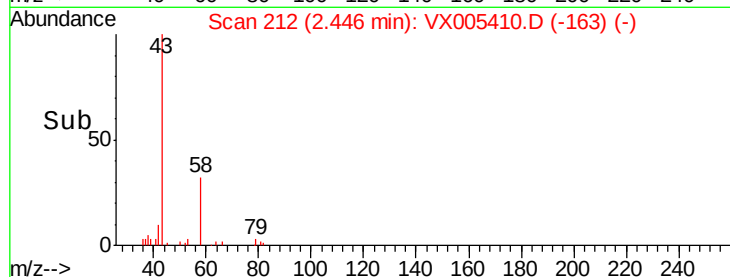
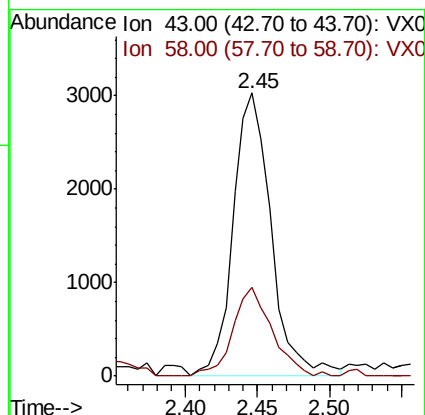
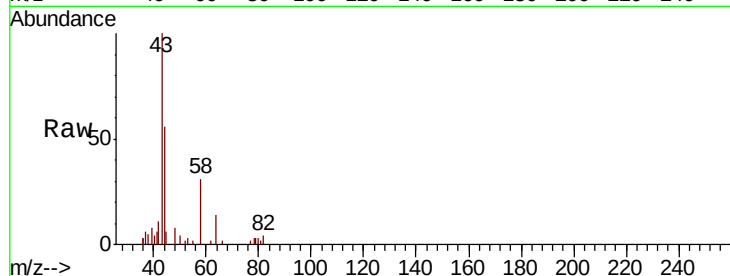
RLF-SW-5

Tot Ion: 43 Resp: 5582

Ion Ratio Lower Upper

43 100

58 31.2 26.2 39.4



#18

Methyl Acetate

Concen: 0.656 ug/l

RT: 2.62 min Scan# 241

Delta R.T. -0.16 min

Lab File: VX005410.D

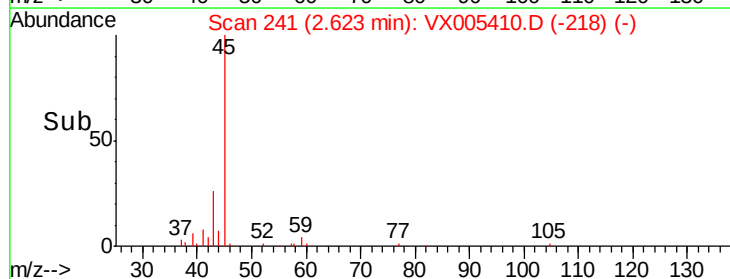
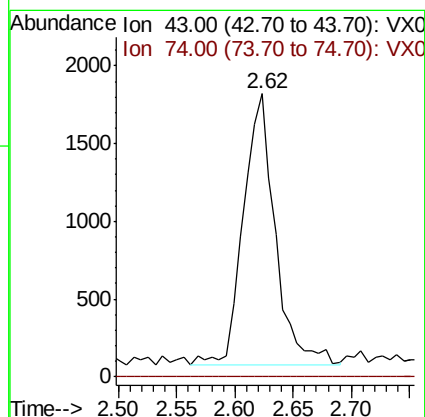
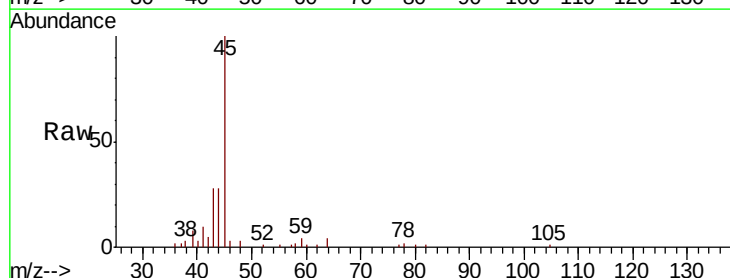
Acq: 18 Oct 2018 00:41

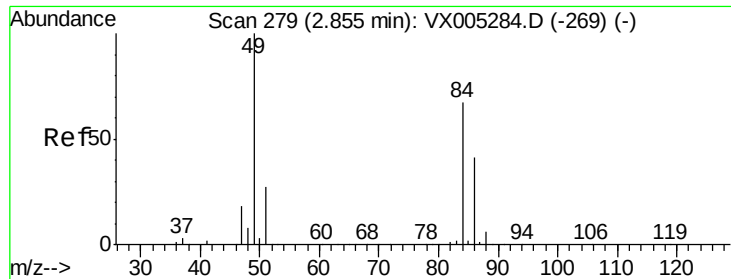
Tgt Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

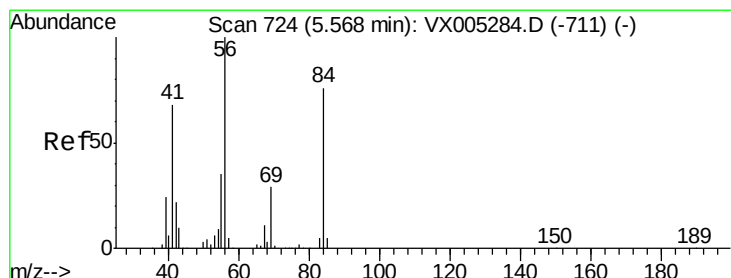
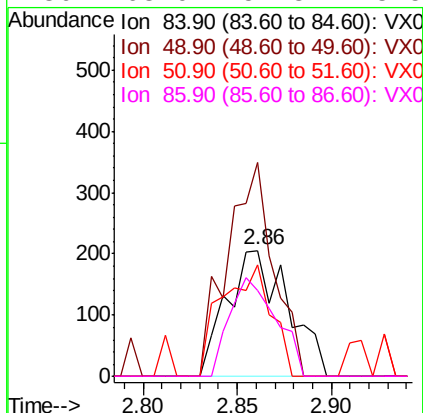
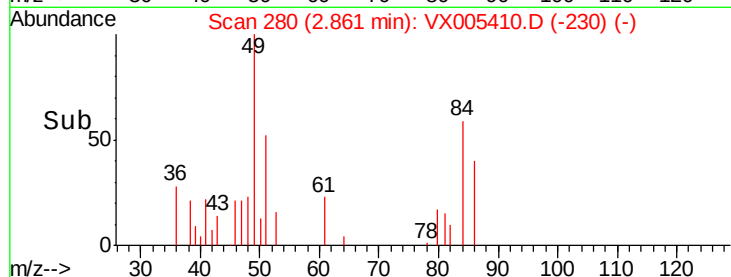
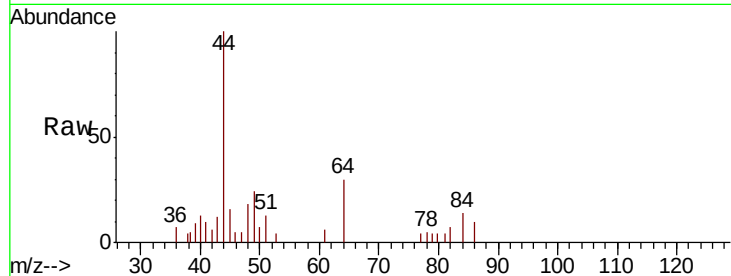




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

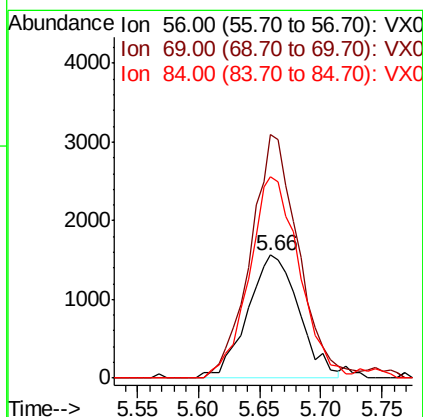
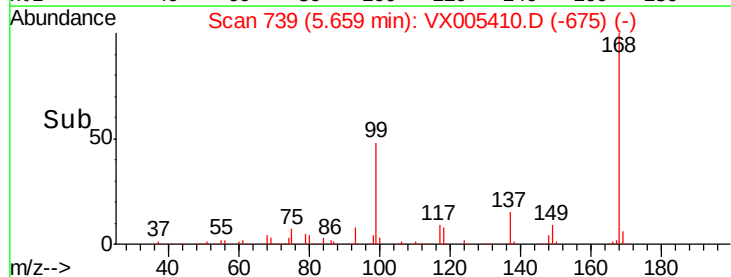
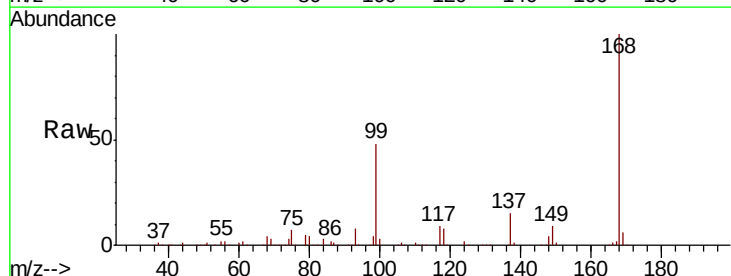
Instrument :
MSVOA_X
ClientSampled :
RLF-SW-5

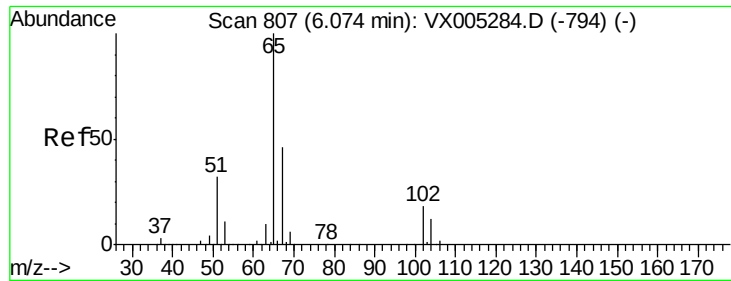
Tot Ion: 84 Resp: 460
Ion Ratio Lower Upper
84 100
49 169.4 101.2 151.8#
51 88.8 29.5 44.3#
86 68.0 52.3 78.5



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

Tgt Ion: 56 Resp: 4566
Ion Ratio Lower Upper
56 100
69 197.8 25.4 38.2#
84 163.1 71.4 107.2#

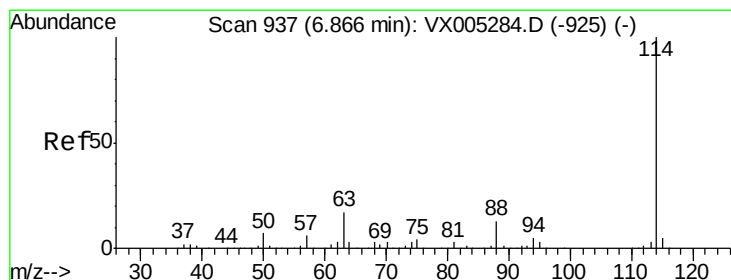
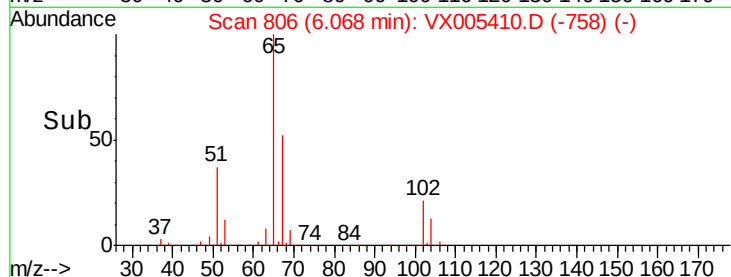
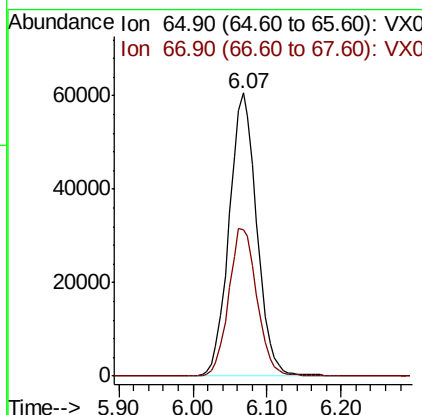
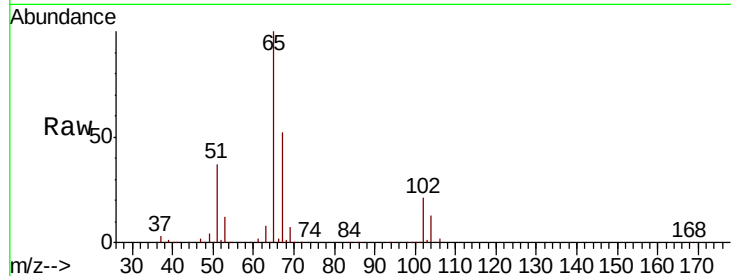




#33
 1,2-Dichloroethane-d4
 Concen: 51.101 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005410.D
 Acq: 18 Oct 2018 00:41

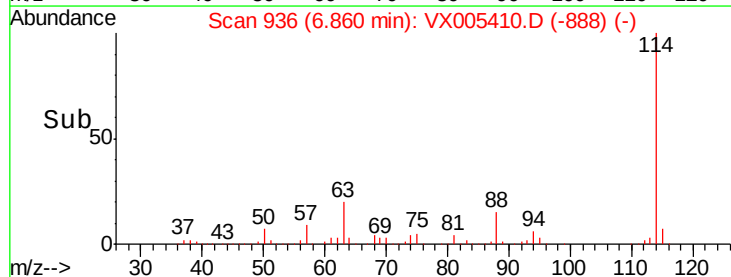
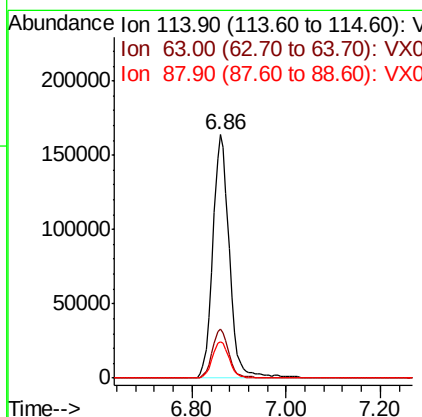
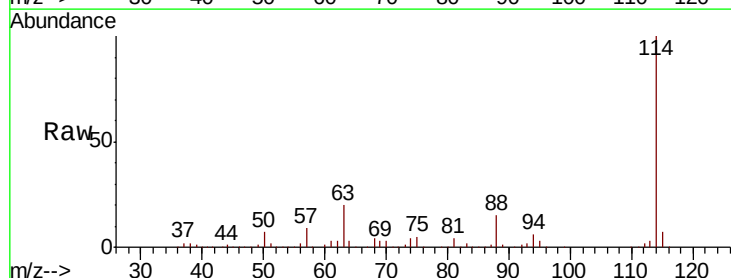
Instrument :
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 ClientSampleId :
 RLF-SW-5

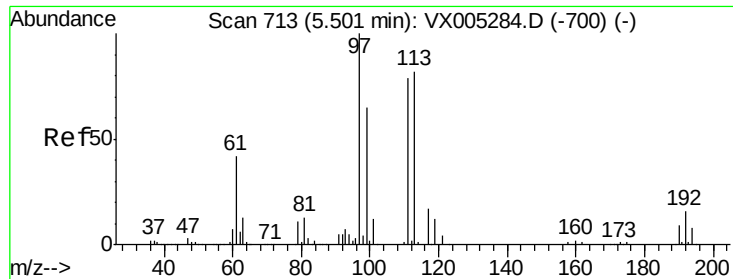
Tot Ion: 65 Resp: 157596
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005410.D
 Acq: 18 Oct 2018 00:41

Tgt Ion: 114 Resp: 400373
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 14.9 0.0 30.4

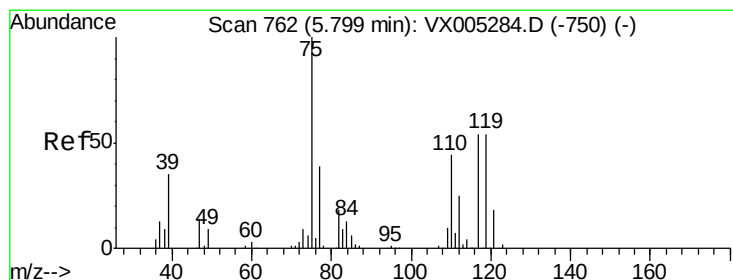
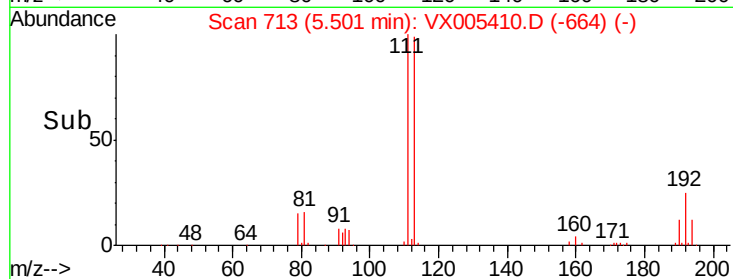
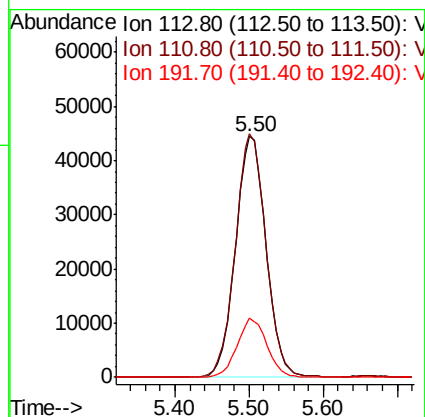
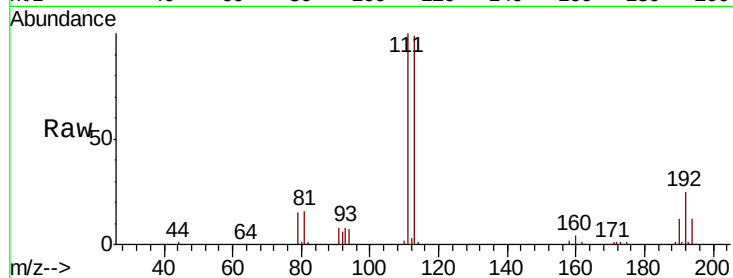




#35
 Dibromofluoromethane
 Concen: 48.261 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005410.D
 Acq: 18 Oct 2018 00:41

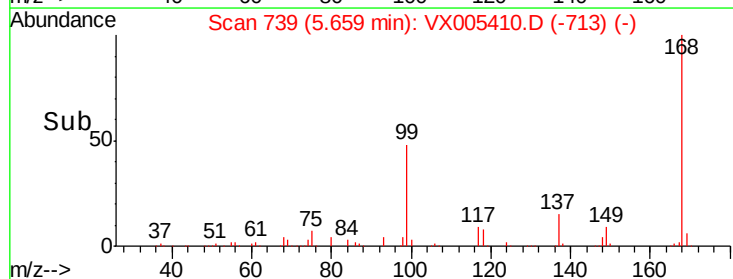
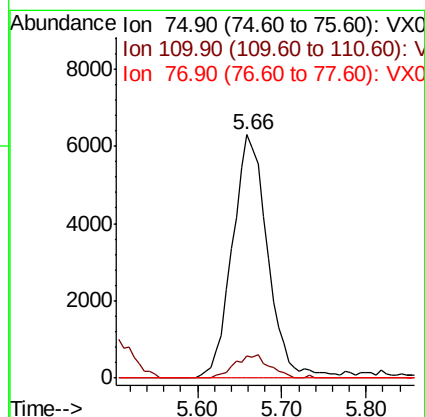
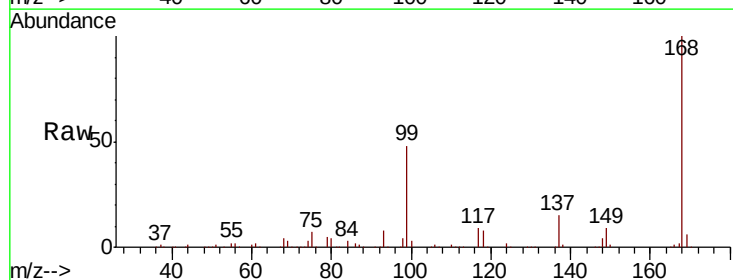
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-5

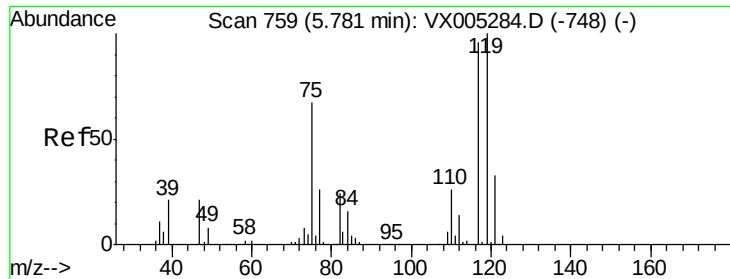
Tot Ion:113 Resp: 127978
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005410.D
 Acq: 18 Oct 2018 00:41

Tgt Ion: 75 Resp: 17873
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

Instrument :

MSVOA_X

ClientSampled :

RLF-SW-5

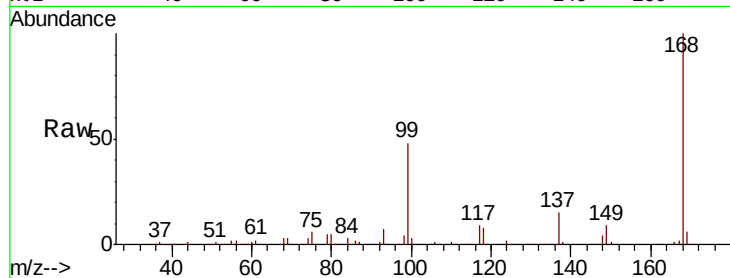
Tot Ion:117 Resp: 24434

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

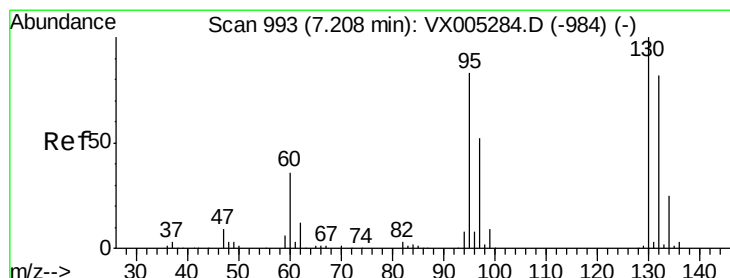
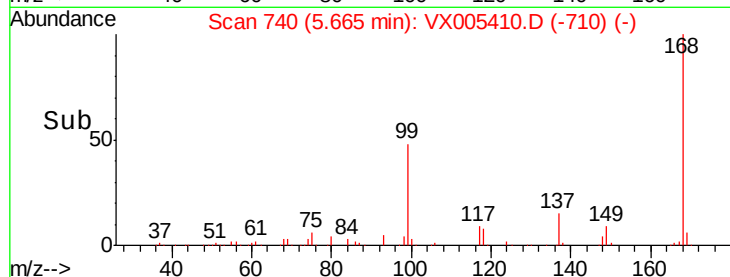
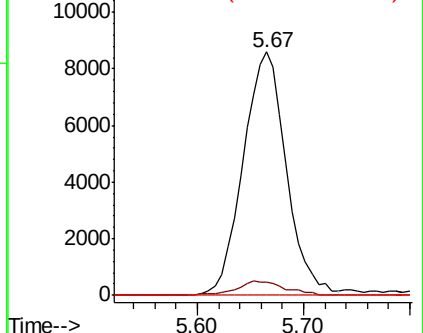
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX005410.D

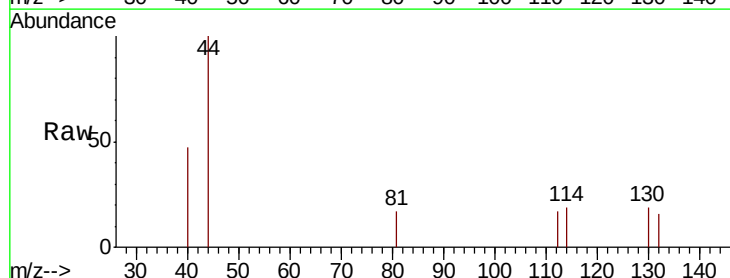
Acq: 18 Oct 2018 00:41

Tgt Ion:130 Resp: 22

Ion Ratio Lower Upper

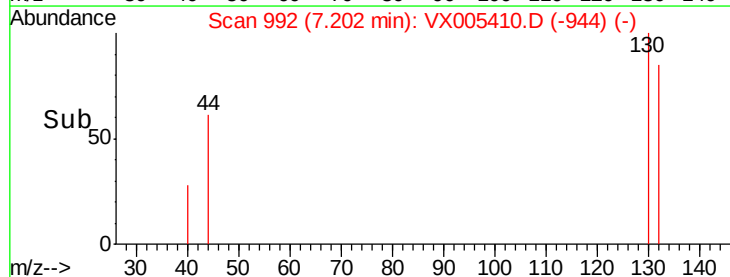
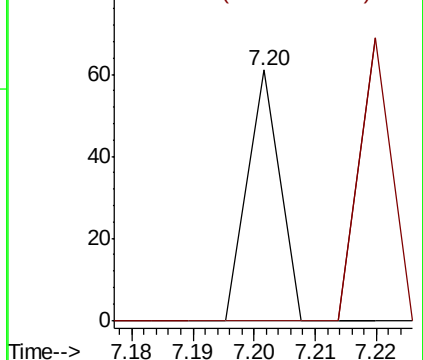
130 100

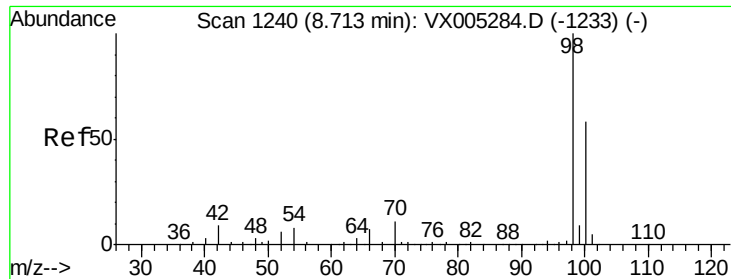
95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

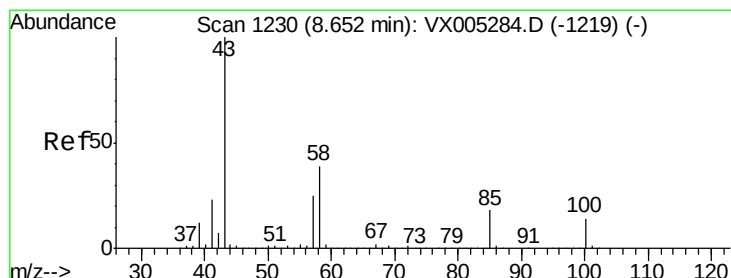
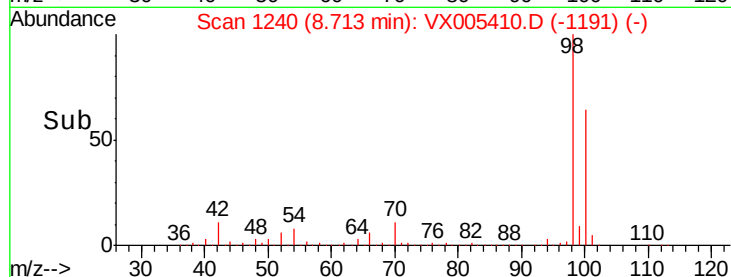
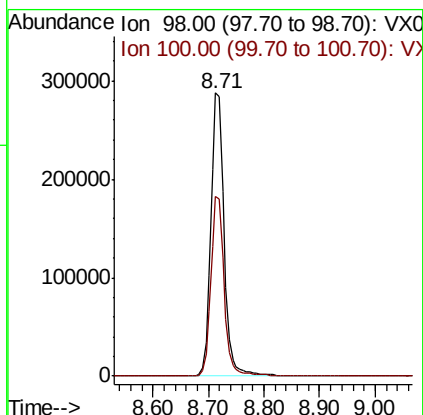
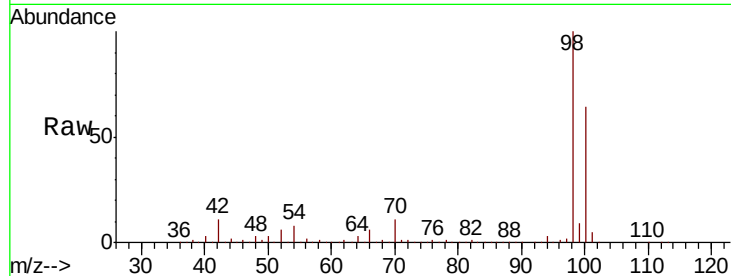




#50
Toluene-d8
Concen: 52.813 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

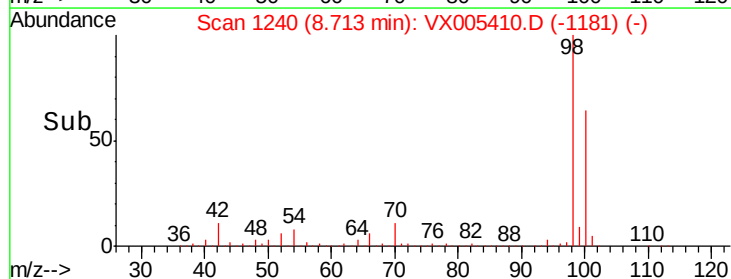
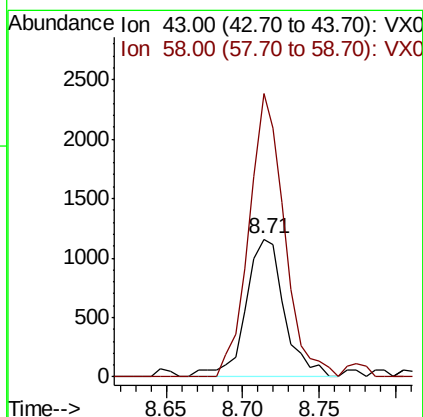
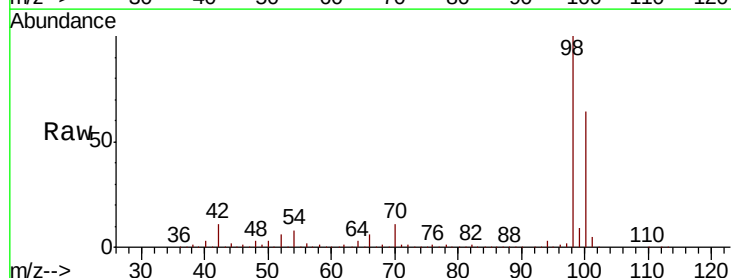
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-5

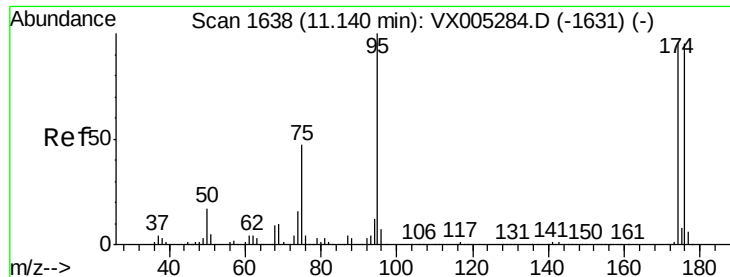
Tot Ion: 98 Resp: 480795
Ion Ratio Lower Upper
98 100
100 63.6 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.06 min
Lab File: VX005410.D
Acq: 18 Oct 2018 00:41

Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
58 187.4 33.1 49.7#





#62

4-Bromofluorobenzene

Concen: 46.555 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5

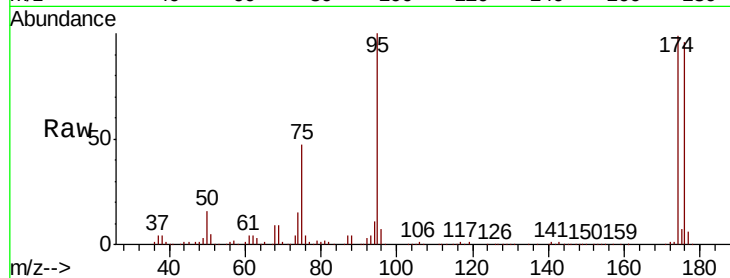
Tot Ion: 95 Resp: 159214

Ion Ratio Lower Upper

95 100

174 95.2 0.0 185.2

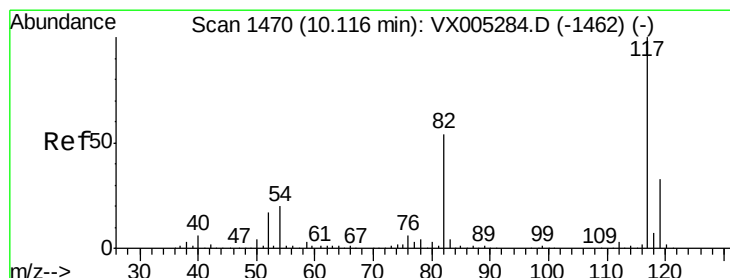
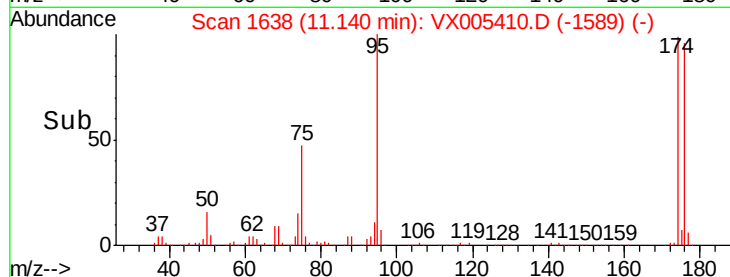
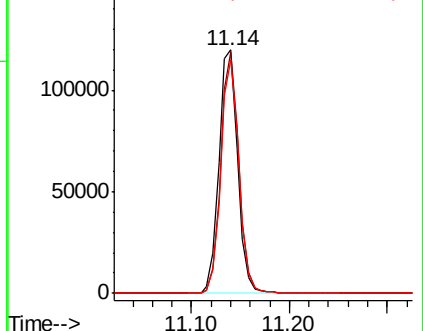
176 92.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

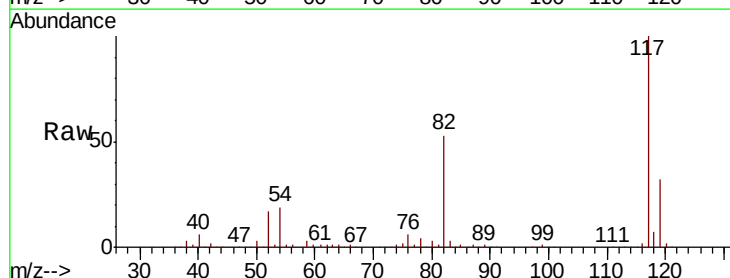
Tgt Ion: 117 Resp: 361181

Ion Ratio Lower Upper

117 100

82 53.4 47.8 71.6

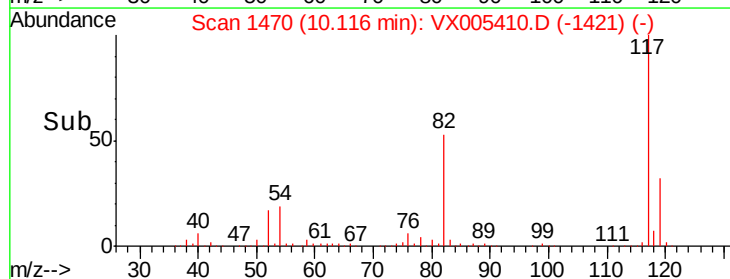
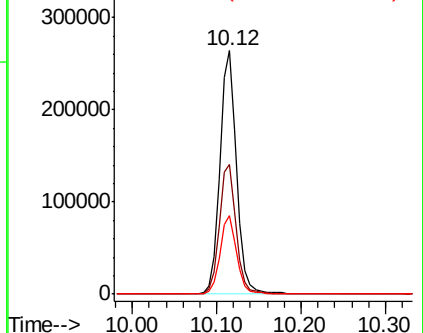
119 32.3 29.3 43.9

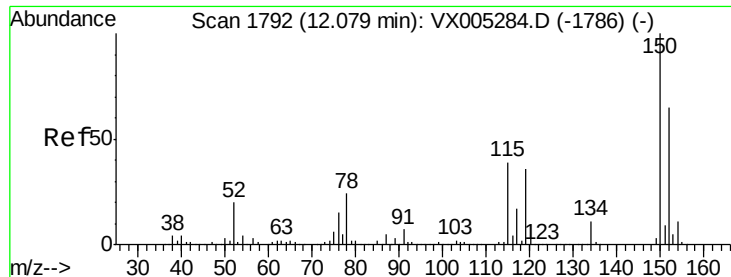


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5

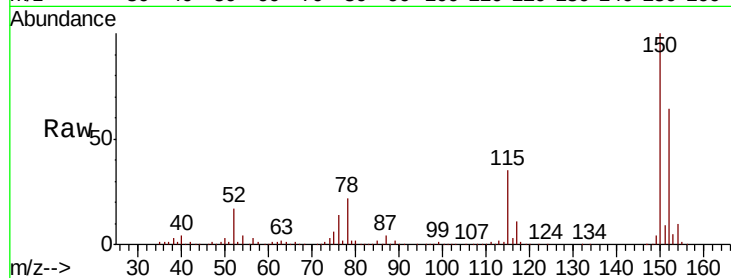
Tot Ion:152 Resp: 174191

Ion Ratio Lower Upper

152 100

115 55.0 39.0 117.0

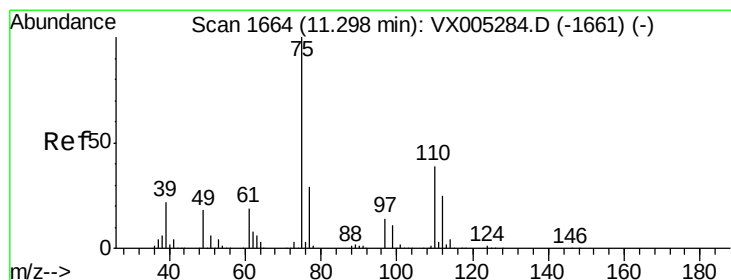
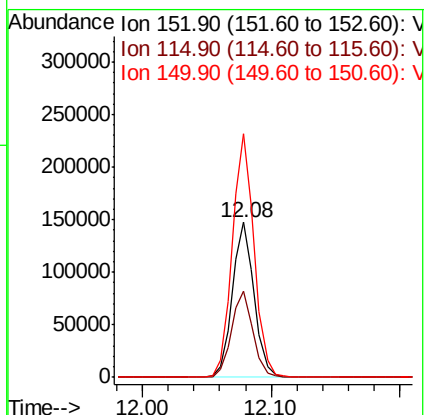
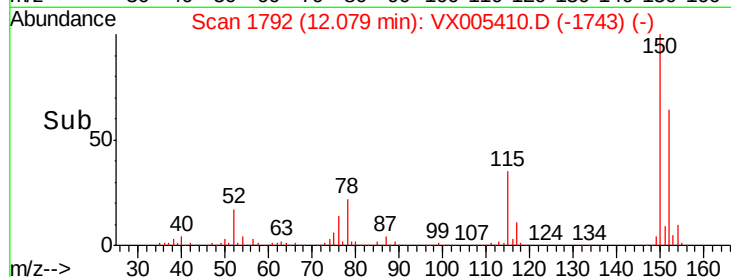
150 157.0 0.0 351.0



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



#76

1,2,3-Trichloropropane

Concen: 22.686 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005410.D

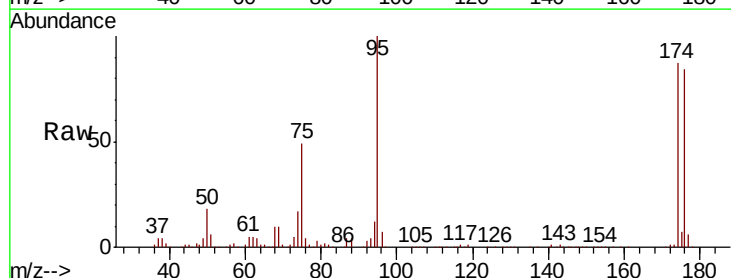
Acq: 18 Oct 2018 00:41

Tgt Ion: 75 Resp: 76652

Ion Ratio Lower Upper

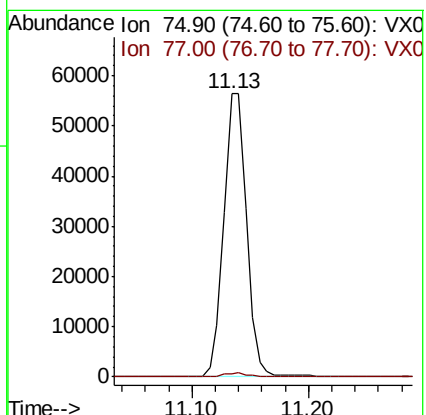
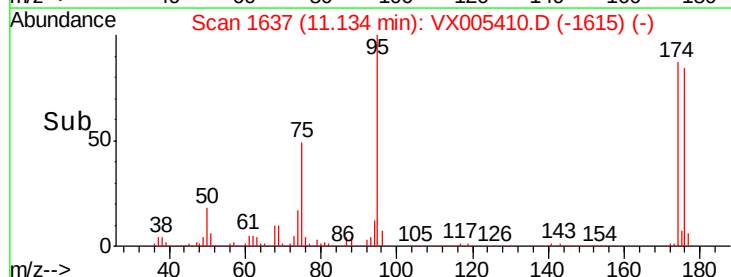
75 100

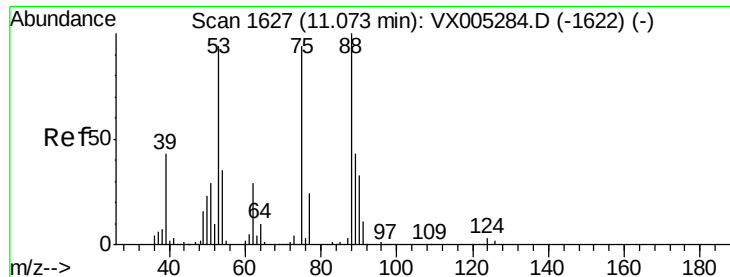
77 1.4 20.2 60.6#



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: 68.931 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005410.D

Acq: 18 Oct 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-5

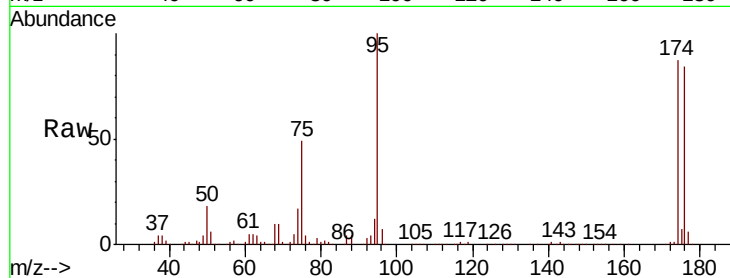
Tot Ion: 75 Resp: 76652

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

