

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005408.D
 Acq On : 17 Oct 2018 23:47
 Operator : JC/MD
 Sample : J5569-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-FD-01

Quant Time: Oct 18 11:03:58 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	287965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	413915	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177118	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	161814	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.51	113	130850	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	8.71	98	489712	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	160530	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

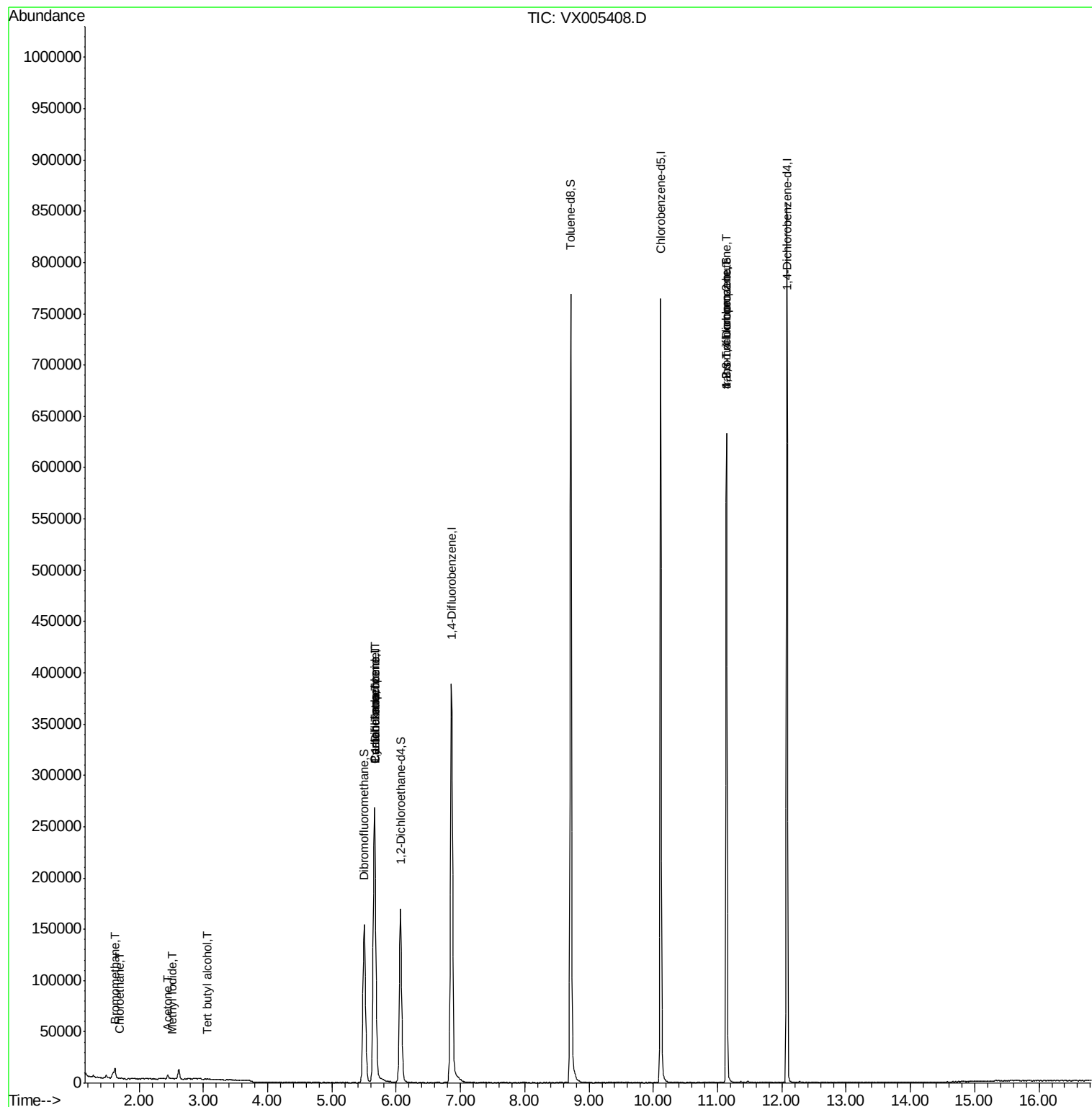
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	462	0.829	ug/l #	59
6) Chloroethane	1.70	64	290	0.469	ug/l #	44
10) Methyl Iodide	2.51	142	187	2.552	ug/l #	62
11) Tert butyl alcohol	3.06	59	494	0.548	ug/l #	94
13) Acrolein	2.29	56	161	Below Cal	#	13
16) Acetone	2.45	43	4405	2.384	ug/l	96
20) Methylene Chloride	2.86	84	461	Below Cal	#	69
31) Cyclohexane	5.66	56	4763	1.084	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18533	4.623	ug/l #	50
38) Carbon Tetrachloride	5.67	117	25486	6.327	ug/l #	15
44) Trichloroethene	7.21	130	87	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	78828	22.945	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78828	69.717	ug/l #	10

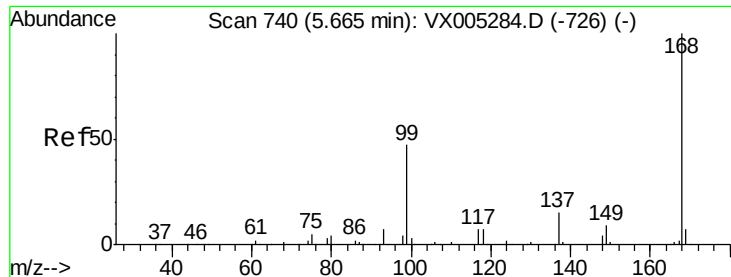
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Instrument :

MSVOA_X

ClientSampled :

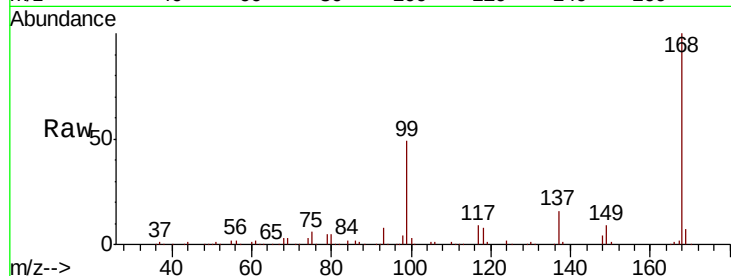
RLF-SW-FD-01

Tot Ion:168 Resp: 287965

Ion Ratio Lower Upper

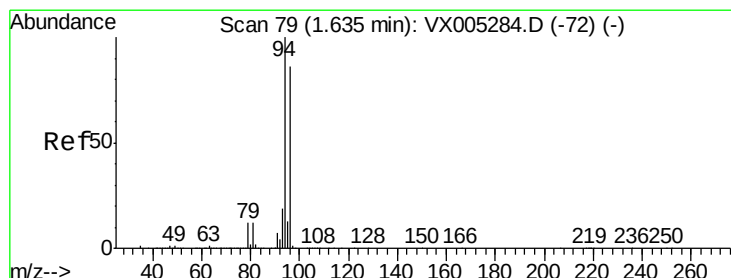
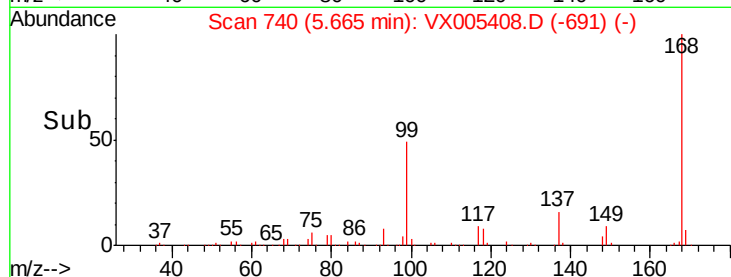
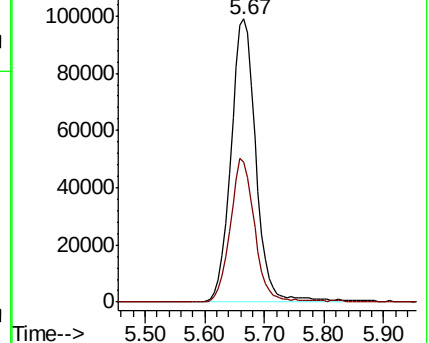
168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.829 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005408.D

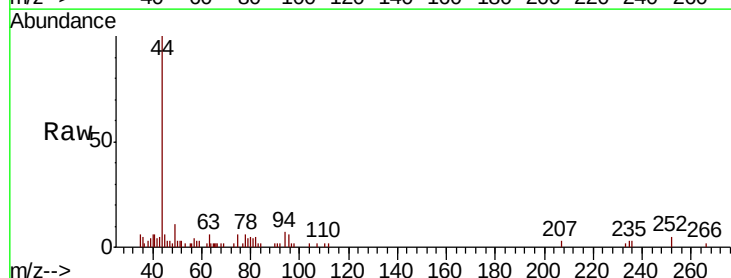
Acq: 17 Oct 2018 23:47

Tgt Ion: 94 Resp: 462

Ion Ratio Lower Upper

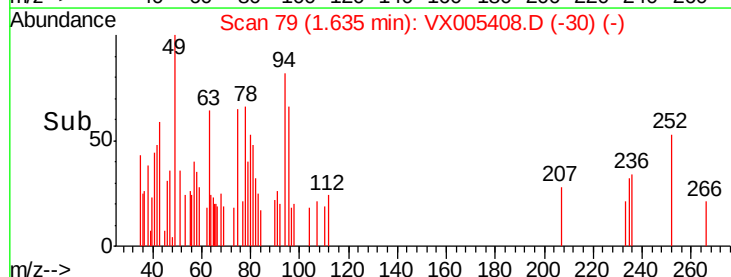
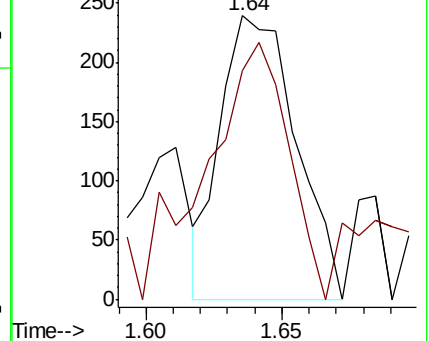
94 100

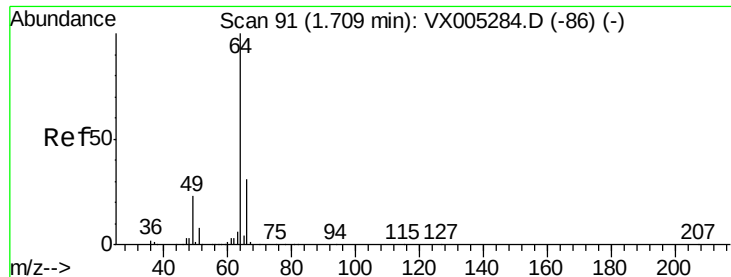
96 54.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.469 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

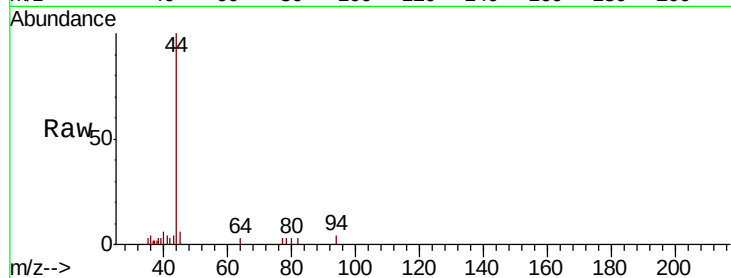
RLF-SW-FD-01

Tot Ion: 64 Resp: 290

Ion Ratio Lower Upper

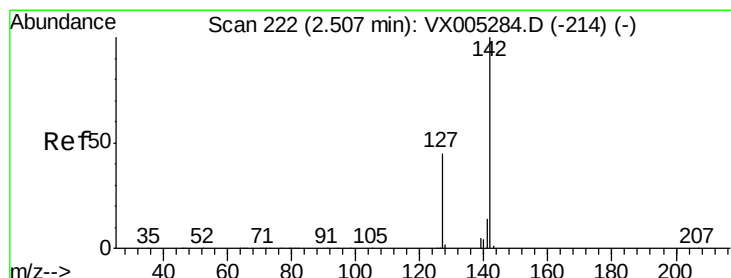
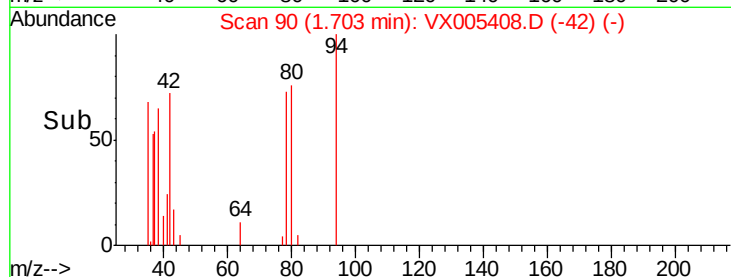
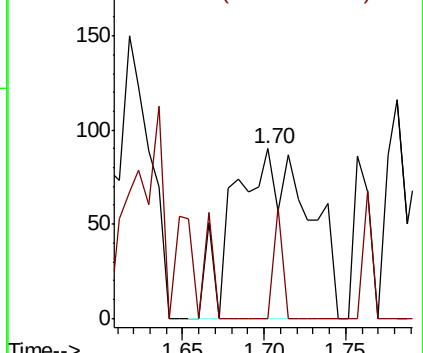
64 100

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: 2.552 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

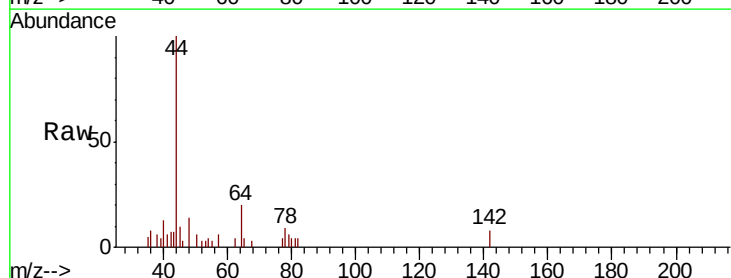
Tgt Ion: 142 Resp: 187

Ion Ratio Lower Upper

142 100

127 12.3 33.8 50.6#

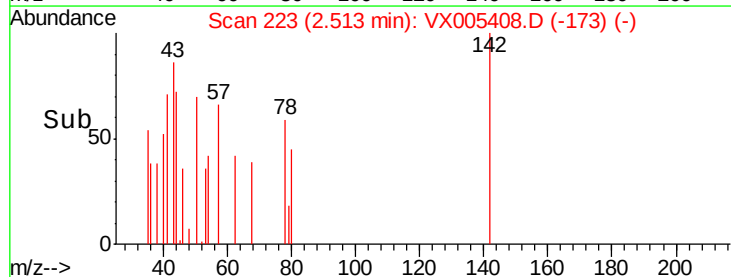
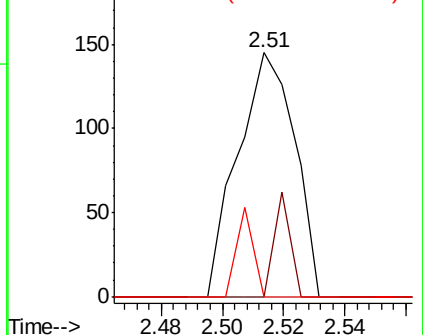
141 10.2 11.4 17.0#

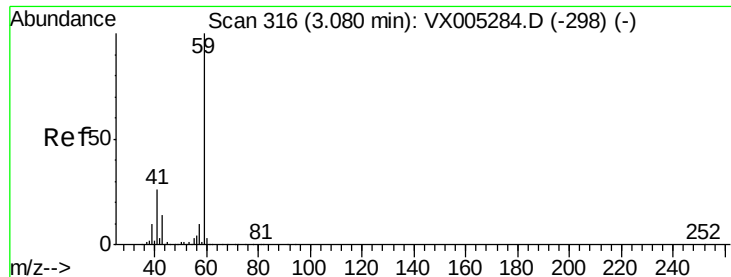


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

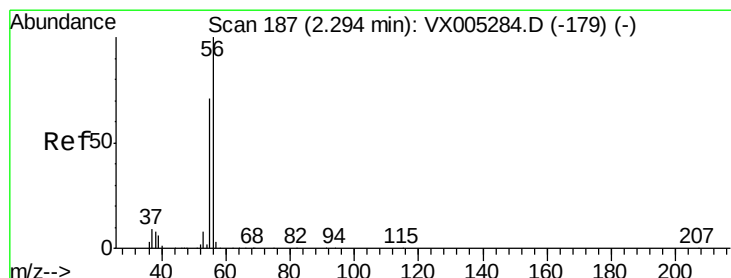
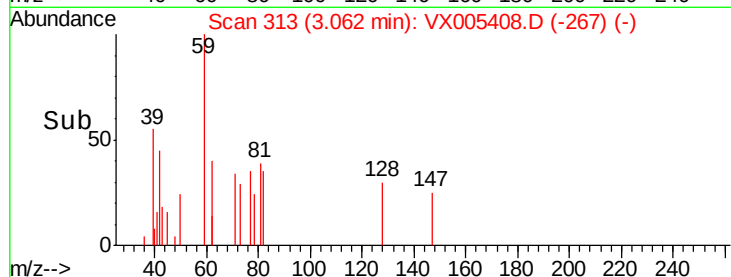
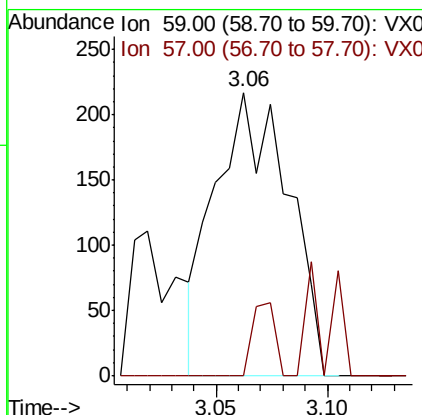
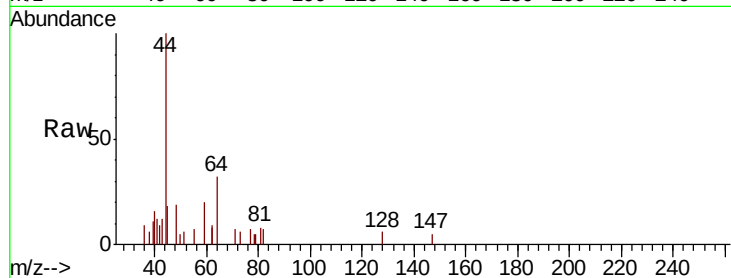




#11
Tert butyl alcohol
Concen: 0.548 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005408.D
Acq: 17 Oct 2018 23:47

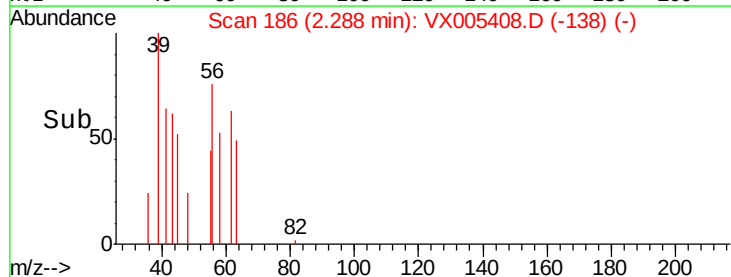
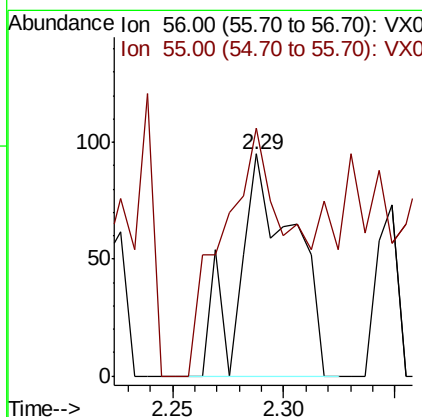
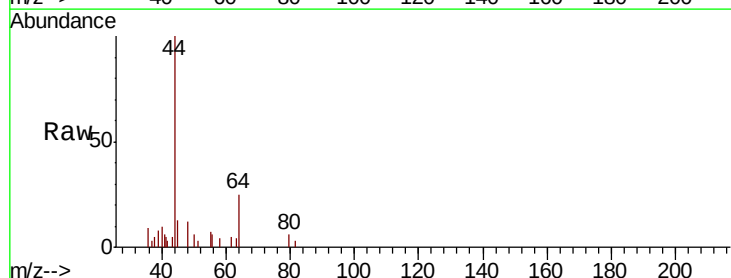
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-FD-01

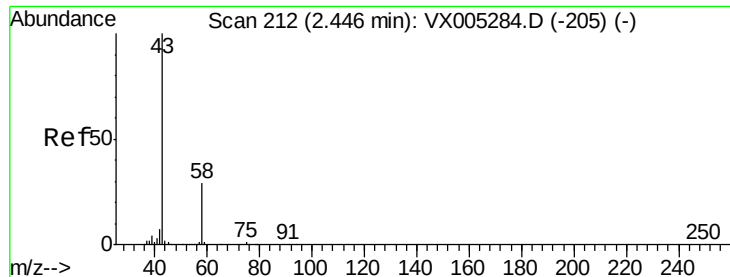
Tot Ion: 59 Resp: 494
Ion Ratio Lower Upper
59 100
57 8.1 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005408.D
Acq: 17 Oct 2018 23:47

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 138.5 54.7 82.1#





#16

Acetone

Concen: 2.384 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

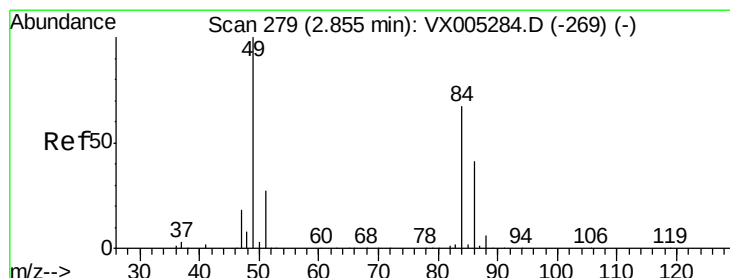
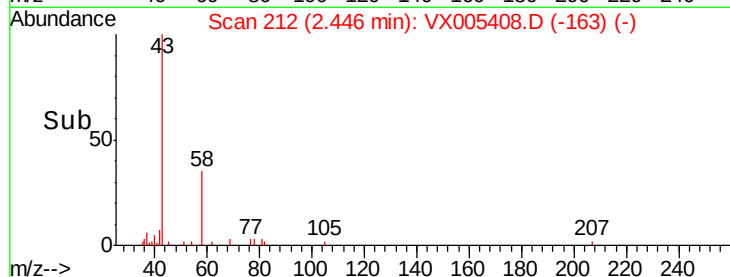
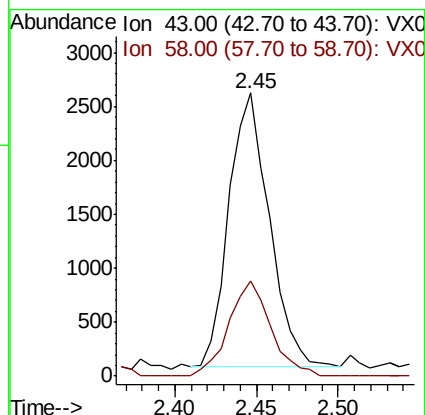
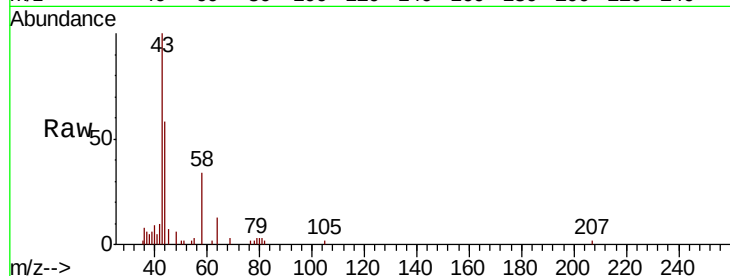
RLF-SW-FD-01

Tot Ion: 43 Resp: 4405

Ion Ratio Lower Upper

43 100

58 34.9 26.2 39.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Tgt Ion: 84 Resp: 461

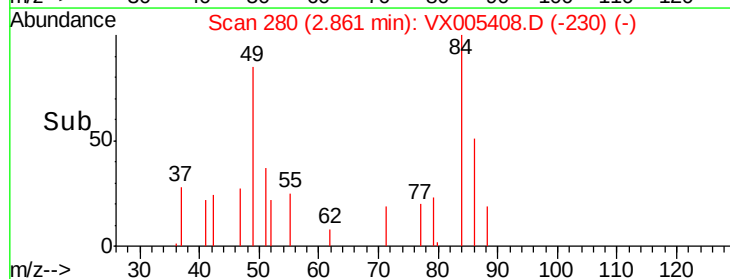
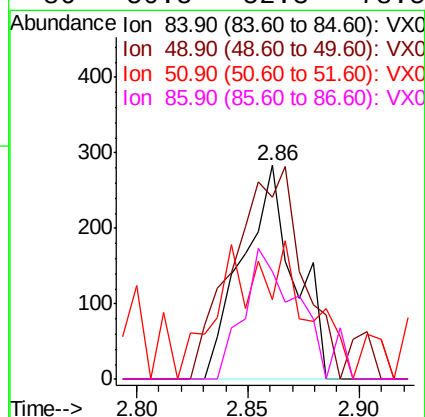
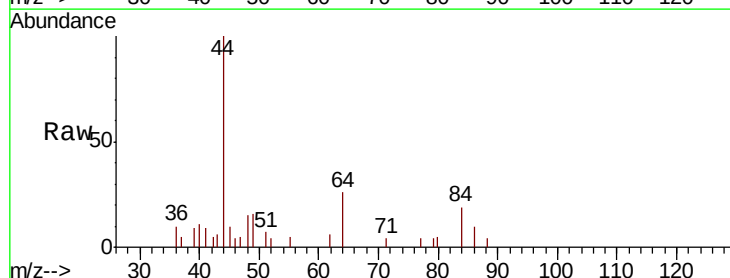
Ion Ratio Lower Upper

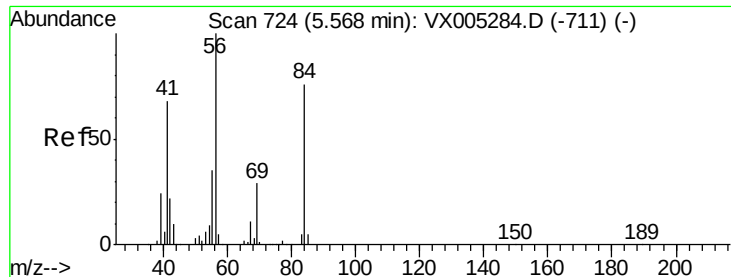
84 100

49 85.2 101.2 151.8#

51 17.7 29.5 44.3#

86 50.5 52.3 78.5#

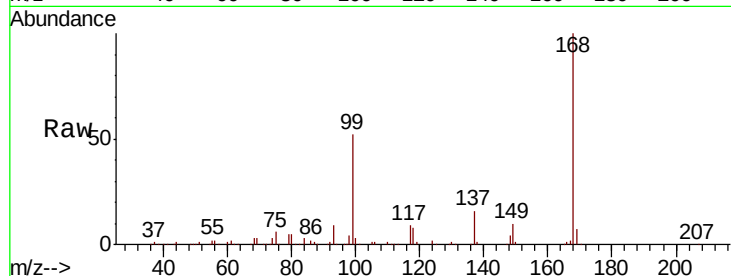




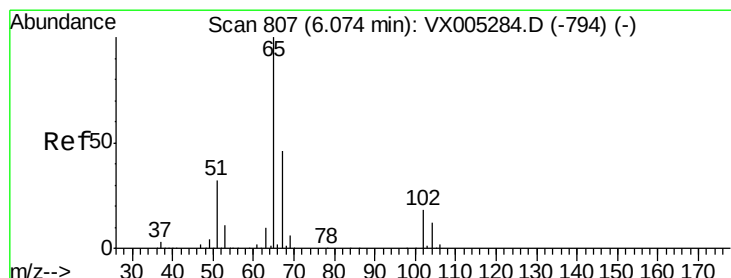
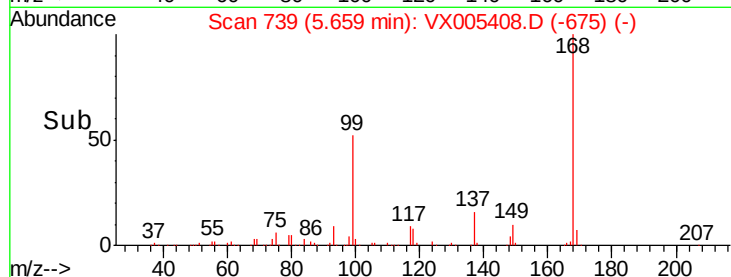
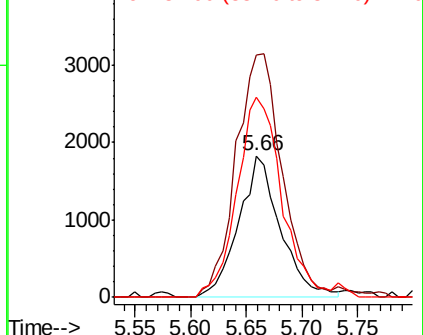
#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005408.D
Acq: 17 Oct 2018 23:47

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-FD-01

Tot Ion: 56 Resp: 4763
Ion Ratio Lower Upper
56 100
69 171.1 25.4 38.2#
84 141.3 71.4 107.2#

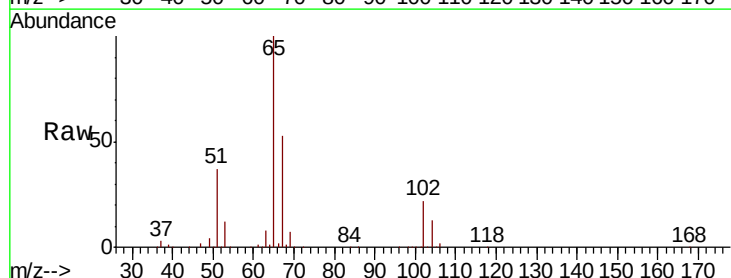


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

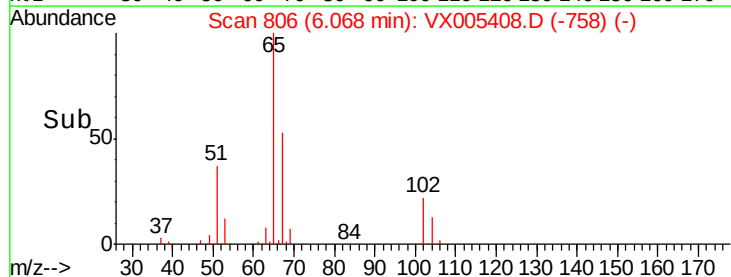
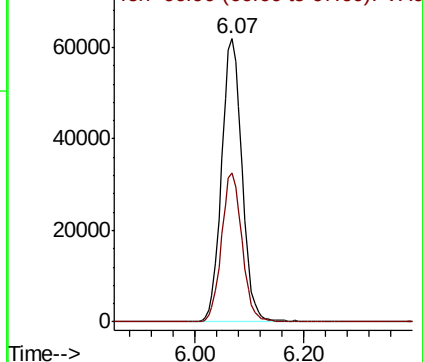


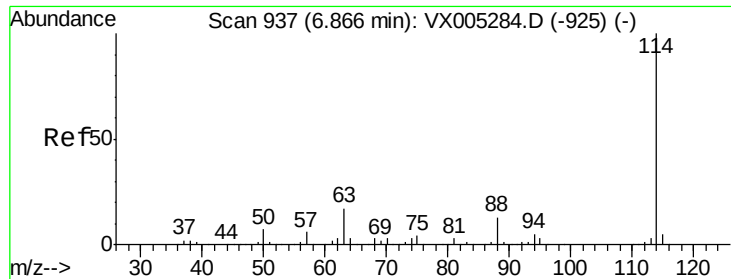
#33
1,2-Dichloroethane-d4
Concen: 50.631 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005408.D
Acq: 17 Oct 2018 23:47

Tgt Ion: 65 Resp: 161814
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8



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

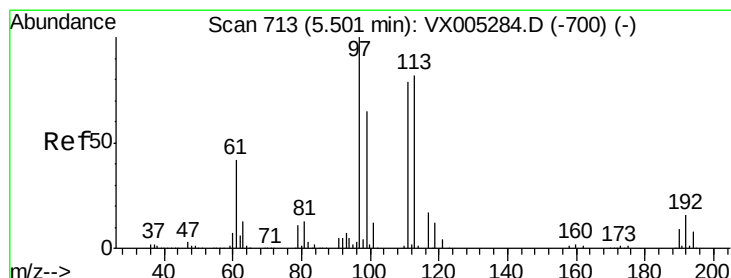
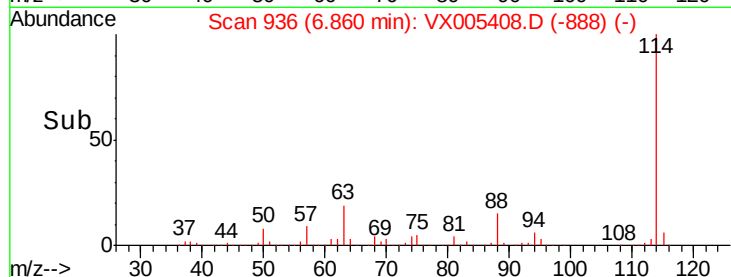
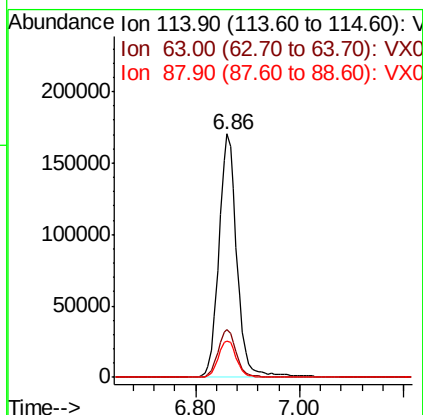
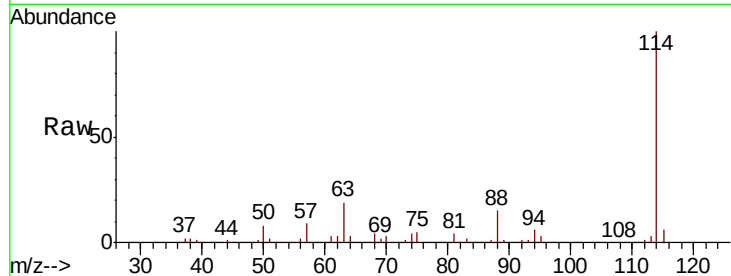




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005408.D
 Acq: 17 Oct 2018 23:47

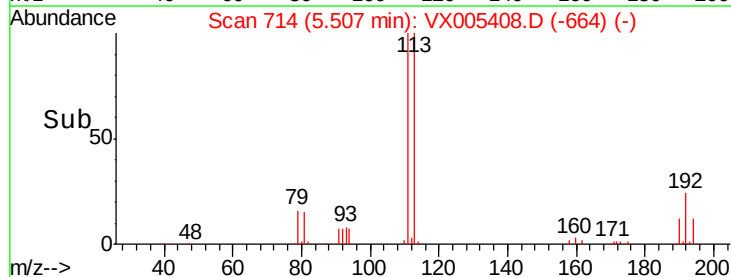
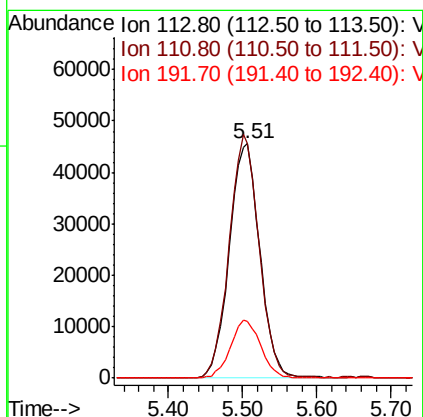
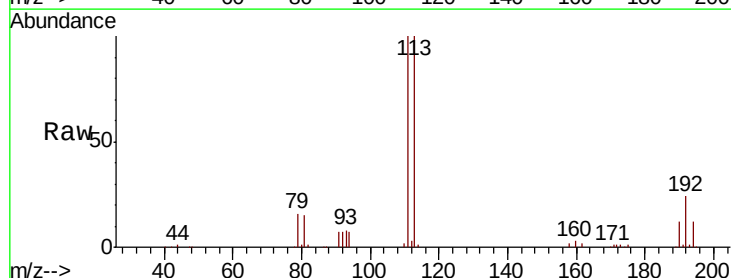
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 ClientSampleId :
 RLF-SW-FD-01

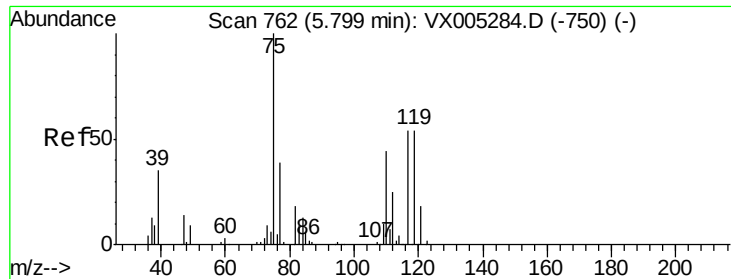
Tot Ion:114 Resp: 413915
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.0 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 47.730 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005408.D
 Acq: 17 Oct 2018 23:47

Tgt Ion:113 Resp: 130850
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 24.4 19.4 29.2

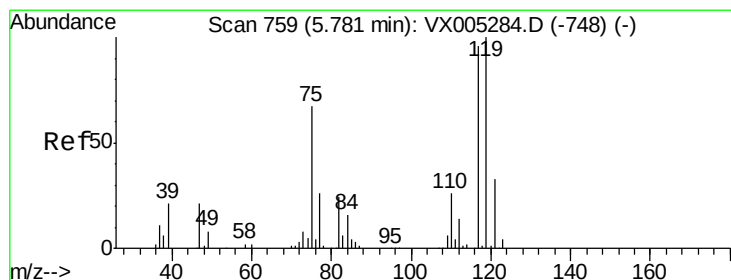
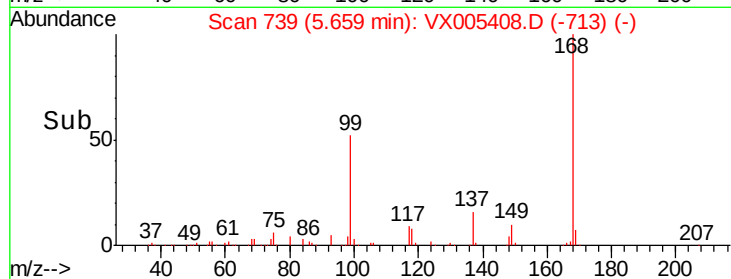
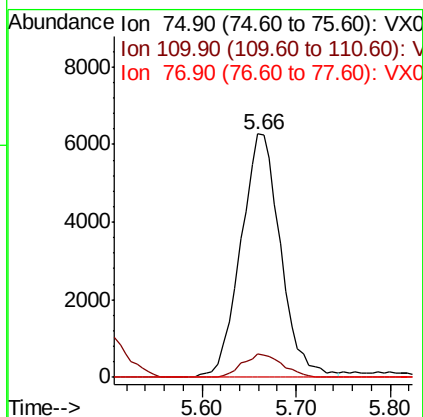
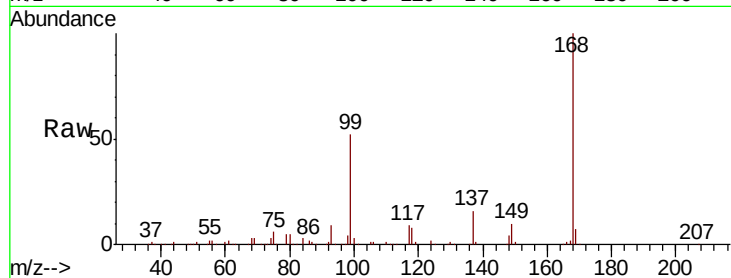




#36
 1,1-Dichloropropene
 Concen: 4.623 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005408.D
 Acq: 17 Oct 2018 23:47

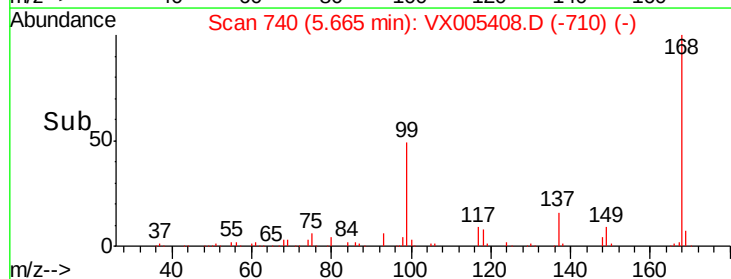
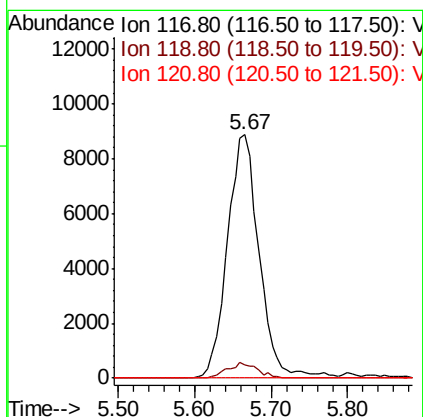
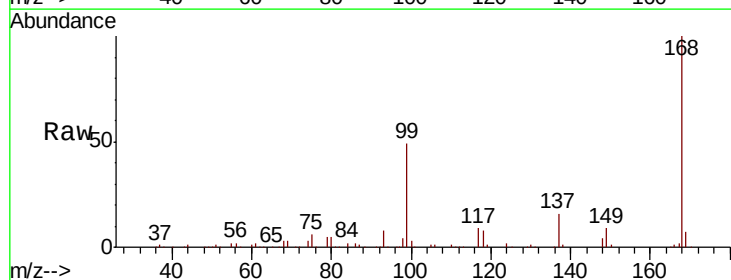
Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-FD-01

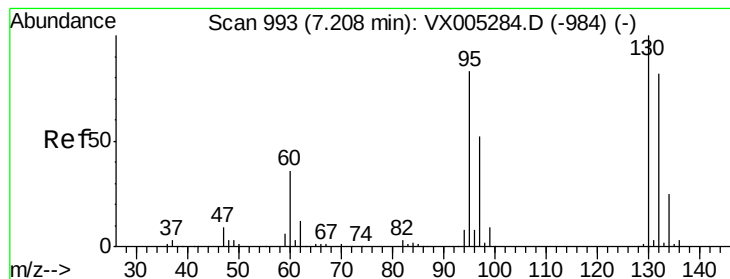
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.327 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005408.D
 Acq: 17 Oct 2018 23:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.8	118.2#
121	0.0	24.9	37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

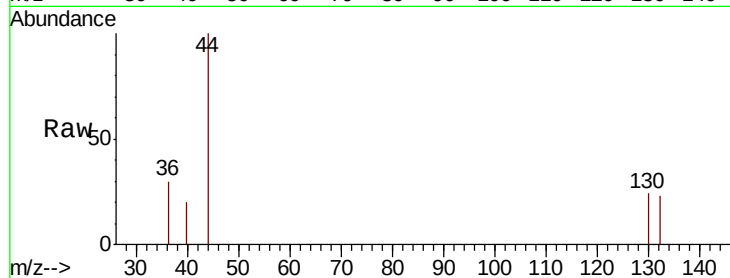
RLF-SW-FD-01

Tot Ion:130 Resp: 87

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

7.21

60

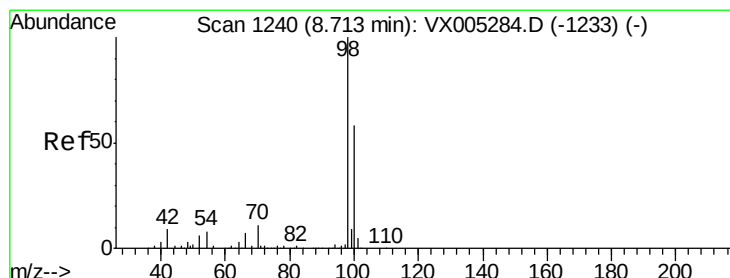
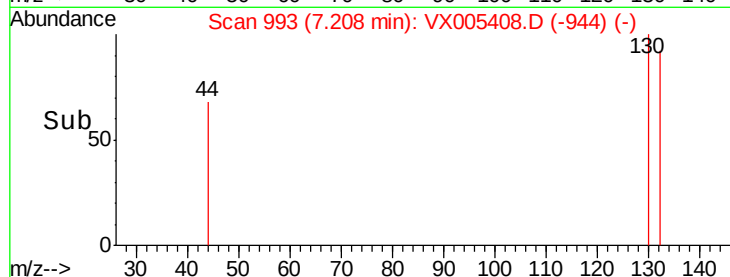
40

20

0

7.18 7.20 7.22 7.24

Time-->



#50

Toluene-d8

Concen: 52.033 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005408.D

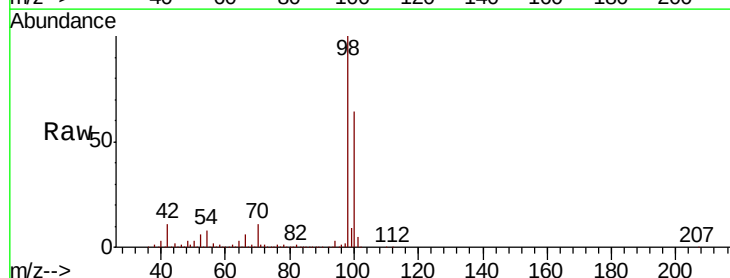
Acq: 17 Oct 2018 23:47

Tgt Ion: 98 Resp: 489712

Ion Ratio Lower Upper

98 100

100 63.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

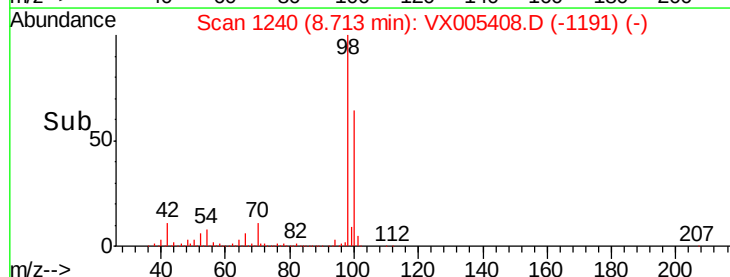
200000

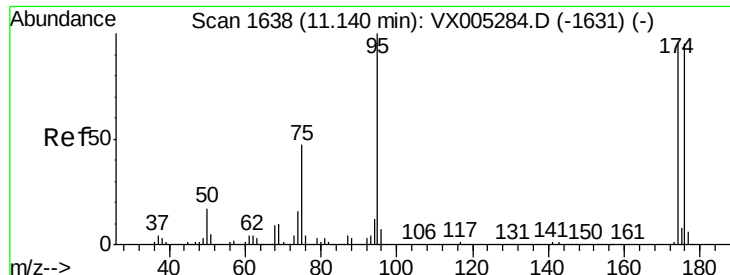
100000

0

8.60 8.70 8.80 8.90

Time-->

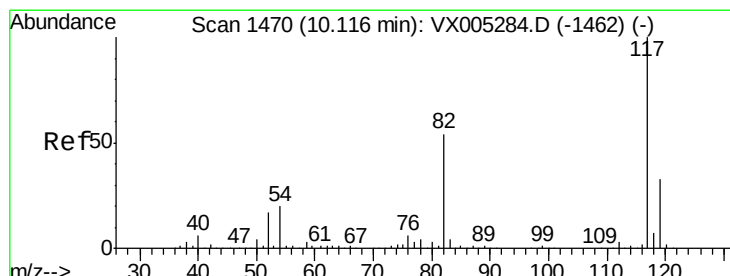
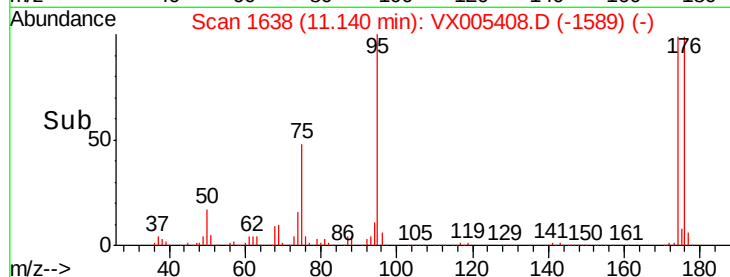
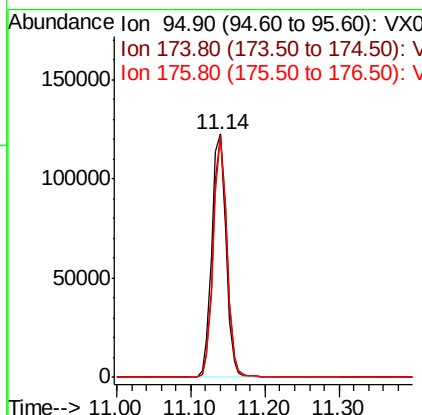
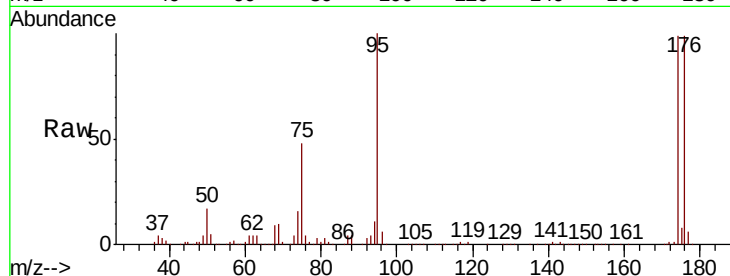




#62
4-Bromofluorobenzene
Concen: 45.404 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005408.D
Acq: 17 Oct 2018 23:47

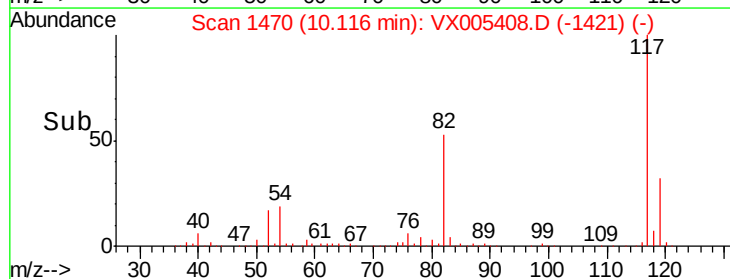
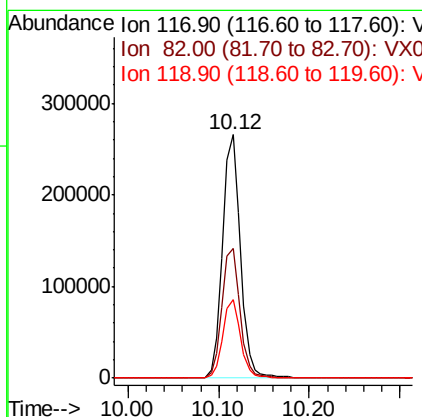
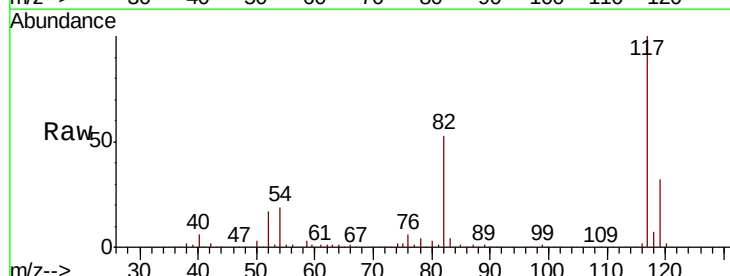
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-FD-01

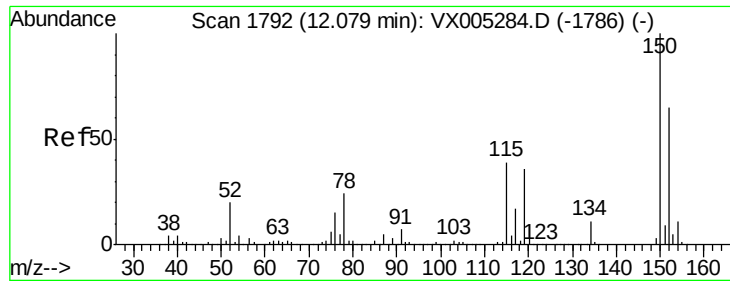
Tot Ion: 95 Resp: 160530
Ion Ratio Lower Upper
95 100
174 96.5 0.0 185.2
176 93.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005408.D
Acq: 17 Oct 2018 23:47

Tgt Ion: 117 Resp: 366863
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.3 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-FD-01

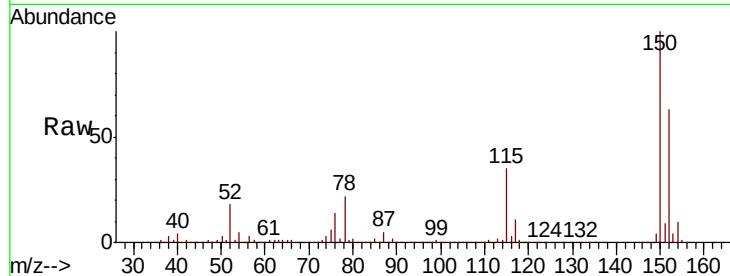
Tot Ion:152 Resp: 177118

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

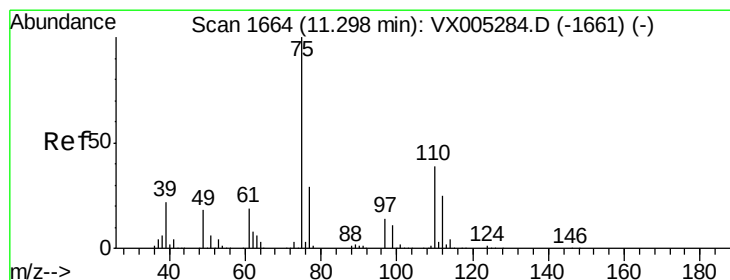
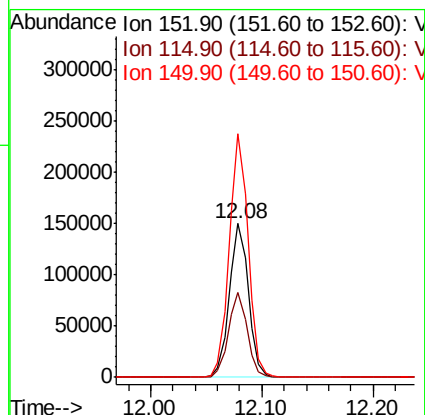
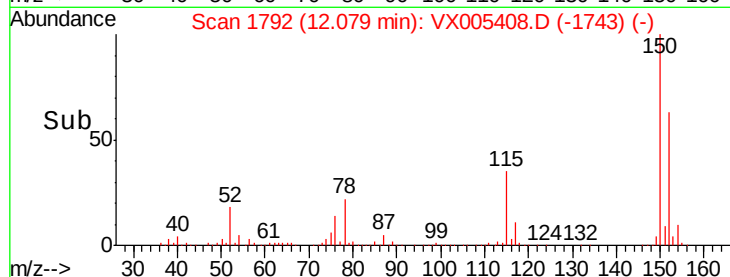
150 157.1 0.0 351.0



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: 22.945 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005408.D

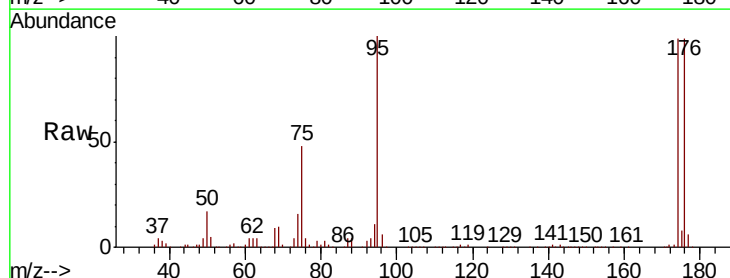
Acq: 17 Oct 2018 23:47

Tgt Ion: 75 Resp: 78828

Ion Ratio Lower Upper

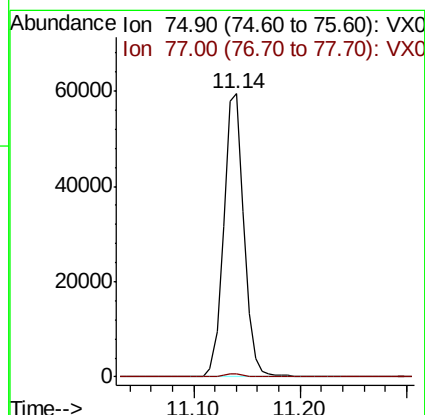
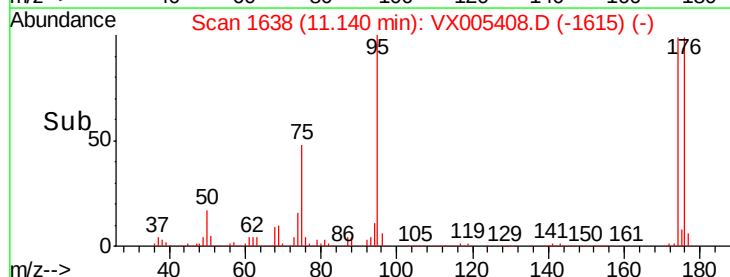
75 100

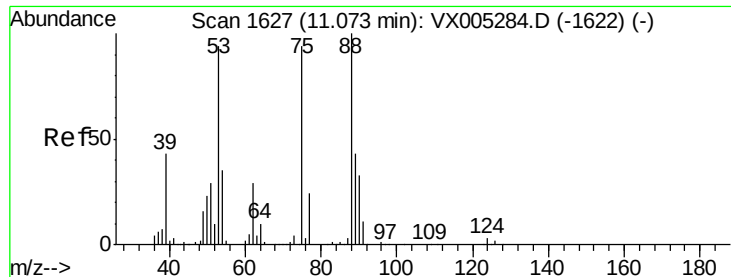
77 1.4 20.2 60.6#



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: 69.717 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005408.D

Acq: 17 Oct 2018 23:47

Instrument :

MSVOA_X

ClientSampleId :

RLF-SW-FD-01

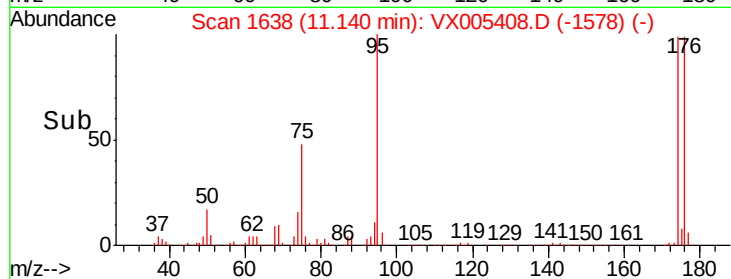
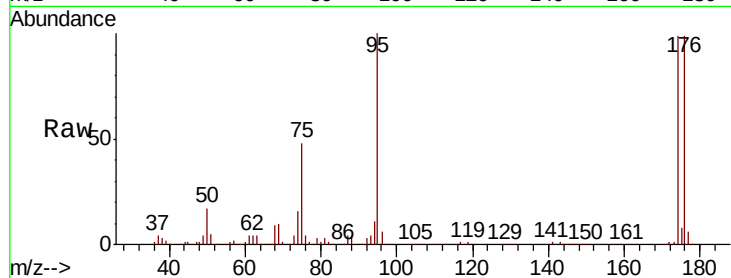
Tot Ion: 75 Resp: 78828

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

