

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005407.D
 Acq On : 17 Oct 2018 23:21
 Operator : JC/MD
 Sample : J5569-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-8

Quant Time: Oct 18 11:03:47 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	287977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177403	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	161297	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	130474	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	8.71	98	492719	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.14	95	162201	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

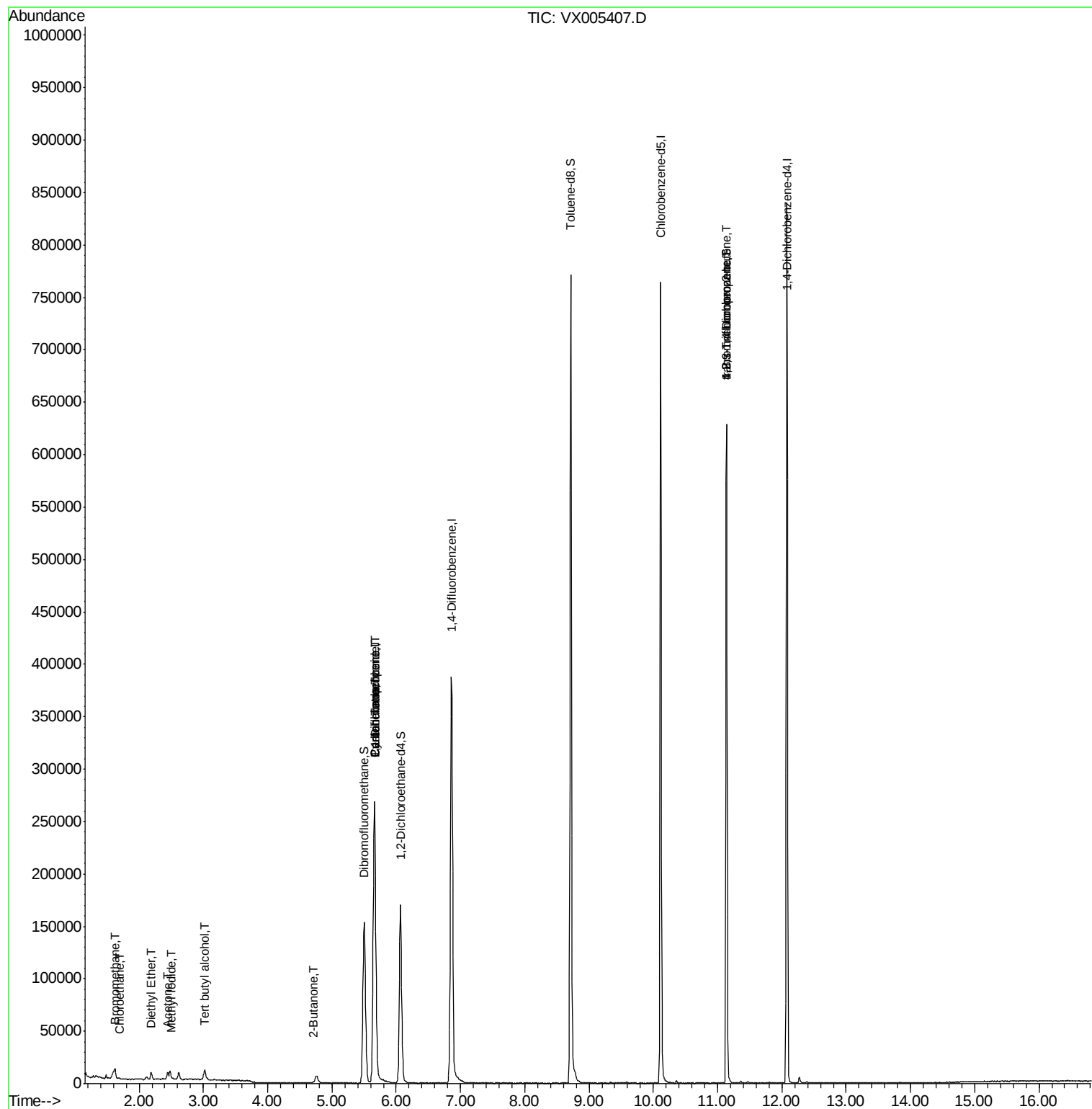
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	485	0.841	ug/l #	78
6) Chloroethane	1.71	64	41	0.354	ug/l #	44
8) Diethyl Ether	2.19	74	1144	0.607	ug/l	97
10) Methyl Iodide	2.51	142	254	2.575	ug/l #	60
11) Tert butyl alcohol	3.02	59	6162	6.835	ug/l #	78
13) Acrolein	2.29	56	152	Below Cal	#	1
16) Acetone	2.44	43	7060	3.820	ug/l	96
20) Methylene Chloride	2.82	84	23	Below Cal	#	5
25) 2-Butanone	4.71	43	1283	0.475	ug/l #	76
31) Cyclohexane	5.67	56	4873	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18843	4.678	ug/l #	49
38) Carbon Tetrachloride	5.66	117	24886	6.149	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	78406	22.785	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78406	69.232	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: VX005407.D

Acq: 17 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

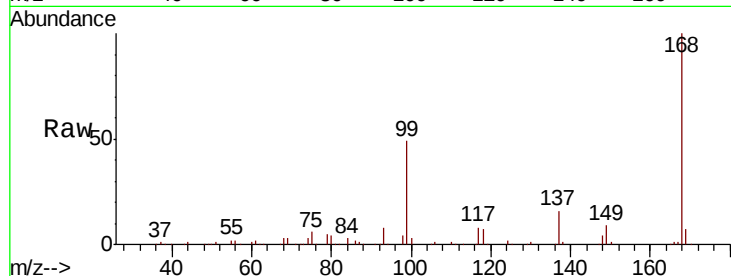
RLF-SW-8

Tot Ion:168 Resp: 287977

Ion Ratio Lower Upper

168 100

99 49.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

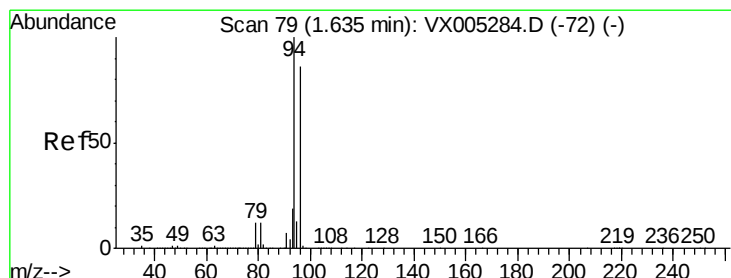
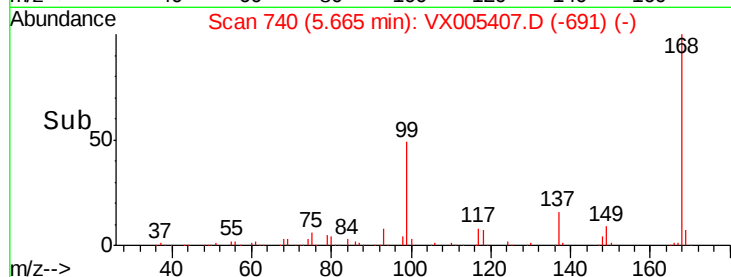
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.841 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005407.D

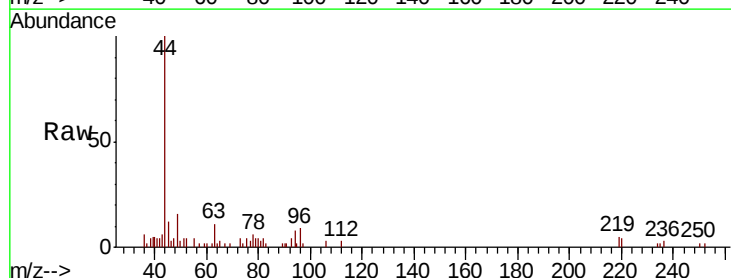
Acq: 17 Oct 2018 23:21

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

94 100

96 72.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

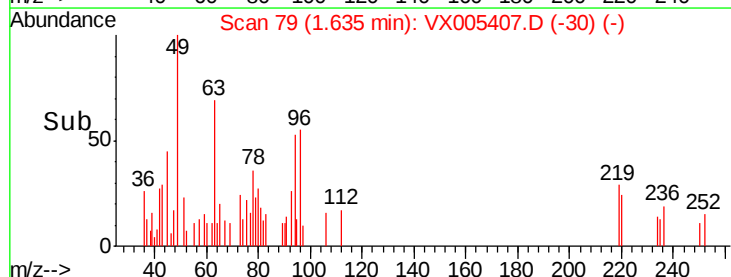
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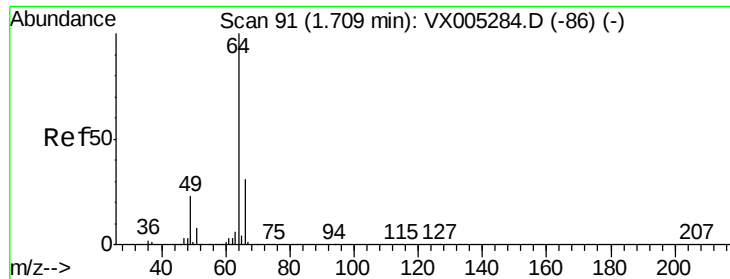
100

0

Time-->

1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.354 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005407.D

Acq: 17 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

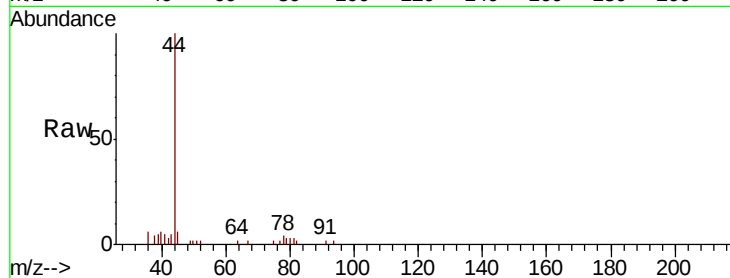
RLF-SW-8

Tot Ion: 64 Resp: 41

Ion Ratio Lower Upper

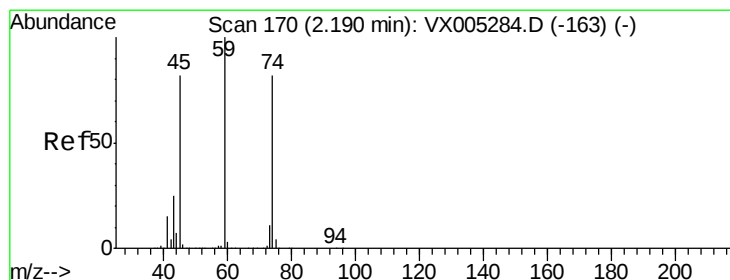
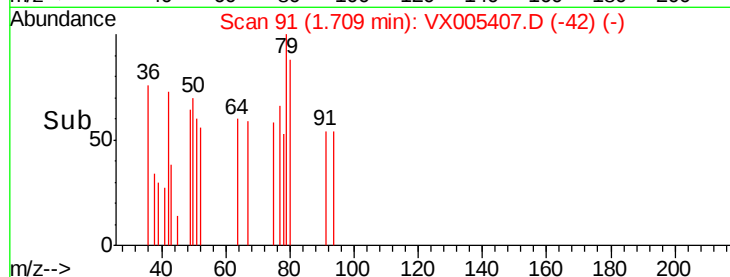
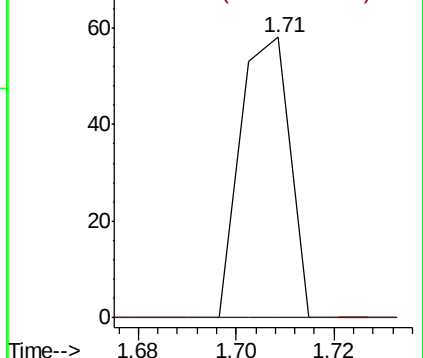
64 100

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



#8

Diethyl Ether

Concen: 0.607 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005407.D

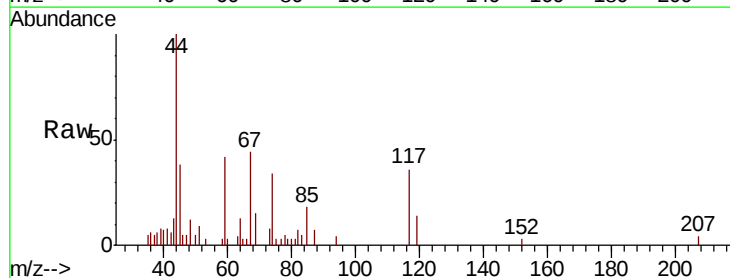
Acq: 17 Oct 2018 23:21

Tgt Ion: 74 Resp: 1144

Ion Ratio Lower Upper

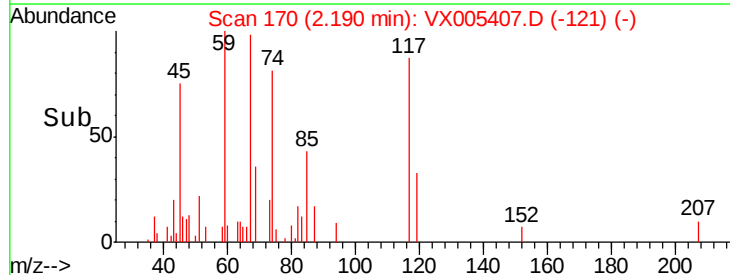
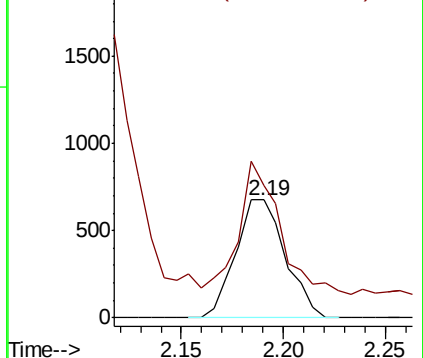
74 100

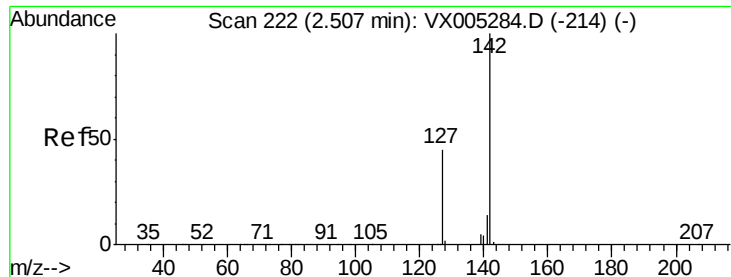
45 93.4 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

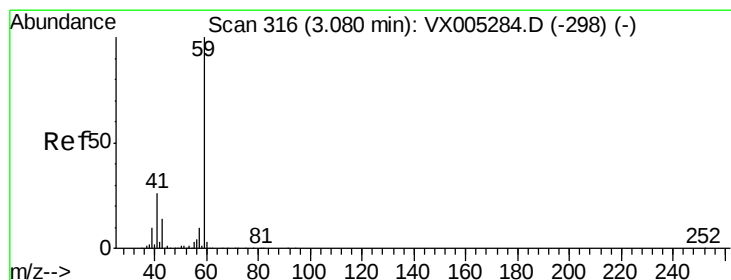
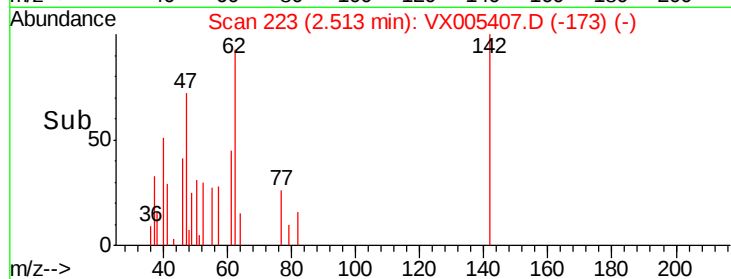
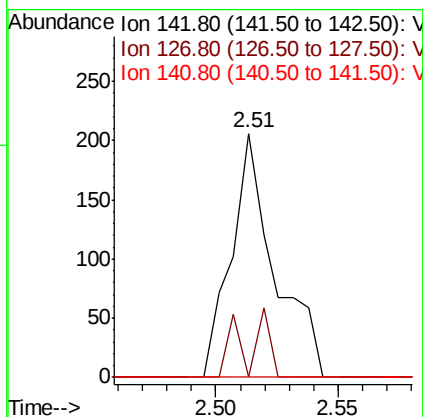
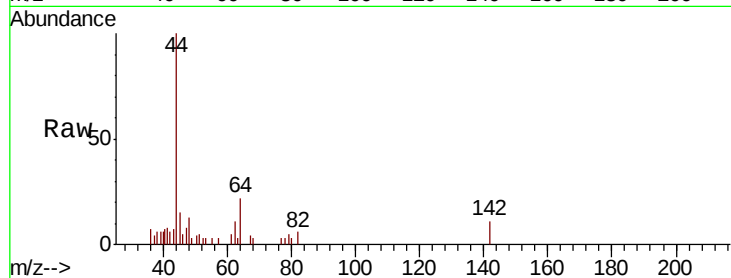




#10
Methvl Iodide
Concen: 2.575 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

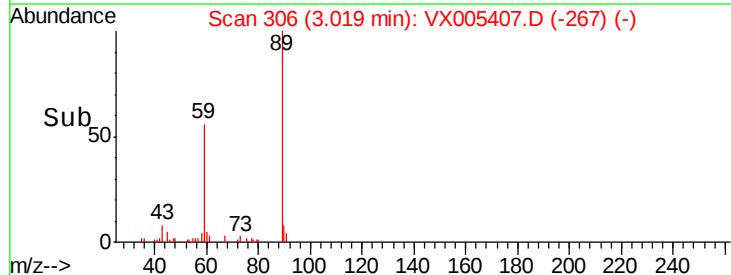
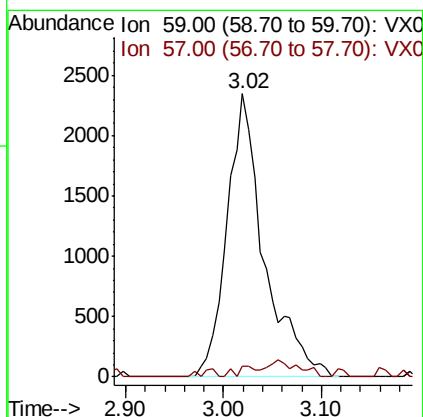
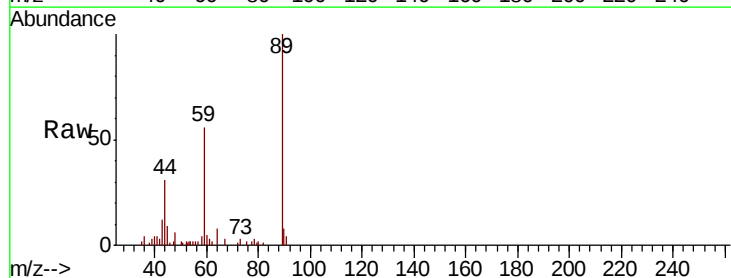
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-8

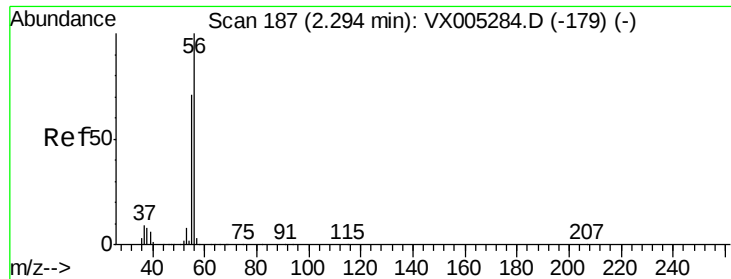
Tot Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 16.1 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.835 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Tgt Ion: 59 Resp: 6162
Ion Ratio Lower Upper
59 100
57 2.2 8.2 12.4#

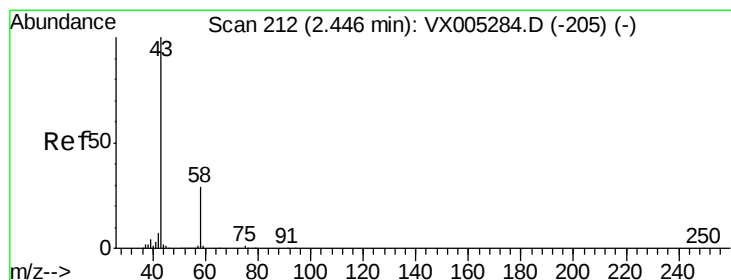
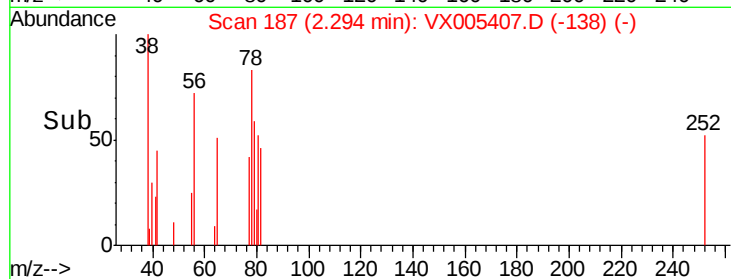
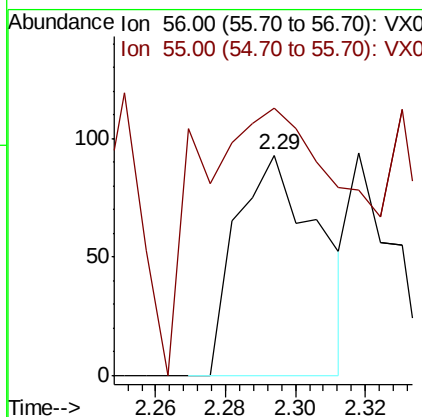
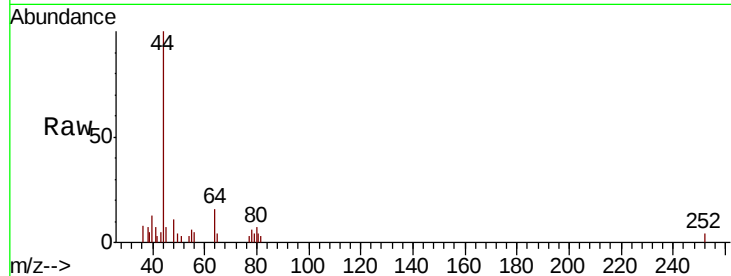




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

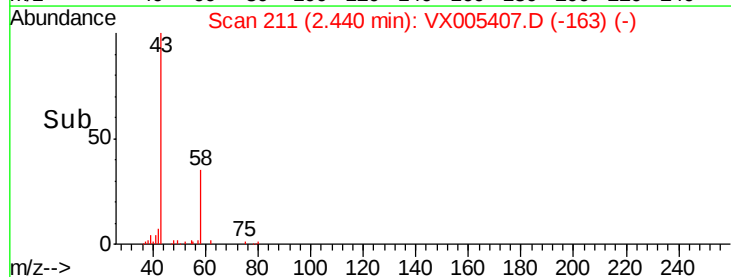
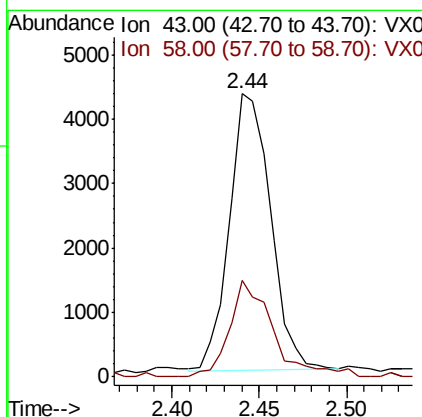
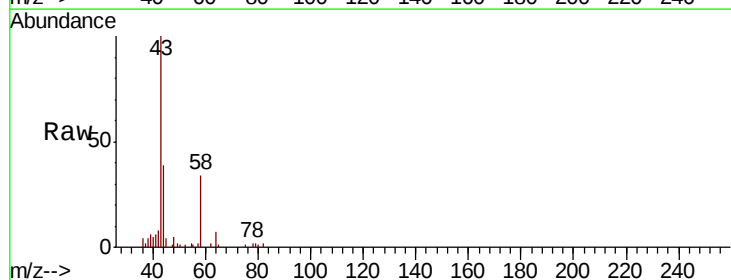
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-8

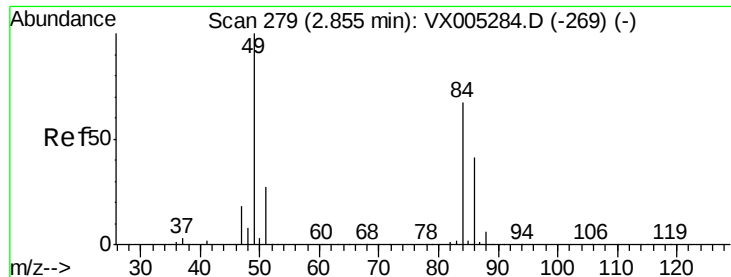
Tot Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 221.7 54.7 82.1#



#16
Acetone
Concen: 3.820 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Tgt Ion: 43 Resp: 7060
Ion Ratio Lower Upper
43 100
58 35.1 26.2 39.4

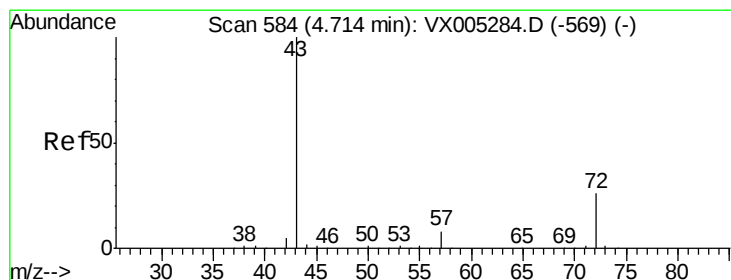
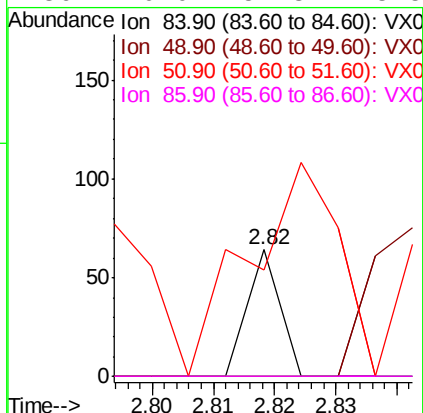
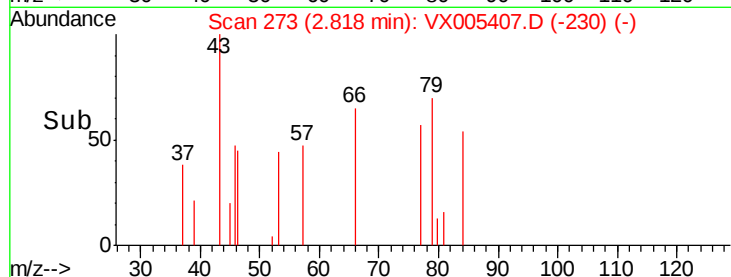
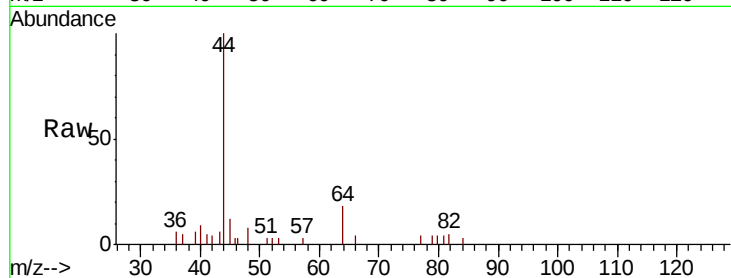




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 273
Delta R.T. -0.04 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

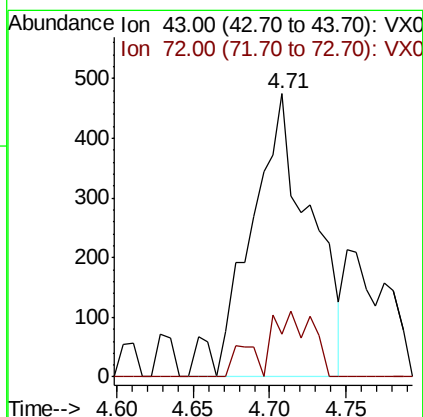
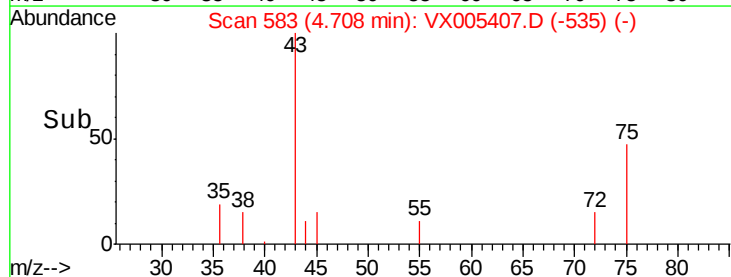
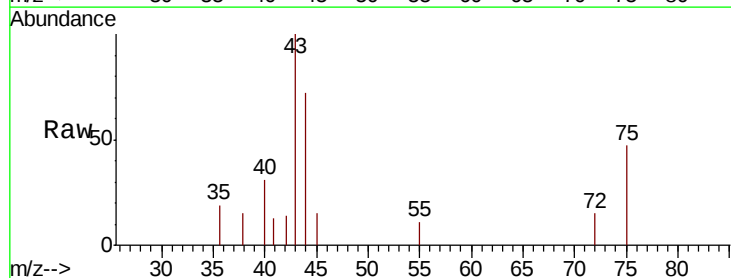
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-8

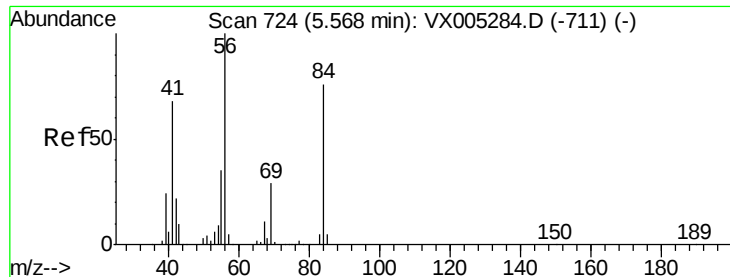
Tot Ion: 84 Resp: 23
Ion Ratio Lower Upper
84 100
49 0.0 101.2 151.8#
51 0.0 29.5 44.3#
86 0.0 52.3 78.5#



#25
2-Butanone
Concen: 0.475 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.01 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
72 15.2 22.0 33.0#

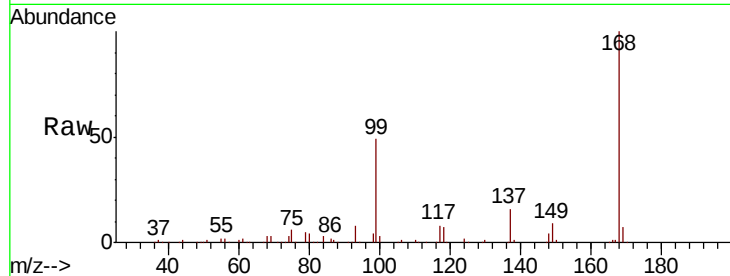




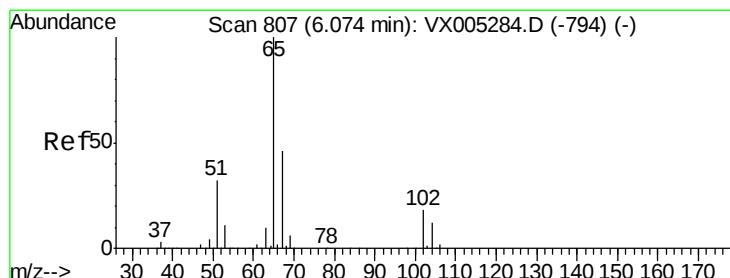
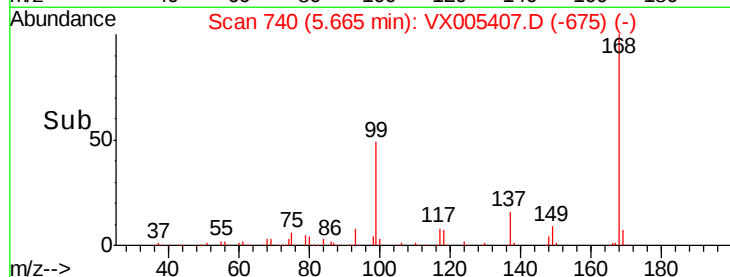
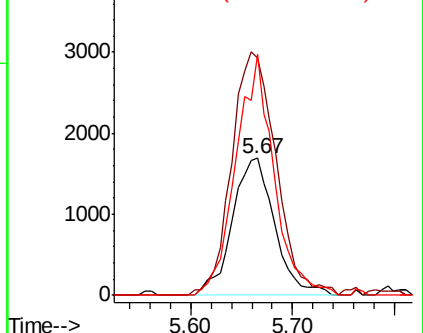
#31
Cyclohexane
Concen: 1.109 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-8

Tot Ion: 56 Resp: 4873
Ion Ratio Lower Upper
56 100
69 173.1 25.4 38.2#
84 175.9 71.4 107.2#

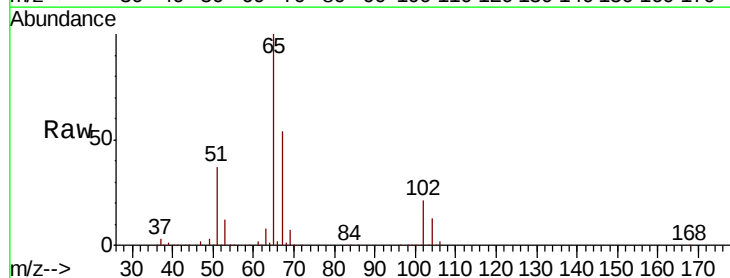


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

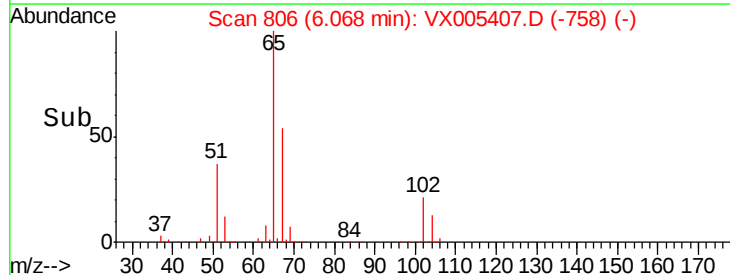
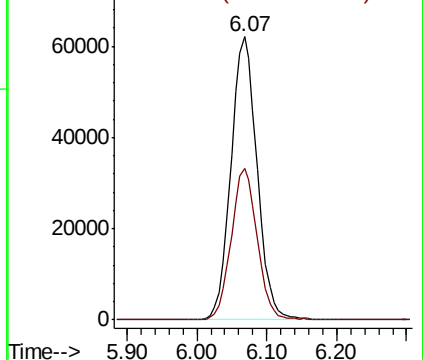


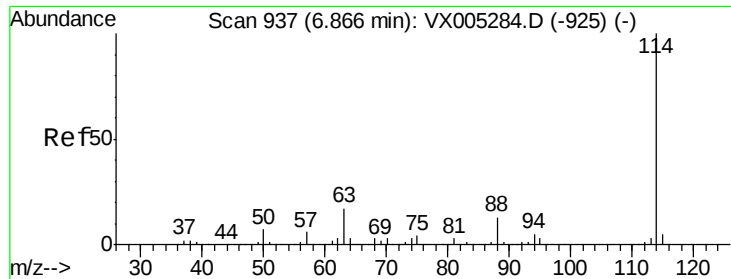
#33
1,2-Dichloroethane-d4
Concen: 50.467 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Tgt Ion: 65 Resp: 161297
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8



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

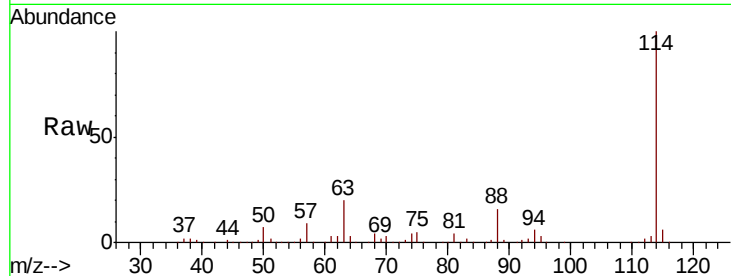




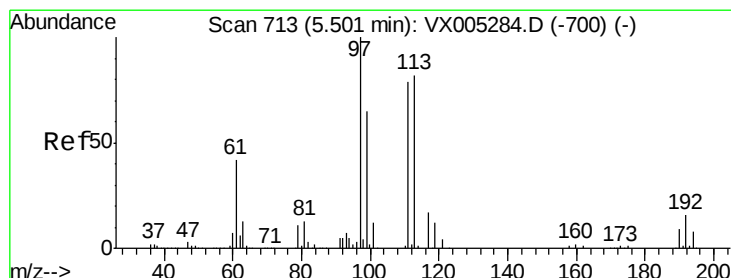
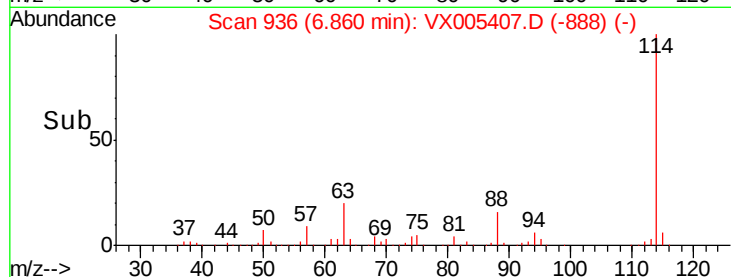
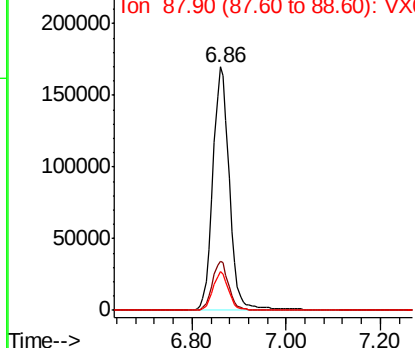
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005407.D
 Acq: 17 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-8

Tot Ion:114 Resp: 415880
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 16.2 0.0 30.4

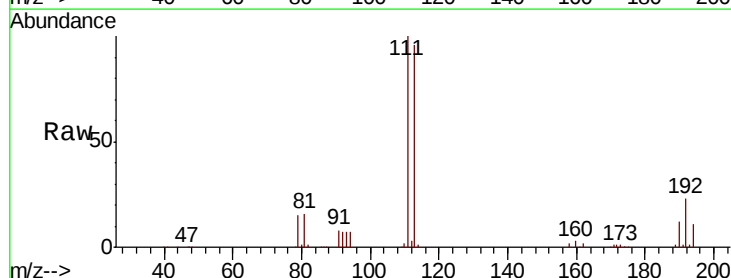


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

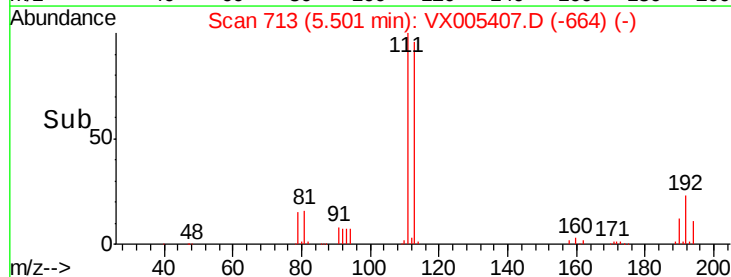
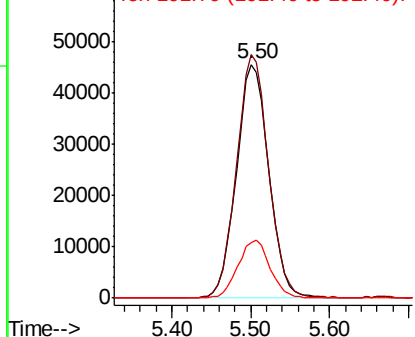


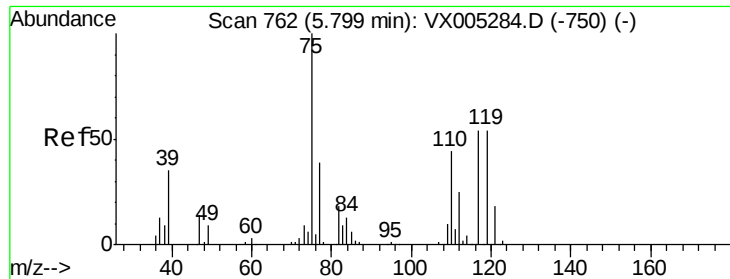
#35
 Dibromofluoromethane
 Concen: 47.368 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005407.D
 Acq: 17 Oct 2018 23:21

Tgt Ion:113 Resp: 130474
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 24.4 19.4 29.2



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

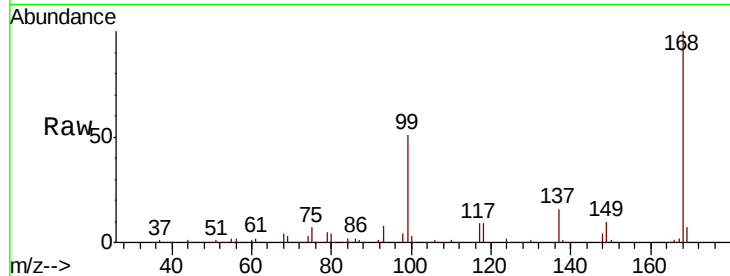




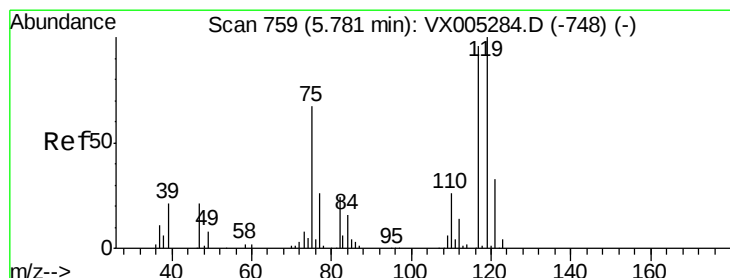
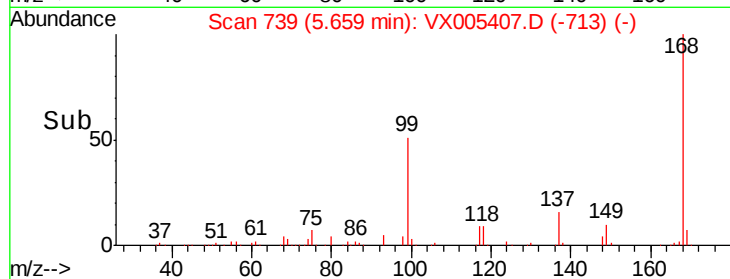
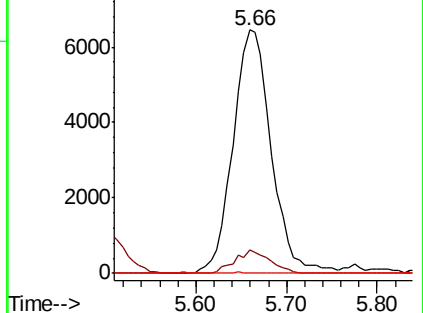
#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005407.D
 Acq: 17 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RLF-SW-8

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.1	24.6	36.8#

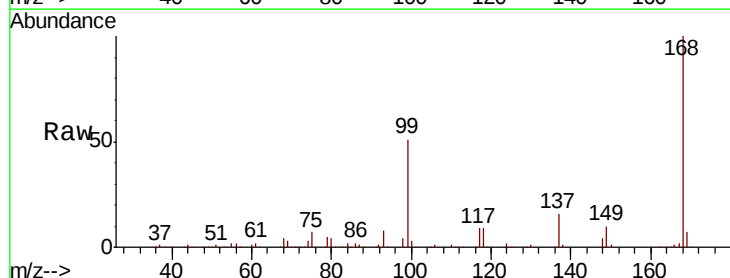


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

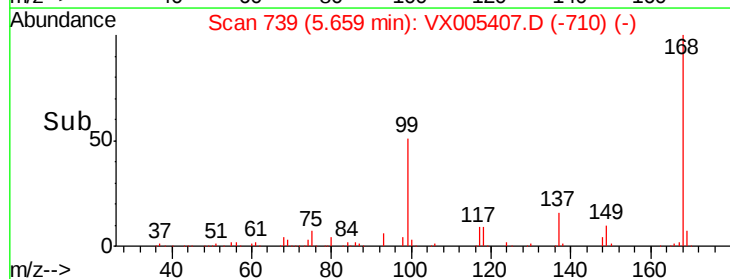
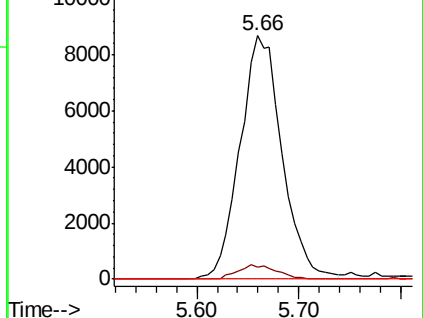


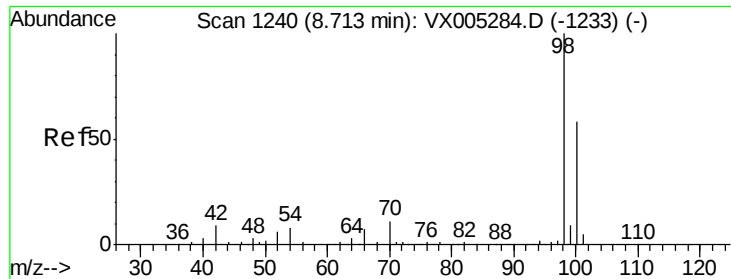
#38
 Carbon Tetrachloride
 Concen: 6.149 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005407.D
 Acq: 17 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	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

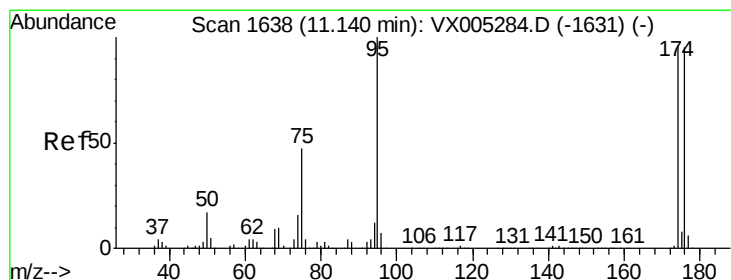
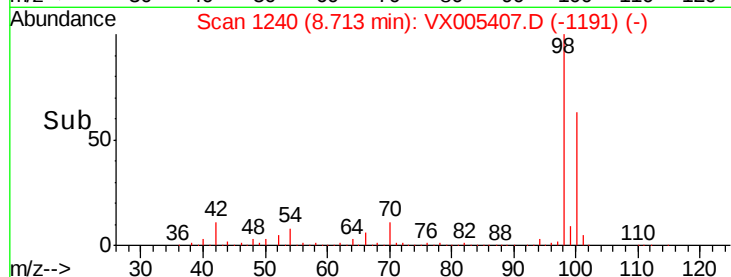
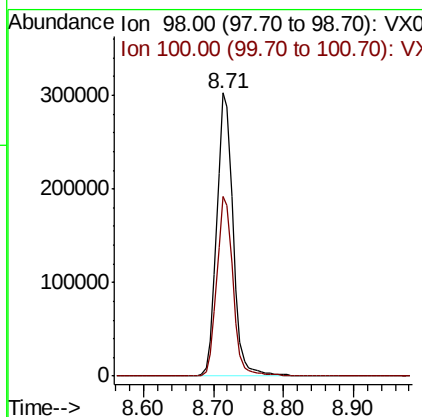
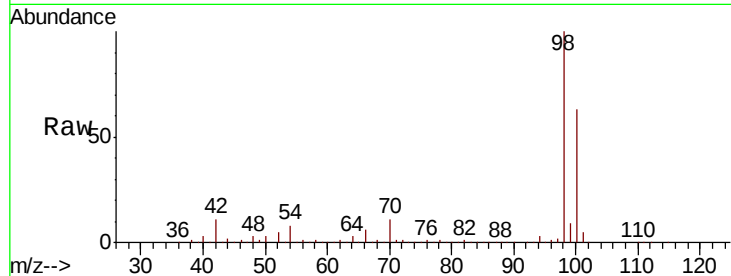




#50
Toluene-d8
Concen: 52.105 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

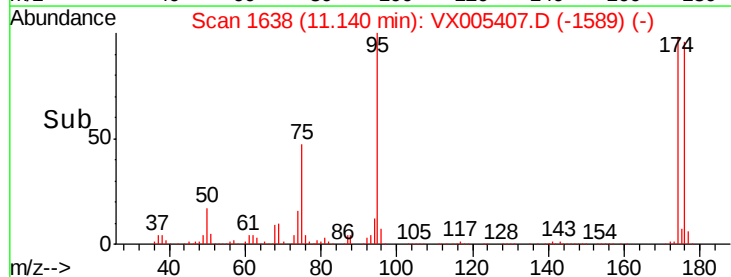
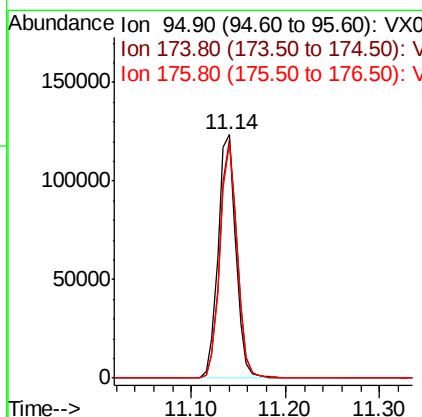
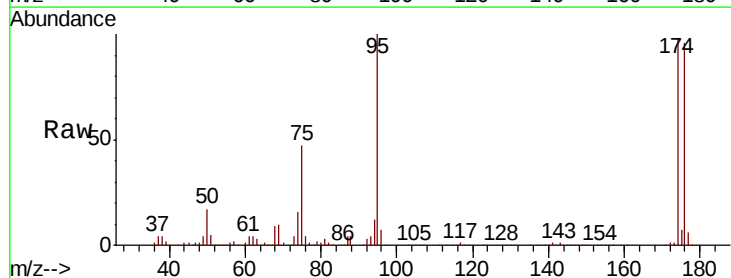
Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-8

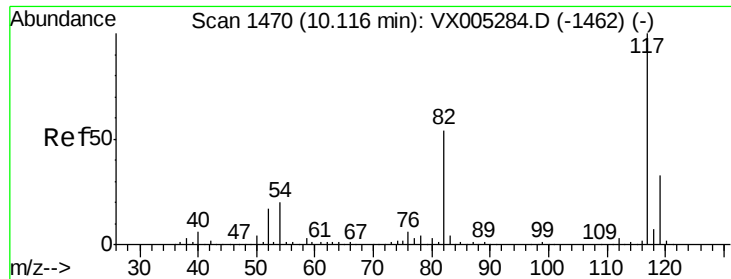
Tot Ion: 98 Resp: 492719
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.660 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Tgt Ion: 95 Resp: 162201
Ion Ratio Lower Upper
95 100
174 95.5 0.0 185.2
176 93.1 0.0 178.6

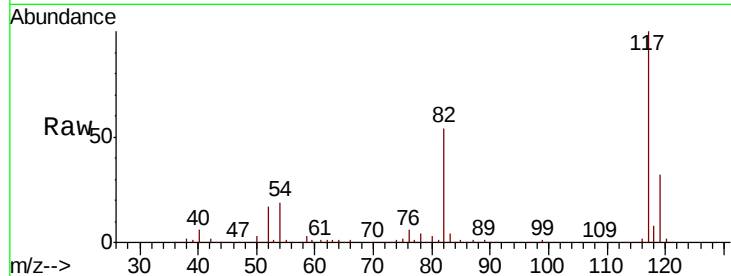




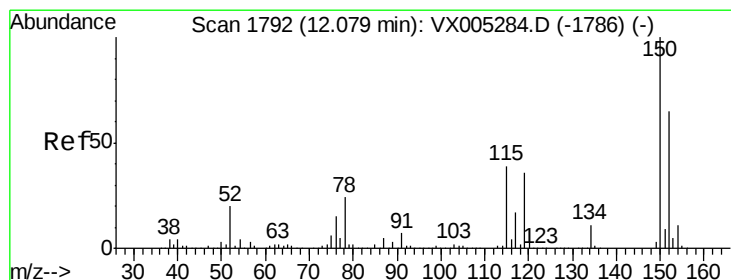
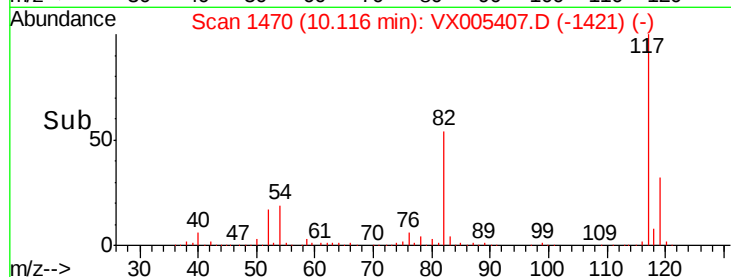
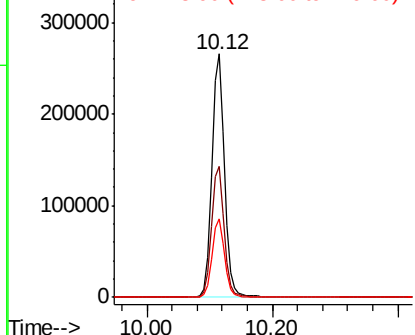
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
RLF-SW-8

Tot Ion:117 Resp: 366961
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.6
119 32.1 29.3 43.9

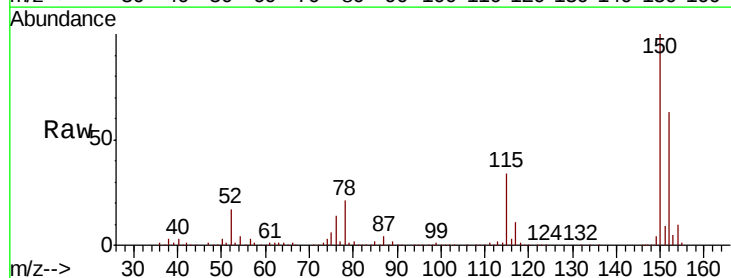


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

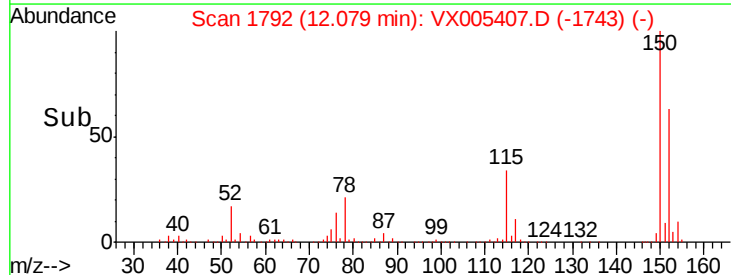
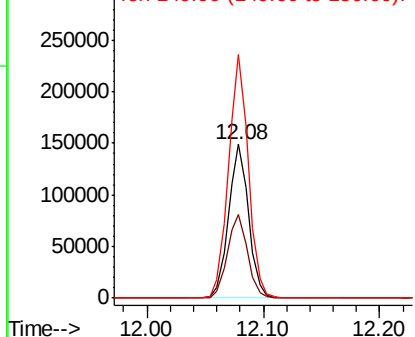


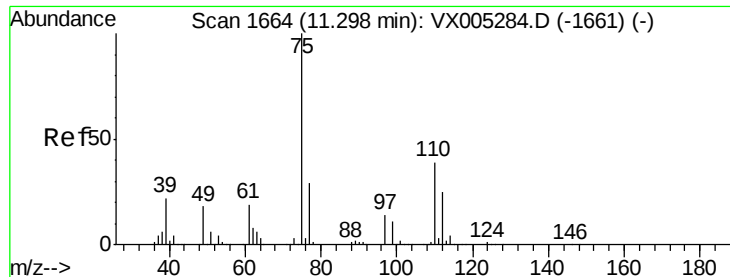
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005407.D
Acq: 17 Oct 2018 23:21

Tgt Ion:152 Resp: 177403
Ion Ratio Lower Upper
152 100
115 54.6 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: 22.785 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005407.D

Acq: 17 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

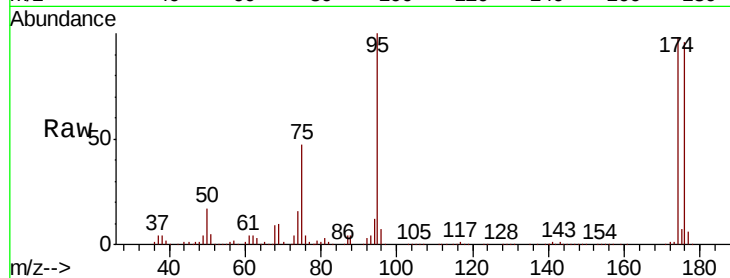
RLF-SW-8

Tot Ion: 75 Resp: 78406

Ion Ratio Lower Upper

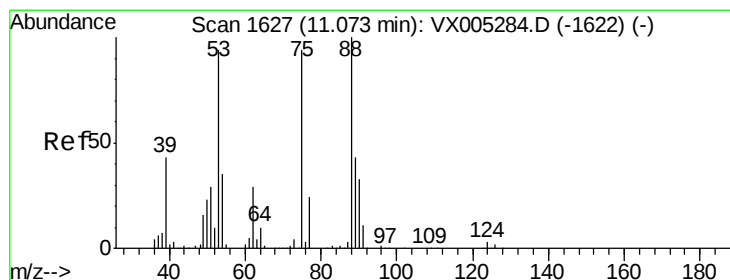
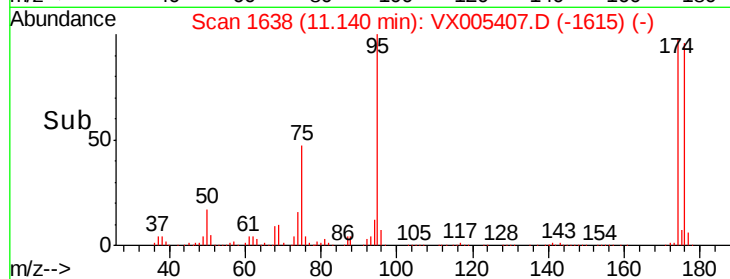
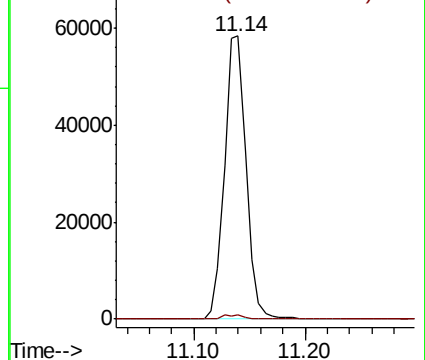
75 100

77 1.5 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: 69.232 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005407.D

Acq: 17 Oct 2018 23:21

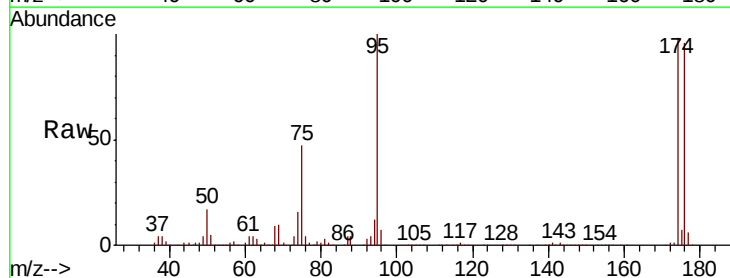
Tgt Ion: 75 Resp: 78406

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

