

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005432.D
 Acq On : 18 Oct 2018 16:10
 Operator : JC/MD
 Sample : J5202-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-03-101718-B

Quant Time: Oct 19 03:33:50 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	324605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	401986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192504	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	169144	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.51	113	149762	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	536980	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.14	95	177144	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

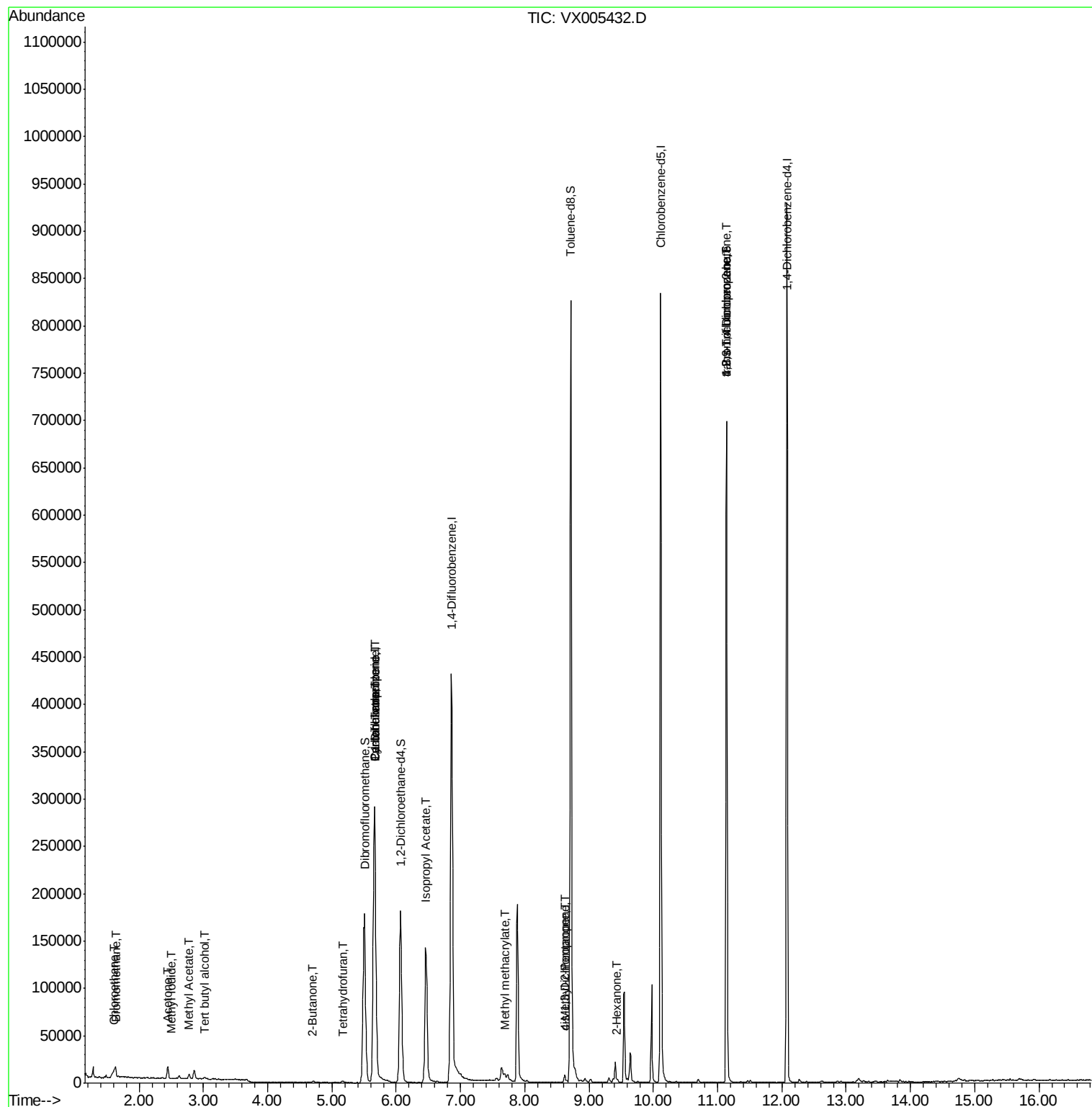
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	727	0.926	ug/l #	77
6) Chloroethane	1.60	64	1440	0.926	ug/l #	65
10) Methyl Iodide	2.51	142	437	2.621	ug/l #	90
11) Tert butyl alcohol	3.01	59	1228	1.208	ug/l	96
13) Acrolein	2.29	56	113	Below Cal	#	45
16) Acetone	2.45	43	12805	6.147	ug/l	96
18) Methyl Acetate	2.78	43	5581	0.942	ug/l	98
25) 2-Butanone	4.70	43	2678	0.879	ug/l	95
29) Tetrahydrofuran	5.17	42	1519	0.781	ug/l #	70
31) Cyclohexane	5.67	56	5172	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19244	4.341	ug/l #	50
38) Carbon Tetrachloride	5.67	117	26732	6.002	ug/l #	16
43) Isopropyl Acetate	6.46	43	185127	24.379	ug/l	99
44) Trichloroethene	7.22	130	104	Below Cal		4
48) Methyl methacrylate	7.69	41	7763	1.971	ug/l #	19
51) 4-Methyl-2-Pentanone	8.62	43	2380	0.453	ug/l #	34
54) cis-1,3-Dichloropropene	8.62	75	1303	0.279	ug/l #	58
59) 2-Hexanone	9.44	43	1370	0.324	ug/l #	22
76) 1,2,3-Trichloropropane	11.14	75	85382	22.866	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	85382	69.478	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101818\
Data File : VX005432.D
Acq On : 18 Oct 2018 16:10
Operator : JC/MD
Sample : J5202-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

Quant Time: Oct 19 03:33:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 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: VX005432.D

Acq: 18 Oct 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

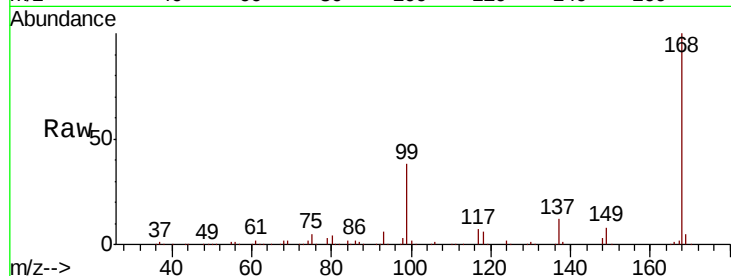
PL-03-101718-B

Tot Ion:168 Resp: 324605

Ion Ratio Lower Upper

168 100

99 38.0 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

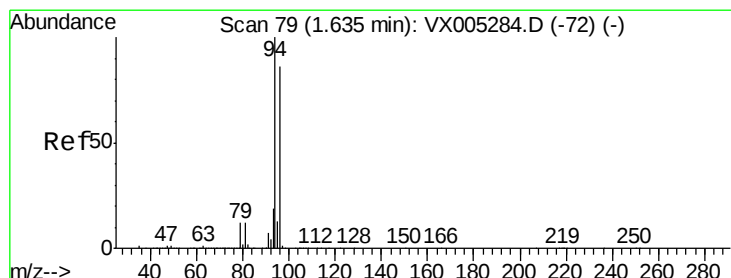
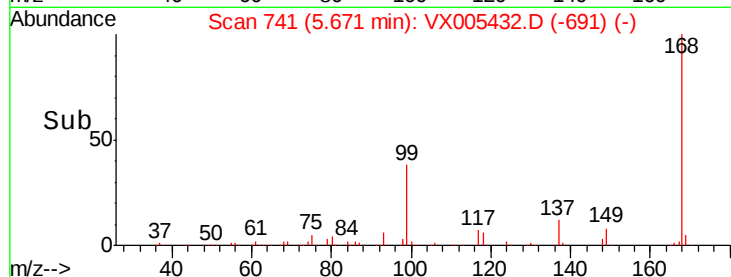
5.67

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.926 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005432.D

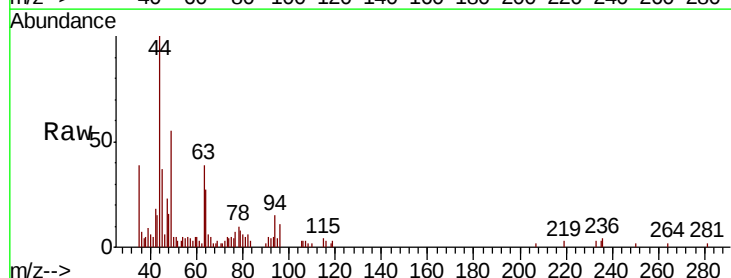
Acq: 18 Oct 2018 16:10

Tgt Ion: 94 Resp: 727

Ion Ratio Lower Upper

94 100

96 71.0 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

400

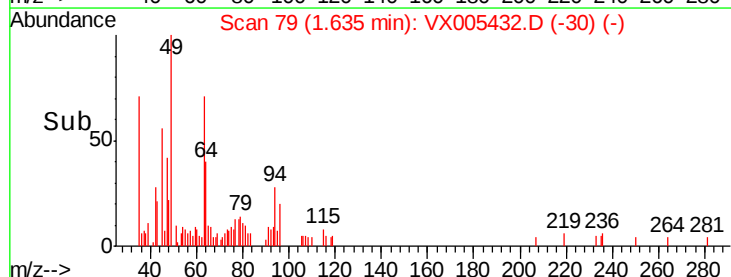
300

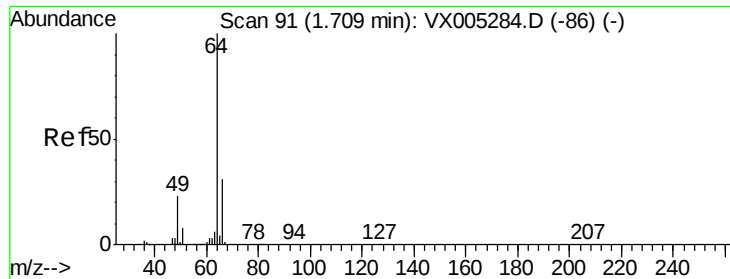
200

100

0

Time-->





#6

Chloroethane

Concen: 0.926 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.10 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

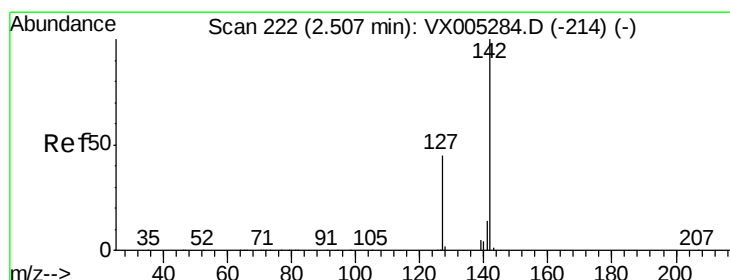
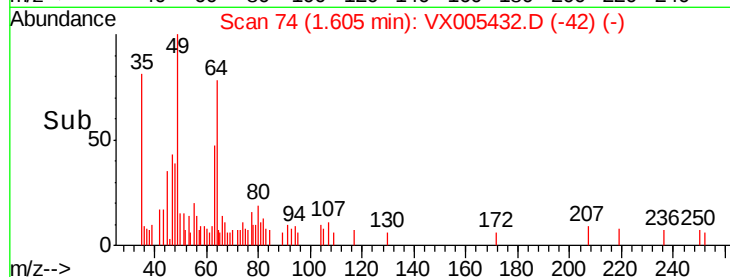
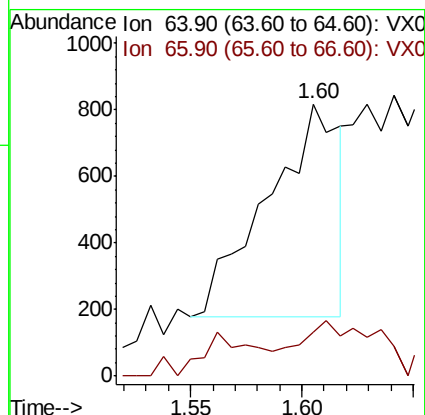
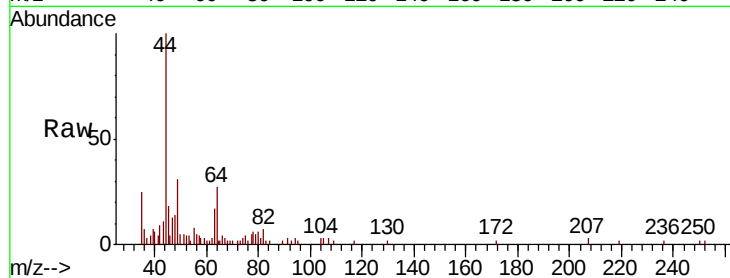
PL-03-101718-B

Tot Ion: 64 Resp: 1440

Ion Ratio Lower Upper

64 100

66 11.4 24.6 36.8#



#10

Methyl Iodide

Concen: 2.621 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

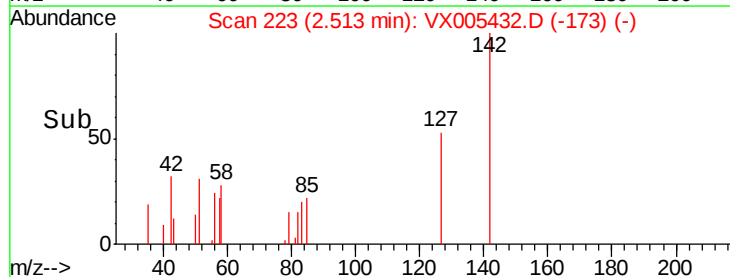
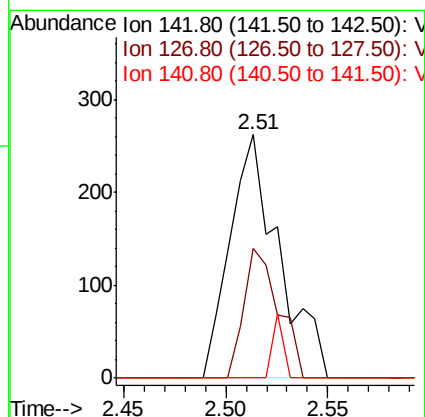
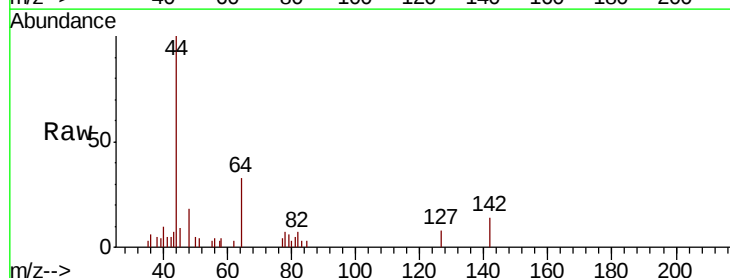
Tgt Ion: 142 Resp: 437

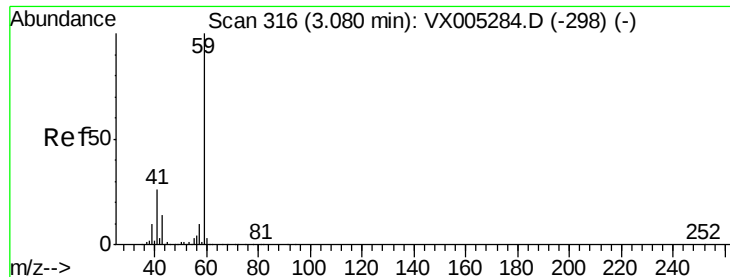
Ion Ratio Lower Upper

142 100

127 37.8 33.8 50.6

141 5.7 11.4 17.0#



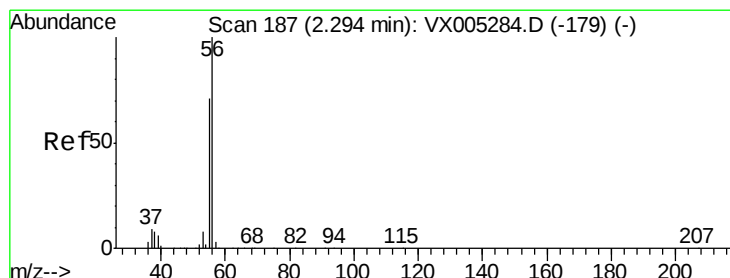
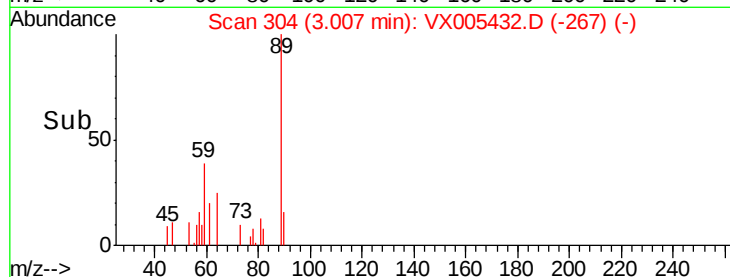
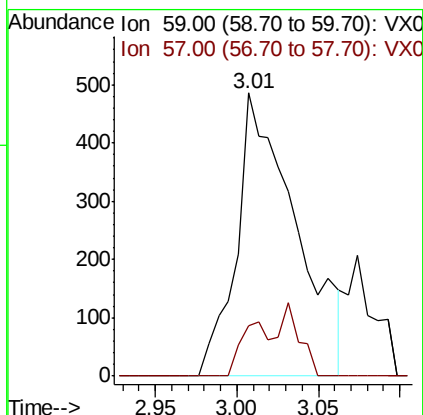
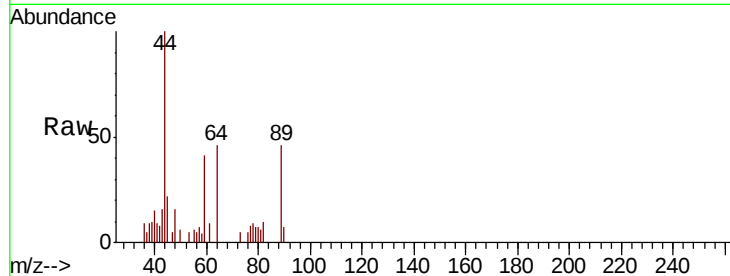


#11

Tert butyl alcohol
Concen: 1.208 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.07 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

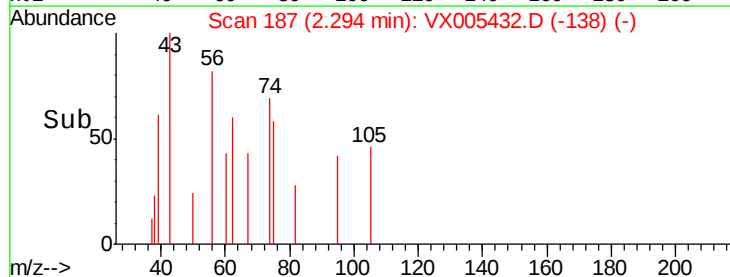
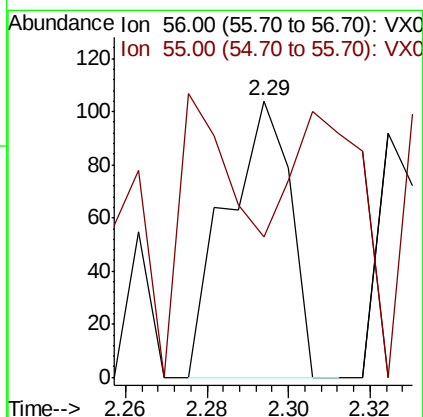
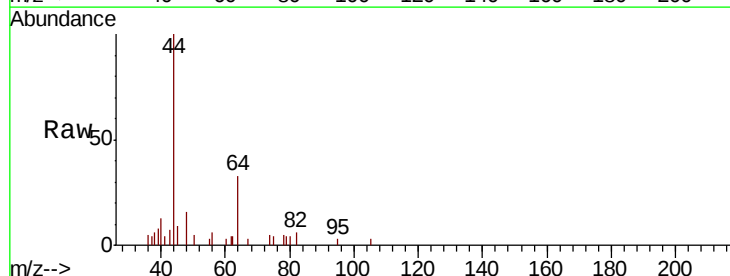
Tot Ion: 59 Resp: 1228
Ion Ratio Lower Upper
59 100
57 8.8 8.2 12.4

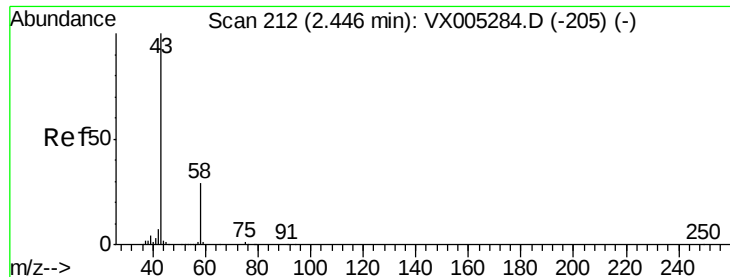


#13

Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
55 113.3 54.7 82.1#

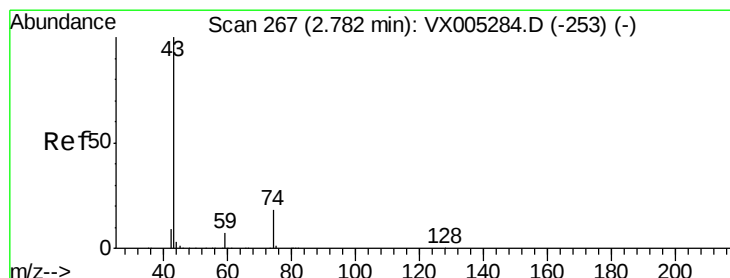
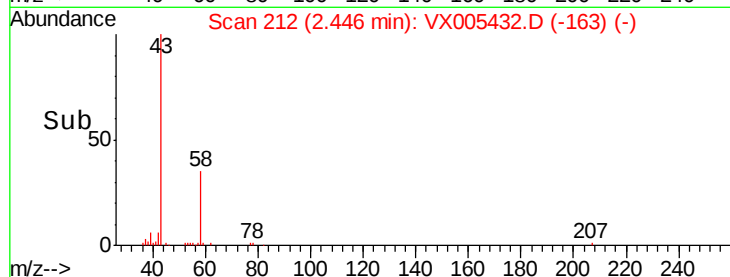
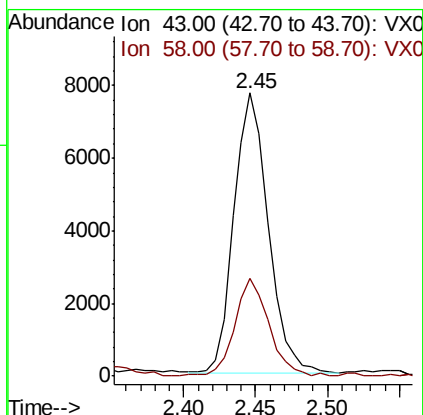
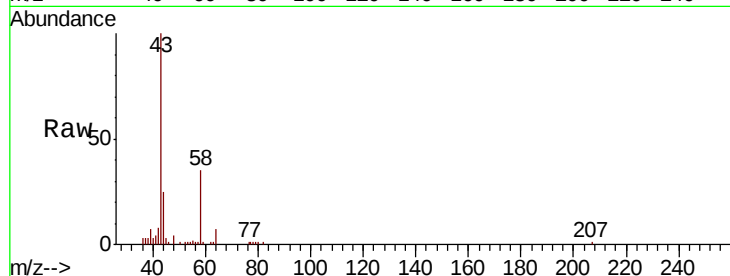




#16
Acetone
Concen: 6.147 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

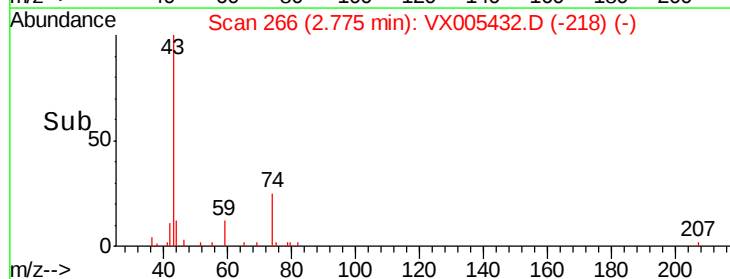
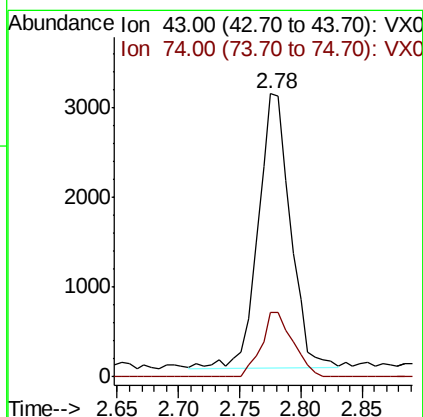
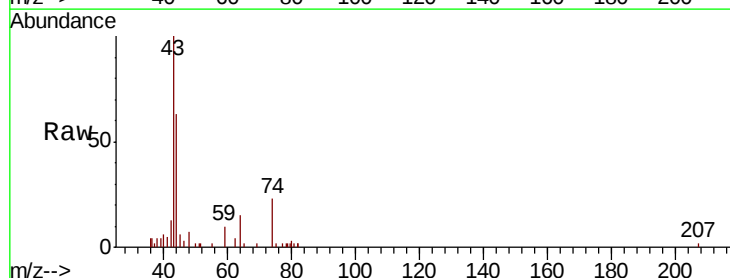
Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

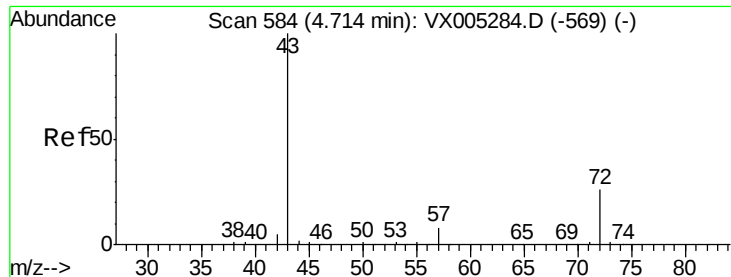
Tot Ion: 43 Resp: 12805
Ion Ratio Lower Upper
43 100
58 34.9 26.2 39.4



#18
Methyl Acetate
Concen: 0.942 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion: 43 Resp: 5581
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2





#25

2-Butanone

Concen: 0.879 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

Instrument :

MSVOA_X

ClientSampled :

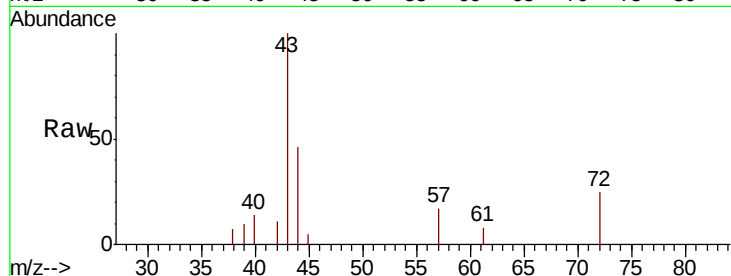
PL-03-101718-B

Tot Ion: 43 Resp: 2678

Ion Ratio Lower Upper

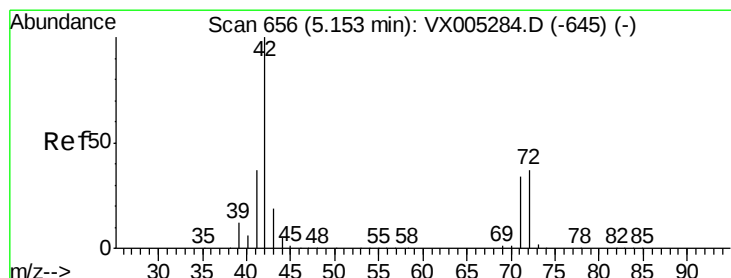
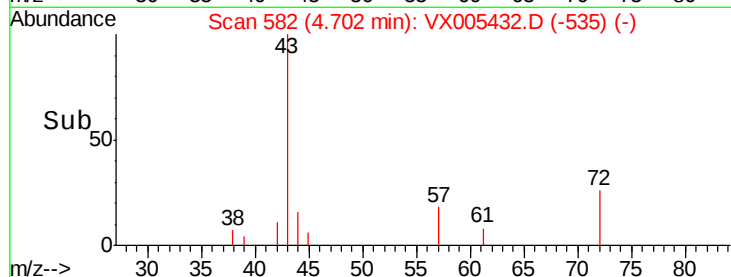
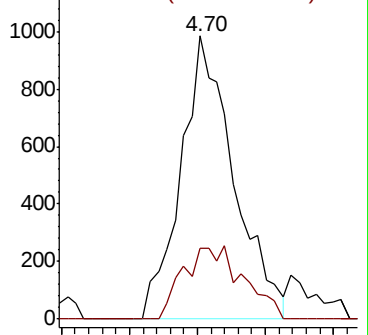
43 100

72 25.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.781 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

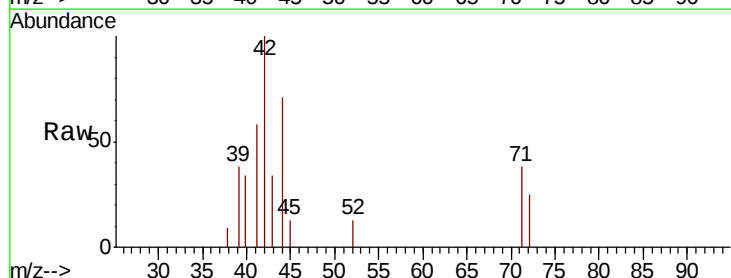
Tgt Ion: 42 Resp: 1519

Ion Ratio Lower Upper

42 100

72 18.0 37.4 56.0#

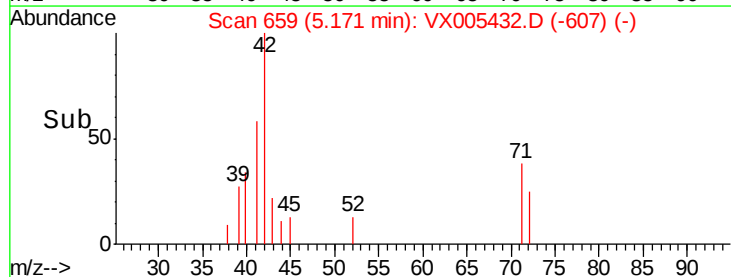
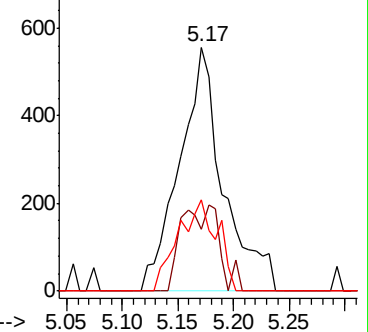
71 33.4 34.5 51.7#

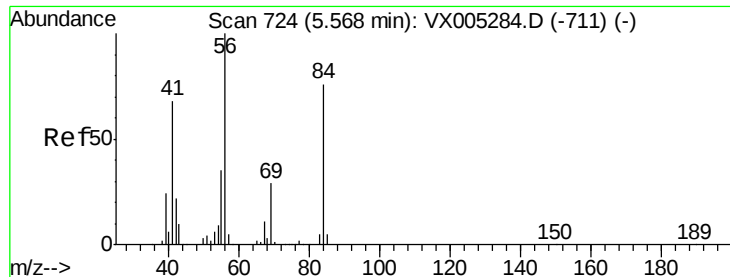


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

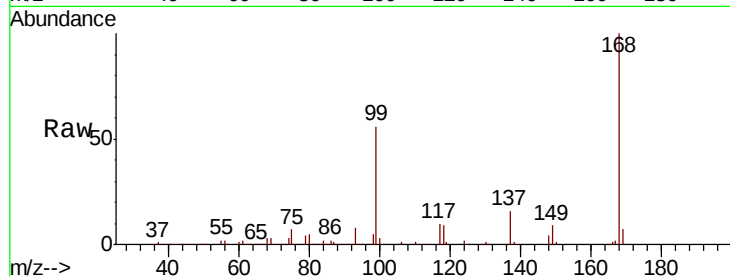




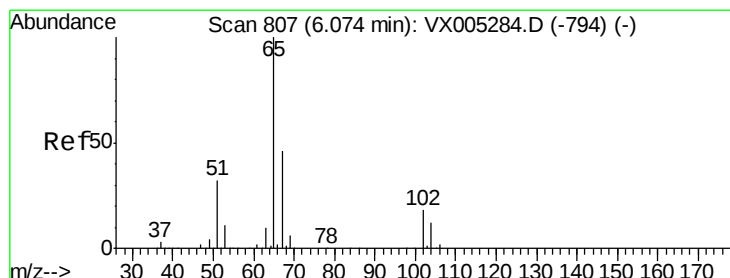
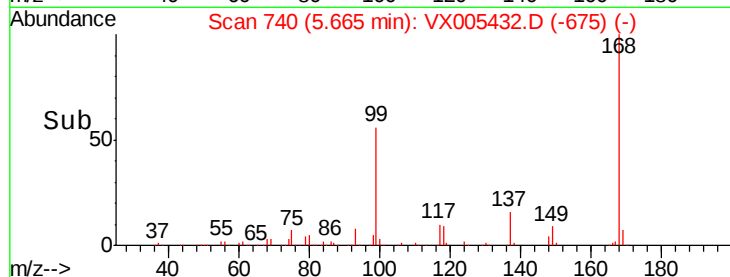
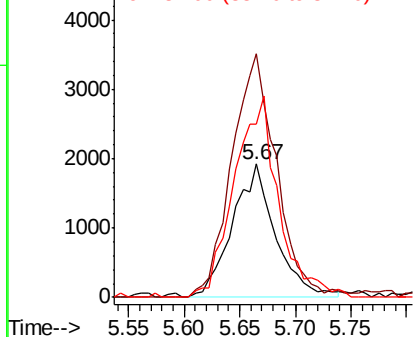
#31
Cyclohexane
Concen: 1.044 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

Tot Ion: 56 Resp: 5172
Ion Ratio Lower Upper
56 100
69 182.5 25.4 38.2#
84 129.9 71.4 107.2#

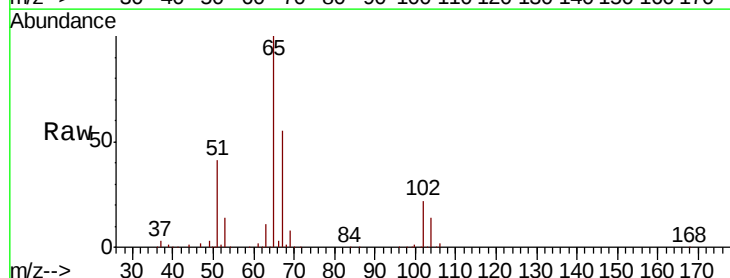


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

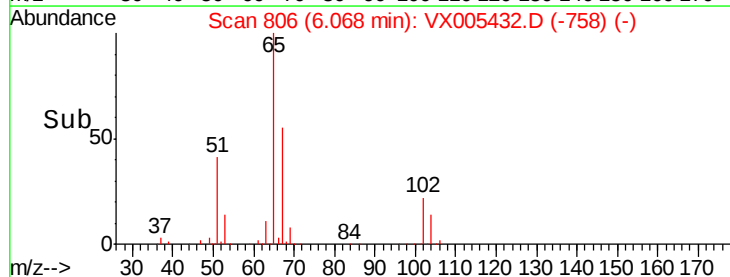
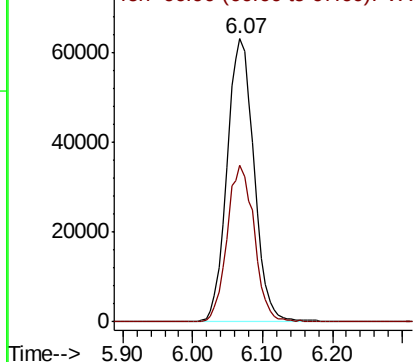


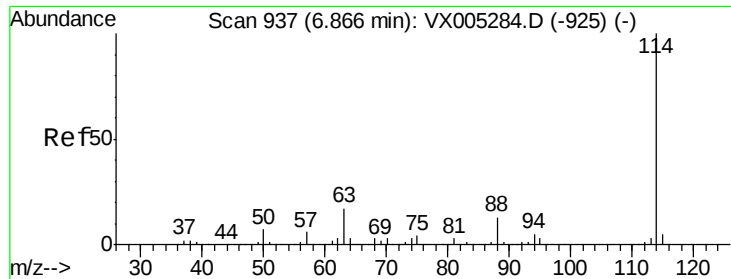
#33
1,2-Dichloroethane-d4
Concen: 46.950 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion: 65 Resp: 169144
Ion Ratio Lower Upper
65 100
67 55.2 0.0 106.8



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

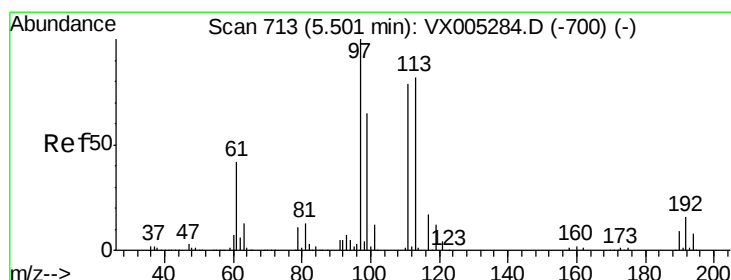
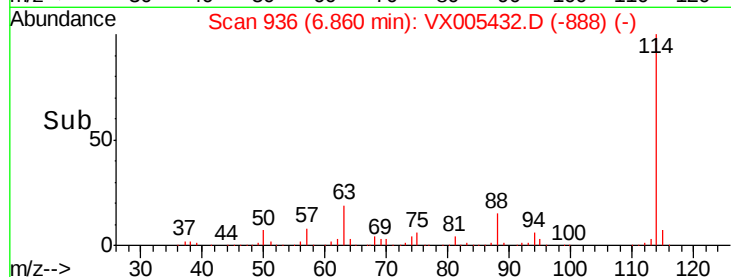
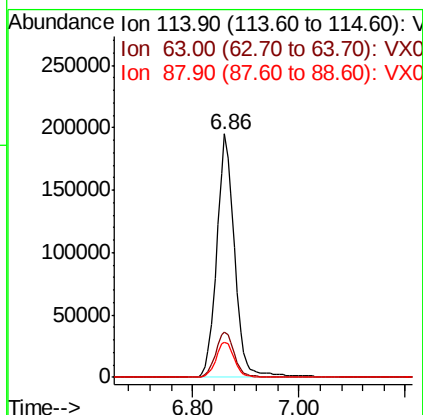
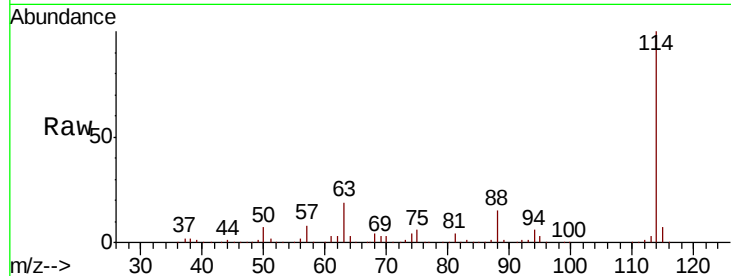




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

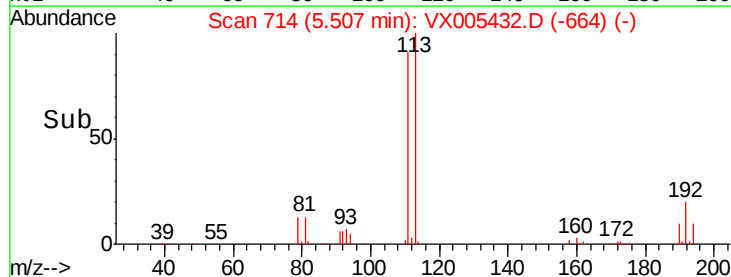
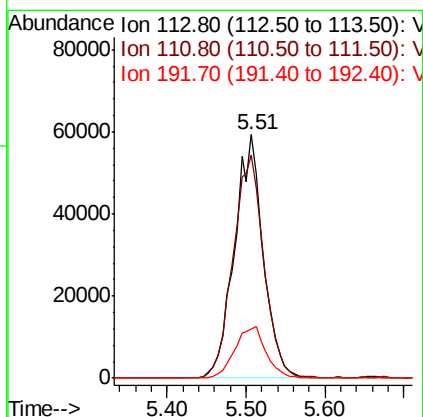
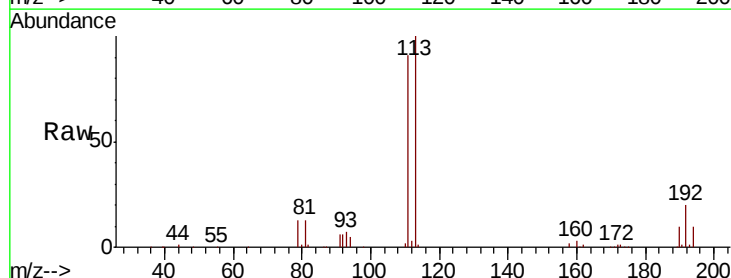
Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

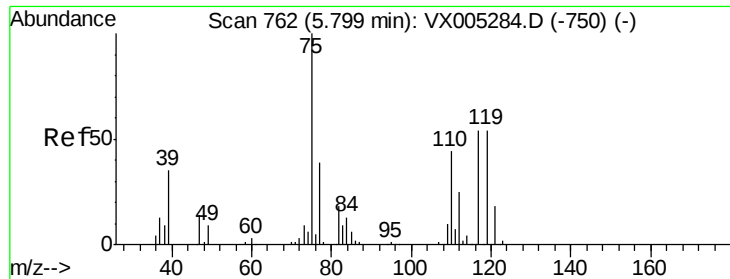
Tot Ion:114 Resp: 457687
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.0
88 14.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 49.404 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion:113 Resp: 149762
Ion Ratio Lower Upper
113 100
111 98.2 82.4 123.6
192 23.0 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.341 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

PL-03-101718-B

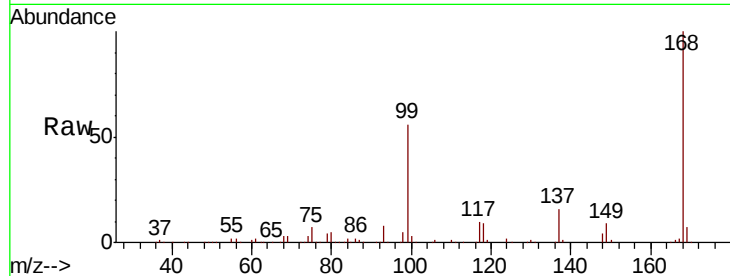
Tot Ion: 75 Resp: 19244

Ion Ratio Lower Upper

75 100

110 9.4 18.0 54.0#

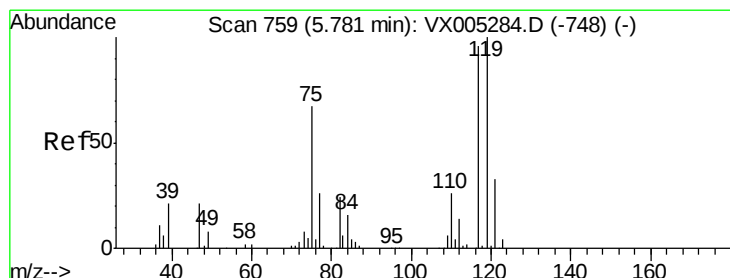
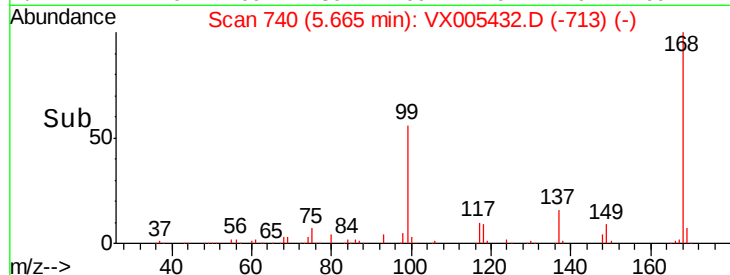
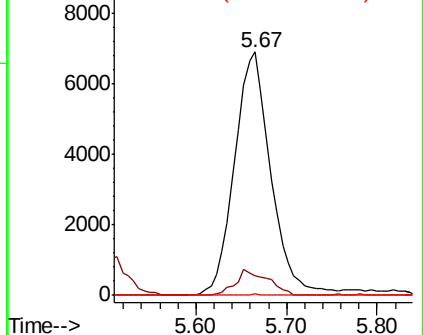
77 0.1 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-750) (-)

Ion 109.90 (109.60 to 110.60): VX005284.D (-750) (-)

Ion 76.90 (76.60 to 77.60): VX005284.D (-750) (-)



#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

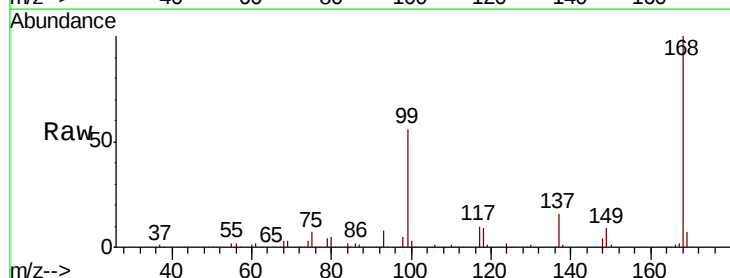
Tgt Ion: 117 Resp: 26732

Ion Ratio Lower Upper

117 100

119 6.1 78.8 118.2#

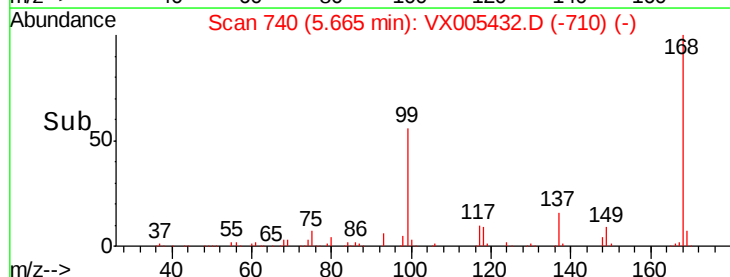
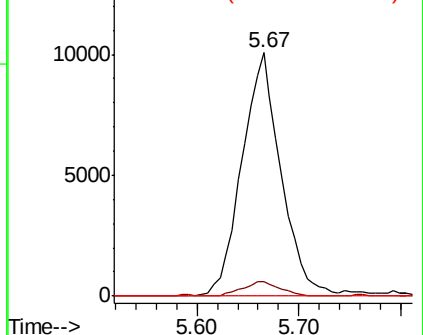
121 0.0 24.9 37.3#

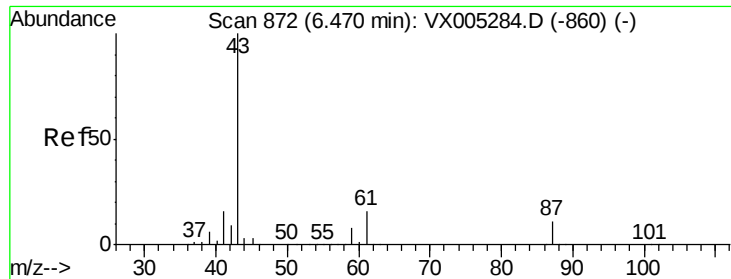


Abundance Ion 116.80 (116.50 to 117.50): VX005284.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005284.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005284.D (-748) (-)



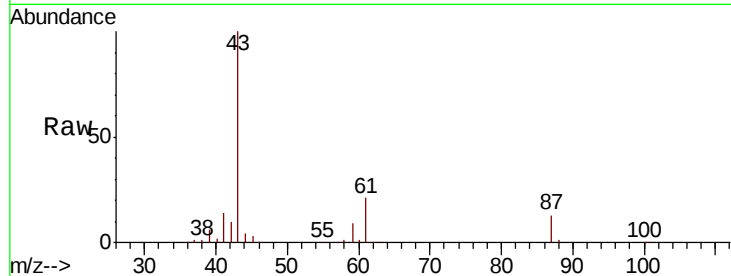


#43

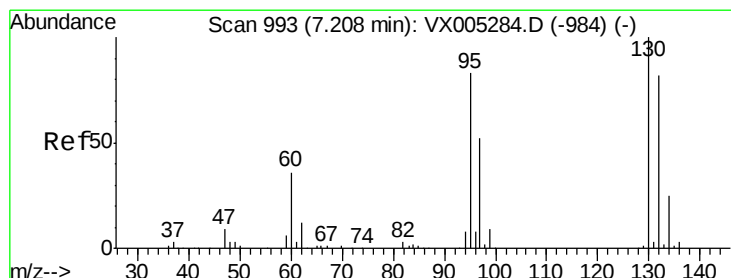
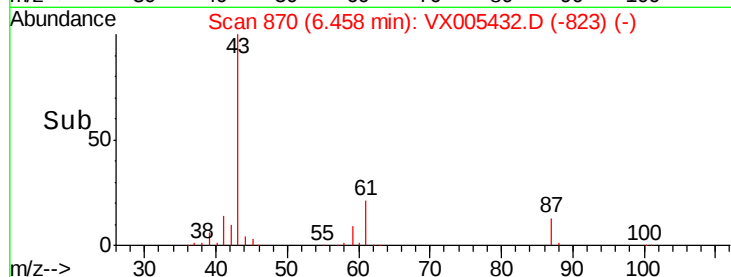
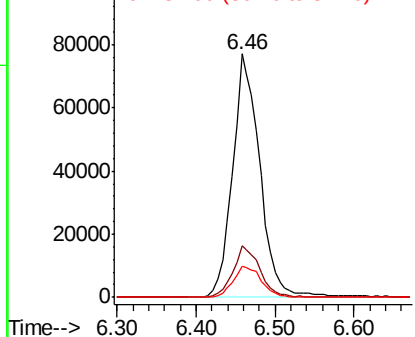
Isopropyl Acetate
 Concen: 24.379 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005432.D
 Acq: 18 Oct 2018 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-03-101718-B

Tot Ion: 43 Resp: 185127
 Ion Ratio Lower Upper
 43 100
 61 20.9 17.0 25.4
 87 13.4 11.4 17.2



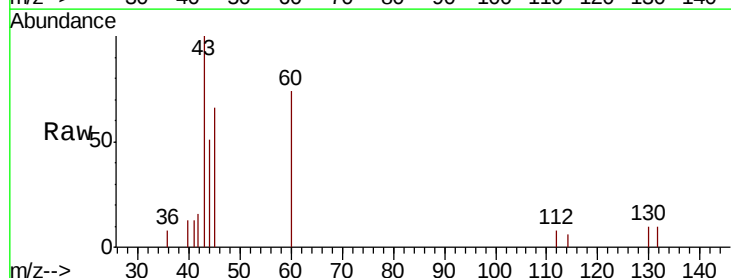
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



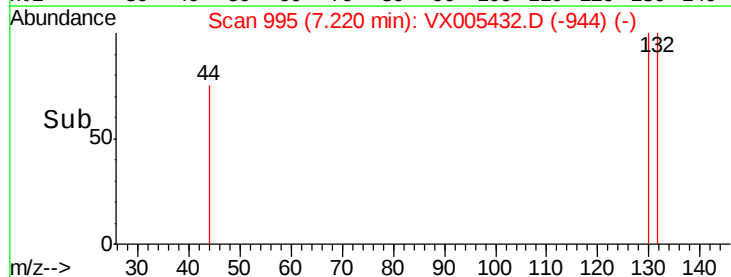
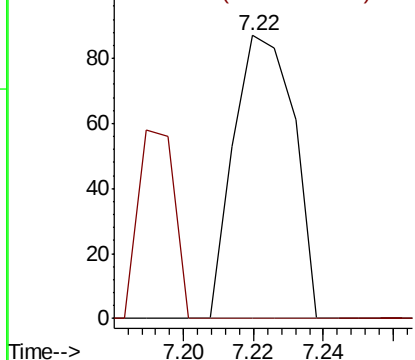
#44

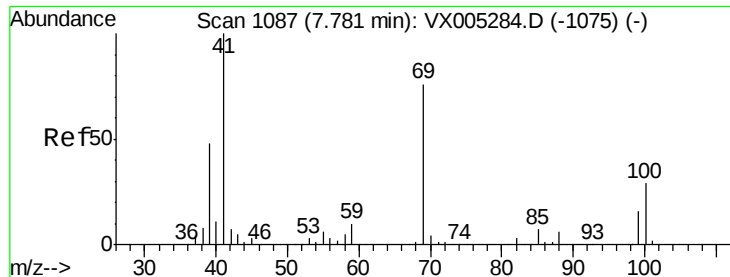
Trichloroethene
 Concen: Below Cal
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX005432.D
 Acq: 18 Oct 2018 16:10

Tgt Ion: 130 Resp: 104
 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

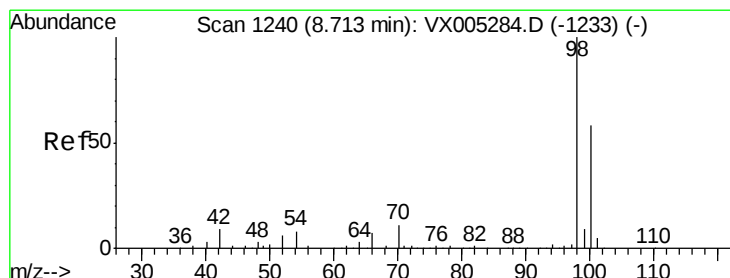
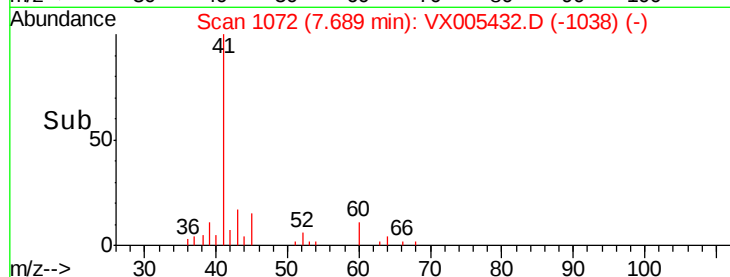
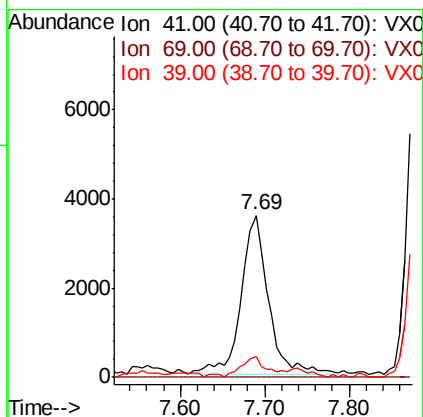
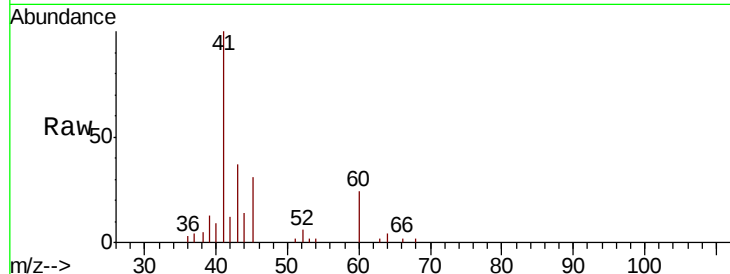




#48
Methvl methacrylate
Concen: 1.971 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

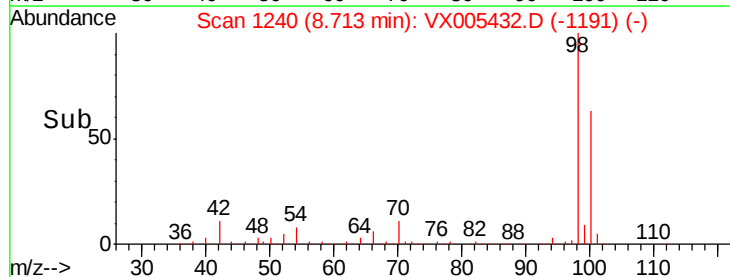
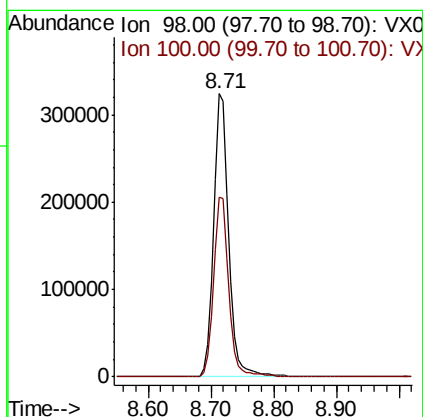
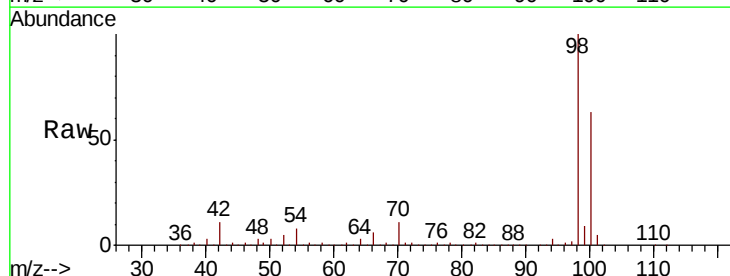
Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

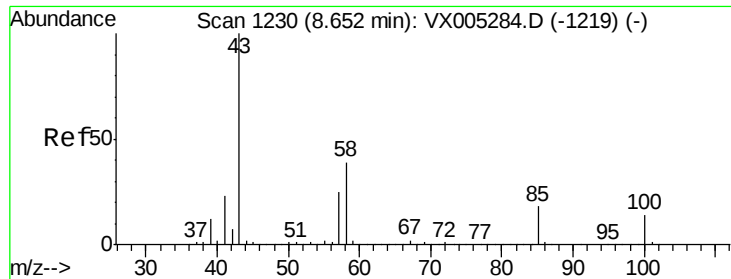
Tot Ion: 41 Resp: 7763
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 11.2 42.7 64.1#



#50
Toluene-d8
Concen: 51.598 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion: 98 Resp: 536980
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.453 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

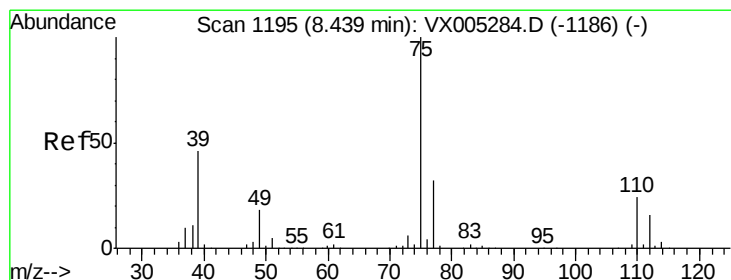
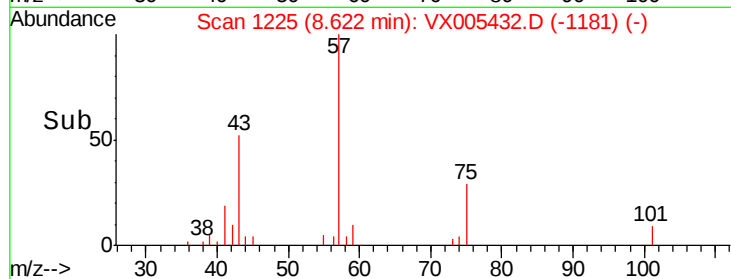
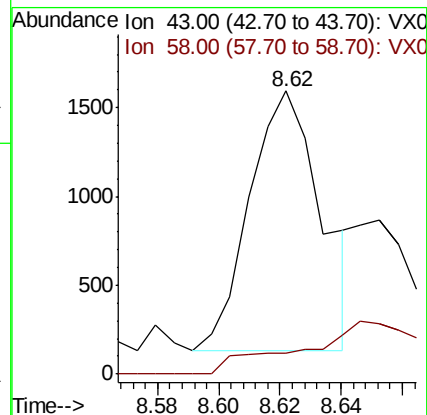
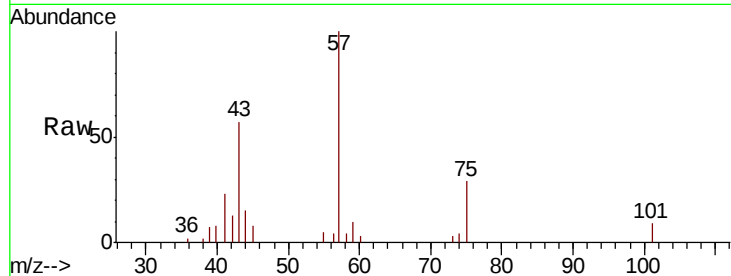
PL-03-101718-B

Tot Ion: 43 Resp: 2380

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#54

cis-1,3-Dichloropropene

Concen: 0.279 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

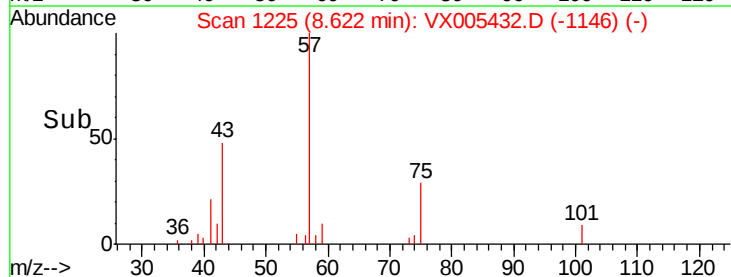
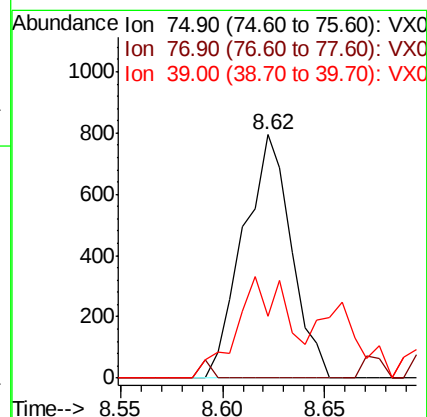
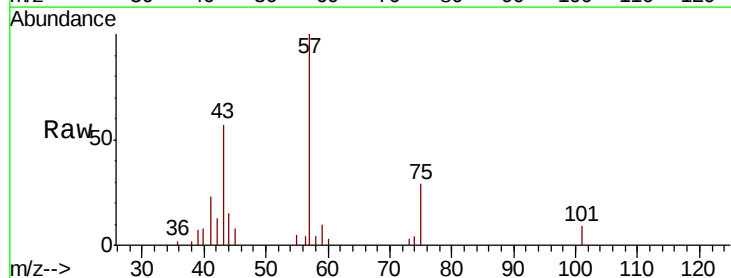
Tgt Ion: 75 Resp: 1303

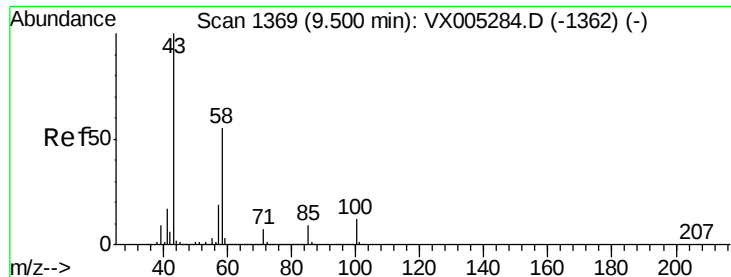
Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 25.2 36.4 54.6#

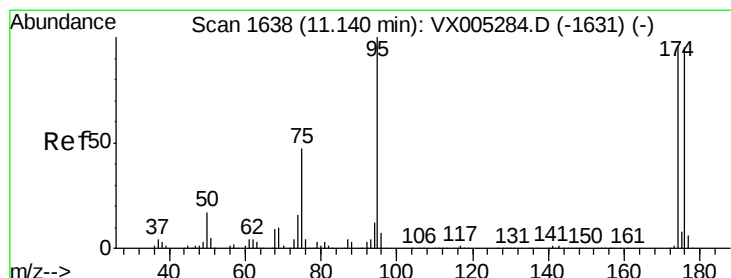
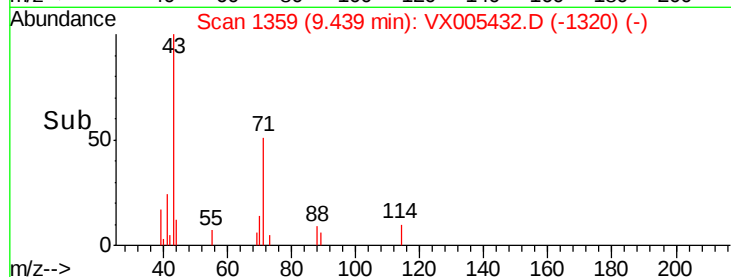
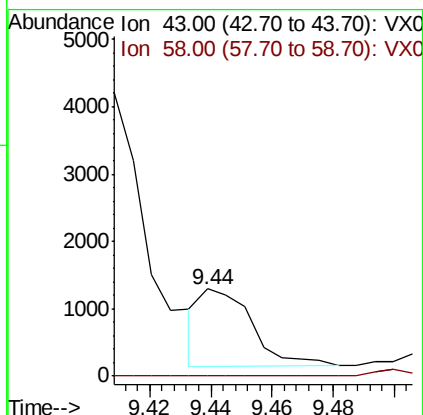
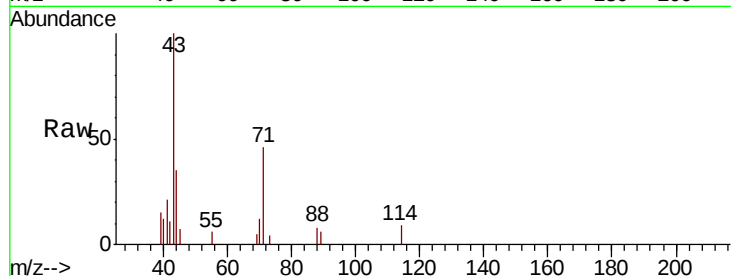




#59
2-Hexanone
Concen: 0.324 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.06 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

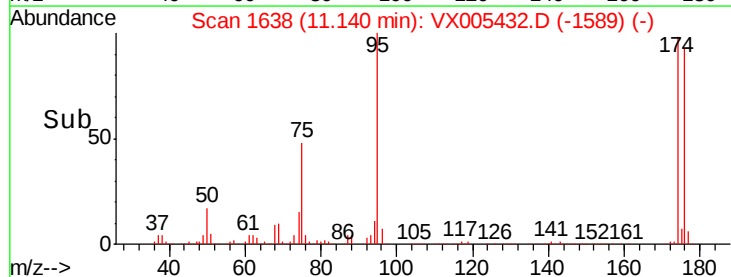
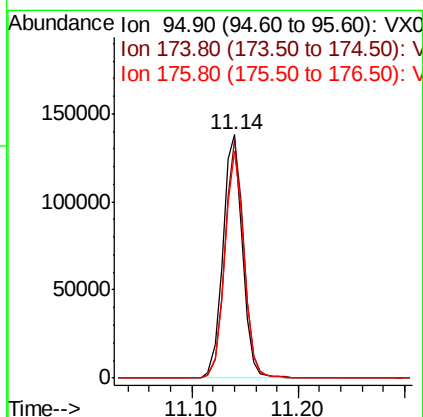
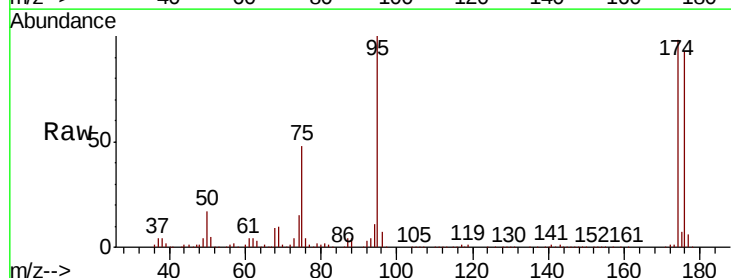
Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

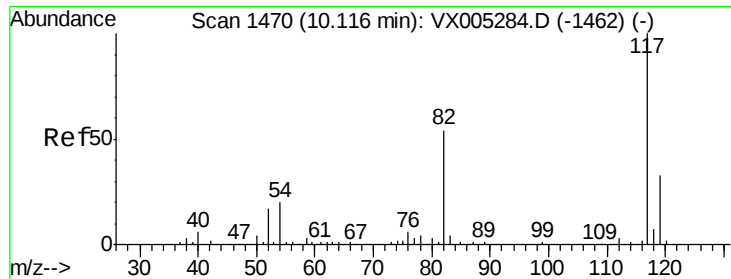
Tot Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 45.311 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion: 95 Resp: 177144
Ion Ratio Lower Upper
95 100
174 95.9 0.0 185.2
176 92.1 0.0 178.6

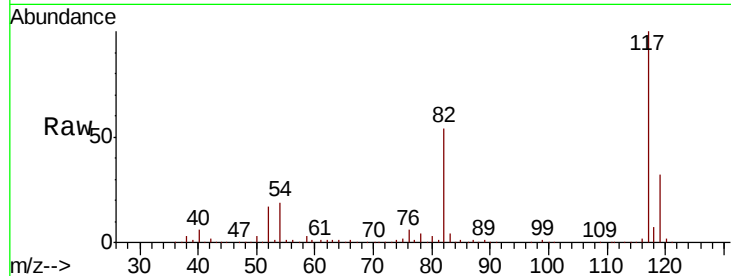




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005432.D
Acq: 18 Oct 2018 16:10

Instrument :
MSVOA_X
ClientSampleId :
PL-03-101718-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	47.8	71.6
119	32.3	29.3	43.9

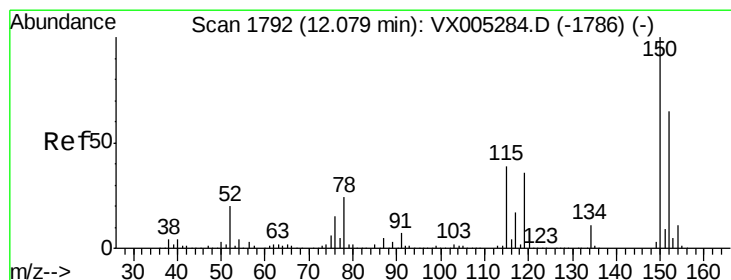
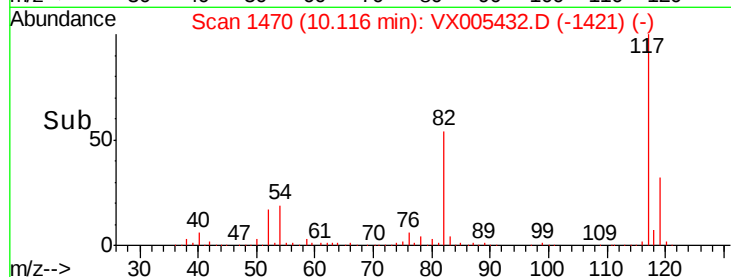
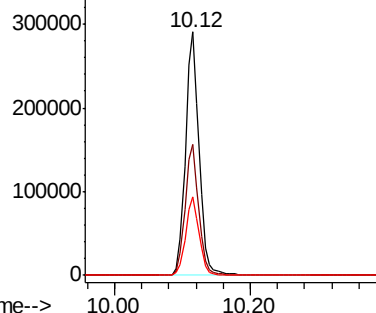


Abundance

Ion 116.90 (116.60 to 117.60): V

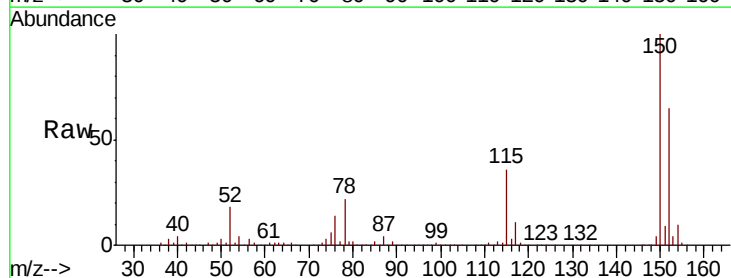
Ion 82.00 (81.70 to 82.70): VX

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: VX005432.D
Acq: 18 Oct 2018 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.0	117.0
150	156.2	0.0	351.0

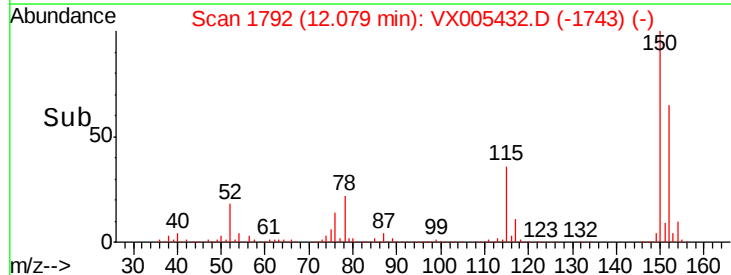
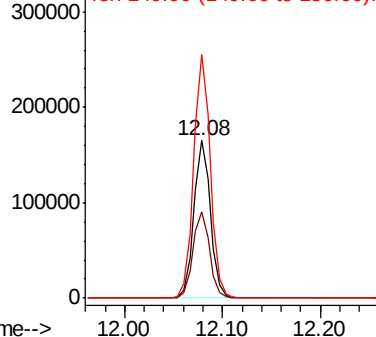


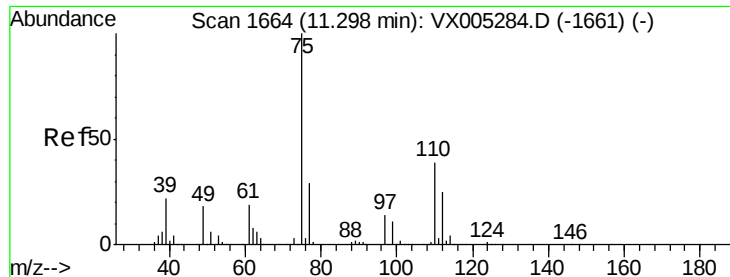
Abundance

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: 22.866 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

Instrument :

MSVOA_X

ClientSampleId :

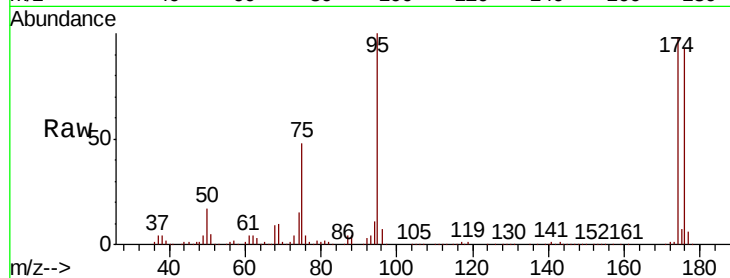
PL-03-101718-B

Tot Ion: 75 Resp: 85382

Ion Ratio Lower Upper

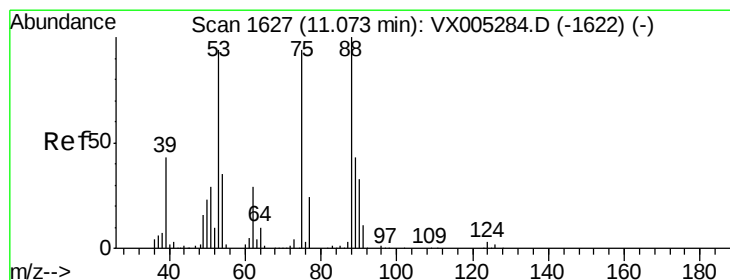
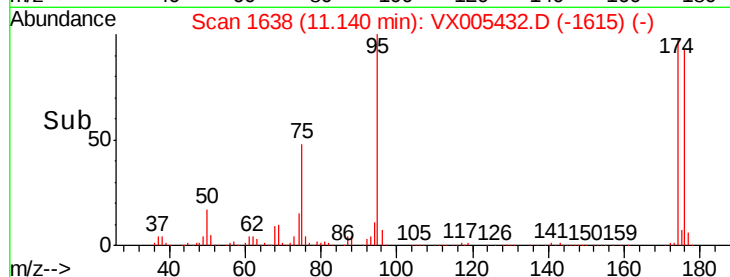
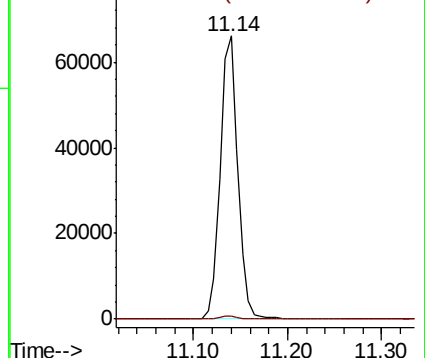
75 100

77 1.3 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: 69.478 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005432.D

Acq: 18 Oct 2018 16:10

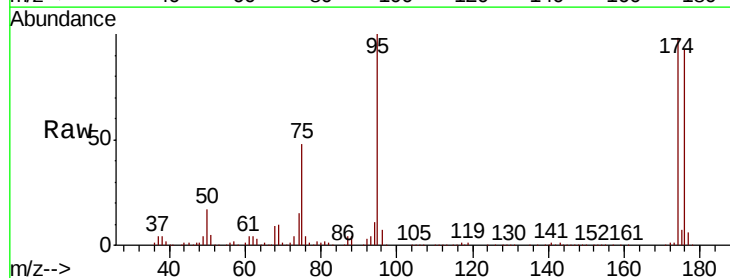
Tgt Ion: 75 Resp: 85382

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

