

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005477.D
 Acq On : 22 Oct 2018 18:20
 Operator : JC/MD
 Sample : PB114041ZHE#02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#02

Quant Time: Oct 23 01:28:36 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	5.66	168	252033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138492	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	153710	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	5.49	113	123371	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
50) Toluene-d8	8.72	98	396787	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	129037	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	

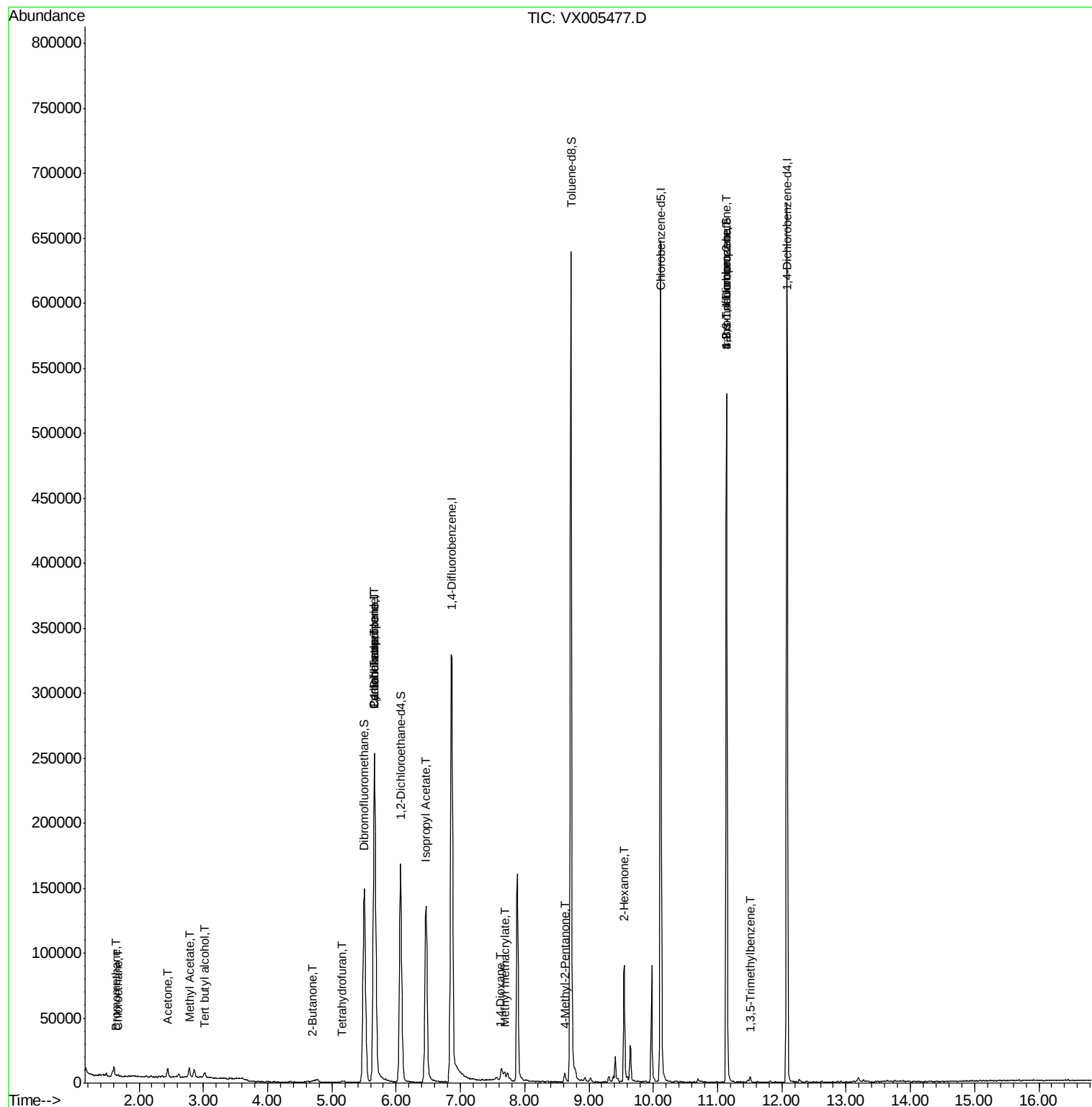
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	188	0.698	ug/l #	65
6) Chloroethane	1.67	64	176	0.428	ug/l #	44
11) Tert butyl alcohol	3.02	59	2524	3.199	ug/l #	75
13) Acrolein	2.26	56	42	Below Cal	#	1
16) Acetone	2.44	43	6883	4.256	ug/l	89
18) Methyl Acetate	2.78	43	9230	2.006	ug/l	98
20) Methylene Chloride	2.85	84	2705	Below Cal	#	88
25) 2-Butanone	4.70	43	2205	0.932	ug/l #	89
29) Tetrahydrofuran	5.17	42	1109	0.735	ug/l #	73
31) Cyclohexane	5.67	56	4445	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17425	5.213	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21750	6.476	ug/l #	16
43) Isopropyl Acetate	6.46	43	186946	32.647	ug/l	95
44) Trichloroethene	7.21	130	67	Below Cal		4
48) Methyl methacrylate	7.69	41	6311	2.125	ug/l #	23
49) 1,4-Dioxane	7.62	88	22	0.321	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2711	0.684	ug/l #	48
59) 2-Hexanone	9.55	43	9977	3.128	ug/l #	52
76) 1,2,3-Trichloropropane	11.14	75	65520	24.390	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	1895	0.269	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.14	75	65520	74.108	ug/l #	10

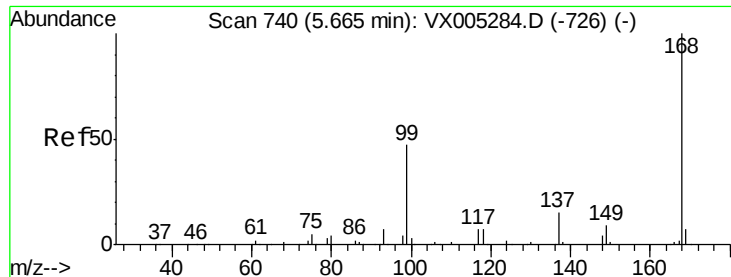
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
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Quant Time: Oct 23 01:28:36 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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

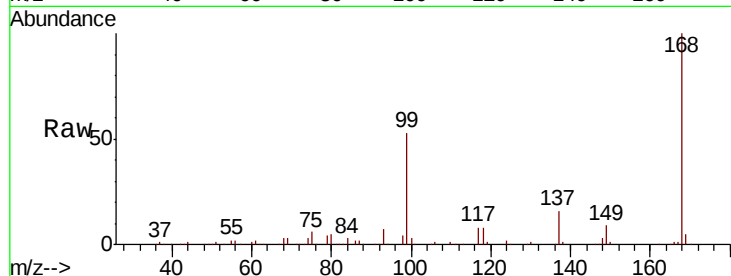
PB114041ZHE#02

Tot Ion:168 Resp: 252033

Ion Ratio Lower Upper

168 100

99 53.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

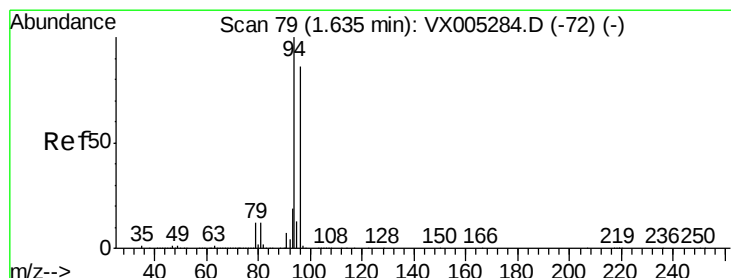
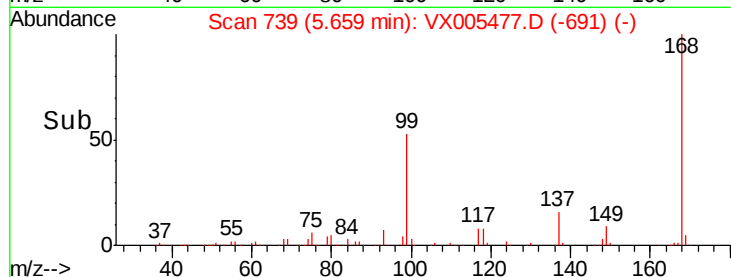
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.698 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005477.D

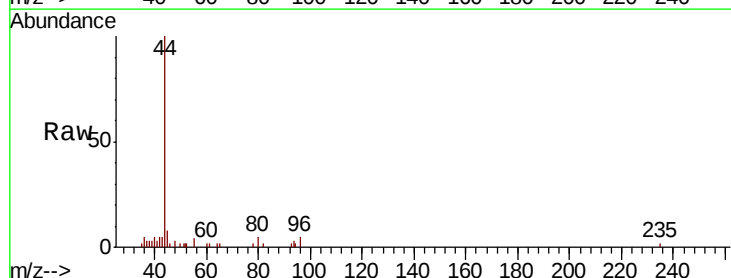
Acq: 22 Oct 2018 18:20

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

94 100

96 59.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

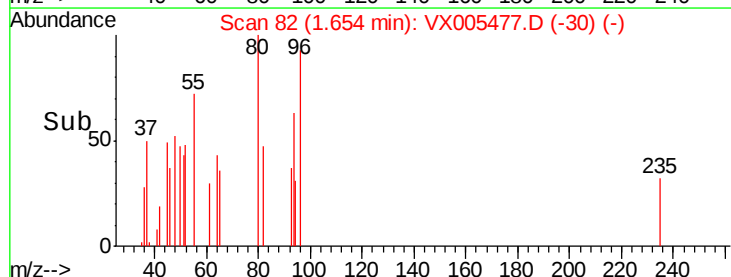
100

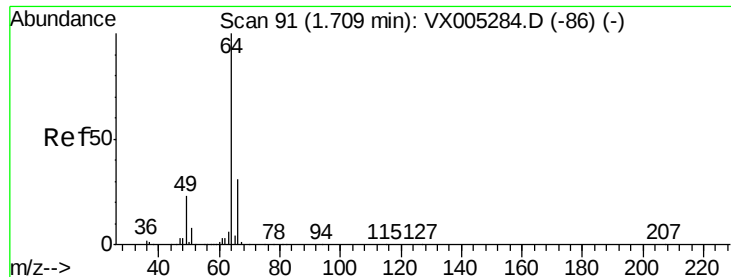
50

0

Time-->

1.62 1.64 1.66





#6

Chloroethane

Concen: 0.428 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.04 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

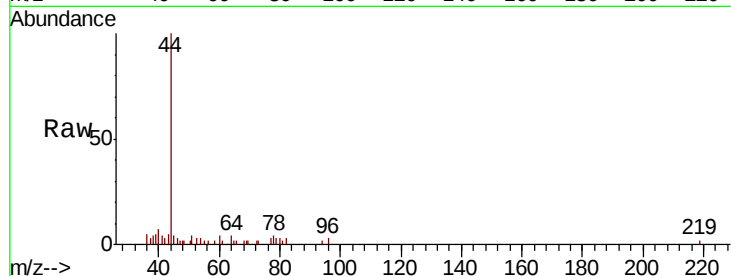
PB114041ZHE#02

Tot Ion: 64 Resp: 176

Ion Ratio Lower Upper

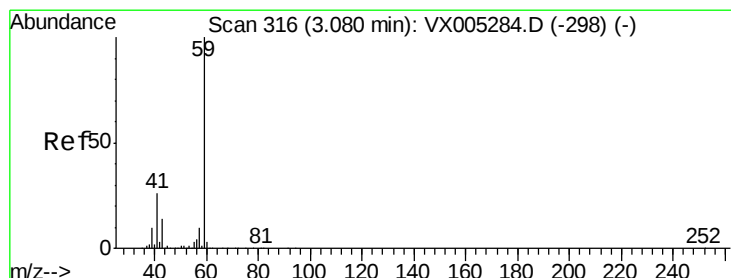
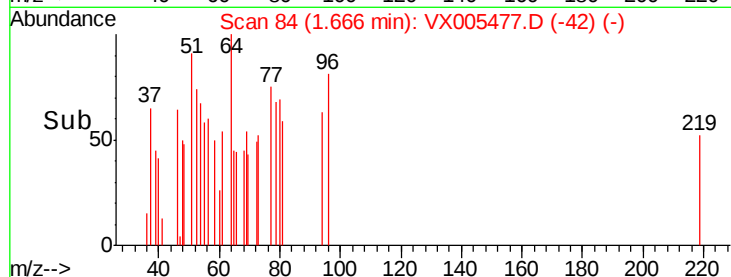
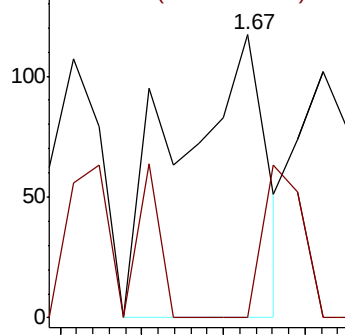
64 100

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



#11

Tert butyl alcohol

Concen: 3.199 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005477.D

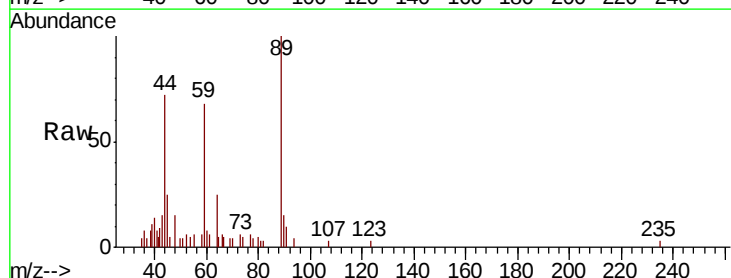
Acq: 22 Oct 2018 18:20

Tgt Ion: 59 Resp: 2524

Ion Ratio Lower Upper

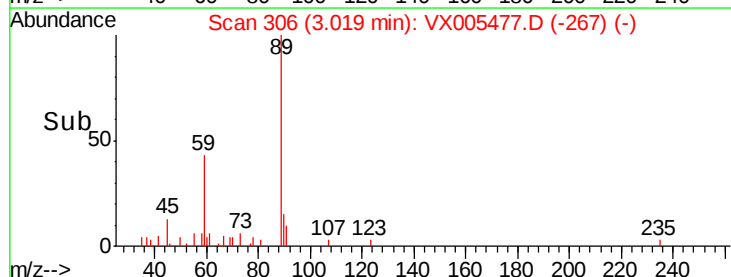
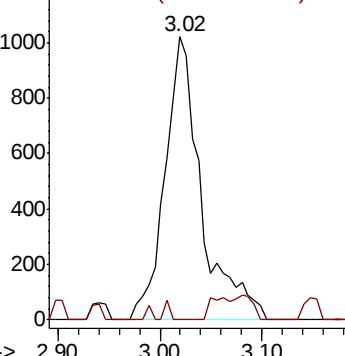
59 100

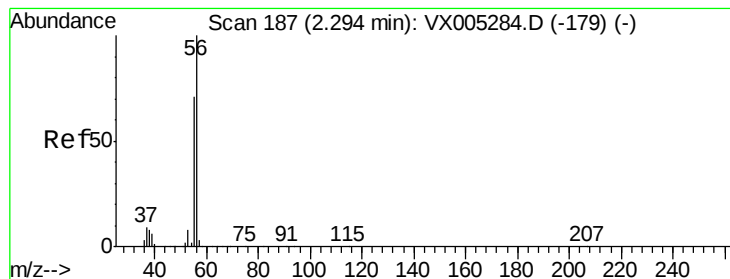
57 1.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.26 min Scan# 181

Delta R.T. -0.04 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

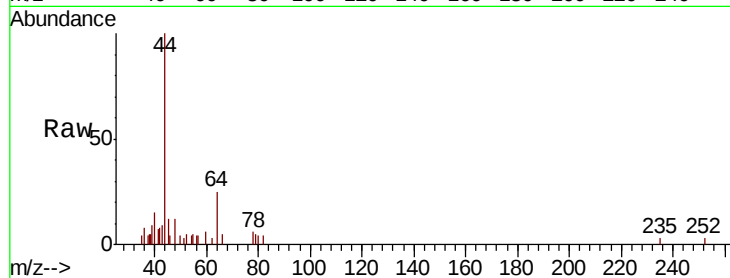
PB114041ZHE#02

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

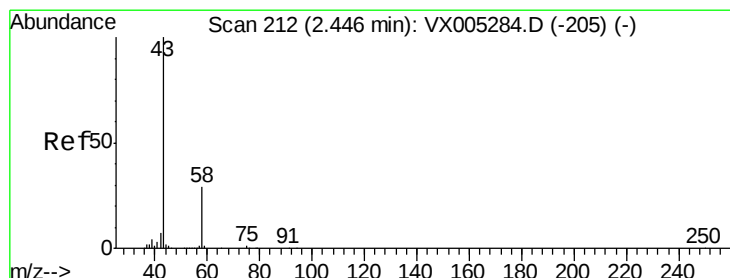
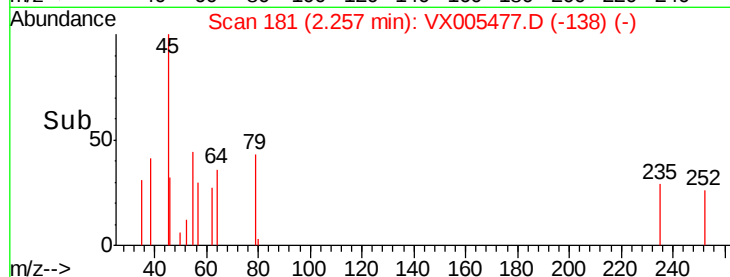
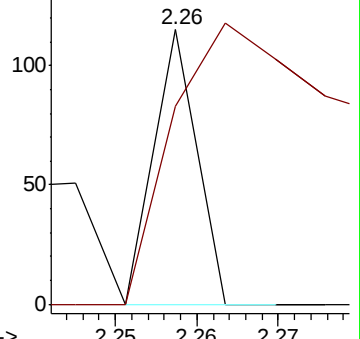
56 100

55 471.4 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.256 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005477.D

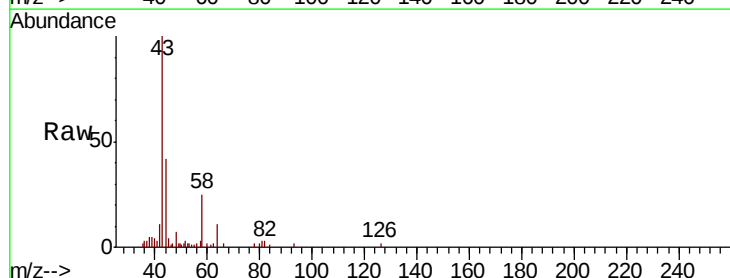
Acq: 22 Oct 2018 18:20

Tgt Ion: 43 Resp: 6883

Ion Ratio Lower Upper

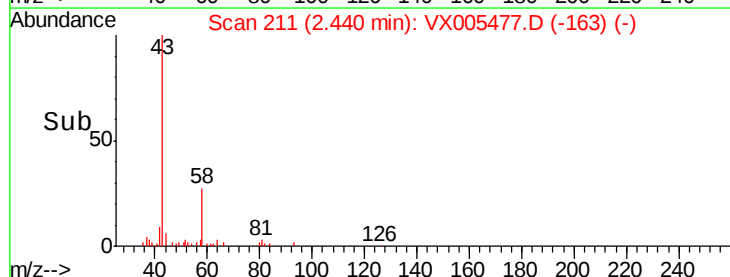
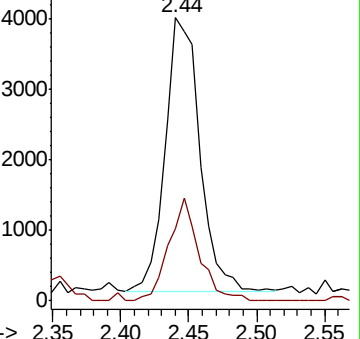
43 100

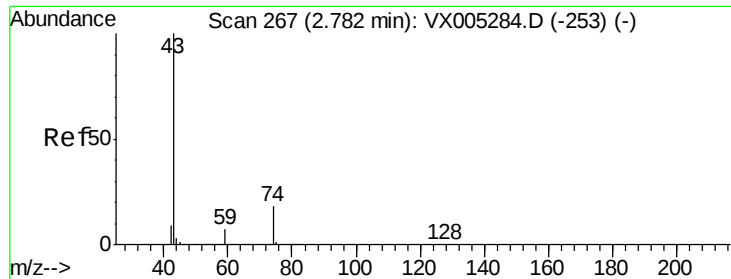
58 26.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

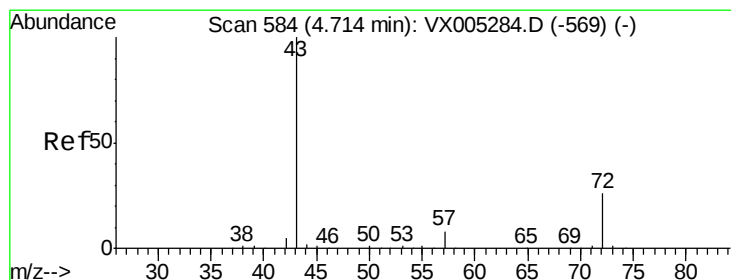
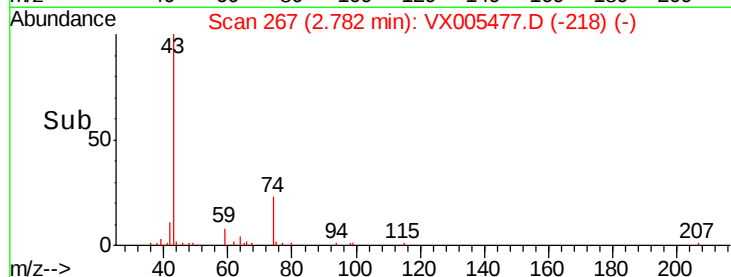
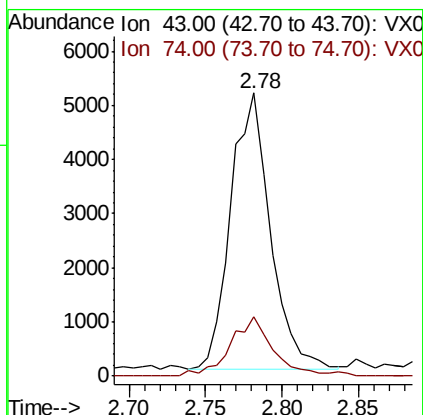
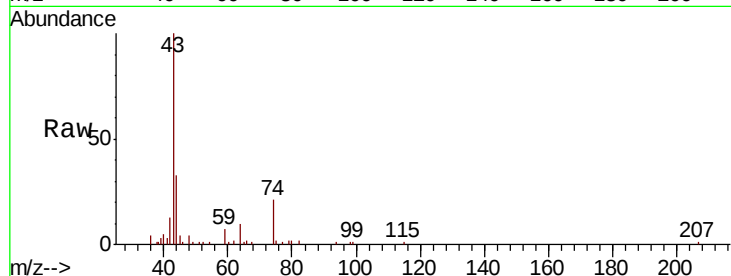




#18
Methyl Acetate
Concen: 2.006 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

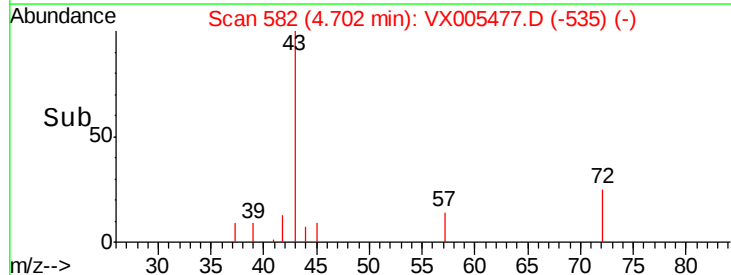
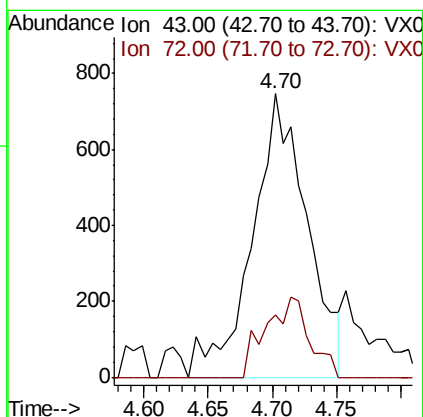
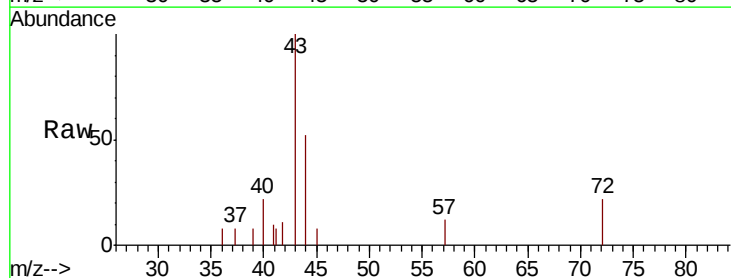
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#02

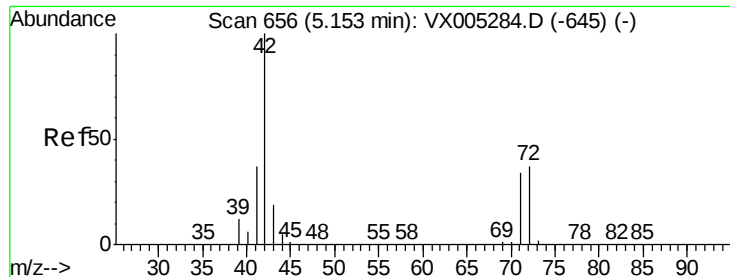
Tot Ion: 43 Resp: 9230
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2



#25
2-Butanone
Concen: 0.932 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
72 21.8 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.735 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#02

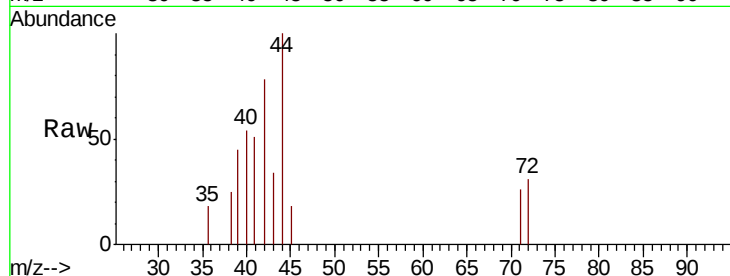
Tot Ion: 42 Resp: 1109

Ion Ratio Lower Upper

42 100

72 34.6 37.4 56.0#

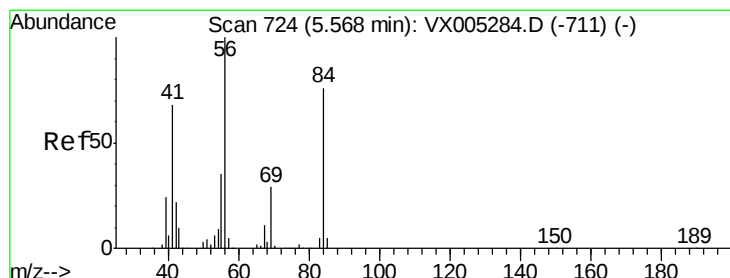
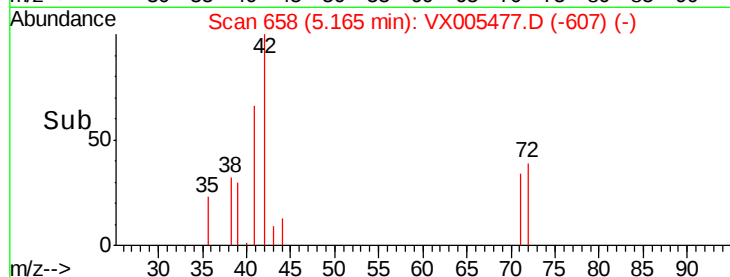
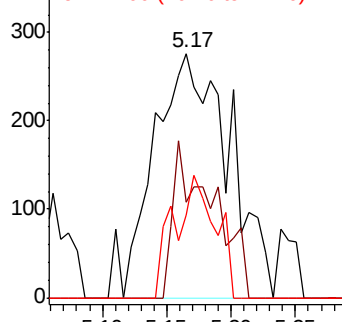
71 19.7 34.5 51.7#



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: 1.156 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

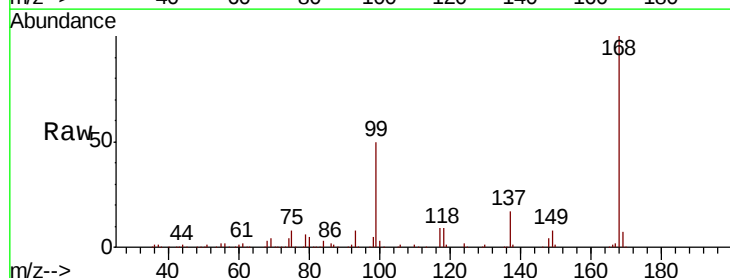
Tgt Ion: 56 Resp: 4445

Ion Ratio Lower Upper

56 100

69 204.9 25.4 38.2#

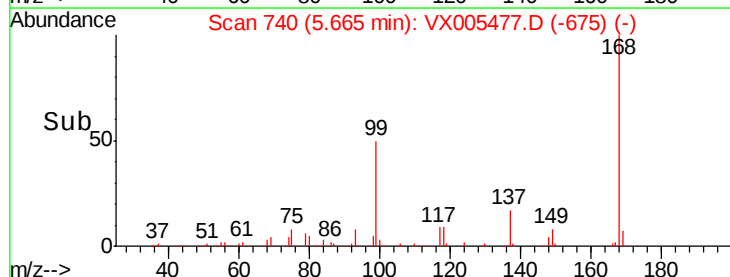
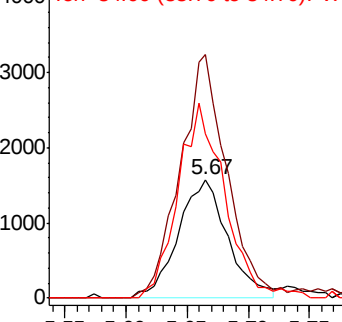
84 137.8 71.4 107.2#

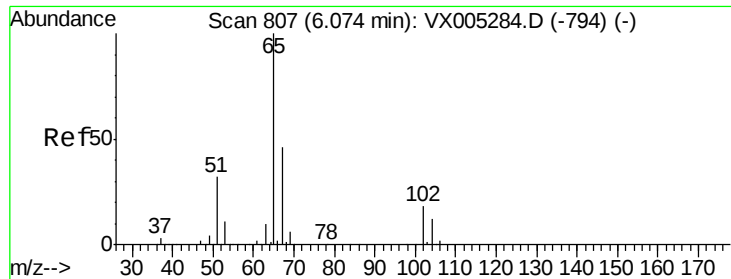


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

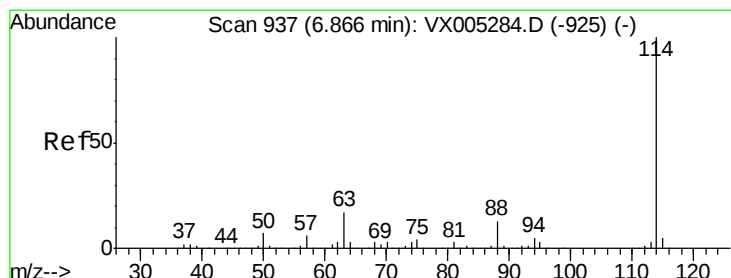
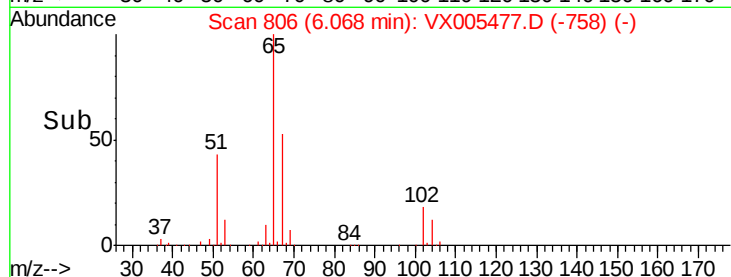
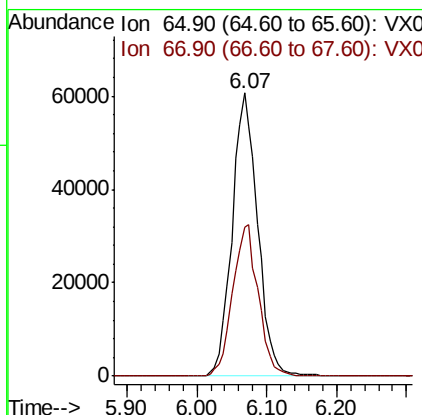
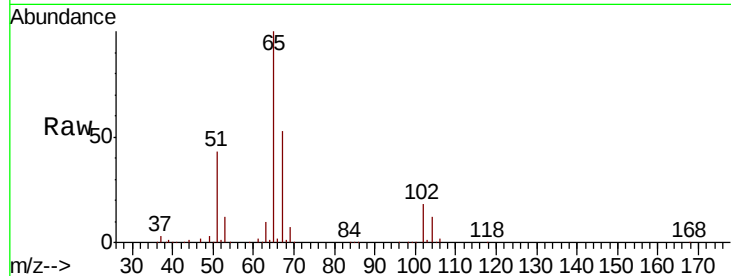




#33
 1,2-Dichloroethane-d4
 Concen: 54.952 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005477.D
 Acq: 22 Oct 2018 18:20

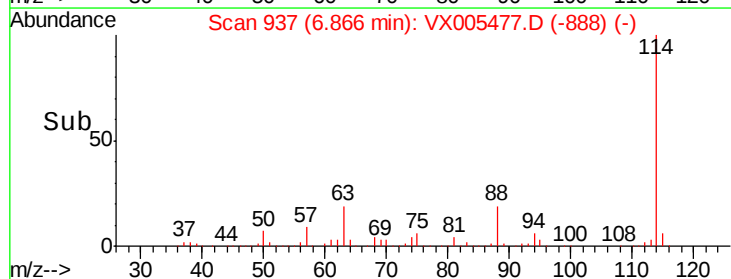
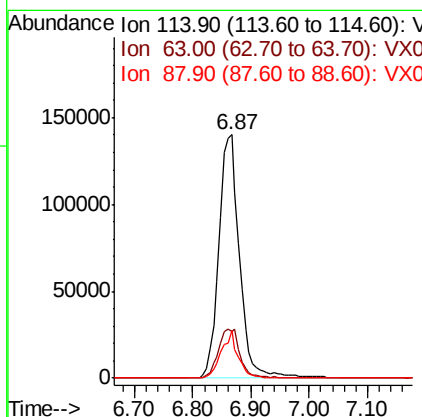
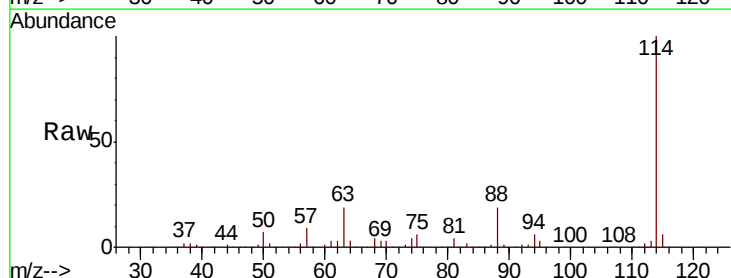
Instrument :
 MSVOA_X
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 PB114041ZHE#02

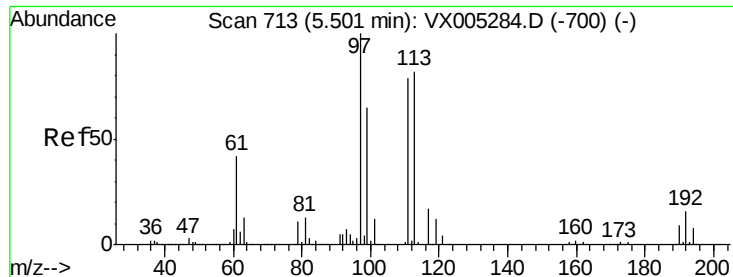
Tot Ion: 65 Resp: 153710
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VX005477.D
 Acq: 22 Oct 2018 18:20

Tgt Ion: 114 Resp: 345133
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 19.4 0.0 30.4

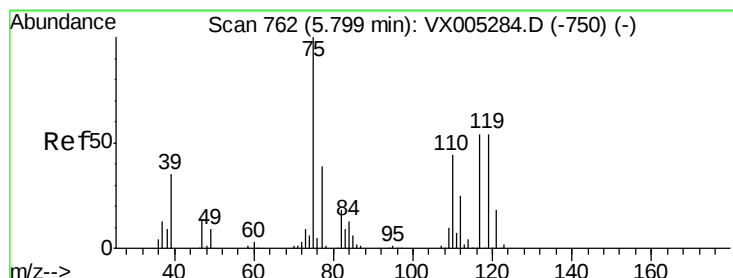
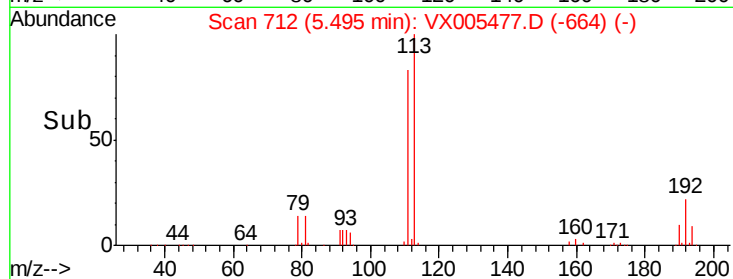
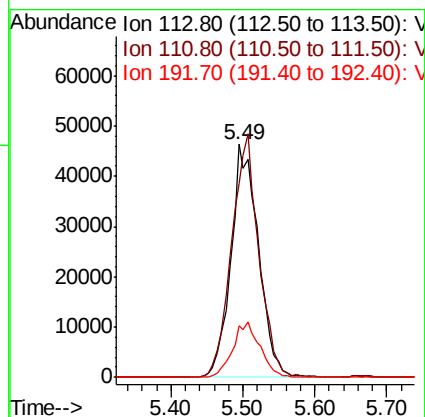
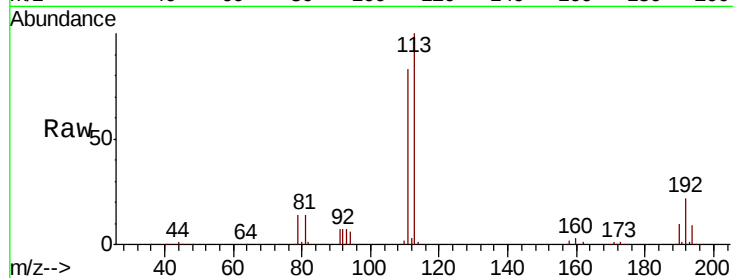




#35
Dibromofluoromethane
Concen: 53.970 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

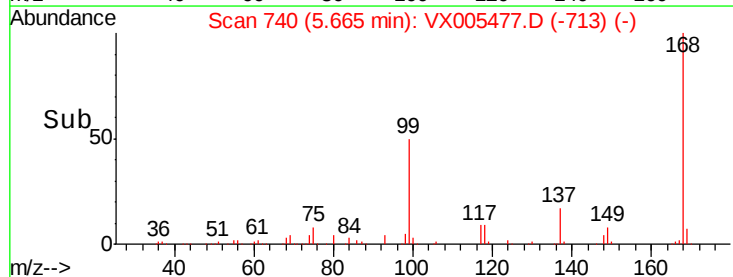
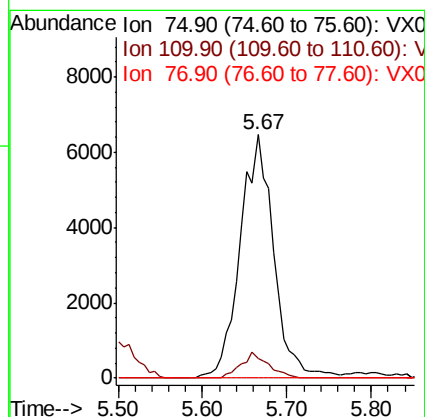
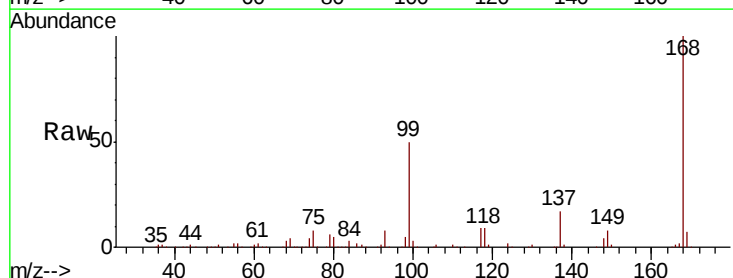
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#02

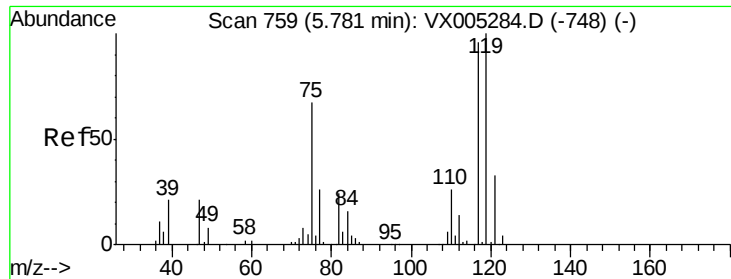
Tot Ion:113 Resp: 123371
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 23.5 19.4 29.2



#36
1,1-Dichloropropene
Concen: 5.213 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

Tgt Ion: 75 Resp: 17425
Ion Ratio Lower Upper
75 100
110 8.6 18.0 54.0#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.476 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#02

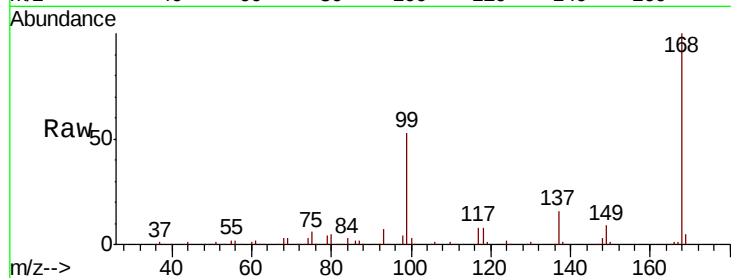
Tot Ion:117 Resp: 21750

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

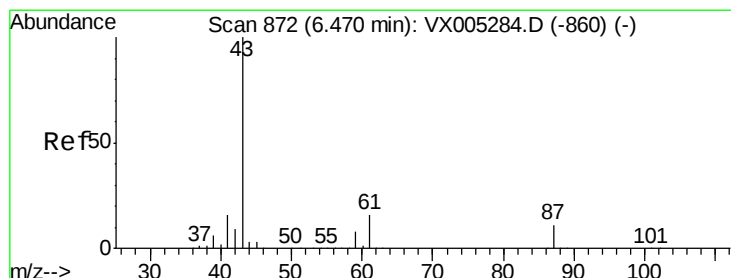
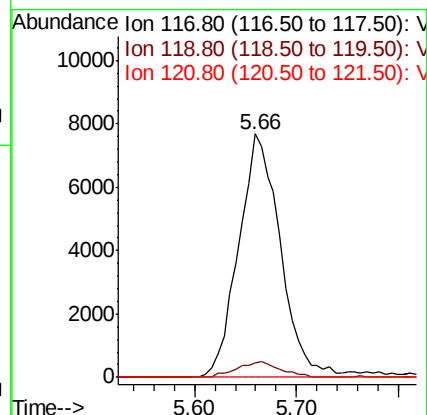
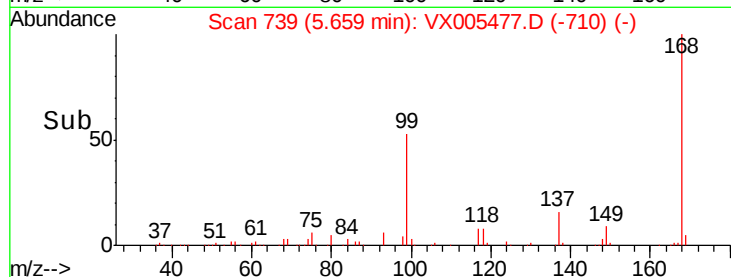
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 32.647 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

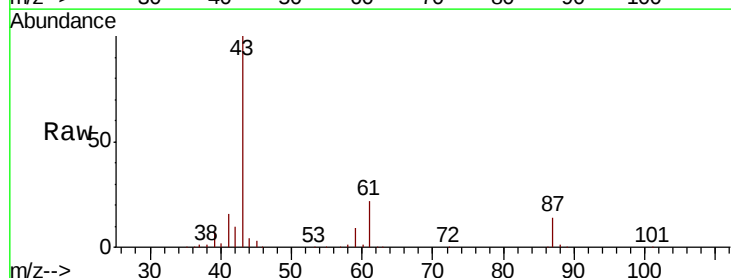
Tgt Ion: 43 Resp: 186946

Ion Ratio Lower Upper

43 100

61 19.1 17.0 25.4

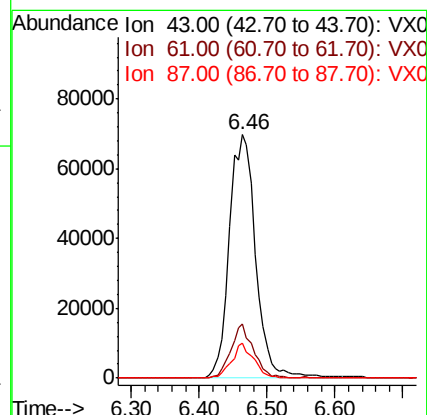
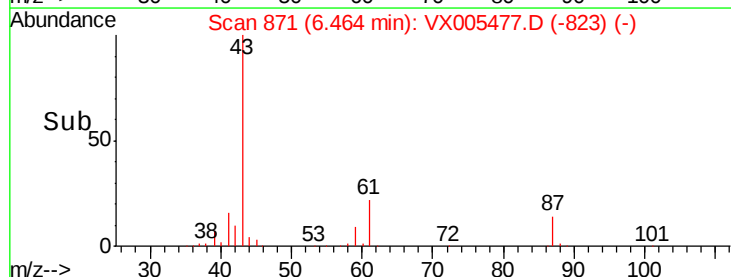
87 12.1 11.4 17.2

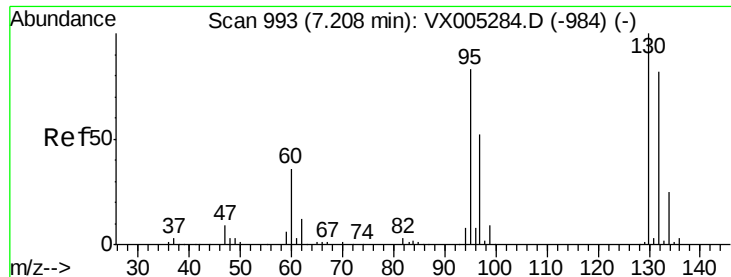


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

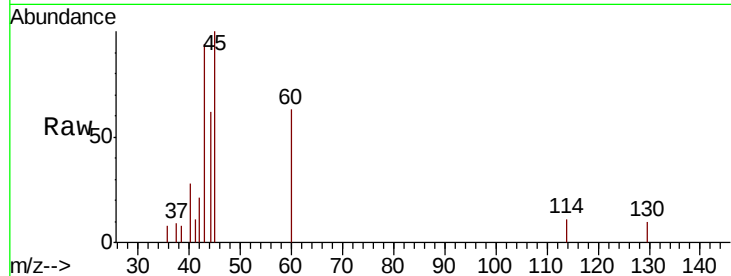
PB114041ZHE#02

Tot Ion:130 Resp: 67

Ion Ratio Lower Upper

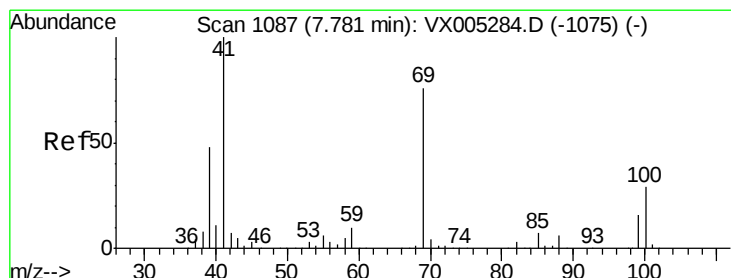
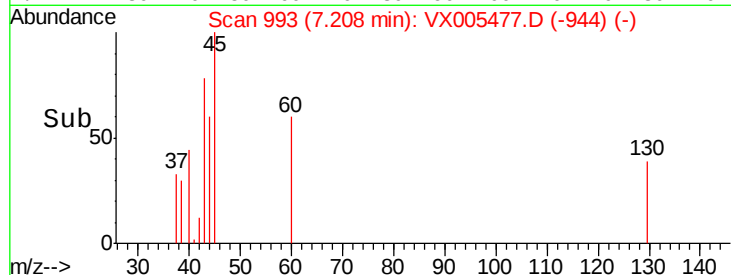
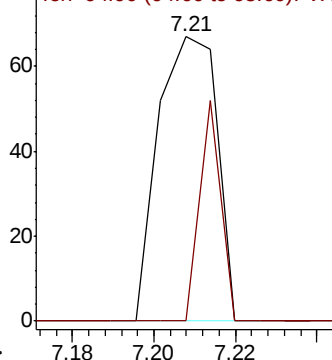
130 100

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

Methyl methacrylate

Concen: 2.125 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

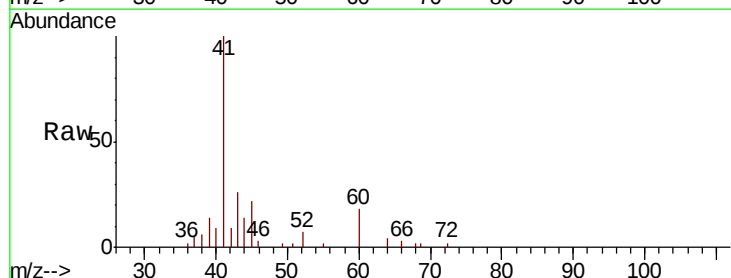
Tgt Ion: 41 Resp: 6311

Ion Ratio Lower Upper

41 100

69 0.3 70.2 105.4#

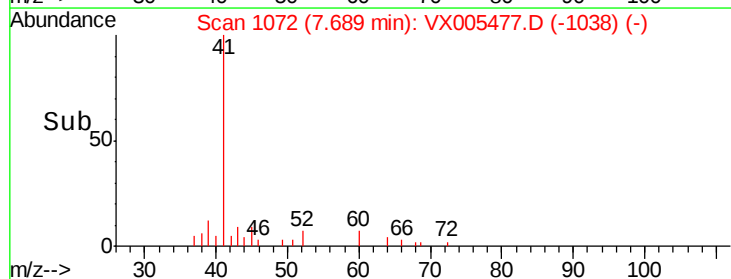
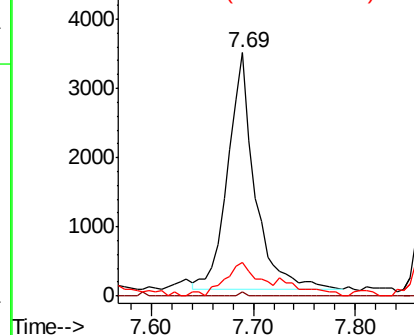
39 17.9 42.7 64.1#

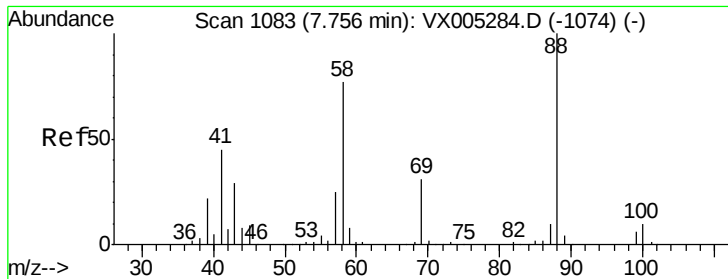


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.321 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.13 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#02

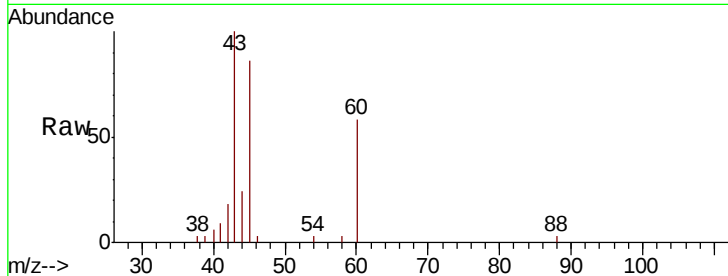
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 45631.8 24.7 37.1#

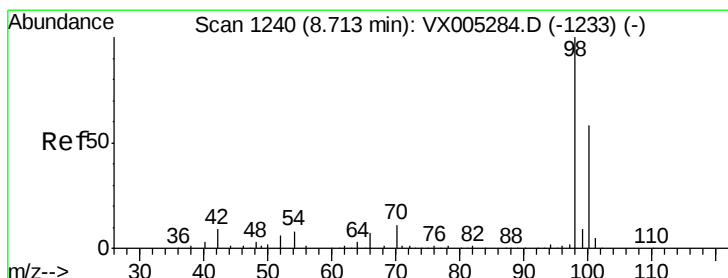
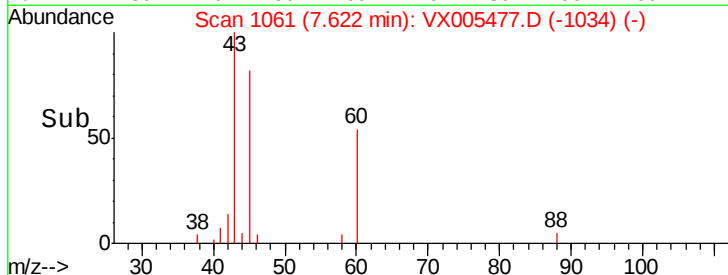
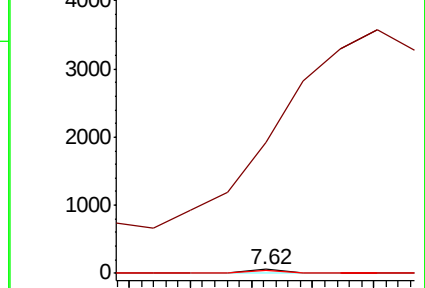
58 0.0 55.3 82.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.561 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005477.D

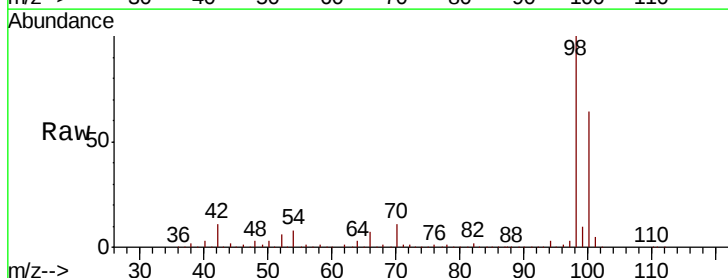
Acq: 22 Oct 2018 18:20

Tgt Ion: 98 Resp: 396787

Ion Ratio Lower Upper

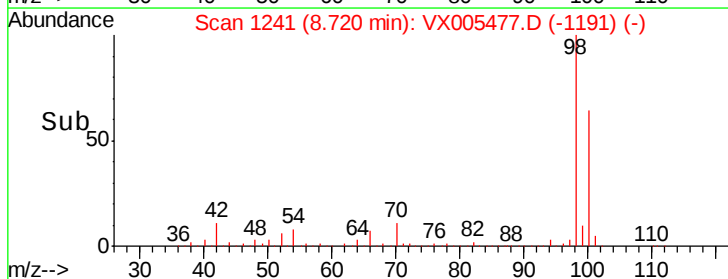
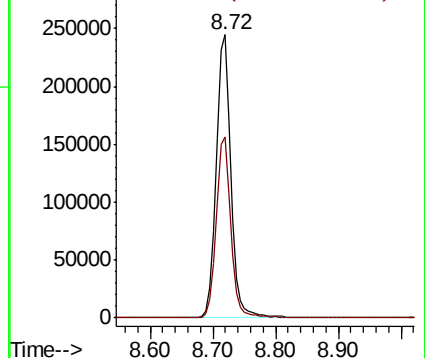
98 100

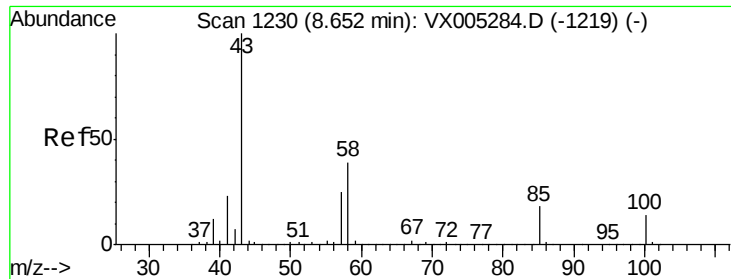
100 63.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.684 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.04 min

Lab File: VX005477.D

Acq: 22 Oct 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

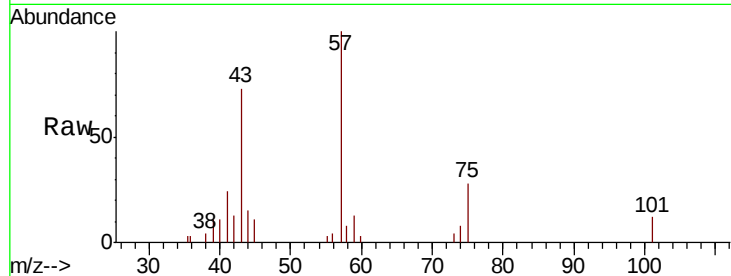
PB114041ZHE#02

Tot Ion: 43 Resp: 2711

Ion Ratio Lower Upper

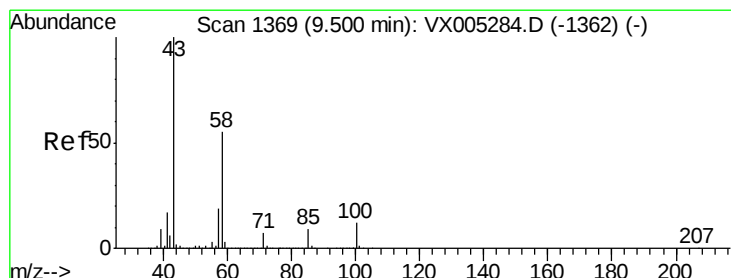
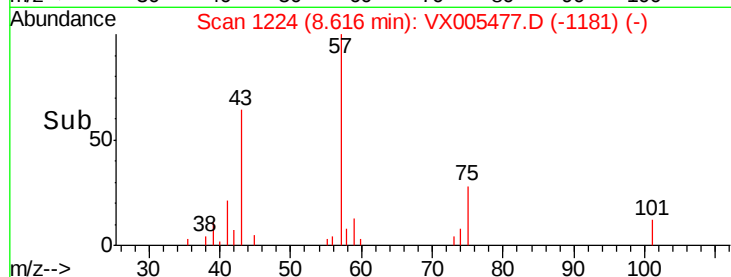
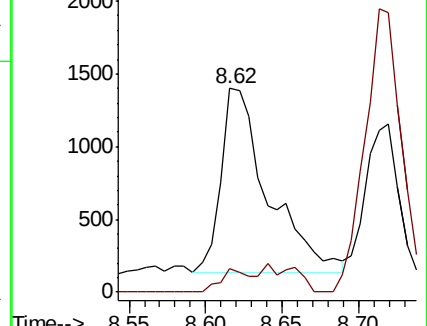
43 100

58 8.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#59

2-Hexanone

Concen: 3.128 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.05 min

Lab File: VX005477.D

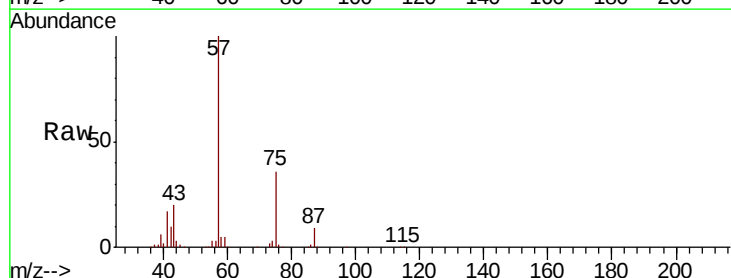
Acq: 22 Oct 2018 18:20

Tgt Ion: 43 Resp: 9977

Ion Ratio Lower Upper

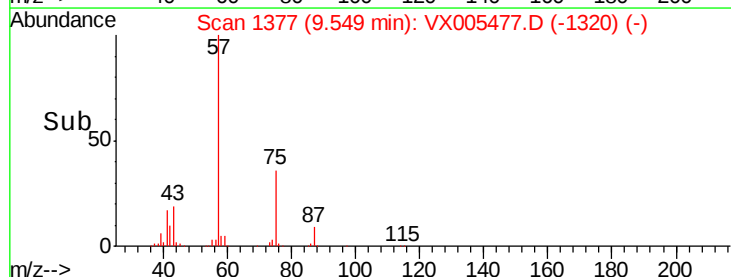
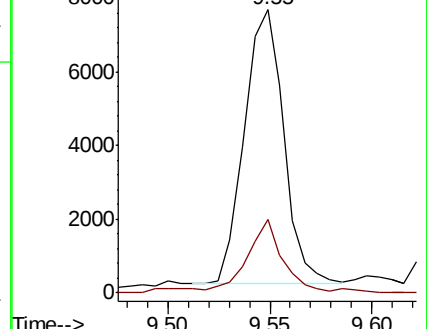
43 100

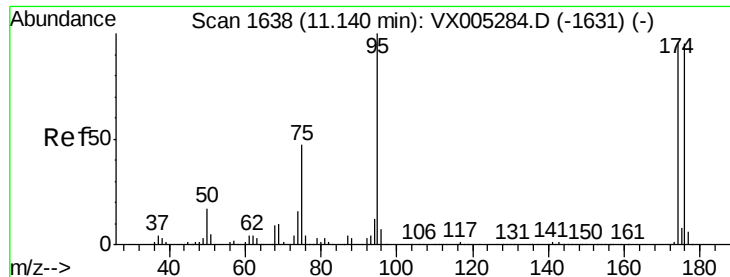
58 22.4 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

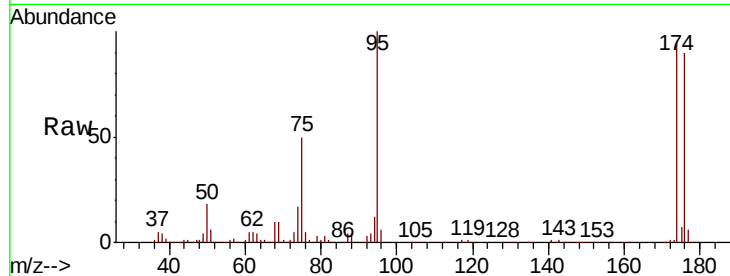




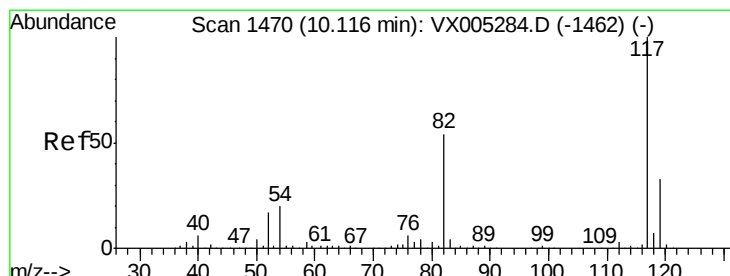
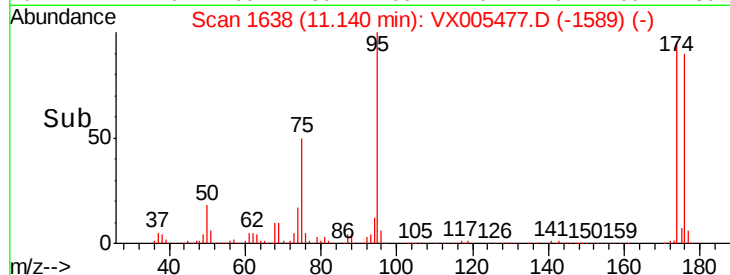
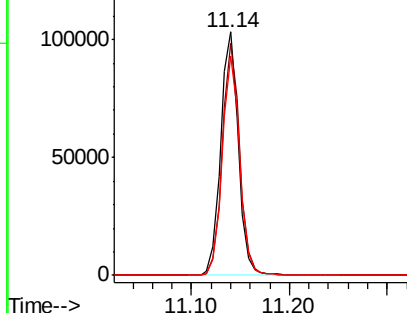
#62
4-Bromofluorobenzene
Concen: 43.770 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#02

Tot Ion: 95 Resp: 129037
Ion Ratio Lower Upper
95 100
174 94.3 0.0 185.2
176 89.3 0.0 178.6

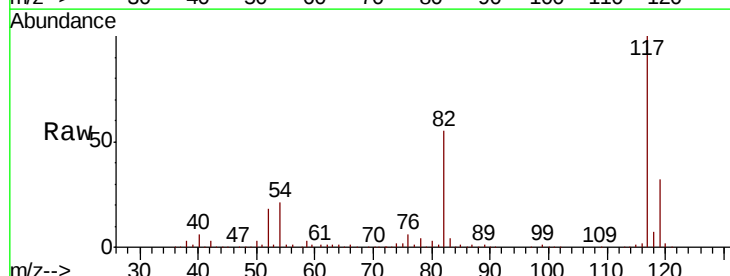


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

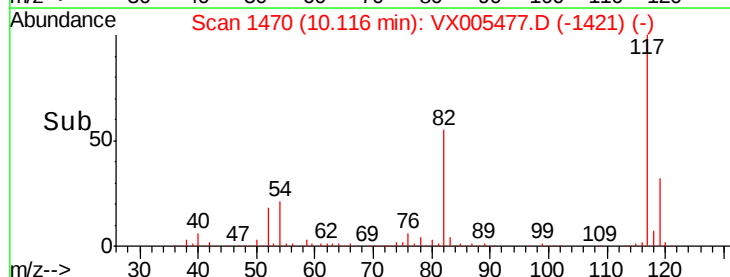
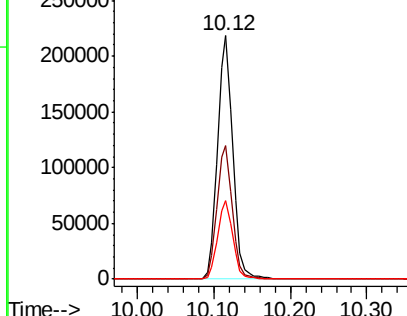


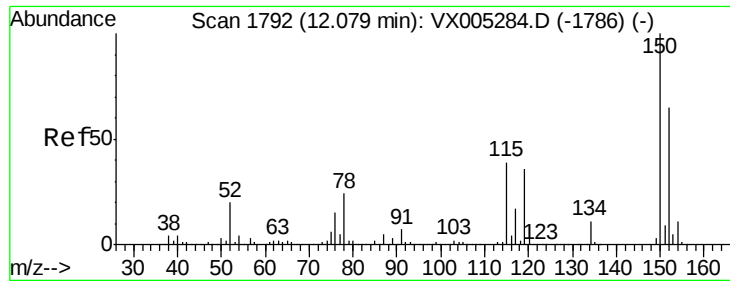
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

Tgt Ion: 117 Resp: 301244
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 32.4 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



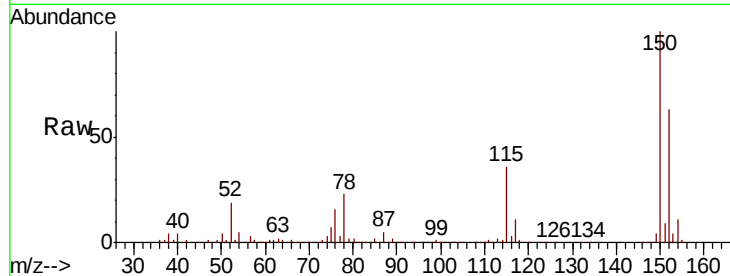


#72

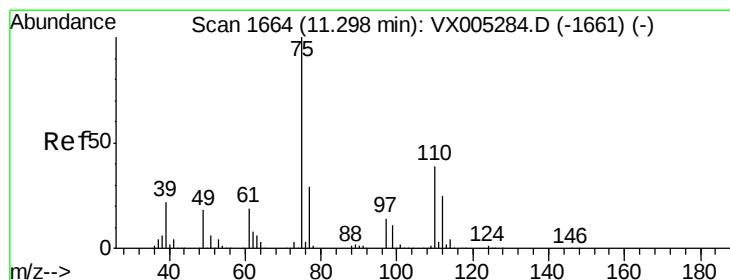
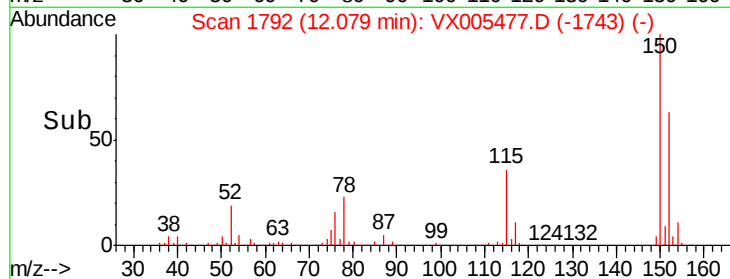
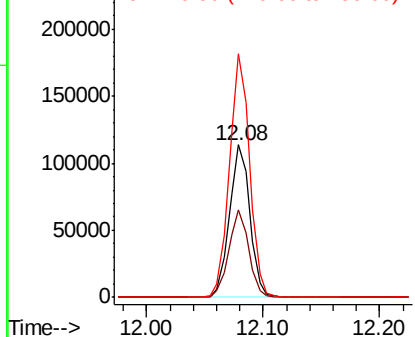
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#02

Tot Ion:152 Resp: 138492
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 158.0 0.0 351.0



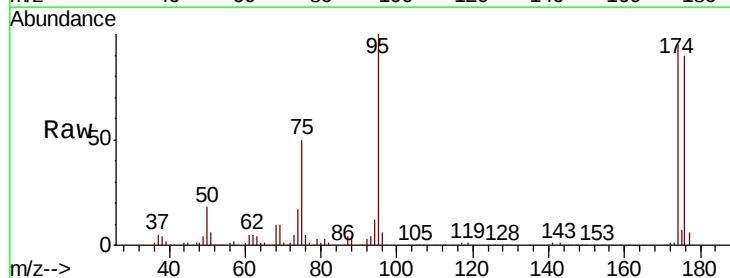
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



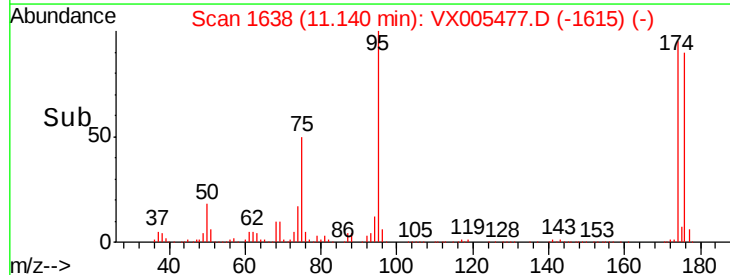
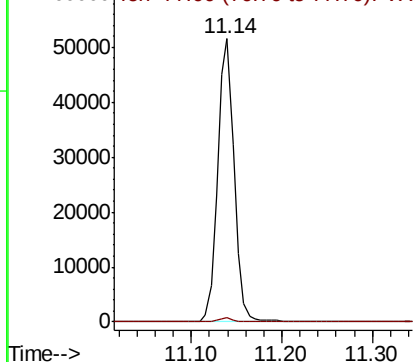
#76

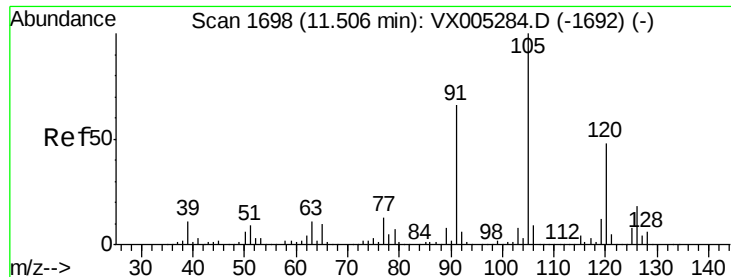
1,2,3-Trichloropropane
Concen: 24.390 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005477.D
Acq: 22 Oct 2018 18:20

Tgt Ion: 75 Resp: 65520
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

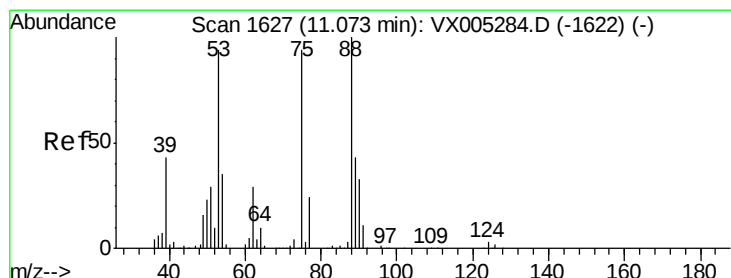
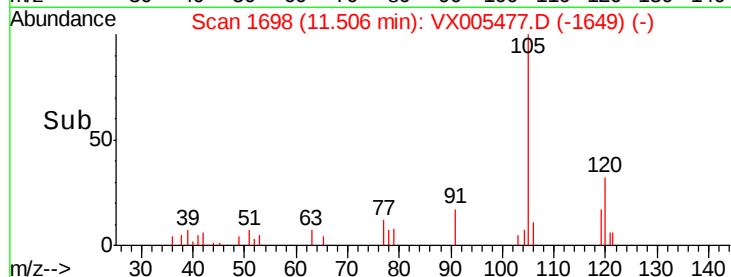
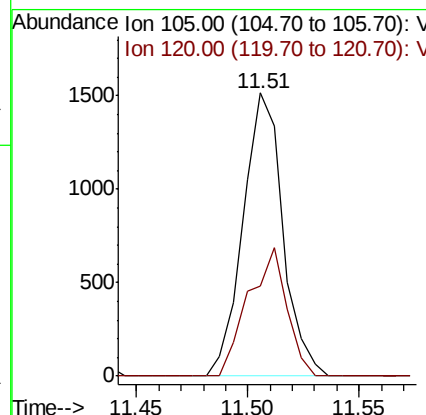
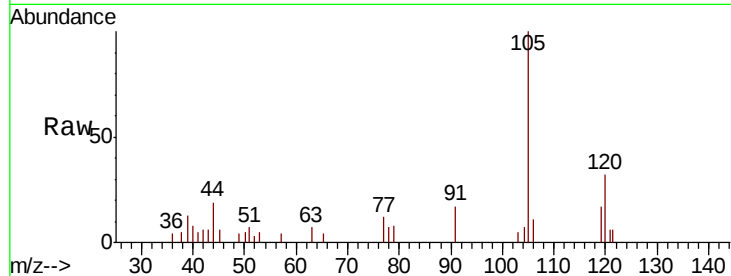




#80
 1,3,5-Trimethylbenzene
 Concen: 0.269 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005477.D
 Acq: 22 Oct 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#02

Tot Ion:105 Resp: 1895
 Ion Ratio Lower Upper
 105 100
 120 43.7 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.108 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005477.D
 Acq: 22 Oct 2018 18:20

Tgt Ion: 75 Resp: 65520
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#

