

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005350.D
 Acq On : 15 Oct 2018 18:08
 Operator : JC/MD
 Sample : PB113825ZHE#06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113825ZHE#06

Quant Time: Oct 16 03:38:17 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	254921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384049	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169750	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	154555	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	5.50	113	123864	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.71	98	463913	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	11.14	95	151783	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

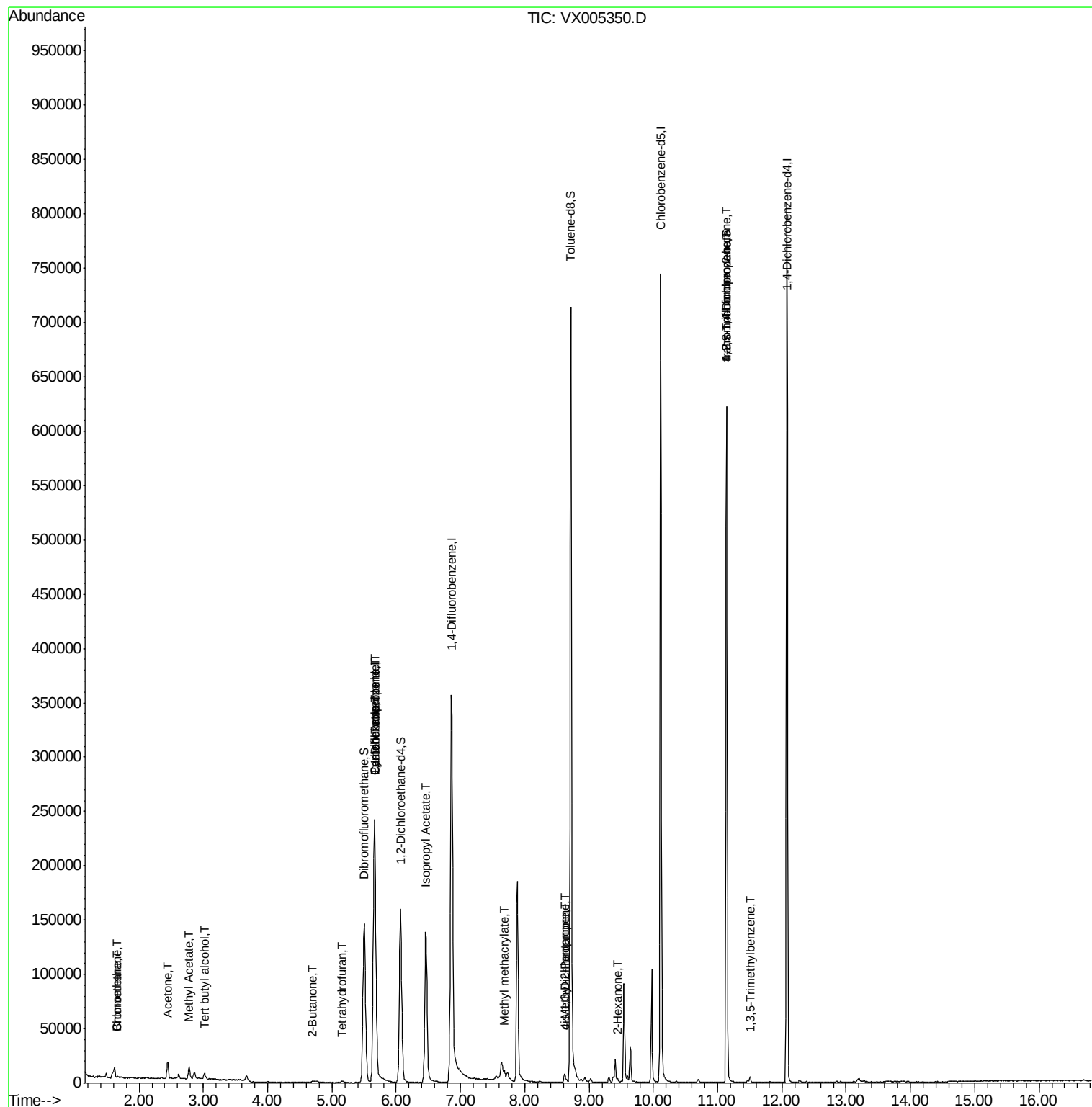
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	129	0.661	ug/l	97
6) Chloroethane	1.66	64	95	0.384	ug/l #	44
11) Tert butyl alcohol	3.02	59	3600	4.511	ug/l #	74
13) Acrolein	2.28	56	28	Below Cal	#	1
16) Acetone	2.45	43	16347	9.993	ug/l	100
18) Methyl Acetate	2.78	43	14115	3.033	ug/l	93
20) Methylene Chloride	2.86	84	2886	Below Cal		93
25) 2-Butanone	4.70	43	2960	1.237	ug/l	95
29) Tetrahydrofuran	5.17	42	1181	0.774	ug/l #	70
31) Cyclohexane	5.67	56	4479	1.152	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16547	4.449	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22511	6.023	ug/l #	15
43) Isopropyl Acetate	6.46	43	183044	28.727	ug/l	96
44) Trichloroethene	7.21	130	89	Below Cal		95
48) Methyl methacrylate	7.68	41	8099	2.451	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	3377	0.765	ug/l #	44
54) cis-1,3-Dichloropropene	8.62	75	1102	0.281	ug/l #	74
59) 2-Hexanone	9.44	43	1335	0.376	ug/l #	22
76) 1,2,3-Trichloropropane	11.14	75	75089	22.805	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	2041	0.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	75089	69.292	ug/l #	10

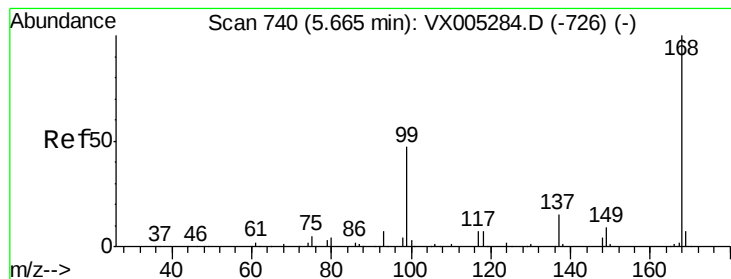
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101518\
Data File : VX005350.D
Acq On : 15 Oct 2018 18:08
Operator : JC/MD
Sample : PB113825ZHE#06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB113825ZHE#06

Quant Time: Oct 16 03:38:17 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# 740

Delta R.T. -0.00 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

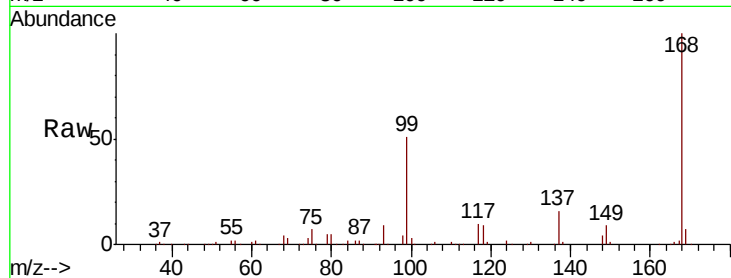
PB113825ZHE#06

Tot Ion:168 Resp: 254921

Ion Ratio Lower Upper

168 100

99 50.6 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

80000

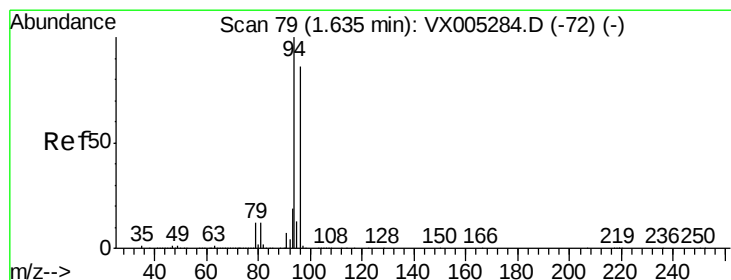
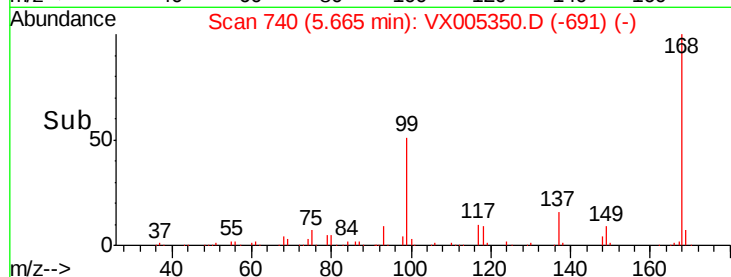
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.661 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX005350.D

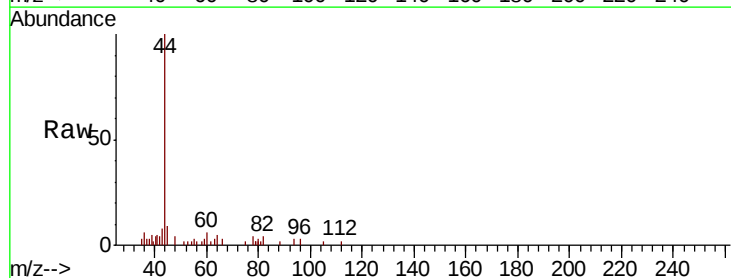
Acq: 15 Oct 2018 18:08

Tgt Ion: 94 Resp: 129

Ion Ratio Lower Upper

94 100

96 89.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

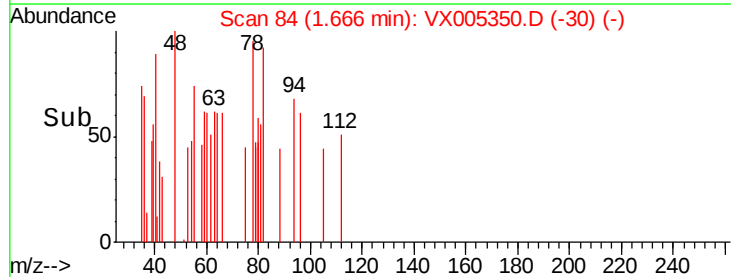
150

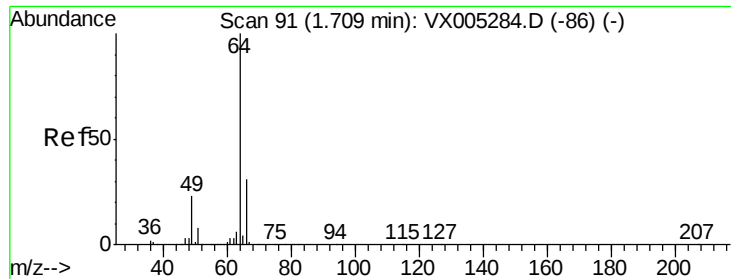
100

50

0

Time--> 1.64 1.66 1.68 1.70





#6

Chloroethane

Concen: 0.384 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

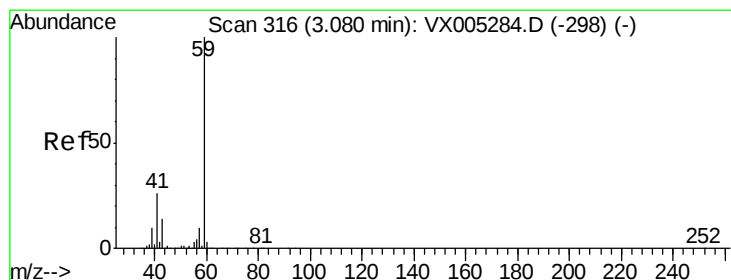
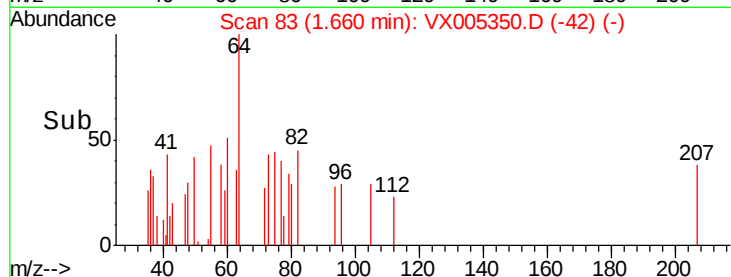
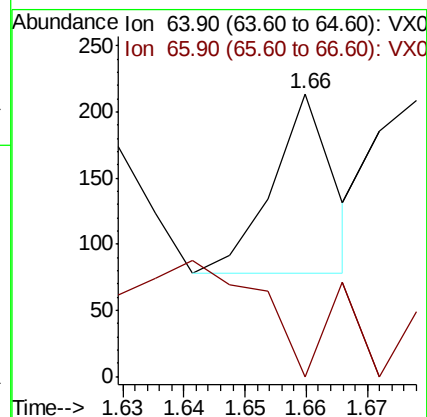
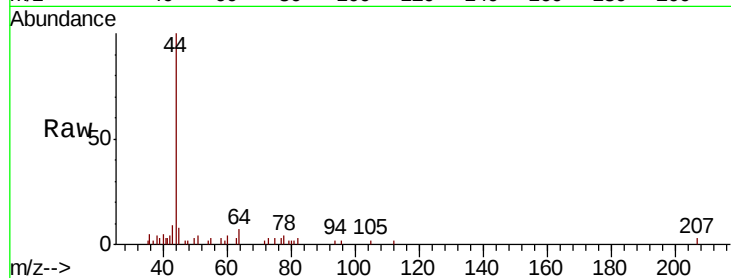
PB113825ZHE#06

Tot Ion: 64 Resp: 95

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#11

Tert butyl alcohol

Concen: 4.511 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005350.D

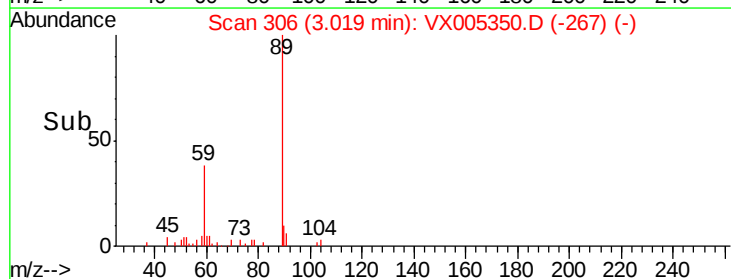
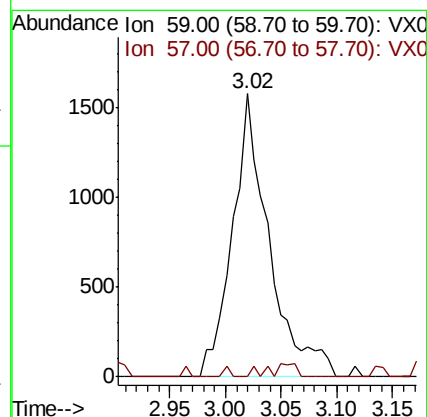
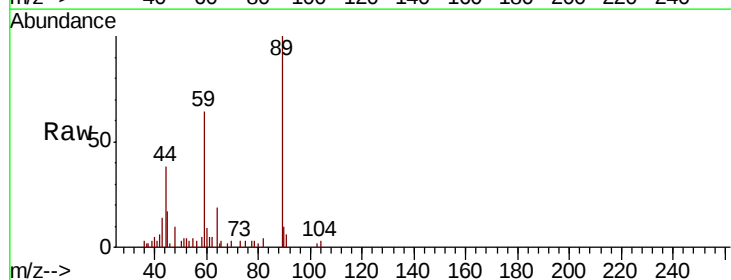
Acq: 15 Oct 2018 18:08

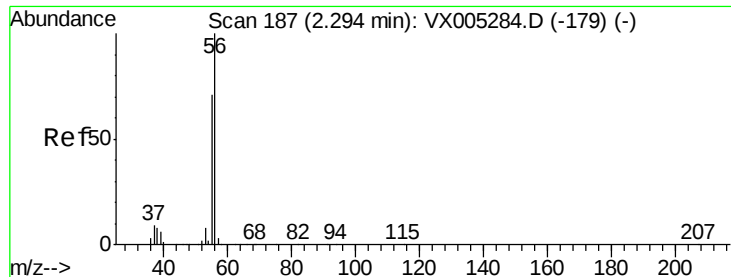
Tgt Ion: 59 Resp: 3600

Ion Ratio Lower Upper

59 100

57 0.6 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

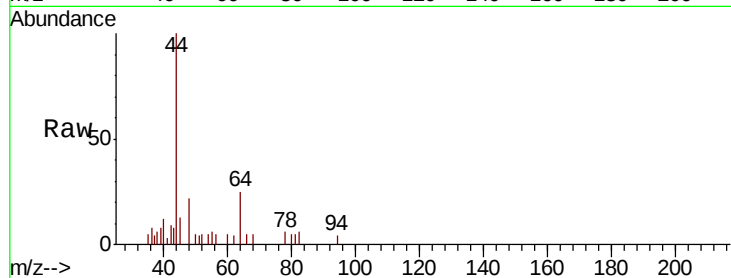
PB113825ZHE#06

Tot Ion: 56 Resp: 28

Ion Ratio Lower Upper

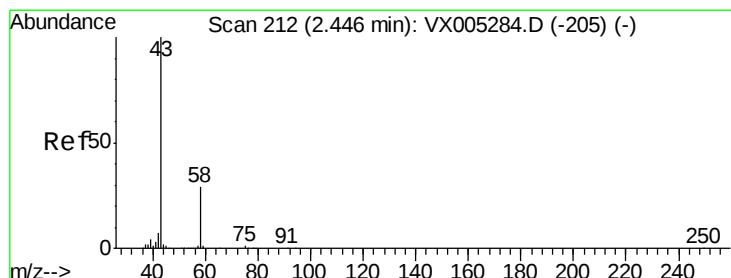
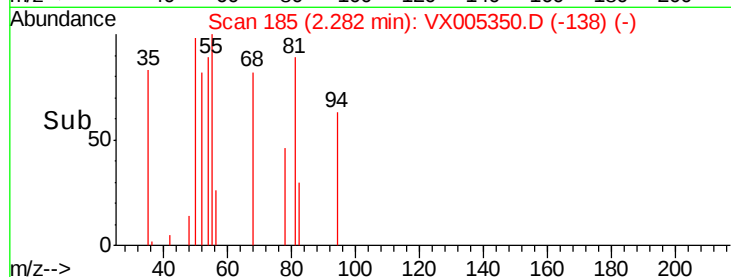
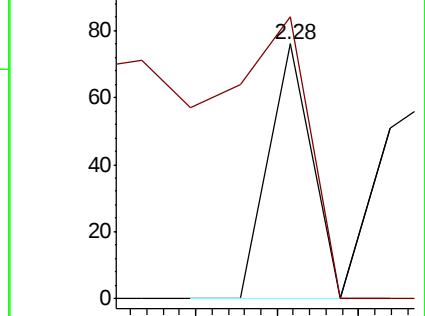
56 100

55 635.7 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: 9.993 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005350.D

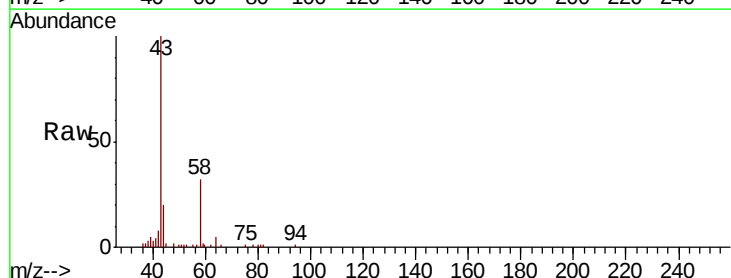
Acq: 15 Oct 2018 18:08

Tgt Ion: 43 Resp: 16347

Ion Ratio Lower Upper

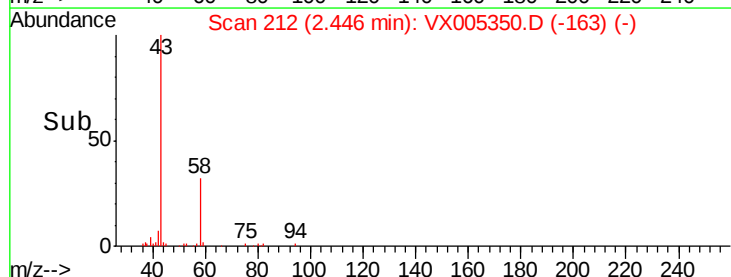
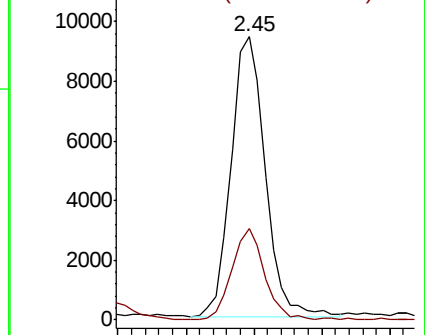
43 100

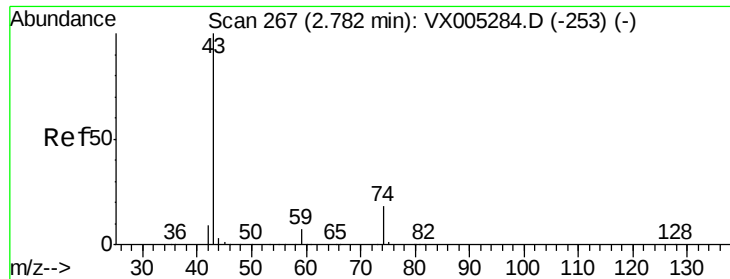
58 32.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 3.033 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

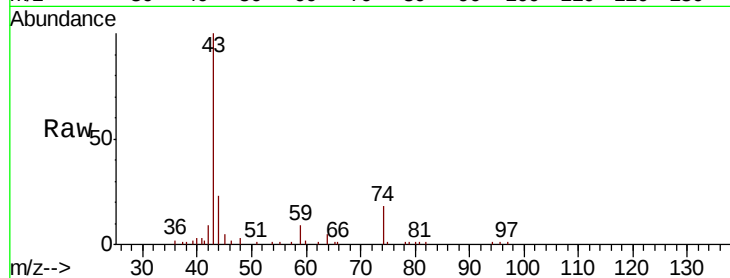
PB113825ZHE#06

Tot Ion: 43 Resp: 14115

Ion Ratio Lower Upper

43 100

74 20.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

8000

6000

4000

2000

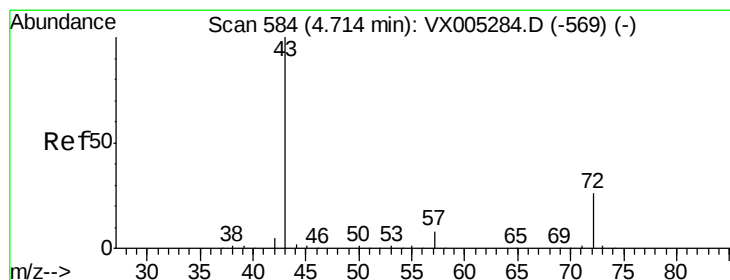
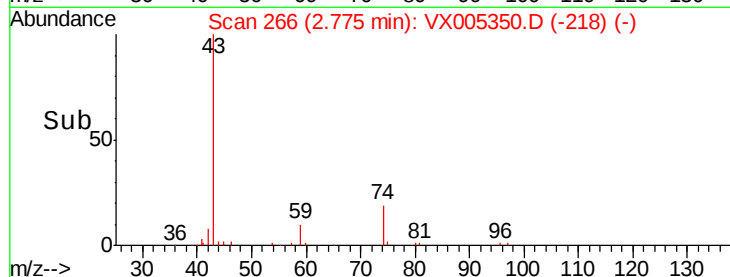
0

2.70

2.80

2.90

Time-->



#25

2-Butanone

Concen: 1.237 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005350.D

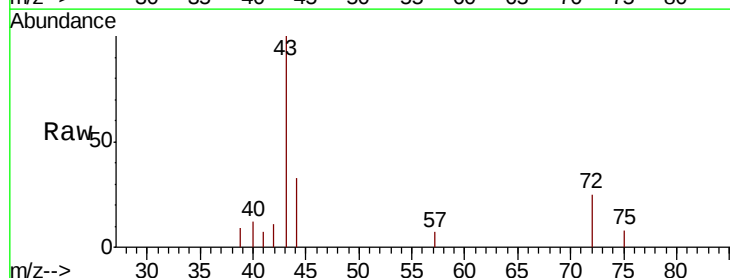
Acq: 15 Oct 2018 18:08

Tgt Ion: 43 Resp: 2960

Ion Ratio Lower Upper

43 100

72 24.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

1000

800

600

400

200

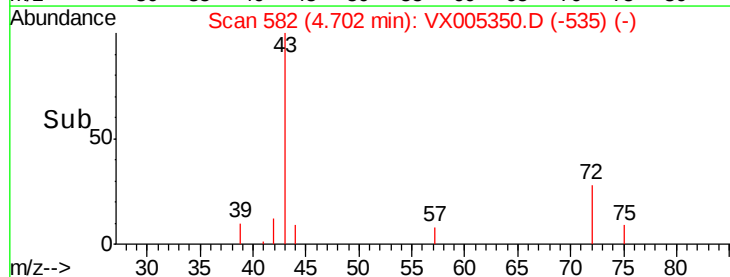
0

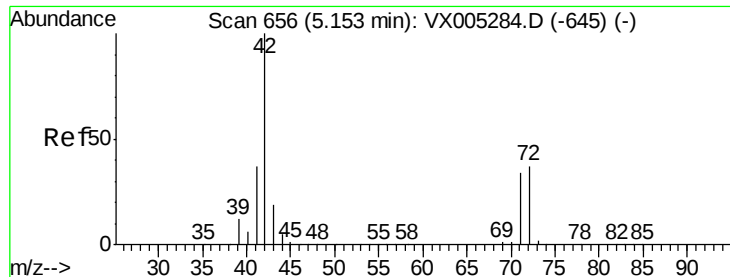
4.60

4.70

4.80

Time-->

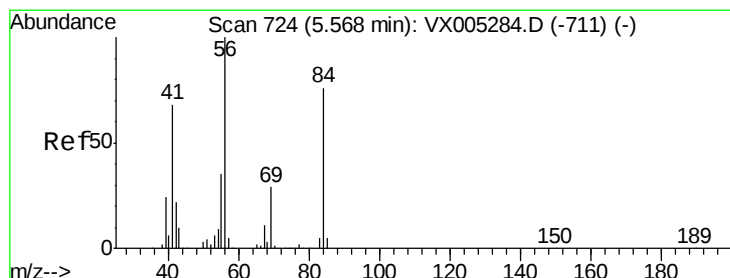
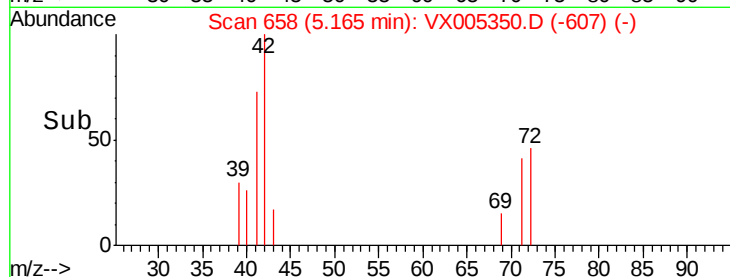
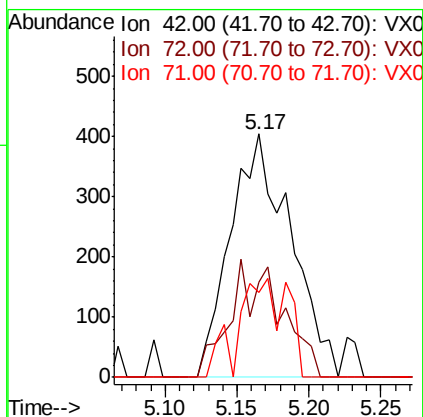
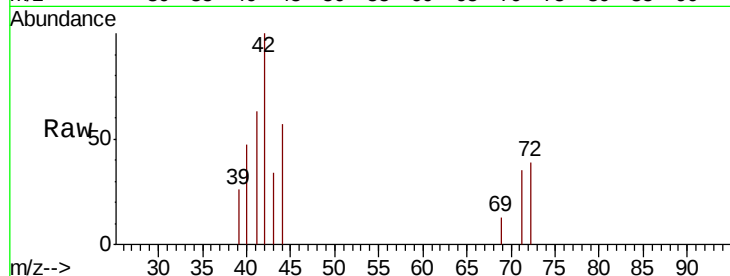




#29
Tetrahydrofuran
Concen: 0.774 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005350.D
Acq: 15 Oct 2018 18:08

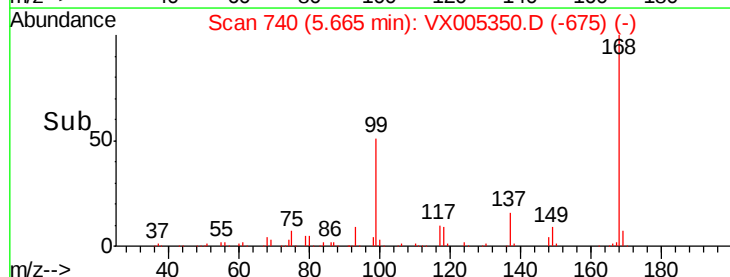
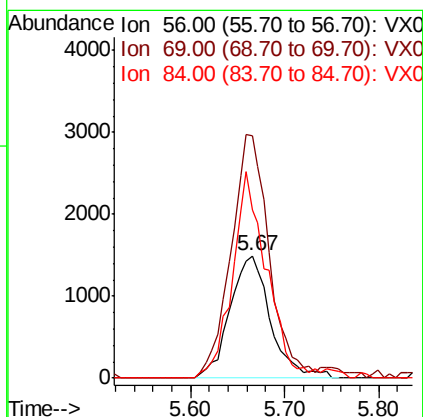
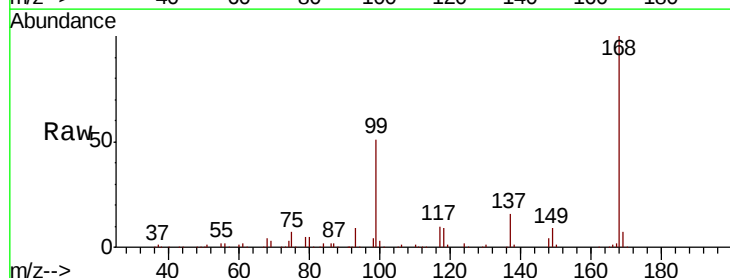
Instrument :
MSVOA_X
ClientSampleId :
PB113825ZHE#06

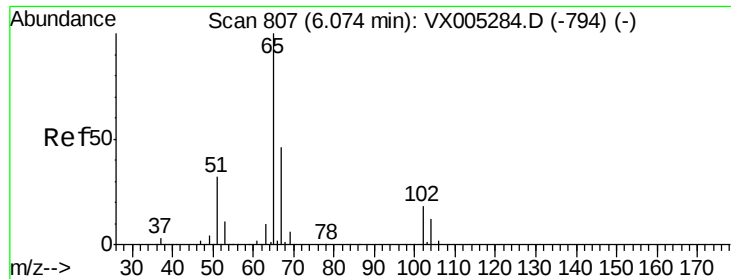
Tot Ion: 42 Resp: 1181
Ion Ratio Lower Upper
42 100
72 18.0 37.4 56.0#
71 33.4 34.5 51.7#



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005350.D
Acq: 15 Oct 2018 18:08

Tgt Ion: 56 Resp: 4479
Ion Ratio Lower Upper
56 100
69 199.0 25.4 38.2#
84 137.7 71.4 107.2#

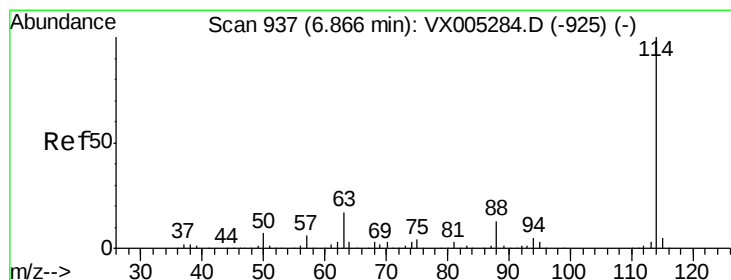
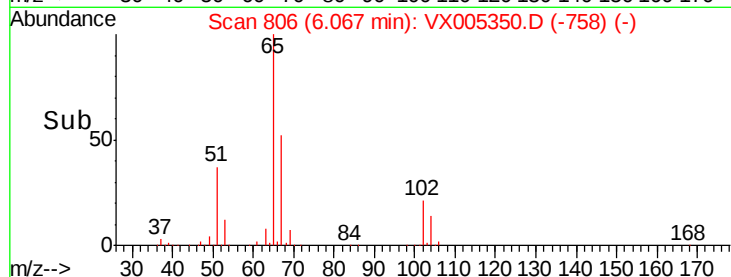
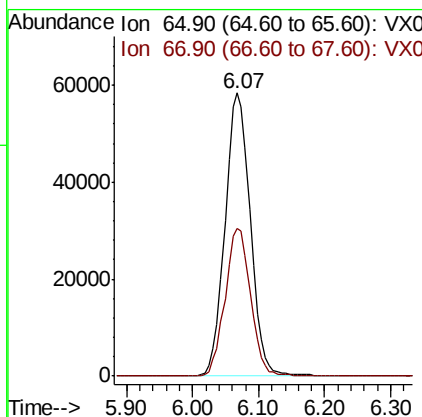
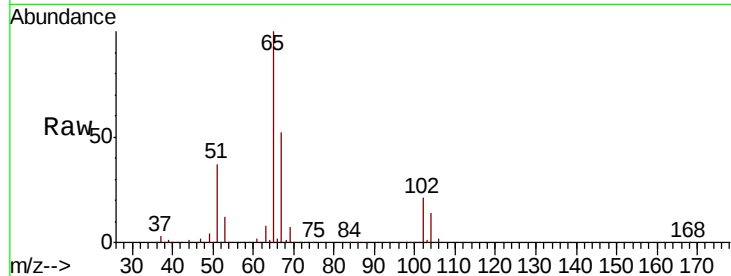




#33
 1,2-Dichloroethane-d4
 Concen: 54.628 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

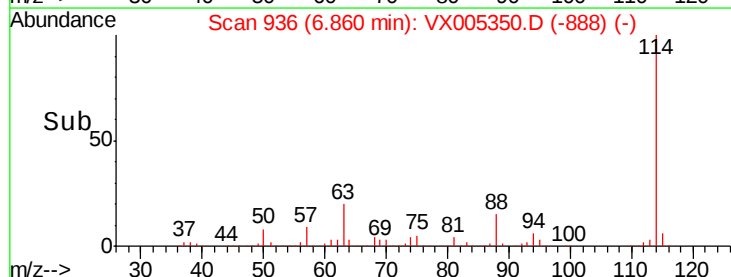
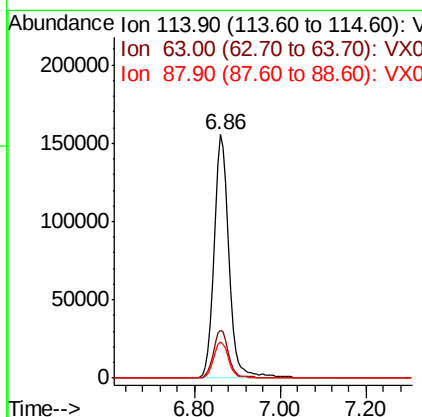
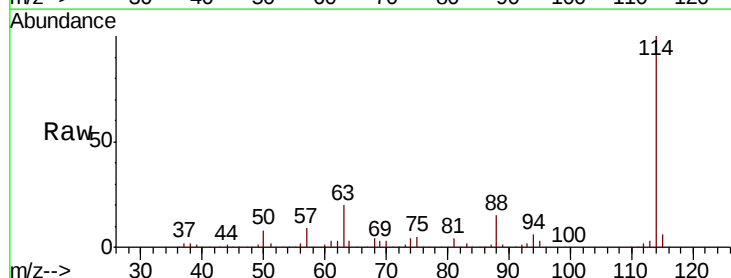
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113825ZHE#06

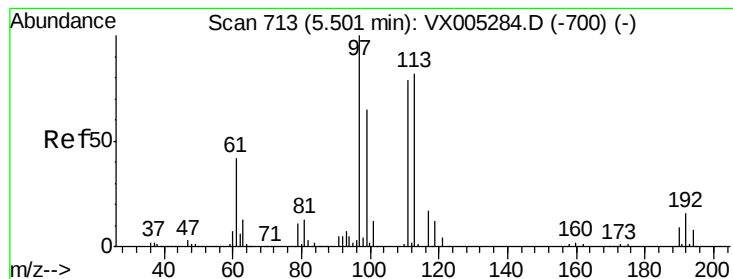
Tot Ion: 65 Resp: 154555
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

Tgt Ion: 114 Resp: 384049
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.695 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

PB113825ZHE#06

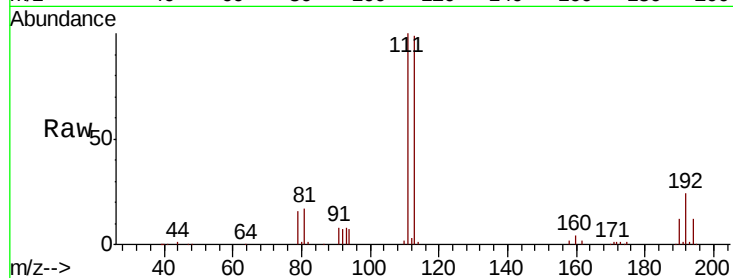
Tot Ion:113 Resp: 123864

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

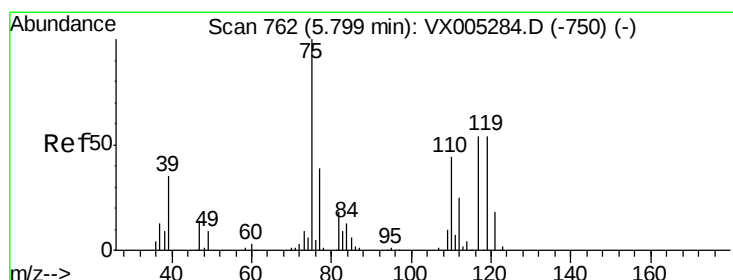
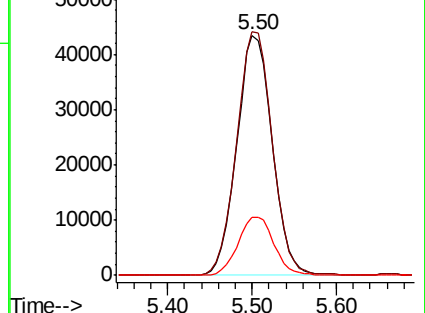
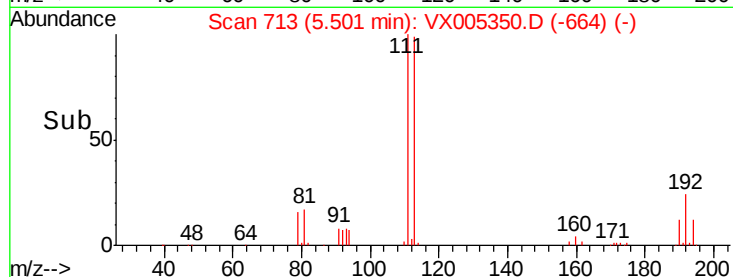
192 24.5 19.4 29.2



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: 4.449 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

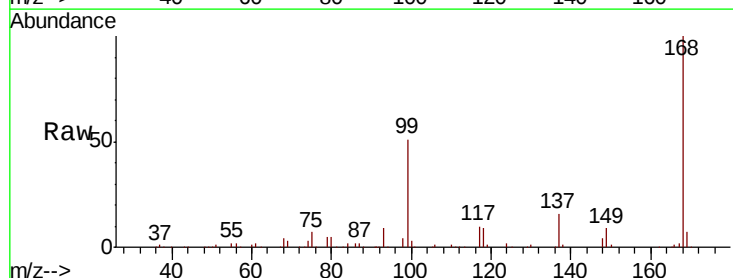
Tgt Ion: 75 Resp: 16547

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

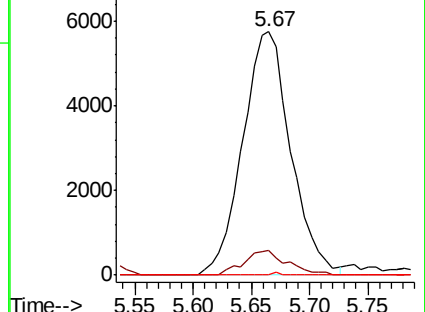
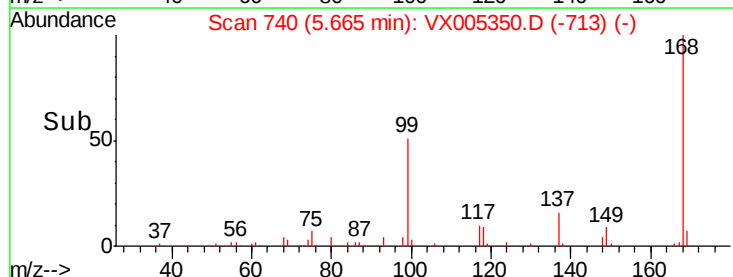
77 0.1 24.6 36.8#

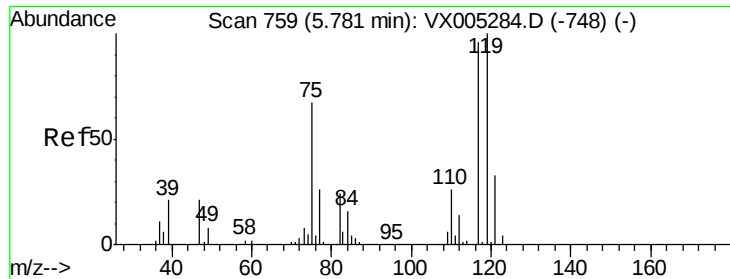


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

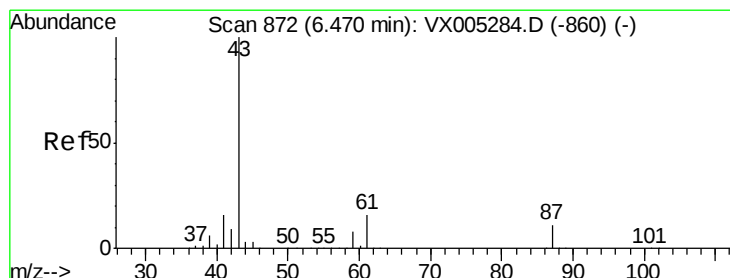
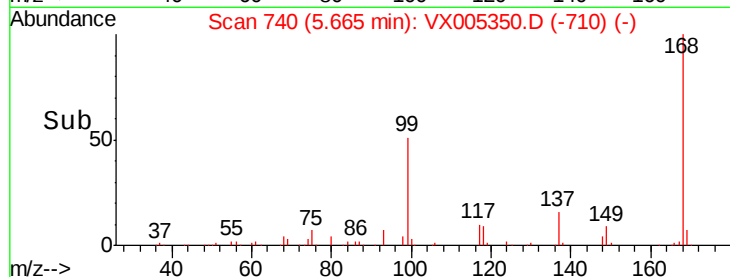
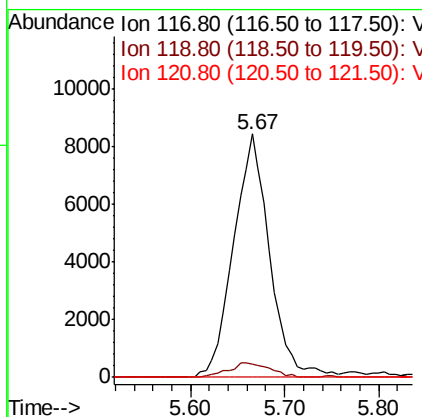
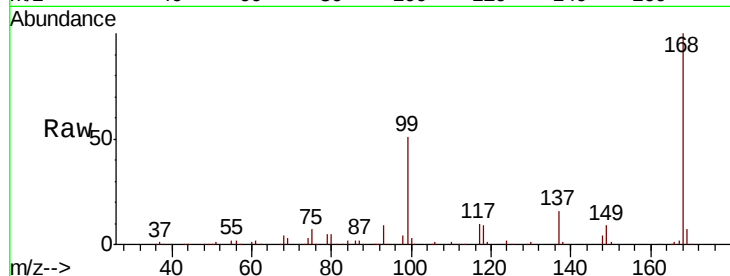




#38
Carbon Tetrachloride
Concen: 6.023 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005350.D
Acq: 15 Oct 2018 18:08

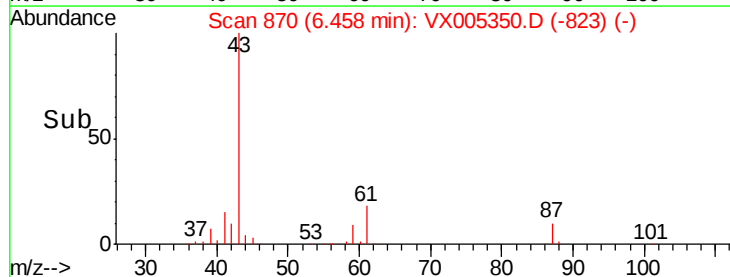
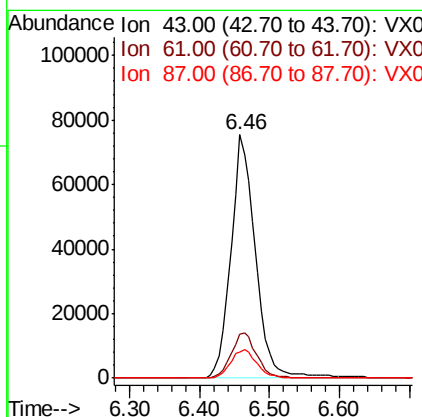
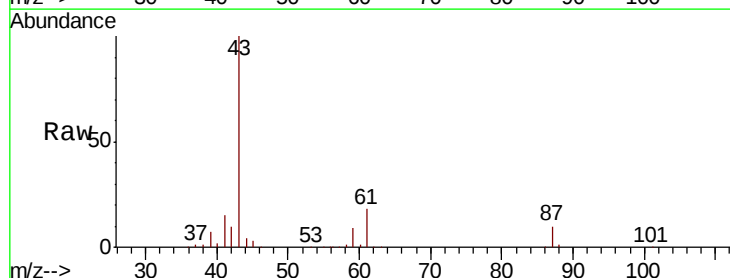
Instrument :
MSVOA_X
ClientSampleId :
PB113825ZHE#06

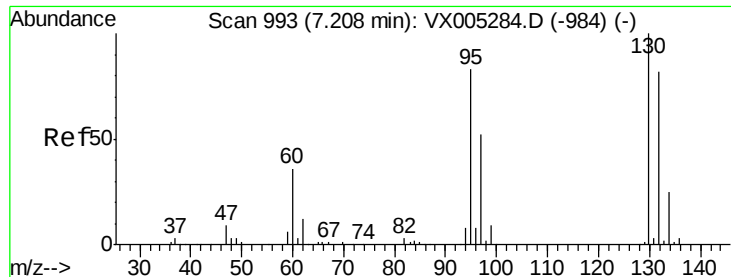
Tot Ion:117 Resp: 22511
Ion Ratio Lower Upper
117 100
119 5.5 78.8 118.2#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 28.727 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX005350.D
Acq: 15 Oct 2018 18:08

Tgt Ion: 43 Resp: 183044
Ion Ratio Lower Upper
43 100
61 19.6 17.0 25.4
87 12.3 11.4 17.2

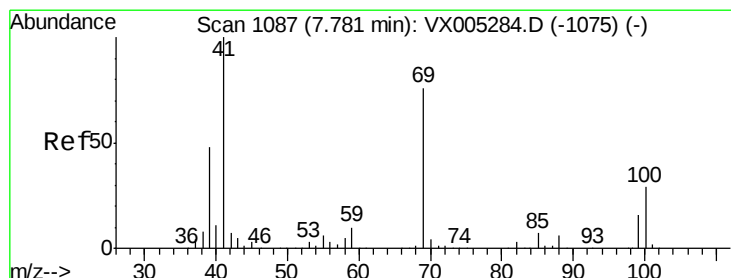
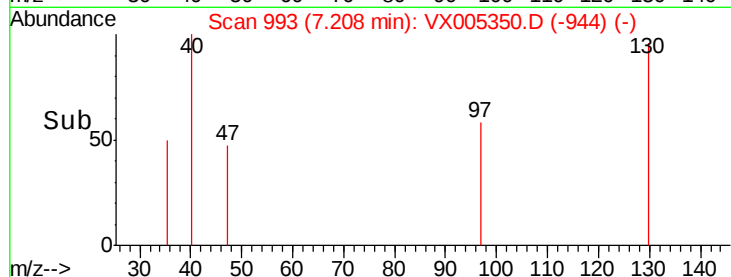
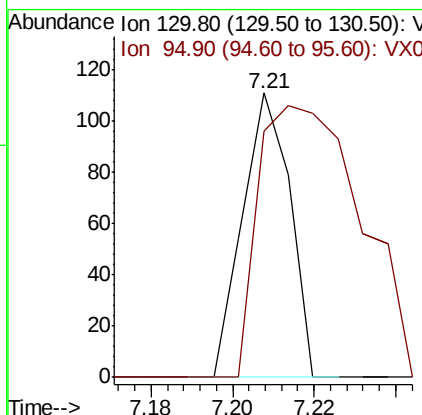
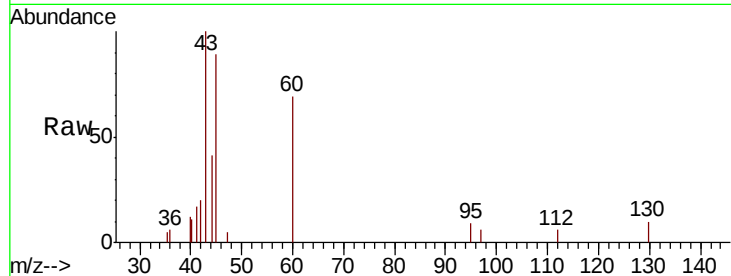




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

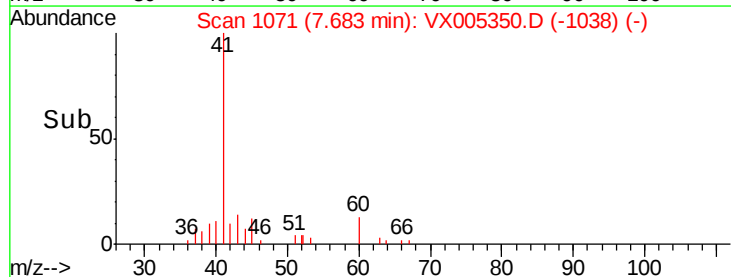
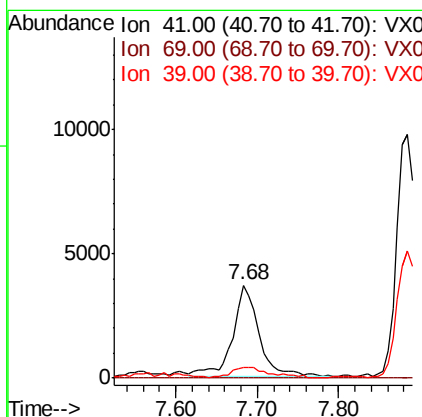
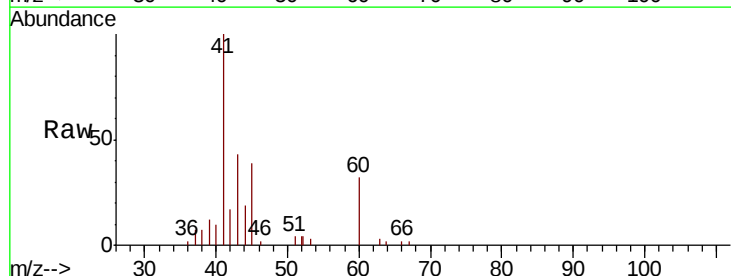
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113825ZHE#06

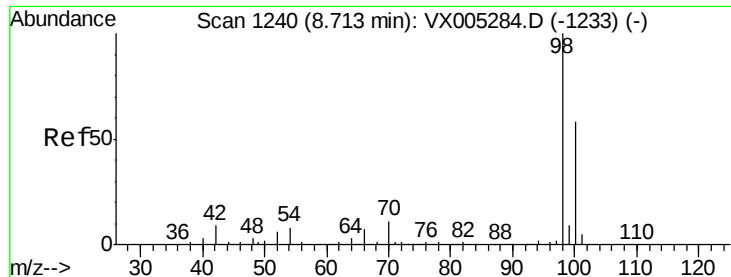
Tot Ion:130 Resp: 89
 Ion Ratio Lower Upper
 130 100
 95 86.5 0.0 181.6



#48
 Methyl methacrylate
 Concen: 2.451 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.10 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

Tgt Ion: 41 Resp: 8099
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.2 105.4#
 39 17.8 42.7 64.1#





#50

Toluene-d8

Concen: 53.125 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

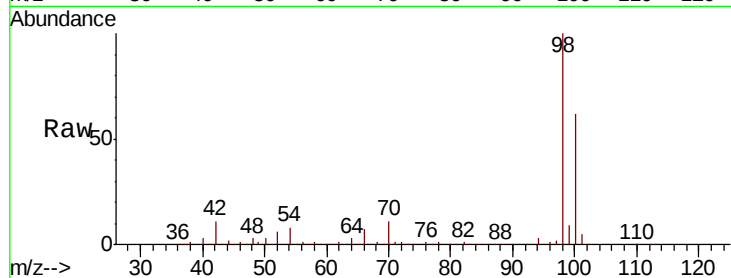
PB113825ZHE#06

Tot Ion: 98 Resp: 463913

Ion Ratio Lower Upper

98 100

100 63.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

300000

250000

200000

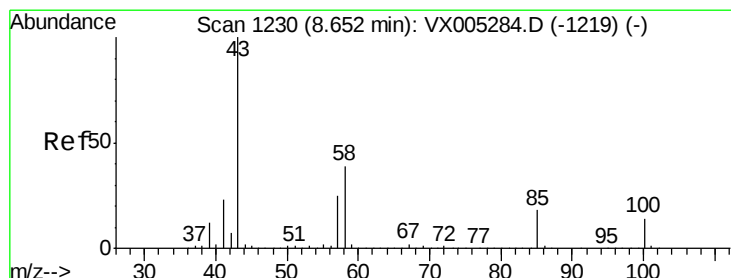
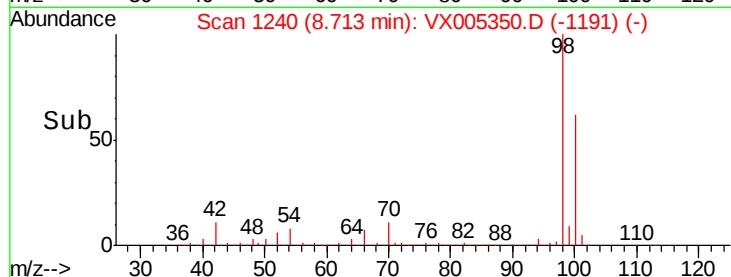
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.765 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX005350.D

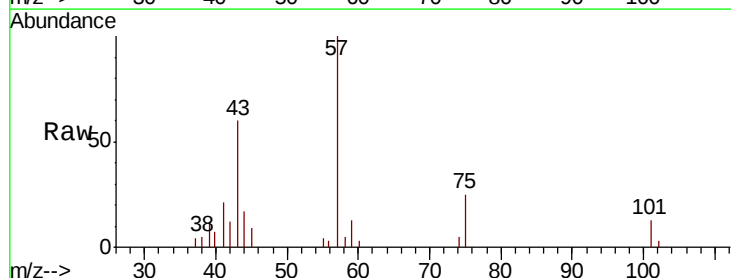
Acq: 15 Oct 2018 18:08

Tgt Ion: 43 Resp: 3377

Ion Ratio Lower Upper

43 100

58 6.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

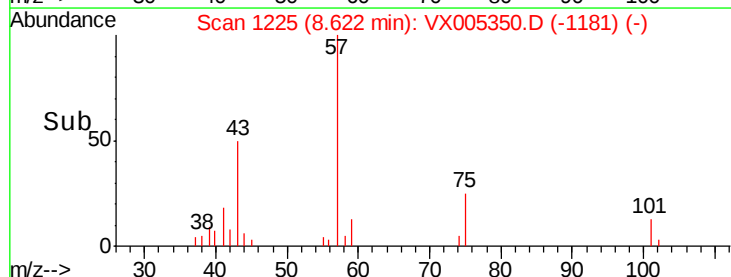
1500

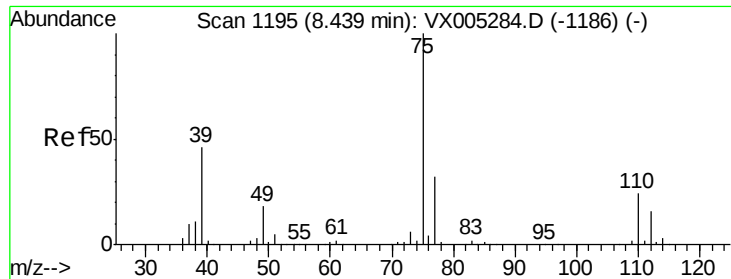
1000

500

0

Time--> 8.55 8.60 8.65 8.70

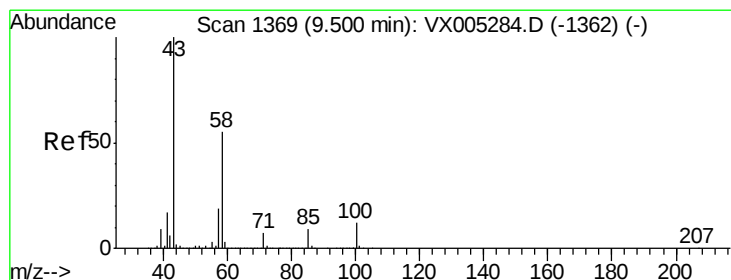
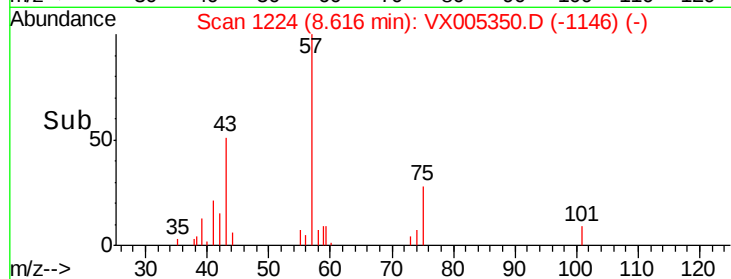
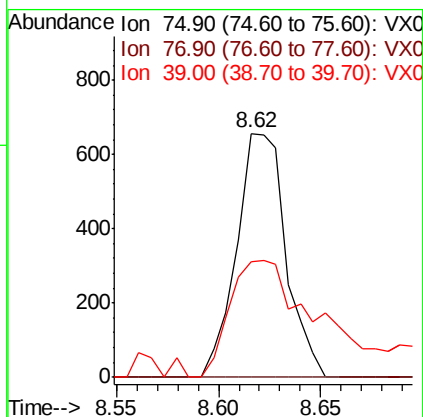
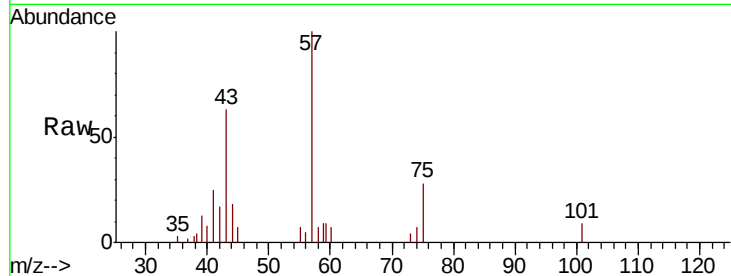




#54
 cis-1,3-Dichloropropene
 Concen: 0.281 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

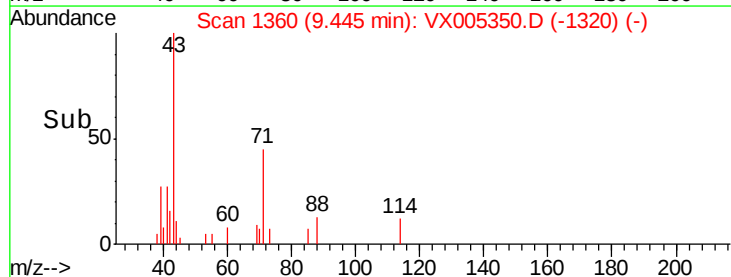
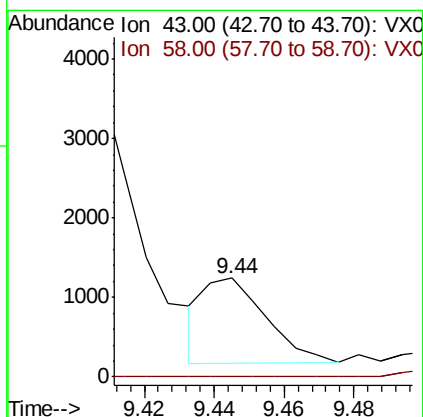
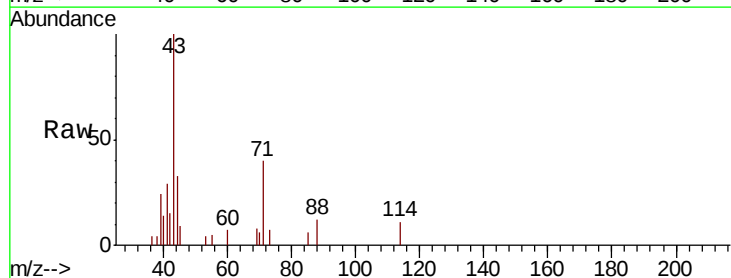
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113825ZHE#06

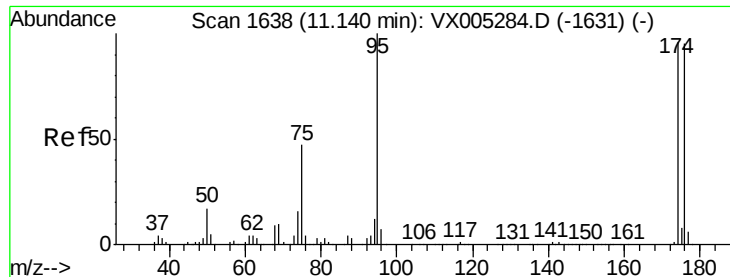
Tot Ion: 75 Resp: 1102
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 47.4 36.4 54.6



#59
 2-Hexanone
 Concen: 0.376 ug/l
 RT: 9.44 min Scan# 1360
 Delta R.T. -0.05 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

Tgt Ion: 43 Resp: 1335
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 87.0#





#62

4-Bromofluorobenzene

Concen: 46.268 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

PB113825ZHE#06

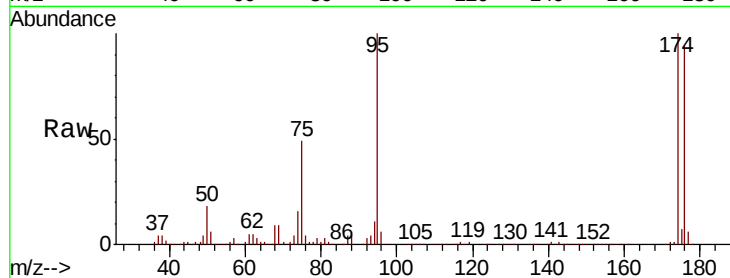
Tot Ion: 95 Resp: 151783

Ion Ratio Lower Upper

95 100

174 97.6 0.0 185.2

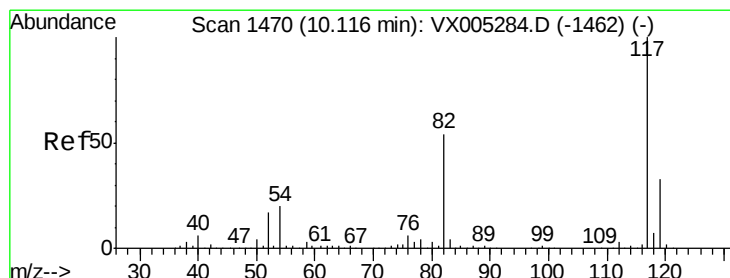
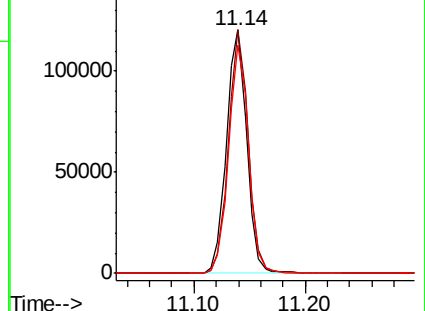
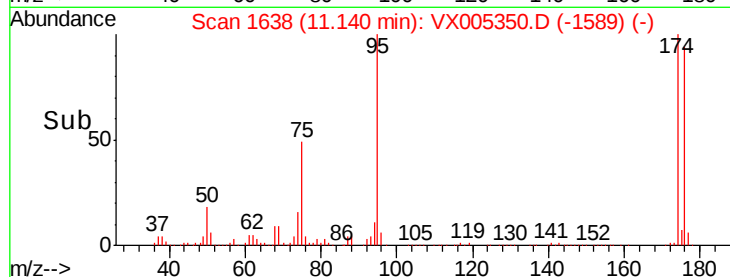
176 92.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005350.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005350.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005350.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

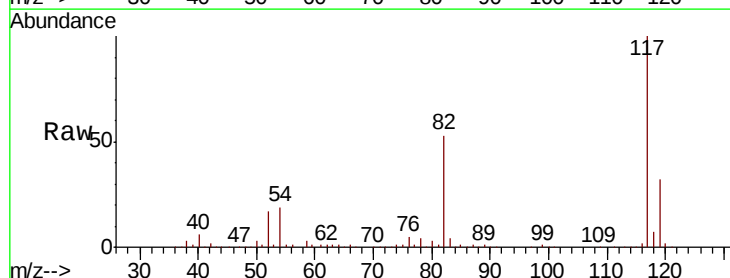
Tgt Ion: 117 Resp: 356289

Ion Ratio Lower Upper

117 100

82 53.3 47.8 71.6

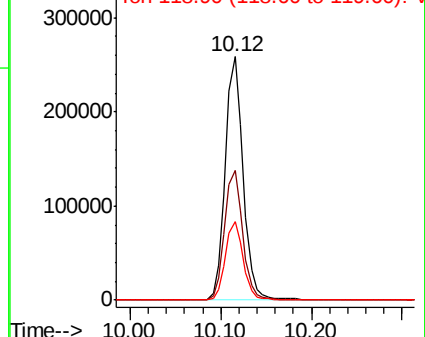
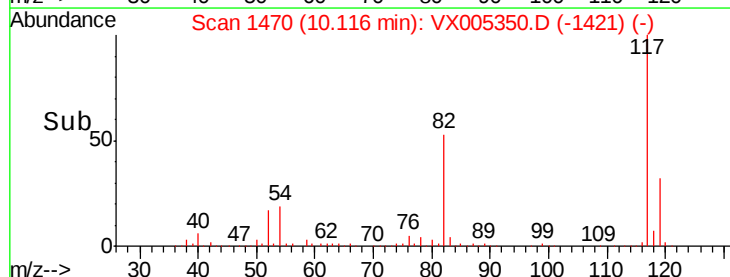
119 32.2 29.3 43.9

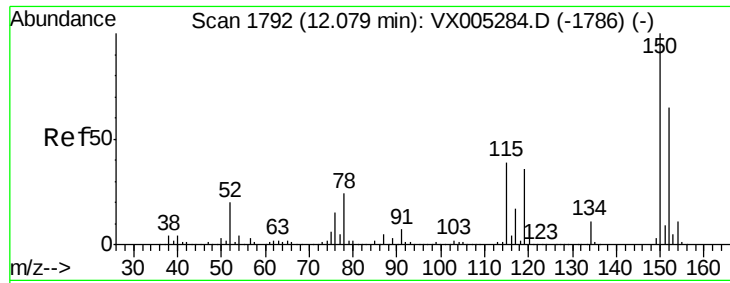


Abundance Ion 116.90 (116.60 to 117.60): VX005350.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005350.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005350.D (-1421) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005350.D

Acq: 15 Oct 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

PB113825ZHE#06

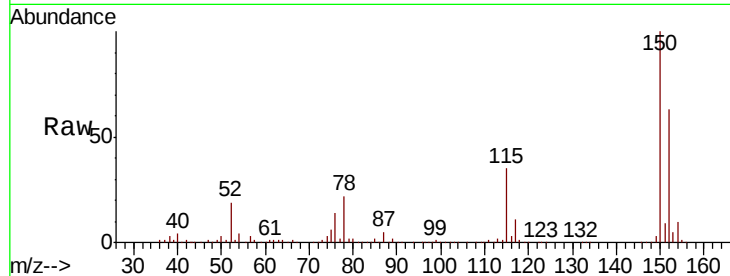
Tot Ion:152 Resp: 169750

Ion Ratio Lower Upper

152 100

115 54.8 39.0 117.0

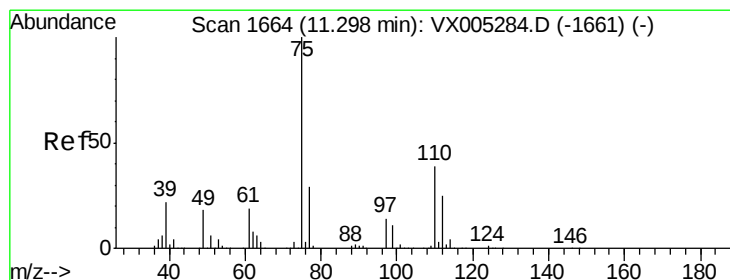
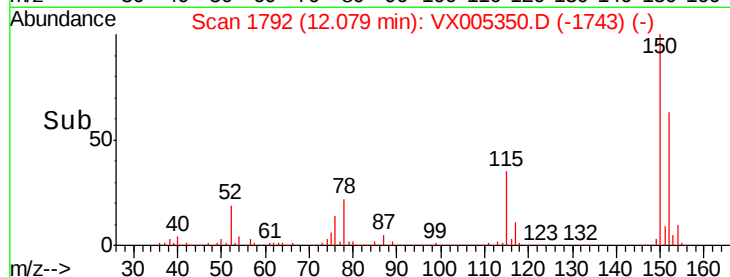
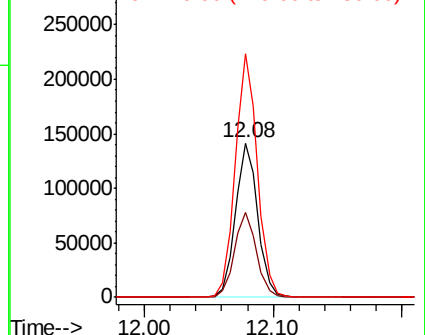
150 157.5 0.0 351.0



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: 22.805 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005350.D

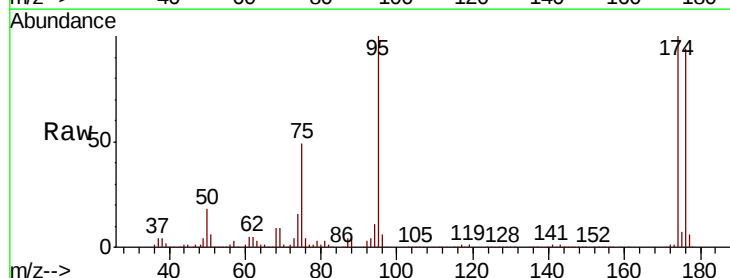
Acq: 15 Oct 2018 18:08

Tgt Ion: 75 Resp: 75089

Ion Ratio Lower Upper

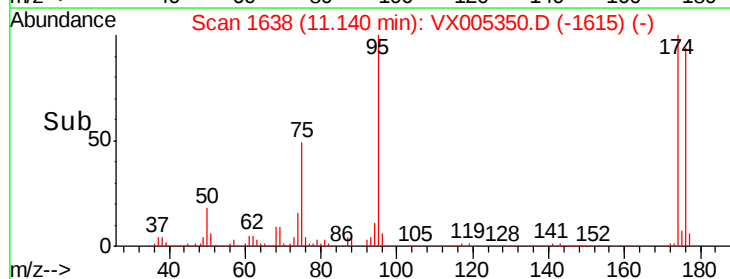
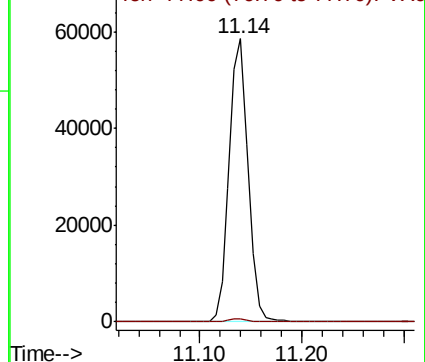
75 100

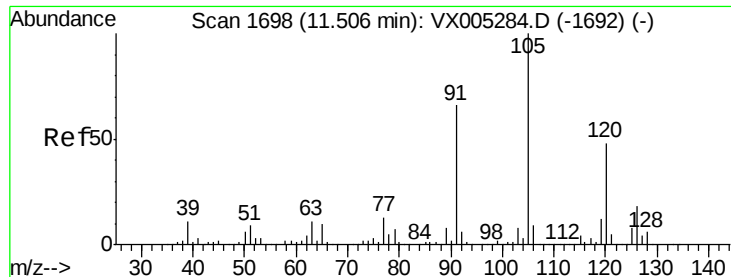
77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

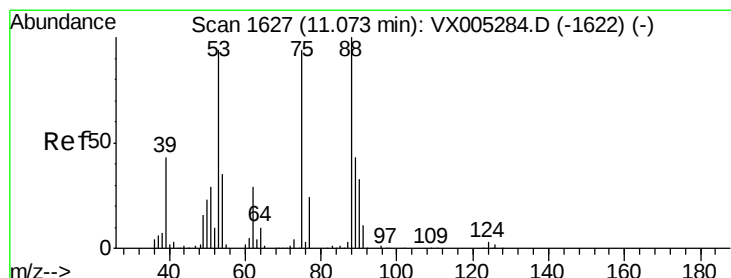
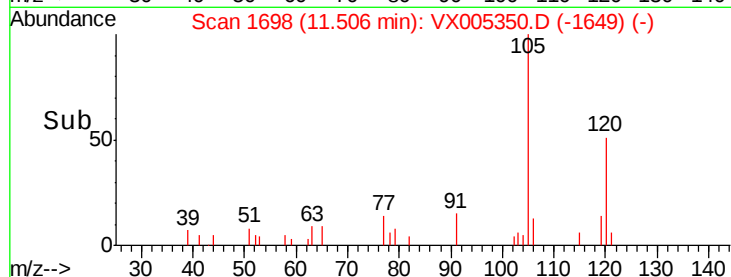
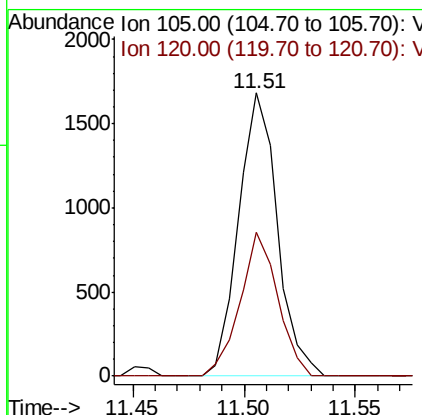
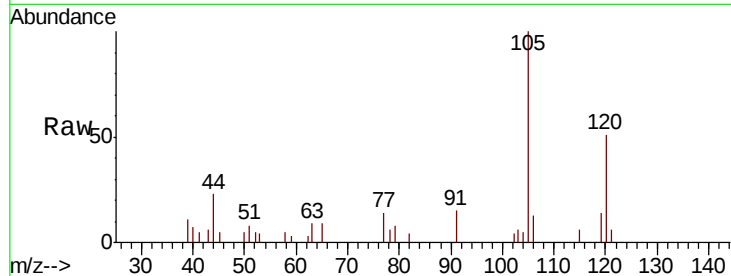




#80
 1,3,5-Trimethylbenzene
 Concen: 0.236 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113825ZHE#06

Tot Ion:105 Resp: 2041
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.292 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005350.D
 Acq: 15 Oct 2018 18:08

Tgt Ion: 75 Resp: 75089
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#

