

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004933.D
 Acq On : 02 Oct 2018 21:42
 Operator : JC/MD
 Sample : PB113401ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113401ZHE#01

Quant Time: Oct 03 04:44:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	198184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179120	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	155523	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	5.51	113	132058	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	8.72	98	478514	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	170326	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	

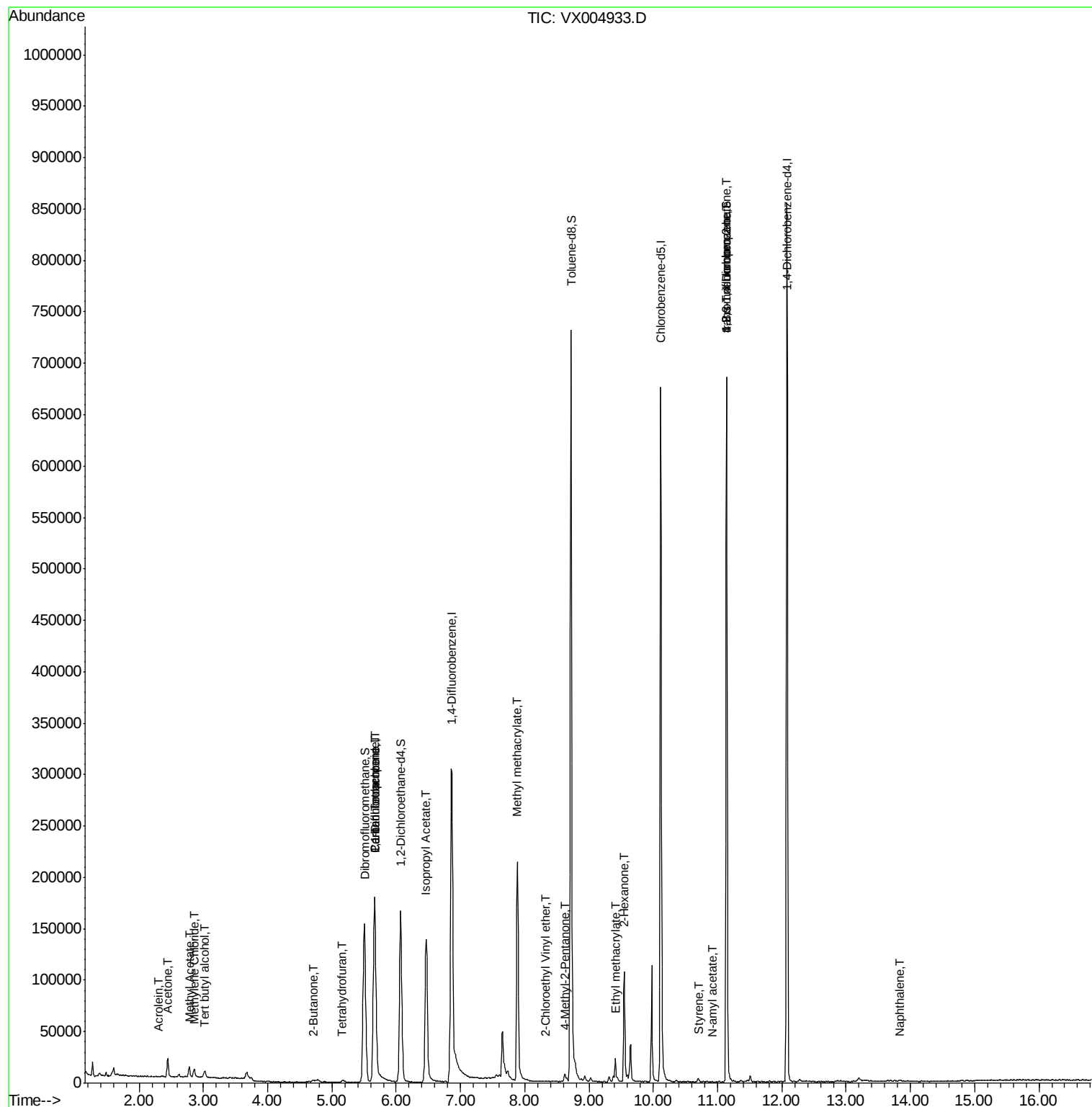
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	1132	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	4372	5.523	ug/l #	80
13) Acrolein	2.29	56	171	0.304	ug/l #	30
16) Acetone	2.45	43	19642	11.884	ug/l	95
18) Methyl Acetate	2.78	43	13493	3.222	ug/l	97
20) Methylene Chloride	2.85	84	3743	0.731	ug/l #	87
25) 2-Butanone	4.71	43	3820	1.568	ug/l #	87
29) Tetrahydrofuran	5.16	42	768	0.507	ug/l #	64
36) 1,1-Dichloropropene	5.67	75	13046	3.433	ug/l #	45
38) Carbon Tetrachloride	5.67	117	16892	4.228	ug/l #	18
43) Isopropyl Acetate	6.46	43	197082	27.066	ug/l	98
48) Methyl methacrylate	7.88	41	20899	6.324	ug/l #	43
51) 4-Methyl-2-Pentanone	8.62	43	2926	0.638	ug/l #	37
56) Ethyl methacrylate	9.41	69	553	2.974	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	19	14.249	ug/l #	49
59) 2-Hexanone	9.55	43	12665	3.315	ug/l #	54
70) Styrene	10.71	104	342	2.177	ug/l #	70
74) N-amyl acetate	10.91	43	57	1.757	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	85059	21.187	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	85059	57.475	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	478	Below Cal		82
95) Naphthalene	13.83	128	747	0.769	ug/l #	87

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

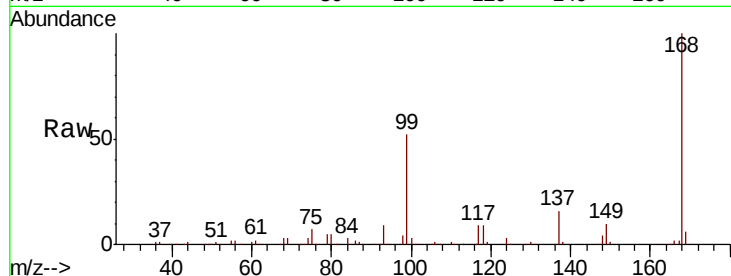
PB113401ZHE#01

Tot Ion:168 Resp: 198184

Ion Ratio Lower Upper

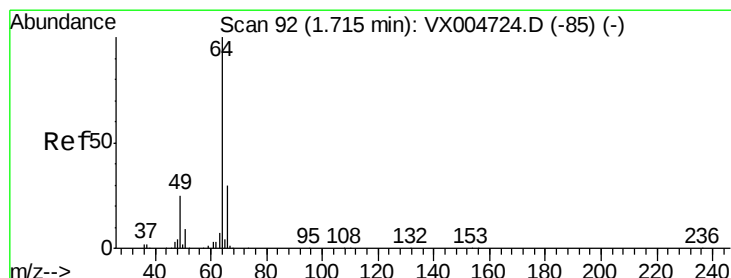
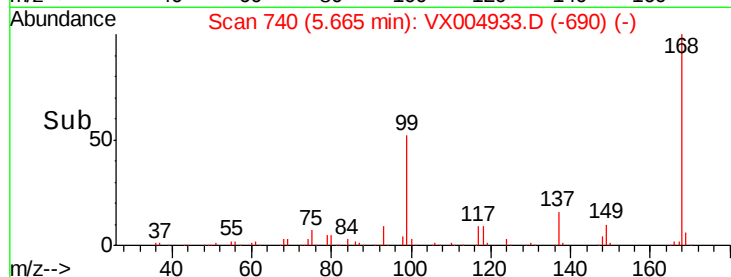
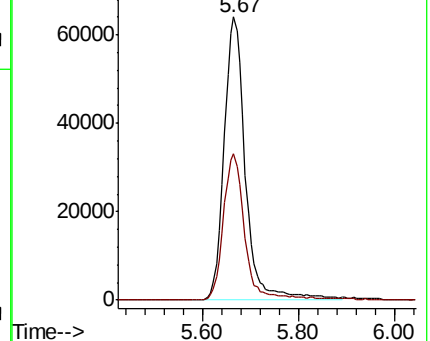
168 100

99 51.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX004933.D

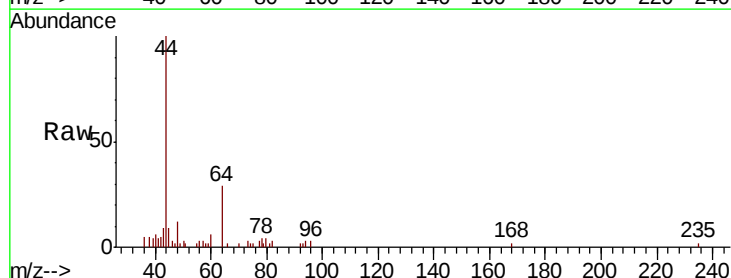
Acq: 02 Oct 2018 21:42

Tgt Ion: 64 Resp: 1132

Ion Ratio Lower Upper

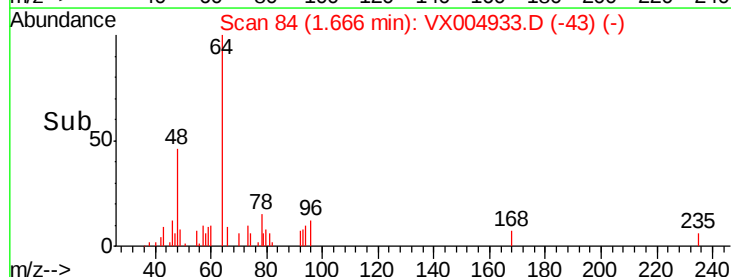
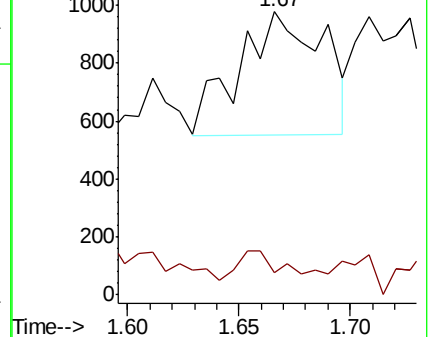
64 100

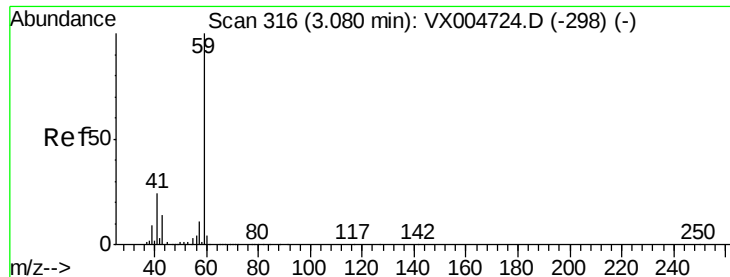
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

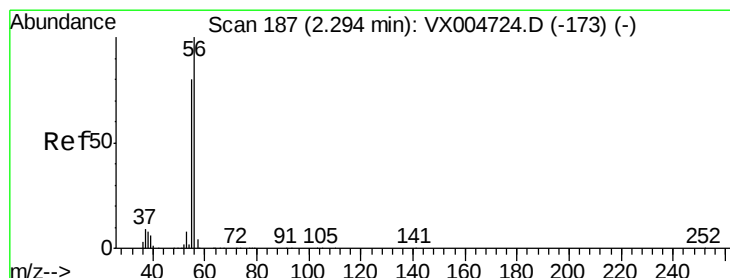
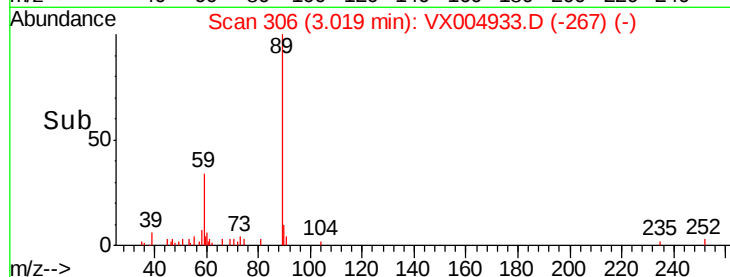
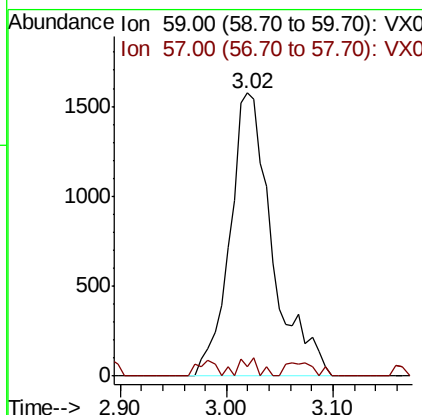
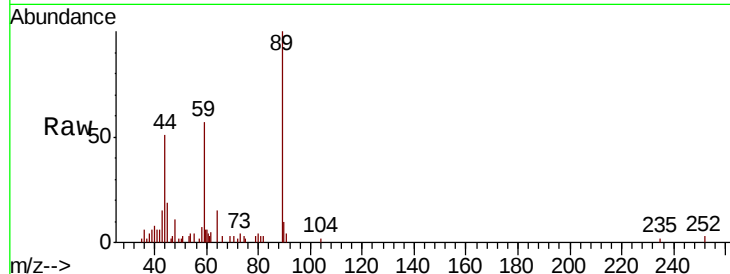




#11
Tert butyl alcohol
Concen: 5.523 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

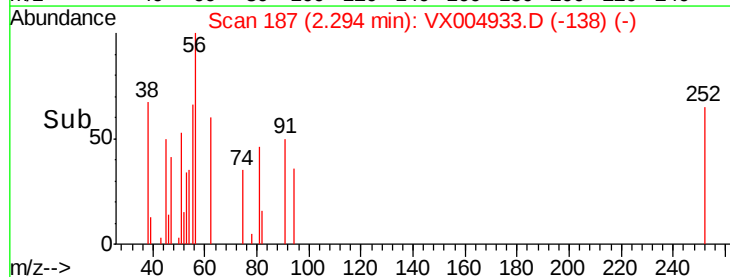
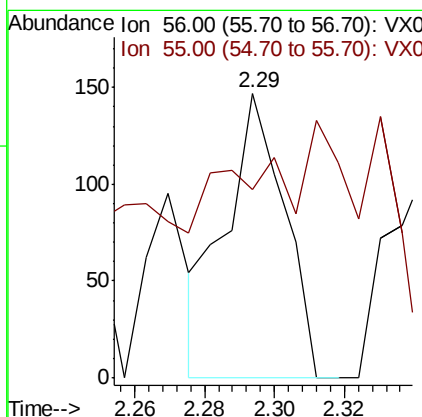
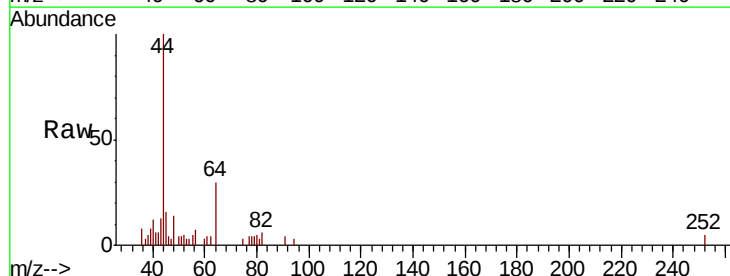
Instrument :
MSVOA_X
ClientSampleId :
PB113401ZHE#01

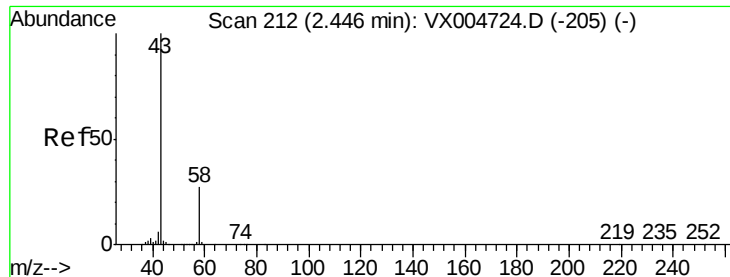
Tot Ion: 59 Resp: 4372
Ion Ratio Lower Upper
59 100
57 3.0 8.6 12.8#



#13
Acrolein
Concen: 0.304 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 18.1 63.4 95.2#





#16

Acetone

Concen: 11.884 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

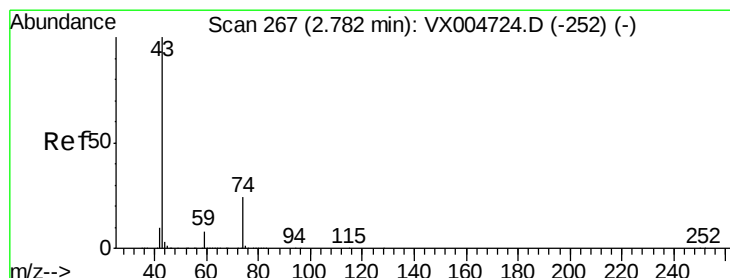
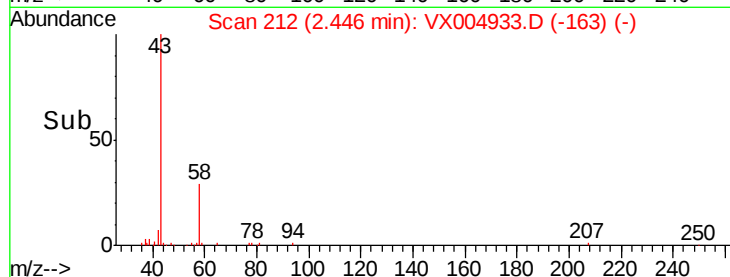
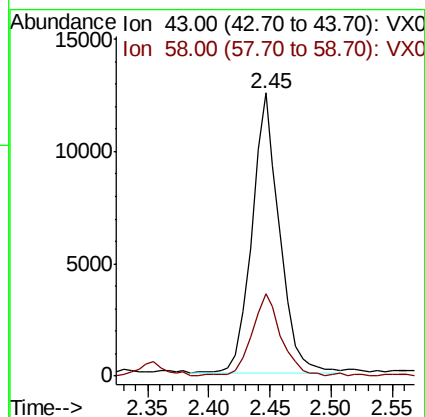
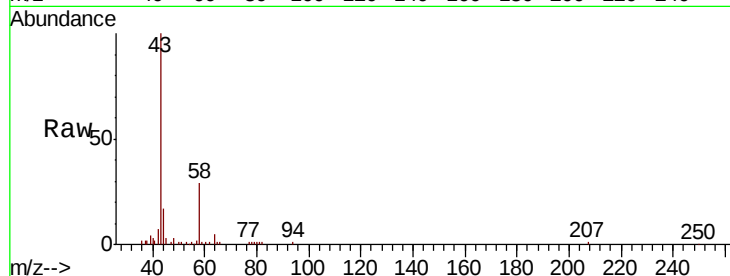
PB113401ZHE#01

Tot Ion: 43 Resp: 19642

Ion Ratio Lower Upper

43 100

58 29.6 21.8 32.6



#18

Methyl Acetate

Concen: 3.222 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004933.D

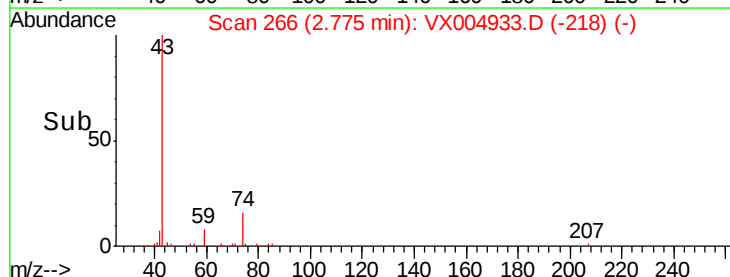
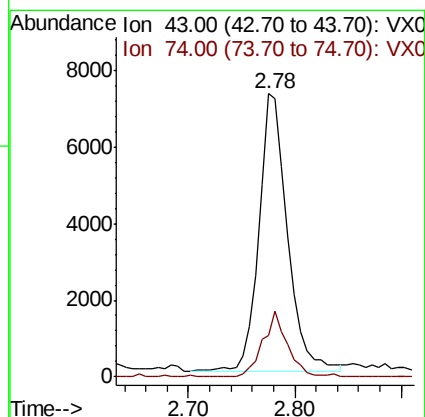
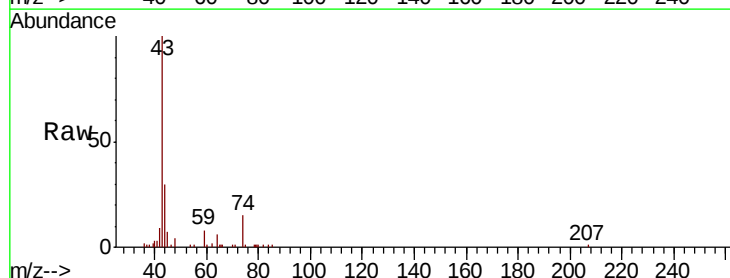
Acq: 02 Oct 2018 21:42

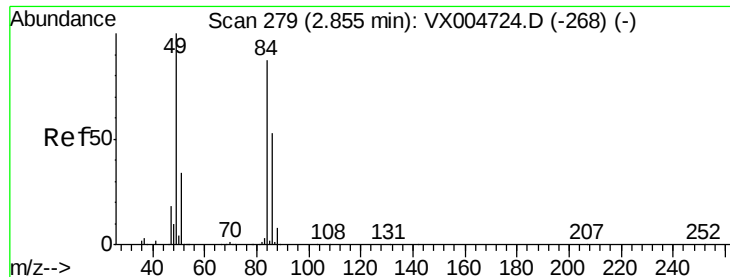
Tgt Ion: 43 Resp: 13493

Ion Ratio Lower Upper

43 100

74 20.8 17.8 26.8

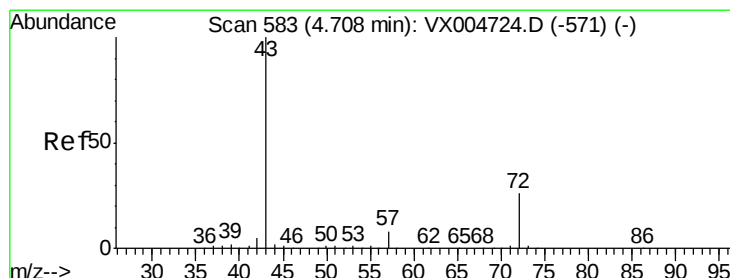
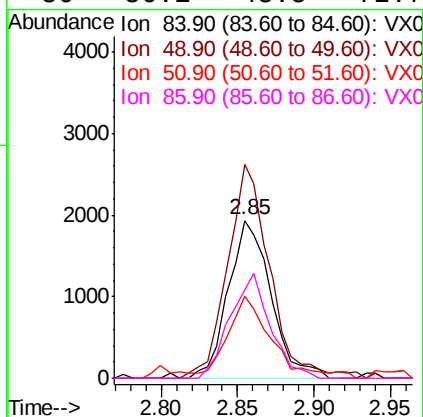
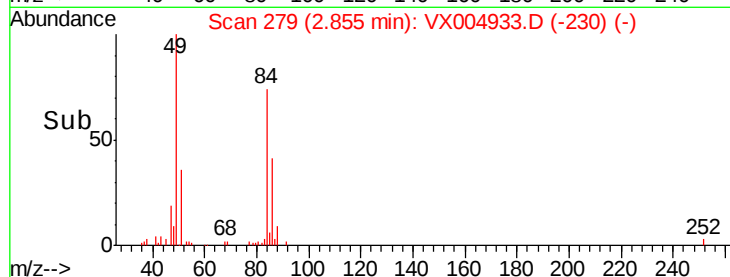
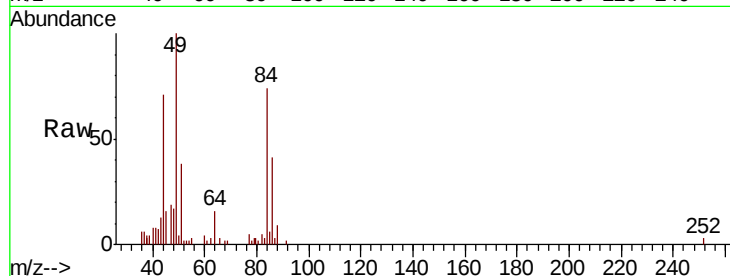




#20
Methylene Chloride
Concen: 0.731 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

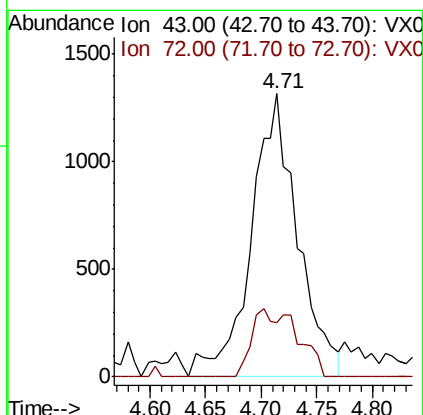
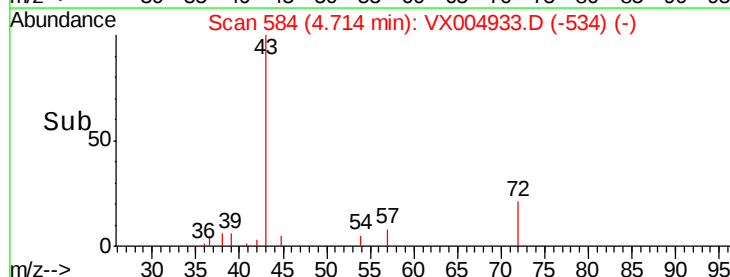
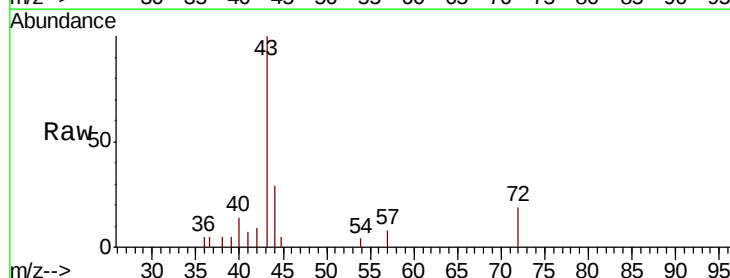
Instrument :
MSVOA_X
ClientSampleId :
PB113401ZHE#01

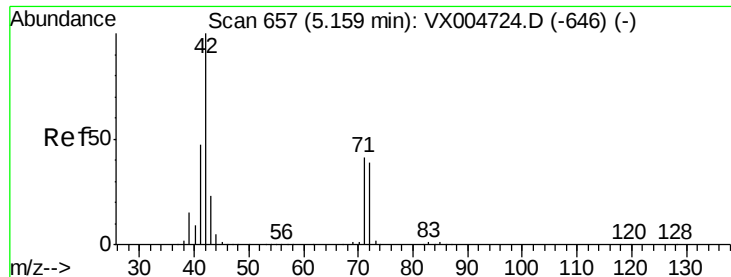
Tot Ion:	84	Resp:	3743
Ion	Ratio	Lower	Upper
84	100		
49	132.4	92.3	138.5
51	48.6	31.8	47.6#
86	56.1	48.5	72.7



#25
2-Butanone
Concen: 1.568 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Tgt Ion:	43	Resp:	3820
Ion	Ratio	Lower	Upper
43	100		
72	19.2	20.8	31.2#





#29

Tetrahydrofuran

Concen: 0.507 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

PB113401ZHE#01

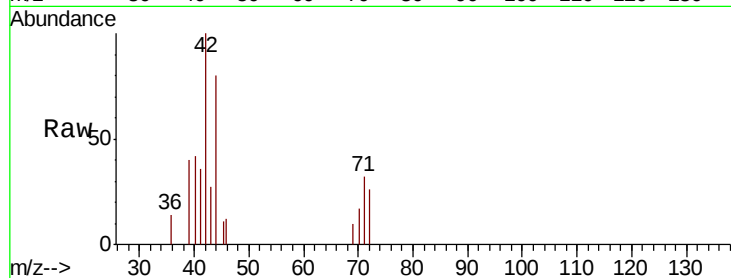
Tot Ion: 42 Resp: 768

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

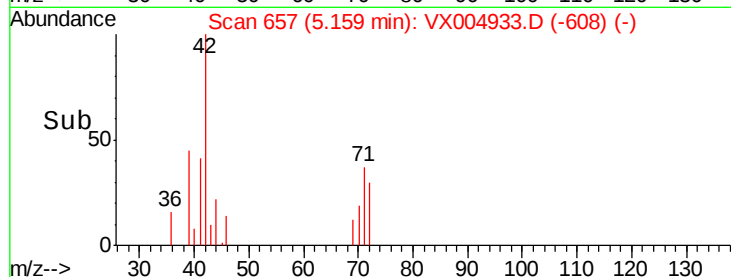
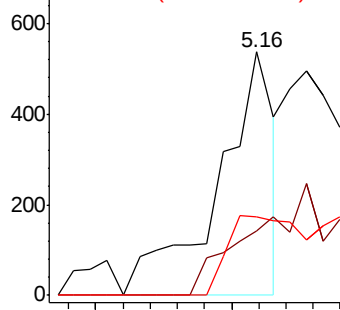
71 42.3 32.2 48.4



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



#33

1,2-Dichloroethane-d4

Concen: 54.934 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004933.D

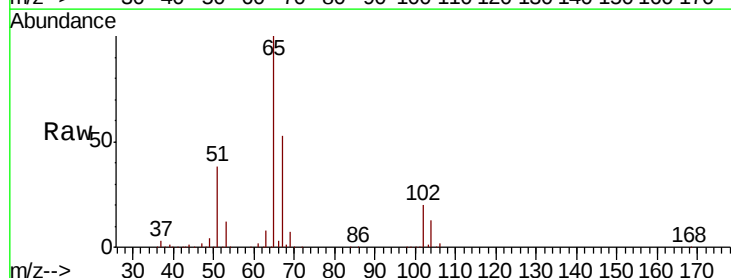
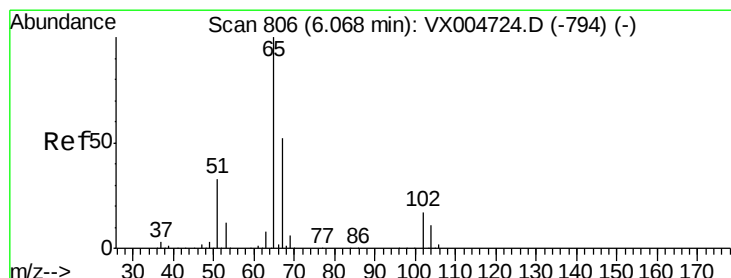
Acq: 02 Oct 2018 21:42

Tgt Ion: 65 Resp: 155523

Ion Ratio Lower Upper

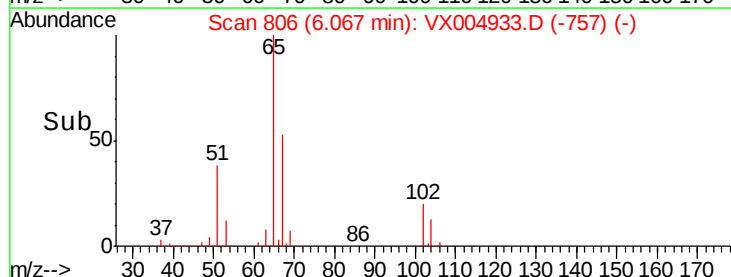
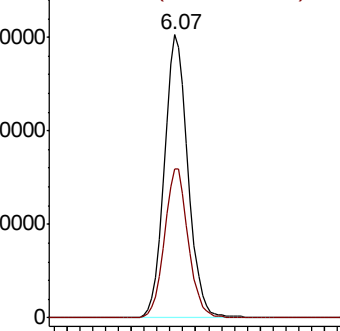
65 100

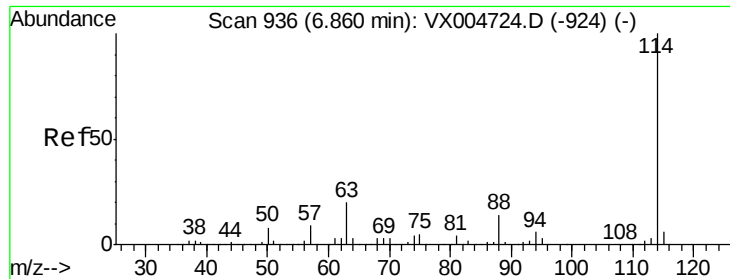
67 53.2 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

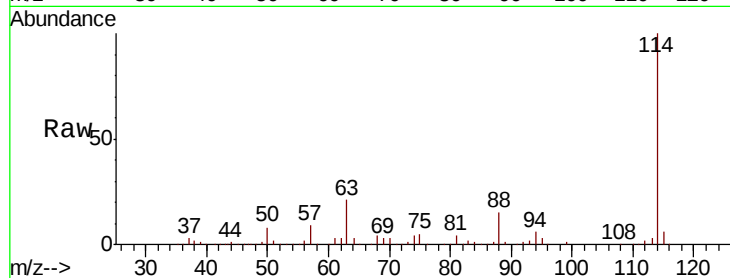




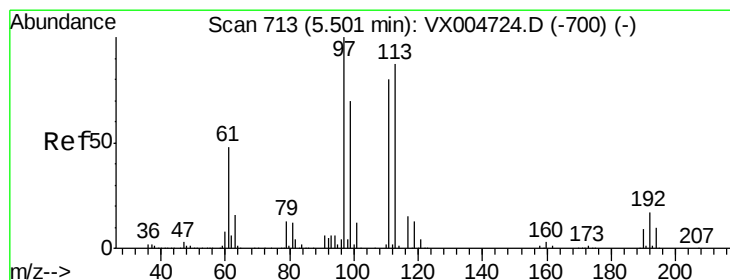
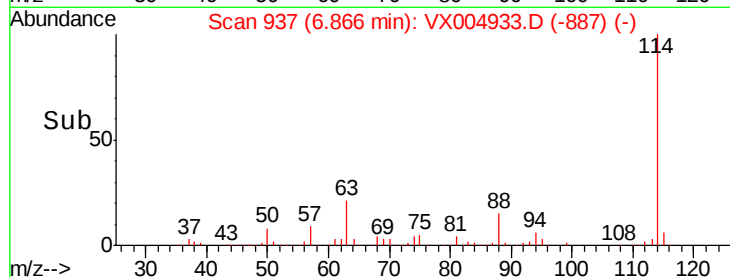
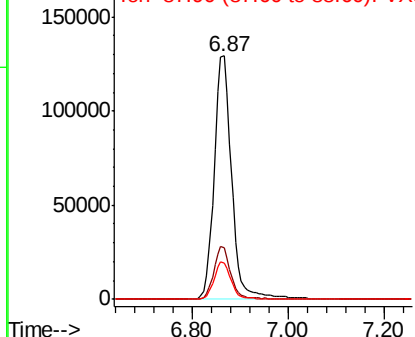
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004933.D
 Acq: 02 Oct 2018 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113401ZHE#01

Tot Ion:114 Resp: 328672
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.8
 88 14.8 0.0 27.0

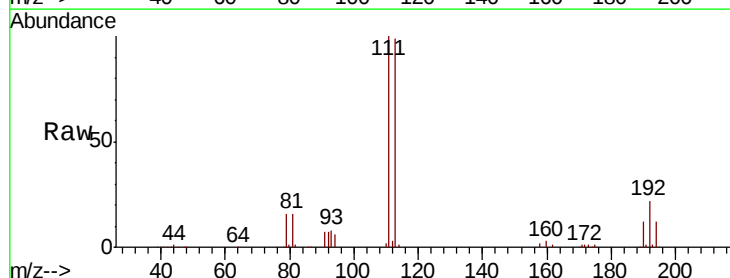


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

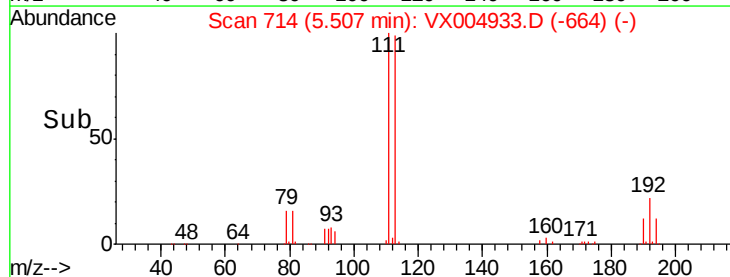
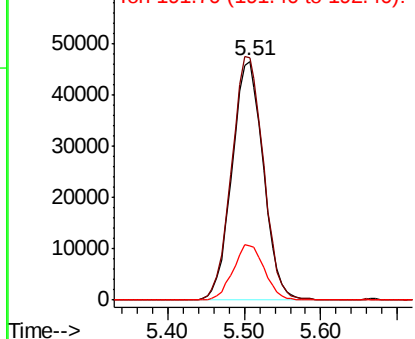


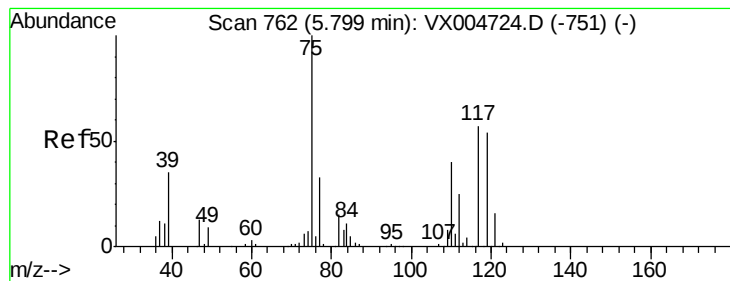
#35
 Dibromofluoromethane
 Concen: 47.408 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004933.D
 Acq: 02 Oct 2018 21:42

Tgt Ion:113 Resp: 132058
 Ion Ratio Lower Upper
 113 100
 111 103.2 77.0 115.4
 192 23.1 17.0 25.6



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: 3.433 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

PB113401ZHE#01

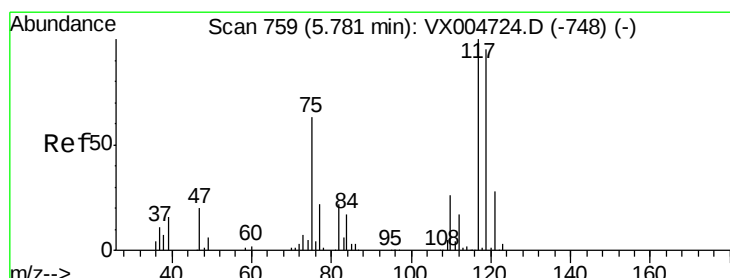
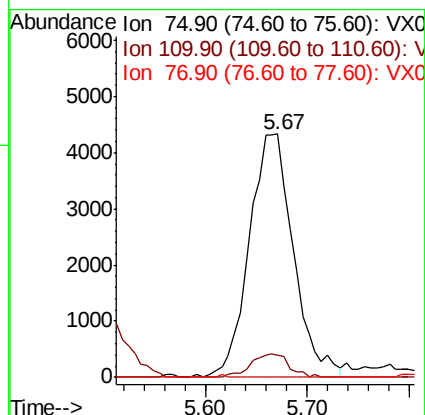
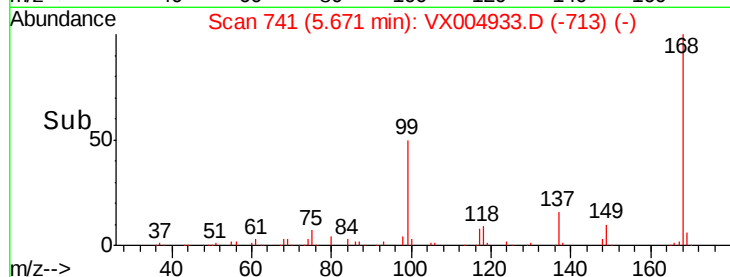
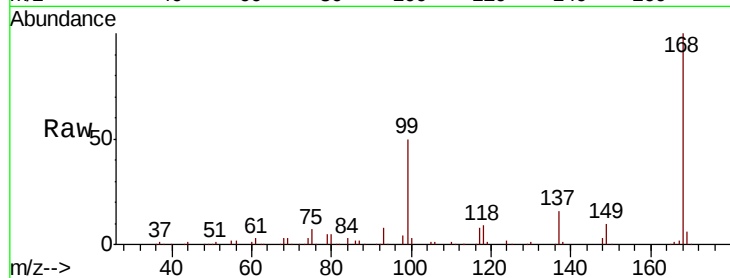
Tot Ion: 75 Resp: 13046

Ion Ratio Lower Upper

75 100

110 8.4 20.0 59.9#

77 0.0 27.1 40.7#



#38

Carbon Tetrachloride

Concen: 4.228 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

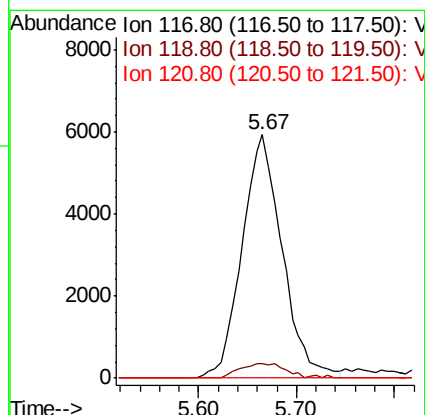
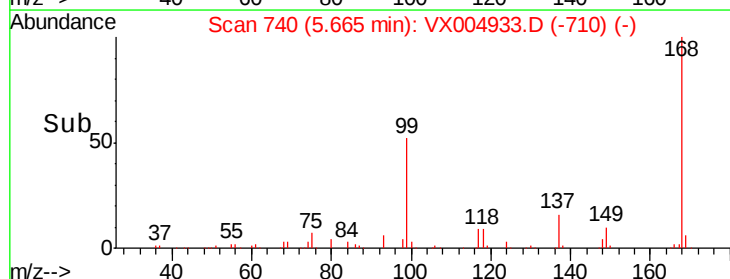
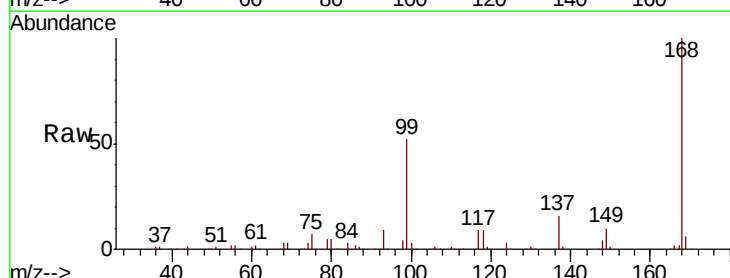
Tgt Ion: 117 Resp: 16892

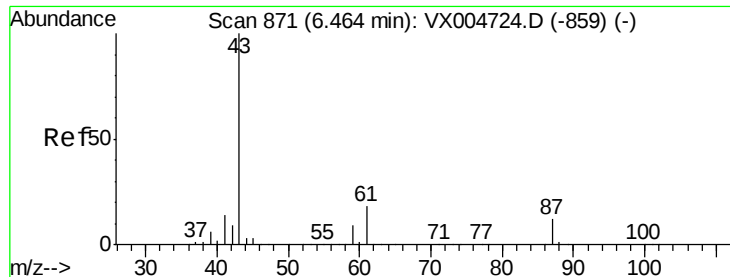
Ion Ratio Lower Upper

117 100

119 6.1 75.2 112.8#

121 0.0 22.5 33.7#





#43

Isopropyl Acetate

Concen: 27.066 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

PB113401ZHE#01

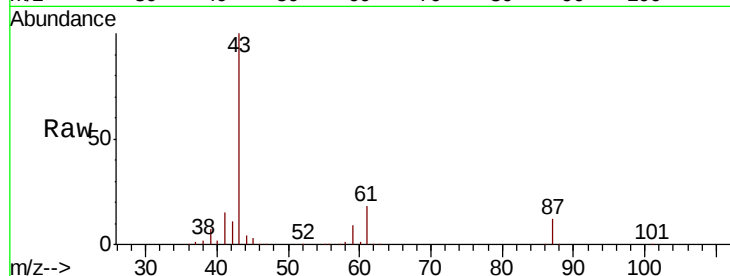
Tot Ion: 43 Resp: 197082

Ion Ratio Lower Upper

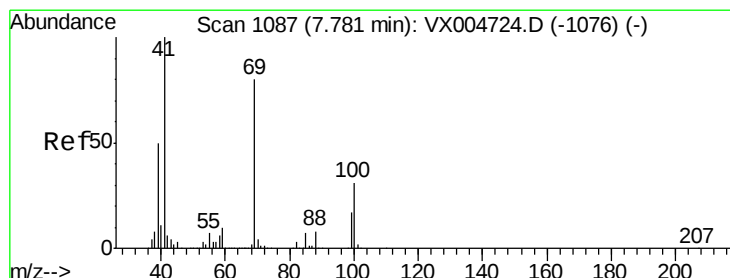
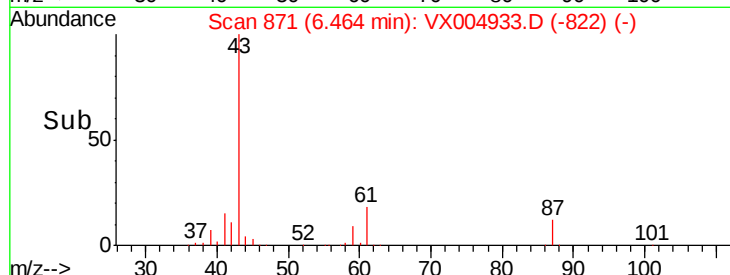
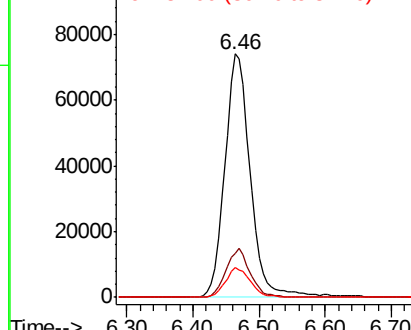
43 100

61 19.1 14.2 21.4

87 11.9 9.3 13.9



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



#48

Methyl methacrylate

Concen: 6.324 ug/l

RT: 7.88 min Scan# 1104

Delta R.T. 0.10 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

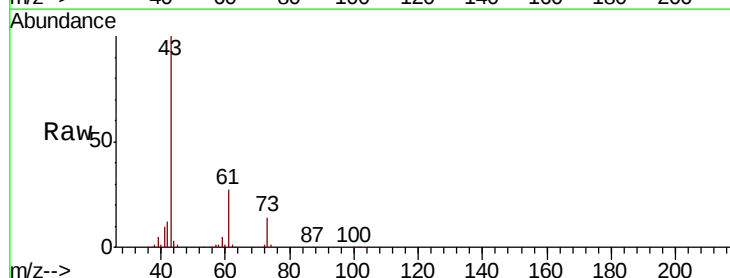
Tgt Ion: 41 Resp: 20899

Ion Ratio Lower Upper

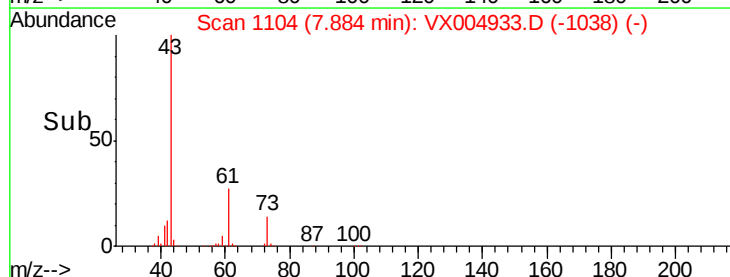
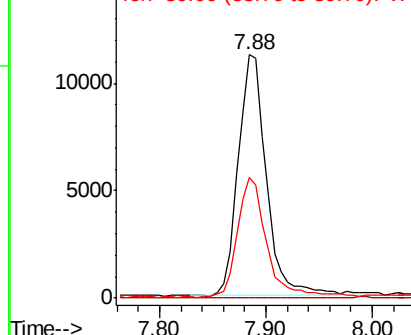
41 100

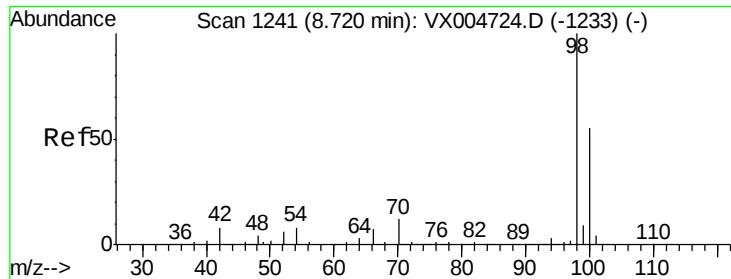
69 0.0 63.8 95.6#

39 53.9 40.7 61.1



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

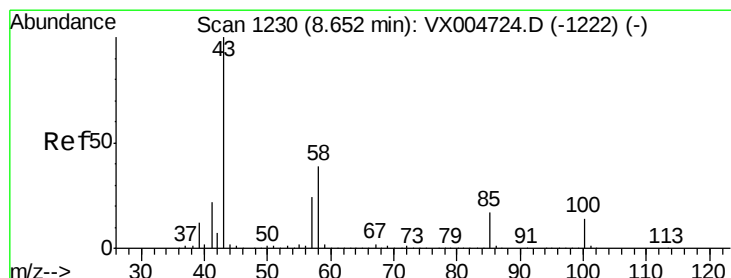
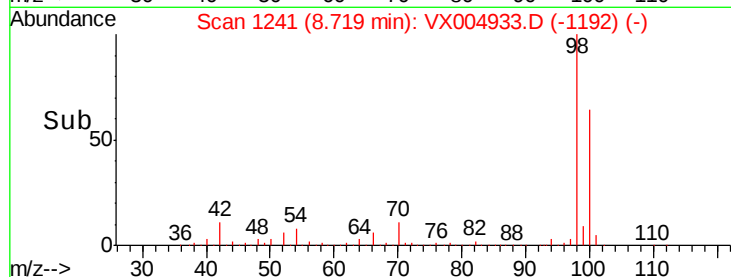
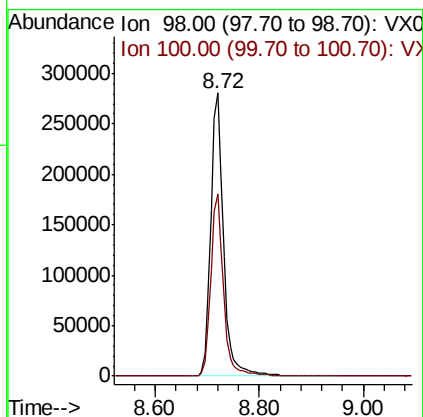
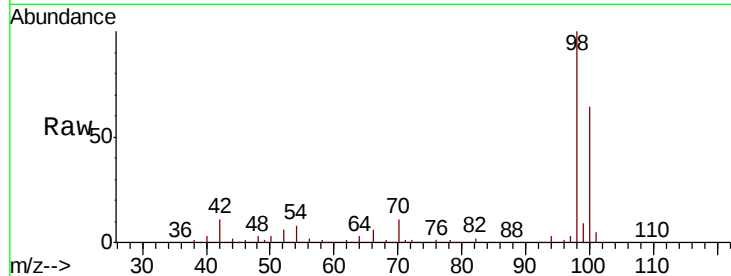




#50
Toluene-d8
Concen: 51.673 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

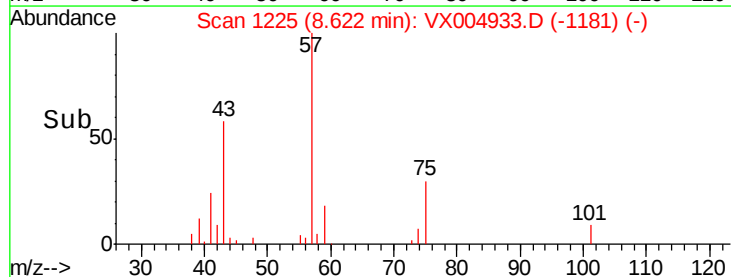
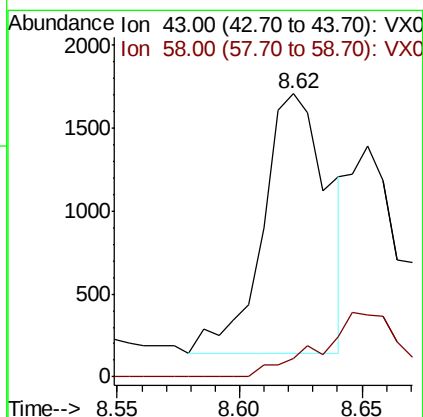
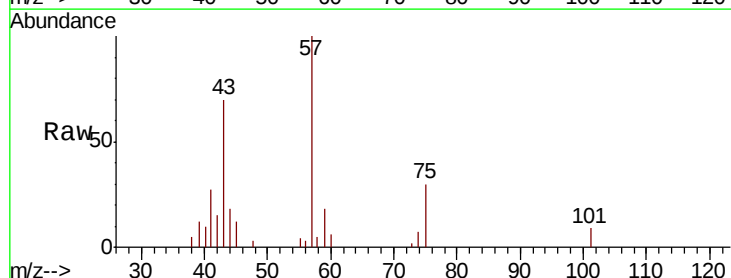
Instrument :
MSVOA_X
ClientSampleId :
PB113401ZHE#01

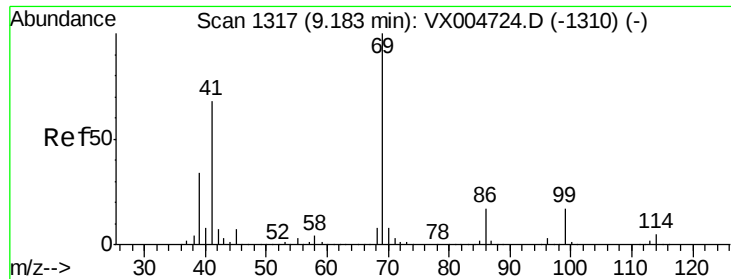
Tot Ion: 98 Resp: 478514
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.638 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#





#56

Ethyl methacrylate

Concen: 2.974 ug/l

RT: 9.41 min Scan# 1355

Delta R.T. 0.23 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

PB113401ZHE#01

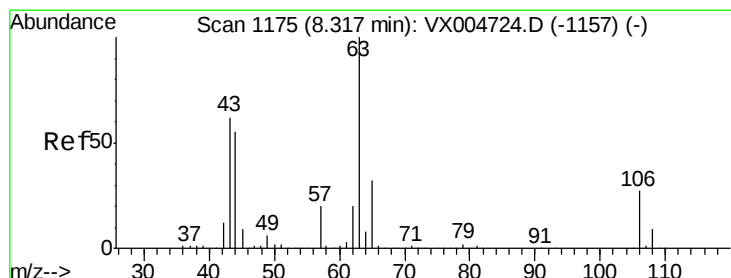
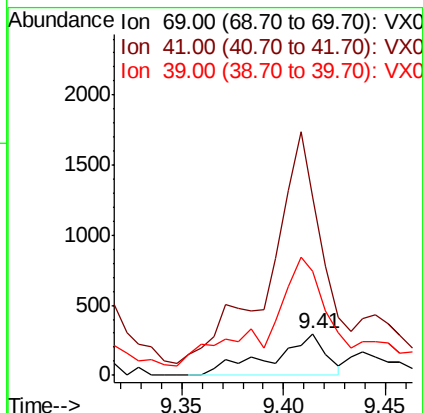
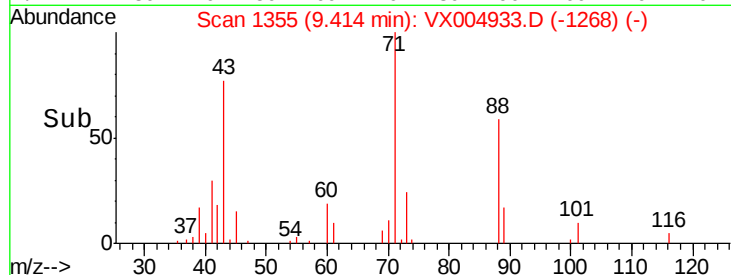
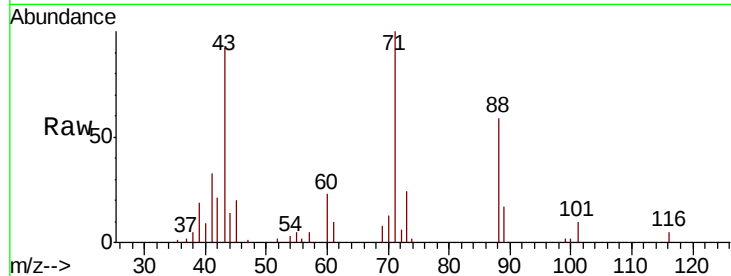
Tot Ion: 69 Resp: 553

Ion Ratio Lower Upper

69 100

41 530.2 56.9 85.3#

39 338.2 28.4 42.6#



#58

2-Chloroethyl Vinyl ether

Concen: 14.249 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004933.D

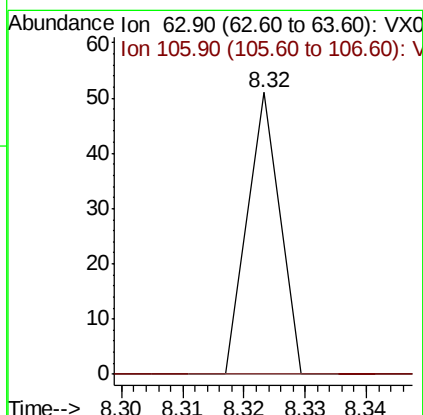
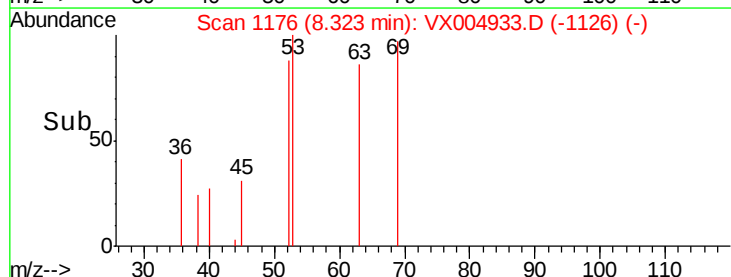
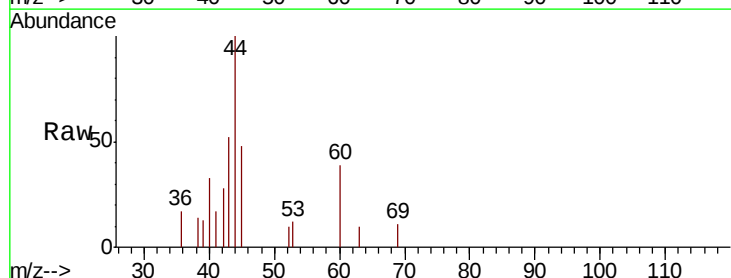
Acq: 02 Oct 2018 21:42

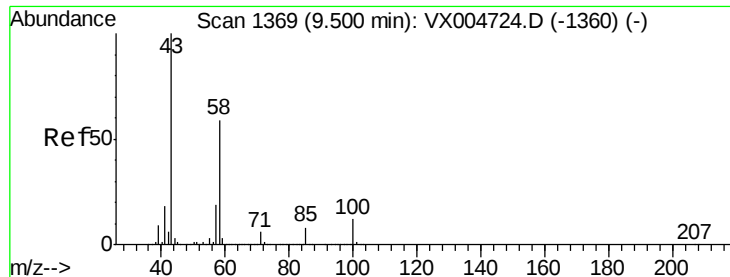
Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#

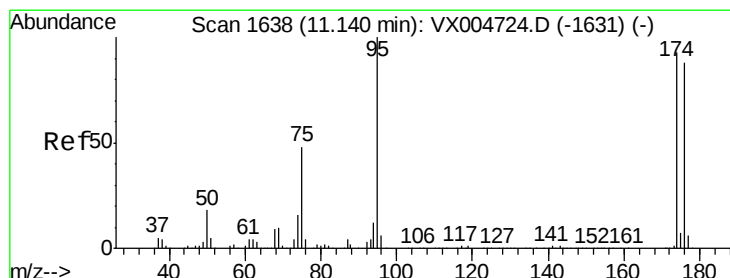
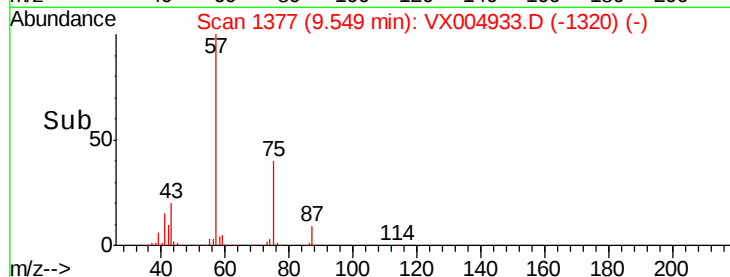
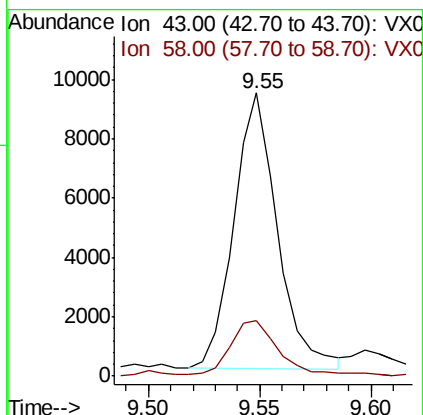
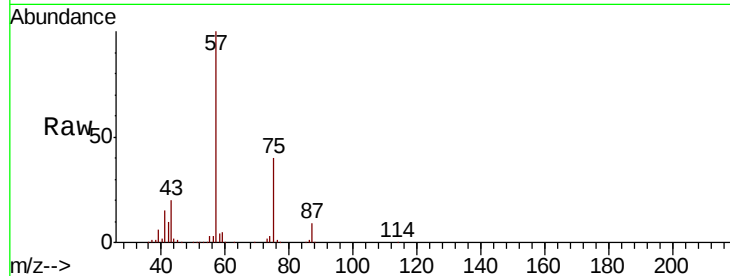




#59
2-Hexanone
Concen: 3.315 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

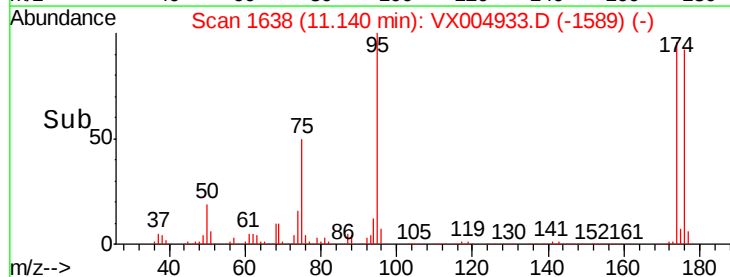
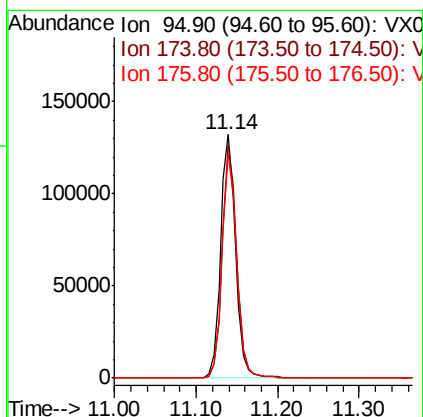
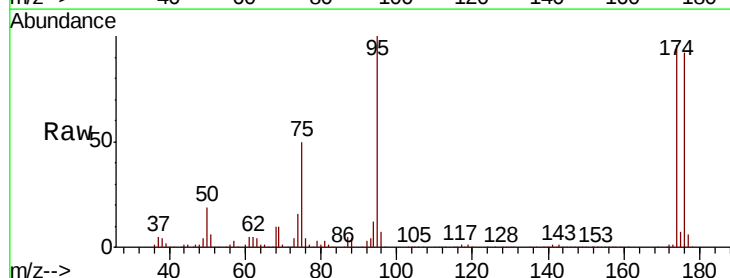
Instrument :
MSVOA_X
ClientSampleId :
PB113401ZHE#01

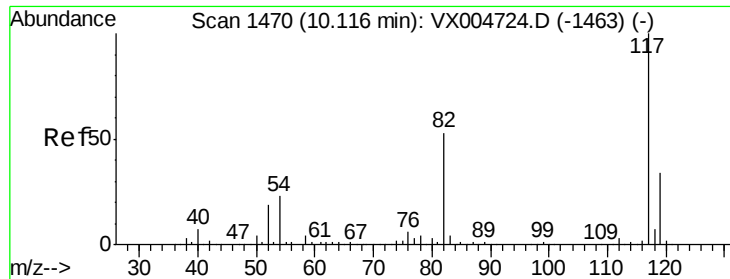
Tot Ion: 43 Resp: 12665
Ion Ratio Lower Upper
43 100
58 23.1 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 51.055 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Tgt Ion: 95 Resp: 170326
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.0
176 89.8 0.0 180.2

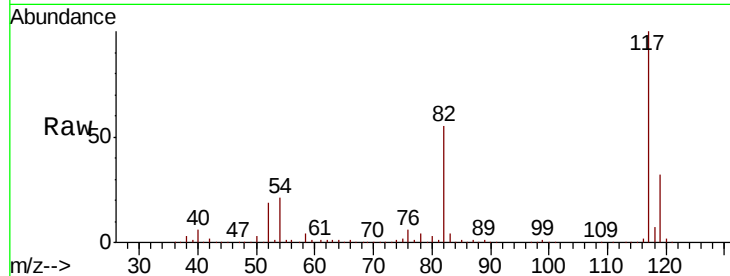




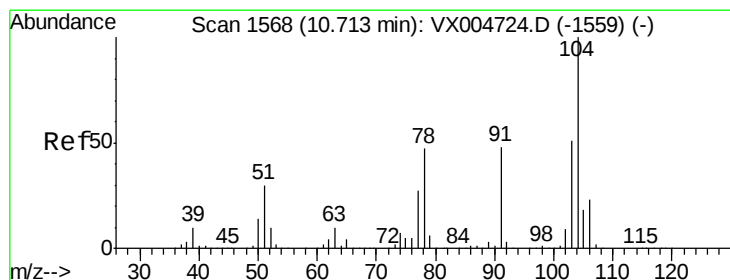
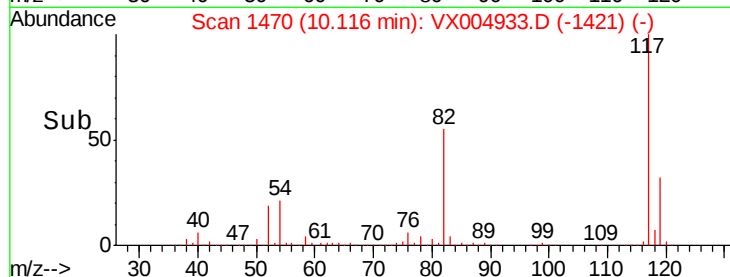
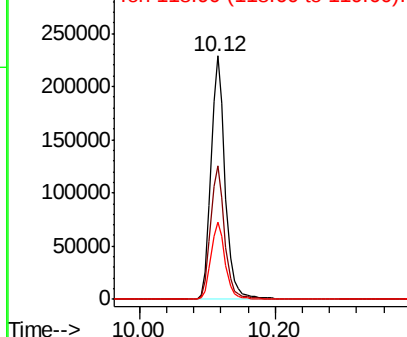
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
PB113401ZHE#01

Tot Ion:117 Resp: 330763
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.4
119 31.9 27.4 41.0

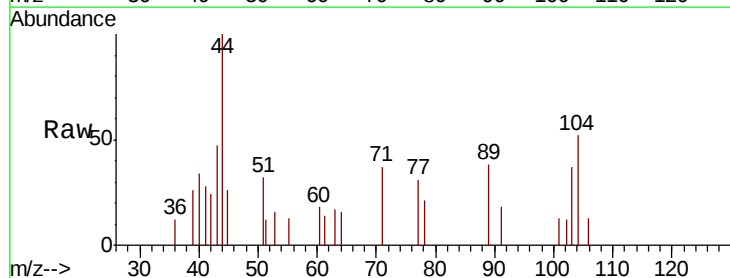


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

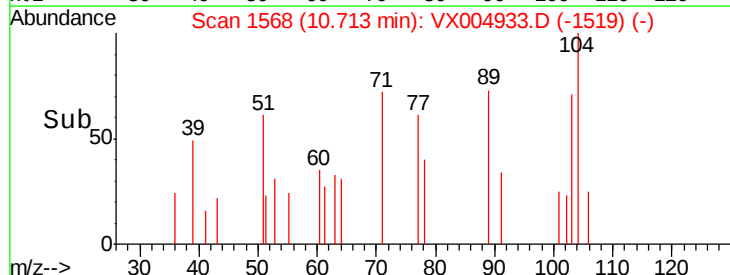
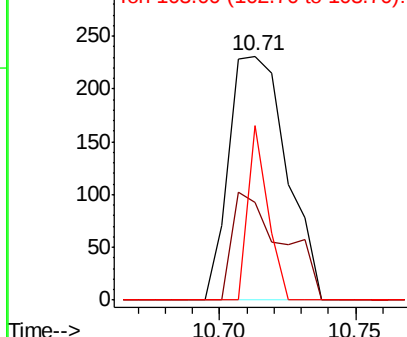


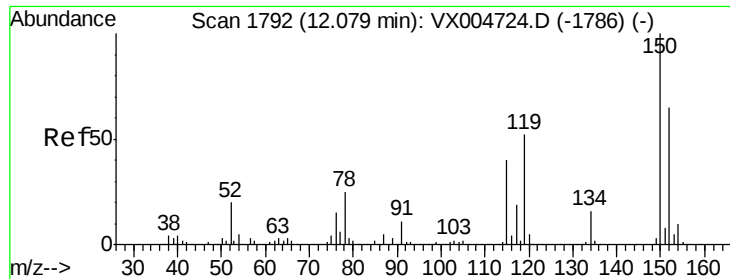
#70
Styrene
Concen: 2.177 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Tgt Ion:104 Resp: 342
Ion Ratio Lower Upper
104 100
78 38.6 40.0 60.0#
103 24.3 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



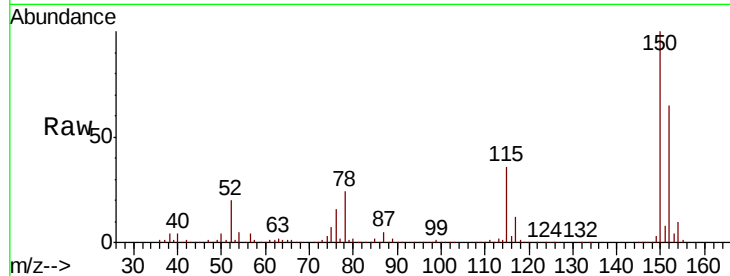


#72

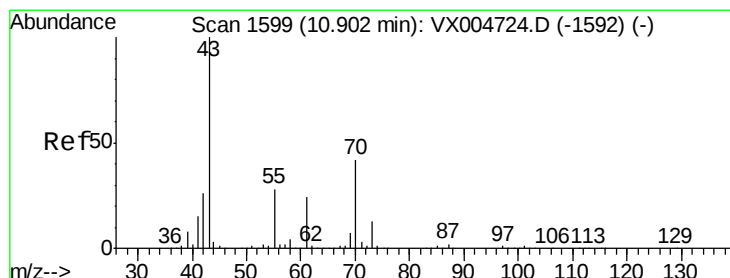
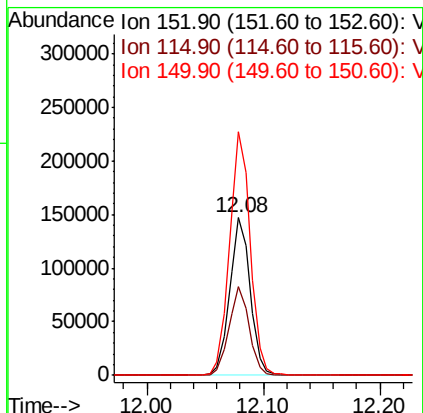
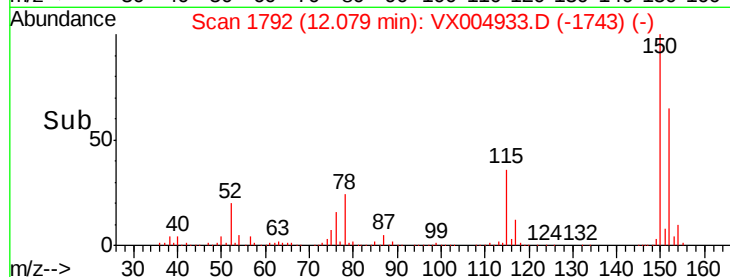
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Instrument :
MSVOA_X
ClientSampleId :
PB113401ZHE#01

Tot Ion:152 Resp: 179120
Ion Ratio Lower Upper
152 100
115 55.5 40.2 120.6
150 156.4 0.0 351.0



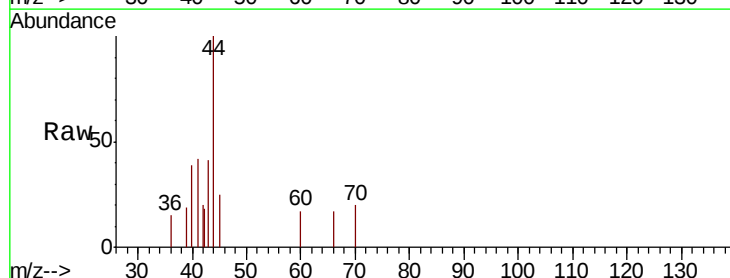
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



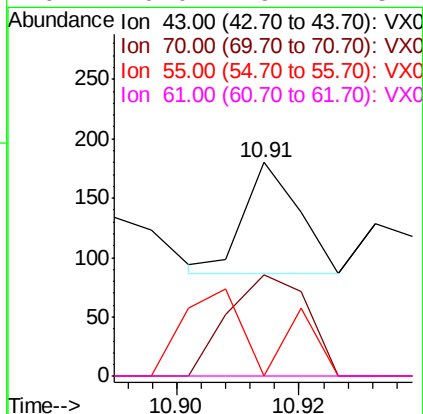
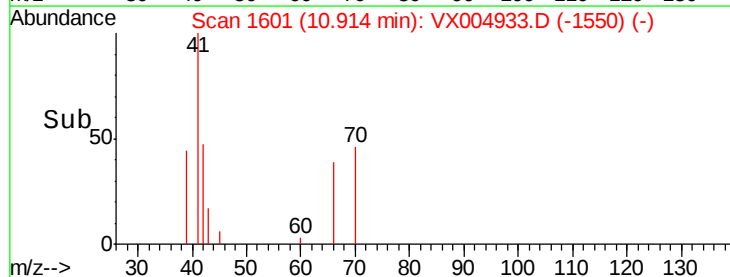
#74

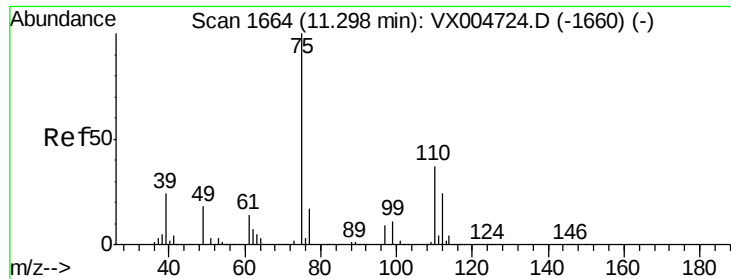
N-ethyl acetate
Concen: 1.757 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VX004933.D
Acq: 02 Oct 2018 21:42

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
70 135.1 32.6 48.8#
55 121.1 21.6 32.4#
61 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.187 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

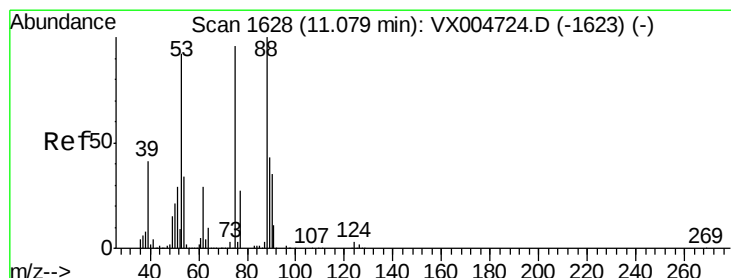
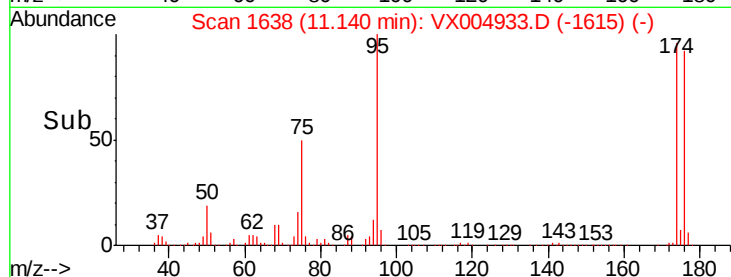
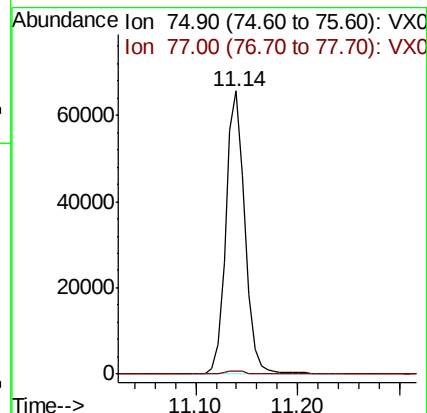
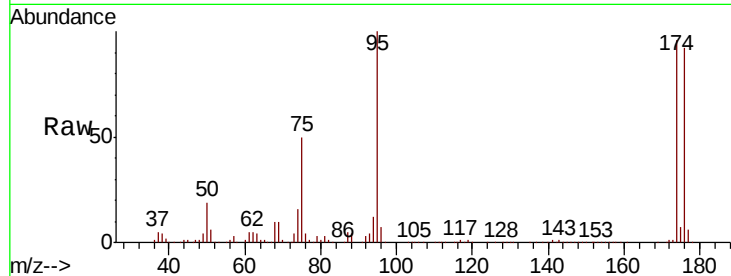
PB113401ZHE#01

Tot Ion: 75 Resp: 85059

Ion Ratio Lower Upper

75 100

77 1.5 21.4 64.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.475 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

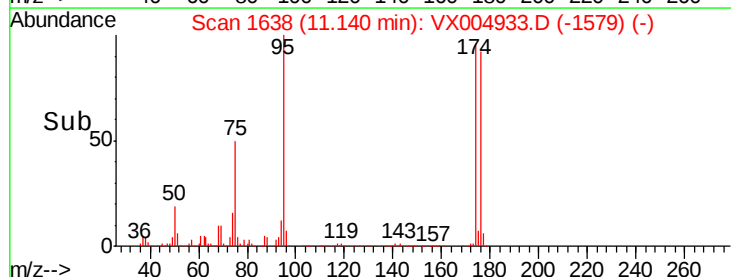
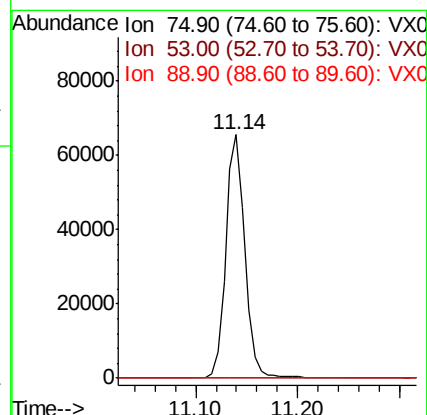
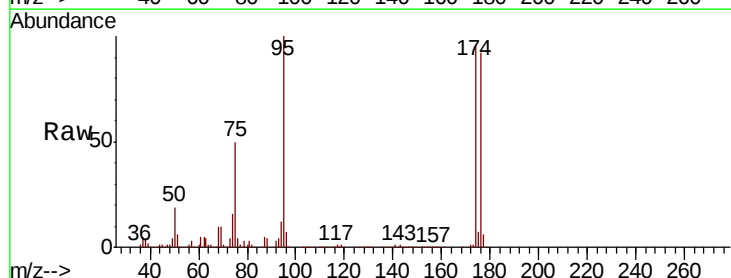
Tgt Ion: 75 Resp: 85059

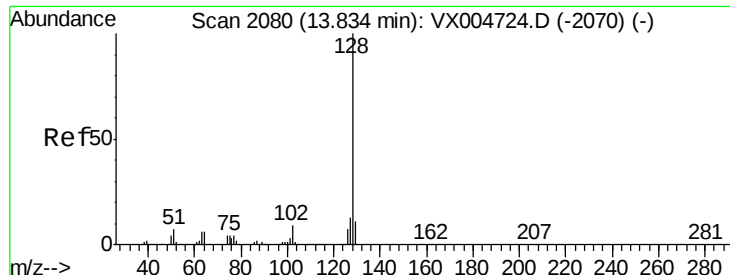
Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.769 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004933.D

Acq: 02 Oct 2018 21:42

Instrument :

MSVOA_X

ClientSampleId :

PB113401ZHE#01

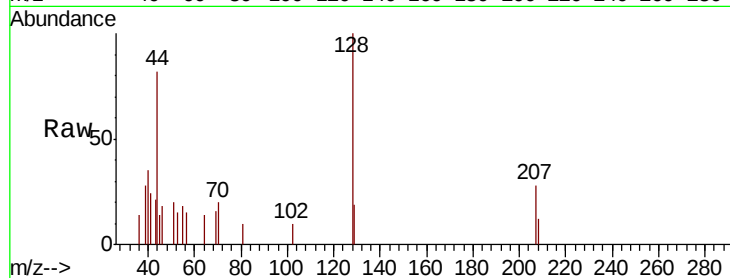
Tot Ion:128 Resp: 747

Ion Ratio Lower Upper

128 100

127 3.5 10.4 15.6#

129 10.7 8.7 13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

