

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004931.D
 Acq On : 02 Oct 2018 20:48
 Operator : JC/MD
 Sample : PB113364ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113364ZHE#08

Quant Time: Oct 03 04:44:09 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	202498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172367	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	158199	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
35) Dibromofluoromethane	5.51	113	134860	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.72	98	492049	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.14	95	169048	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	

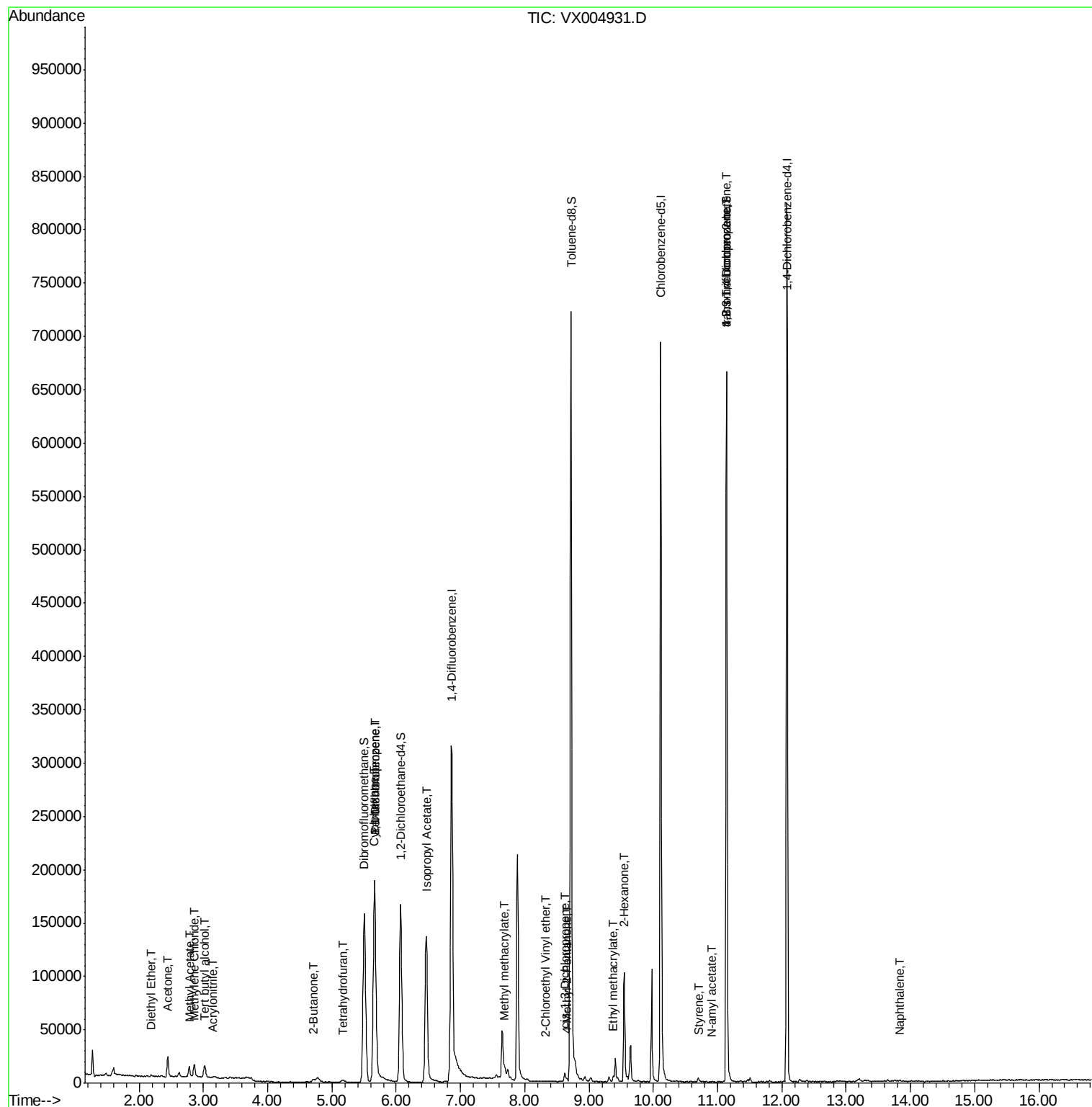
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	1960	Below Cal		91
8) Diethyl Ether	2.19	74	506	0.299	ug/l #	48
11) Tert butyl alcohol	3.03	59	7034	8.697	ug/l #	79
15) Acrylonitrile	3.15	53	383	0.215	ug/l #	42
16) Acetone	2.45	43	20015	11.852	ug/l	98
18) Methyl Acetate	2.78	43	12623	2.950	ug/l	100
20) Methylene Chloride	2.85	84	5119	1.267	ug/l #	85
25) 2-Butanone	4.71	43	4738	1.903	ug/l #	88
29) Tetrahydrofuran	5.17	42	2098	1.356	ug/l #	78
31) Cyclohexane	5.65	56	3570	0.970	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	14183	3.639	ug/l #	46
43) Isopropyl Acetate	6.46	43	194788	26.082	ug/l	98
48) Methyl methacrylate	7.69	41	9186	2.710	ug/l #	24
51) 4-Methyl-2-Pentanone	8.65	43	1238	0.263	ug/l #	37
54) cis-1,3-Dichloropropene	8.63	75	1226	0.294	ug/l #	60
56) Ethyl methacrylate	9.38	69	173	2.896	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.33	63	144	14.296	ug/l #	49
59) 2-Hexanone	9.55	43	12356	3.153	ug/l #	54
70) Styrene	10.71	104	240	2.165	ug/l	96
74) N-amyl acetate	10.90	43	152	1.772	ug/l #	57
76) 1,2,3-Trichloropropane	11.14	75	85226	22.060	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	1325	Below Cal		98
81) trans-1,4-Dichloro-2-buten	11.14	75	85226	59.762	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	595	Below Cal		76
95) Naphthalene	13.83	128	822	0.776	ug/l #	77

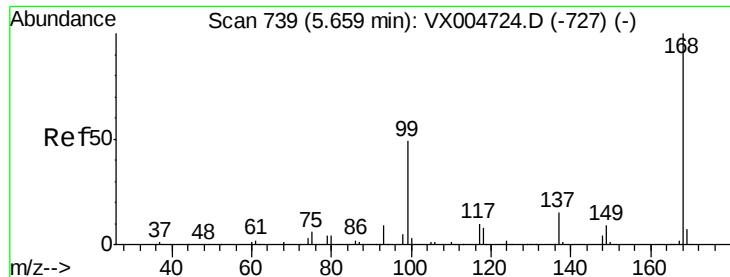
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100318\
Data File : VX004931.D
Acq On : 02 Oct 2018 20:48
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Sample : PB113364ZHE#08
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Quant Time: Oct 03 04:44:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

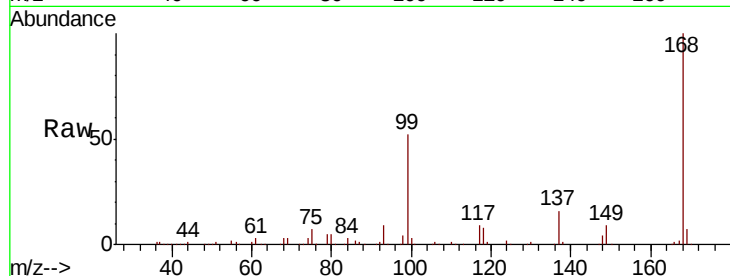
PB113364ZHE#08

Tot Ion:168 Resp: 202498

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

5.67

60000

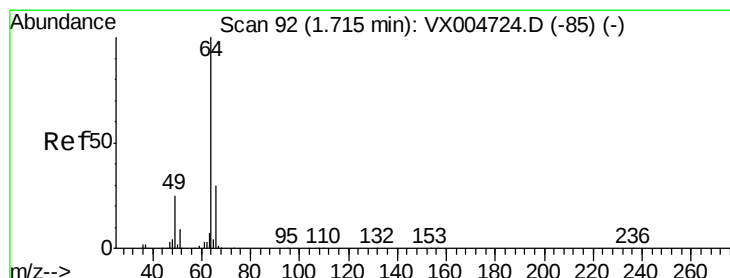
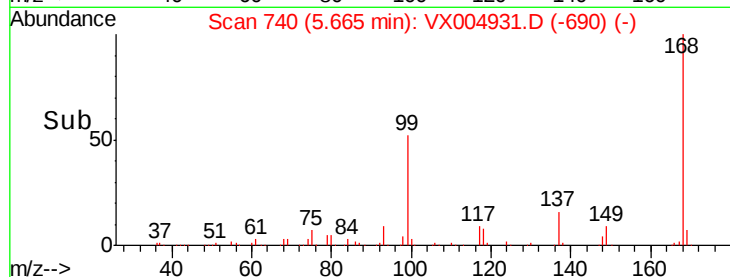
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX004931.D

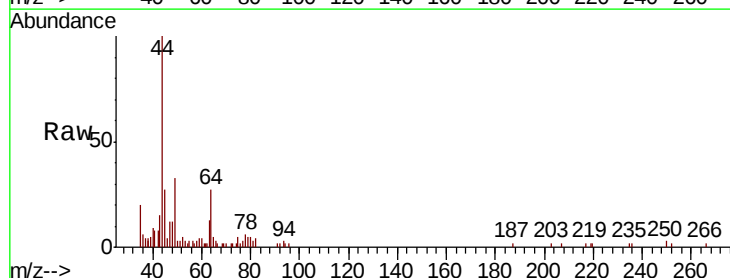
Acq: 02 Oct 2018 20:48

Tgt Ion: 64 Resp: 1960

Ion Ratio Lower Upper

64 100

66 24.7 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.60

1000

800

600

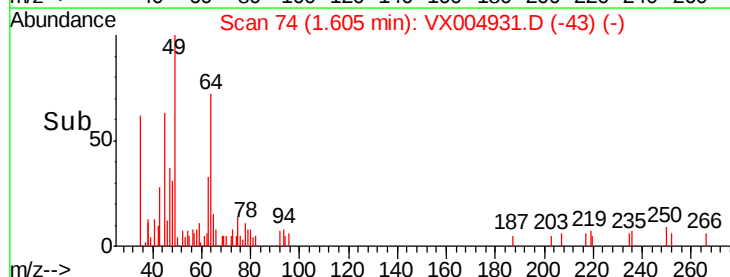
400

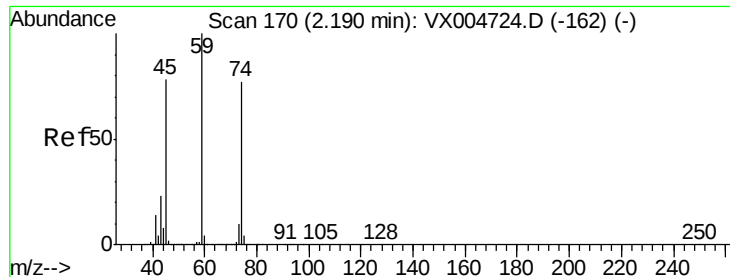
200

0

1.50 1.55 1.60 1.65

Time-->





#8

Diethyl Ether

Concen: 0.299 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

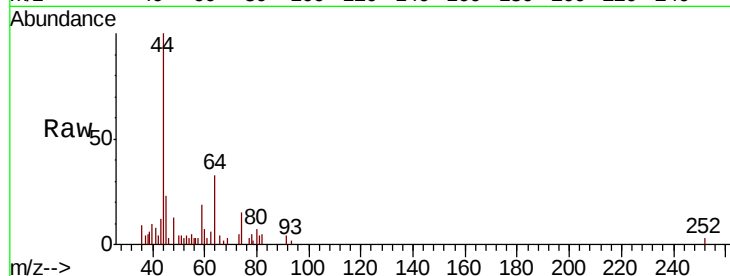
PB113364ZHE#08

Tot Ion: 74 Resp: 506

Ion Ratio Lower Upper

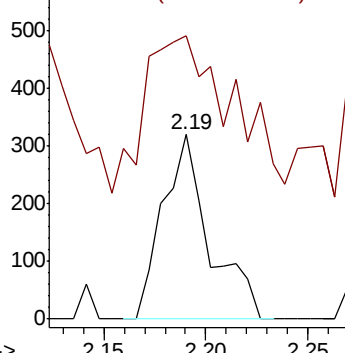
74 100

45 158.7 52.5 157.6#

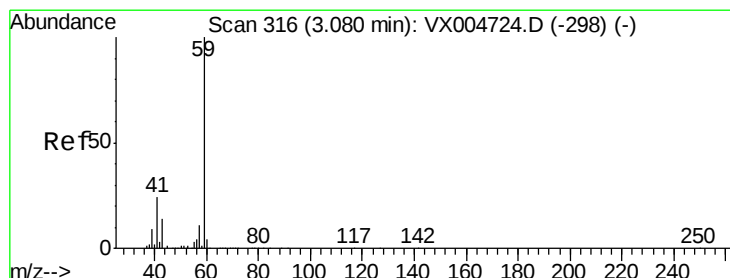
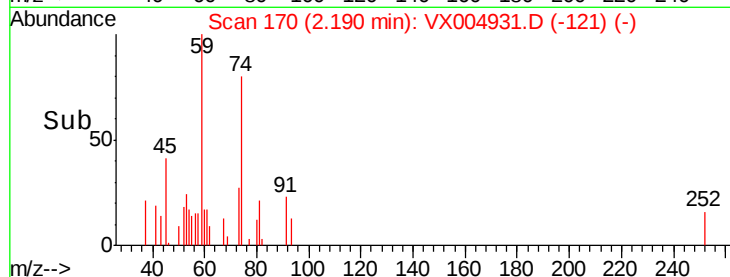


Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#11

Tert butyl alcohol

Concen: 8.697 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX004931.D

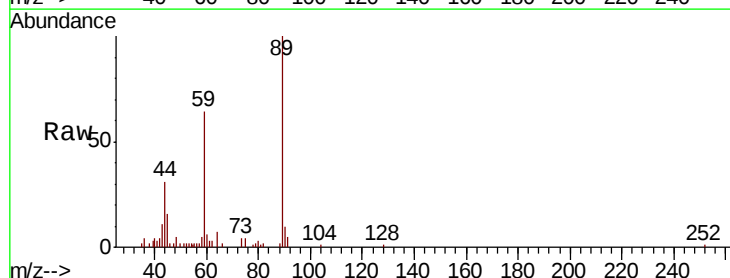
Acq: 02 Oct 2018 20:48

Tgt Ion: 59 Resp: 7034

Ion Ratio Lower Upper

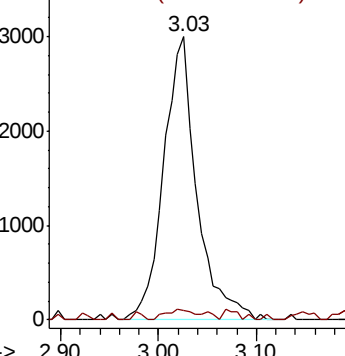
59 100

57 2.8 8.6 12.8#

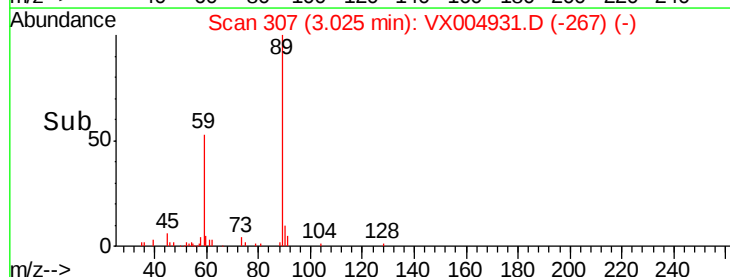


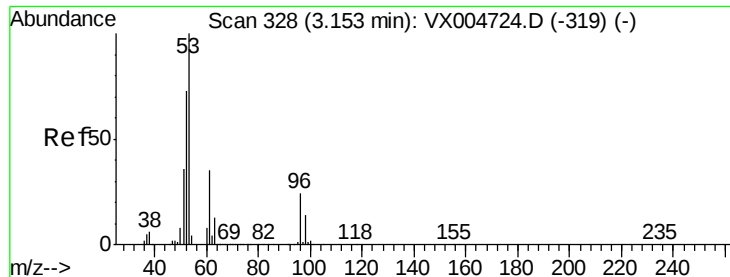
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#15

Acrylonitrile

Concen: 0.215 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

PB113364ZHE#08

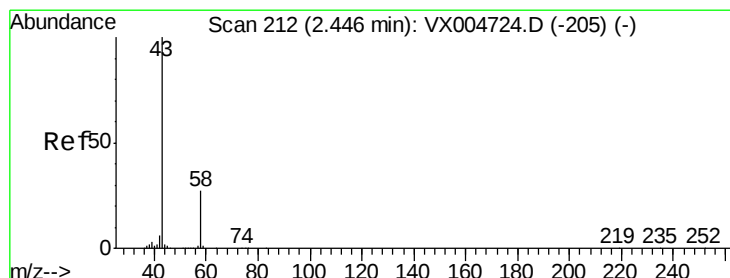
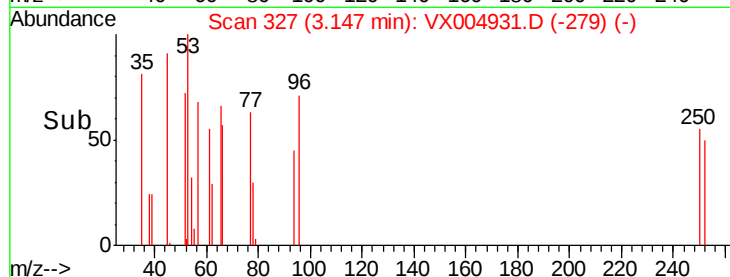
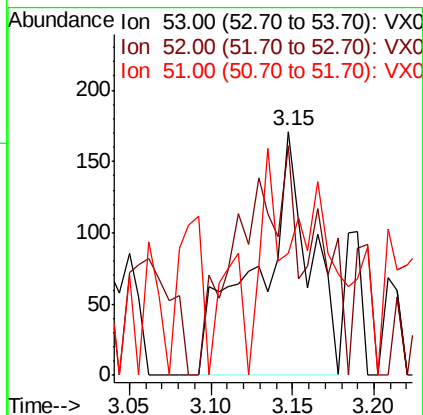
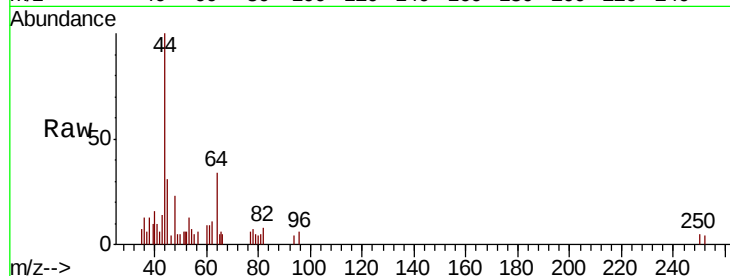
Tot Ion: 53 Resp: 383

Ion Ratio Lower Upper

53 100

52 27.2 63.0 94.4#

51 67.9 28.6 42.8#



#16

Acetone

Concen: 11.852 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004931.D

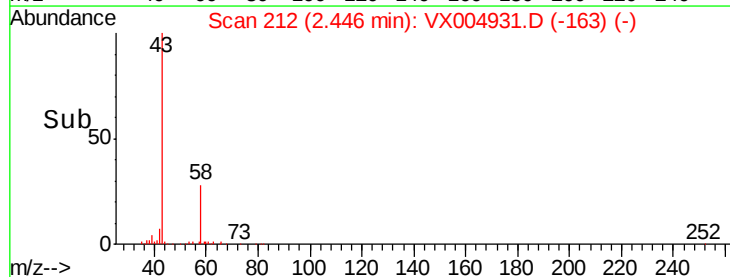
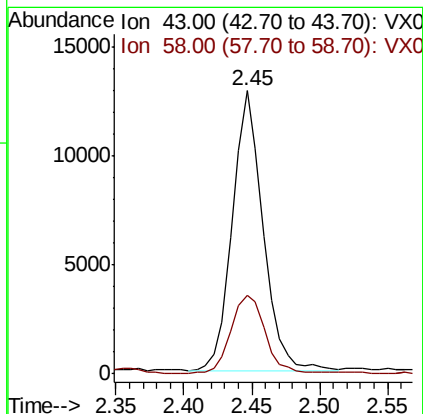
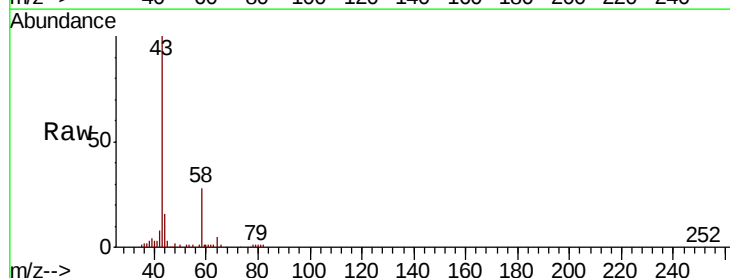
Acq: 02 Oct 2018 20:48

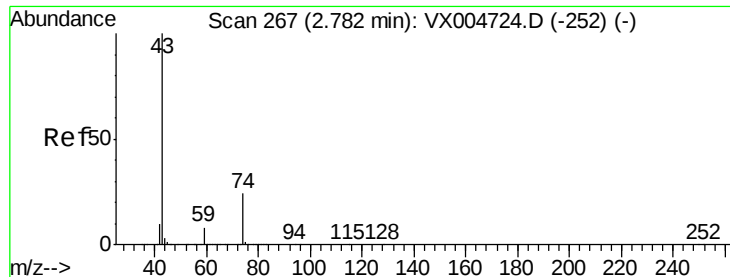
Tgt Ion: 43 Resp: 20015

Ion Ratio Lower Upper

43 100

58 28.3 21.8 32.6

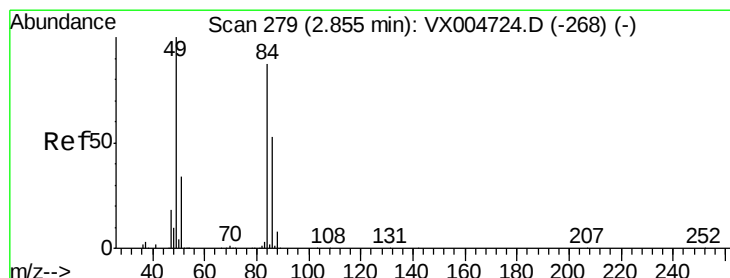
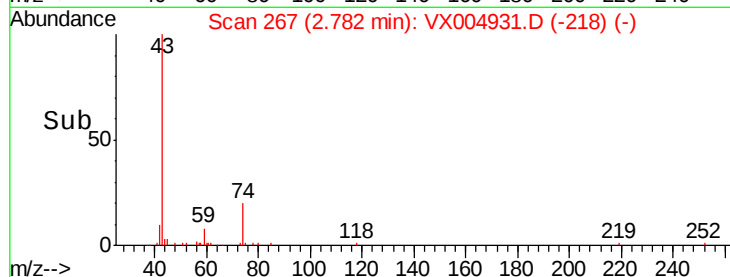
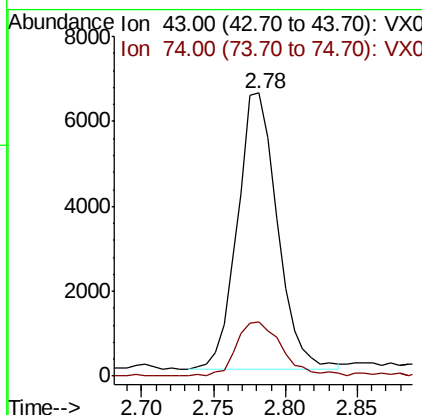
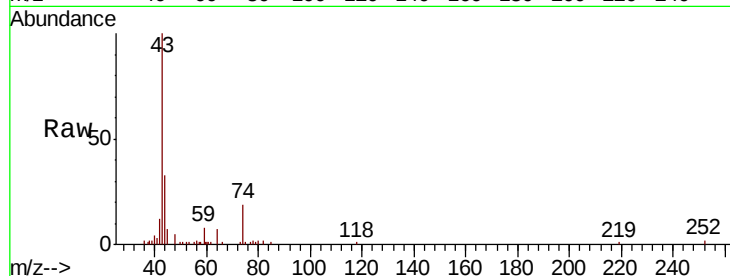




#18
Methvl Acetate
Concen: 2.950 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

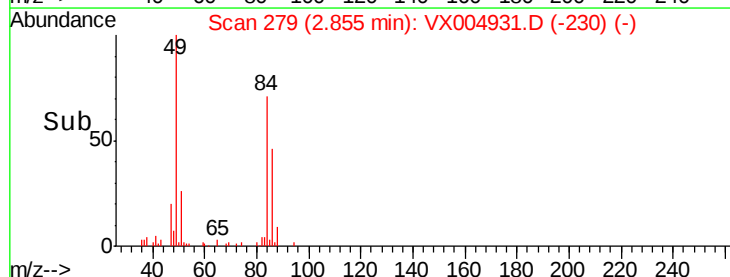
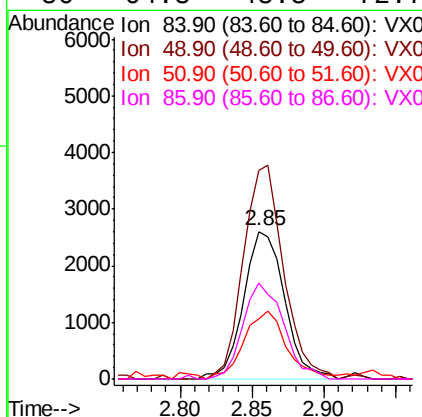
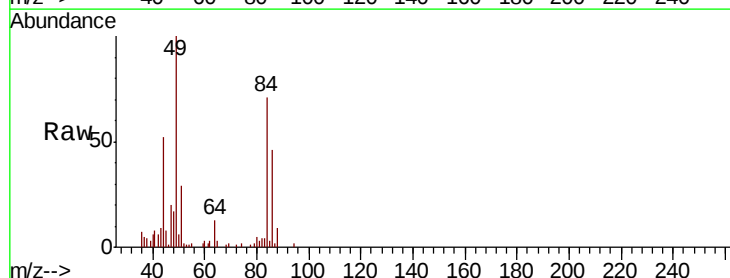
Instrument :
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ClientSampleId :
PB113364ZHE#08

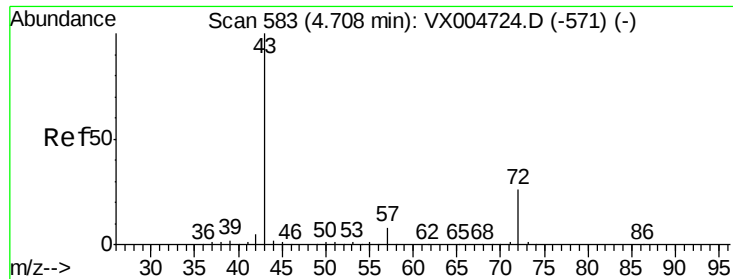
Tot Ion: 43 Resp: 12623
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



#20
Methylene Chloride
Concen: 1.267 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Tgt Ion: 84 Resp: 5119
Ion Ratio Lower Upper
84 100
49 140.9 92.3 138.5#
51 38.0 31.8 47.6
86 64.8 48.5 72.7

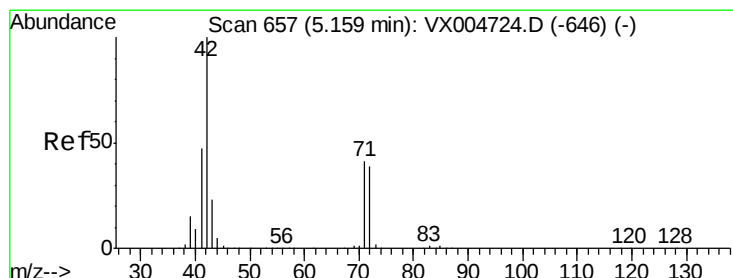
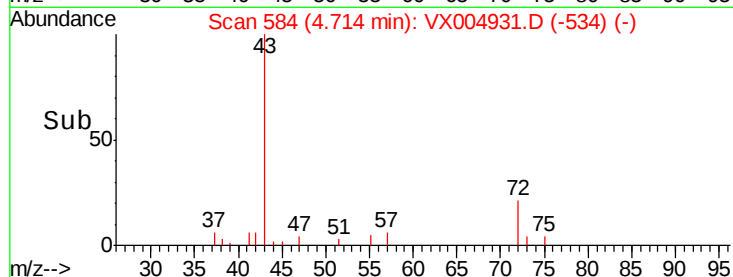
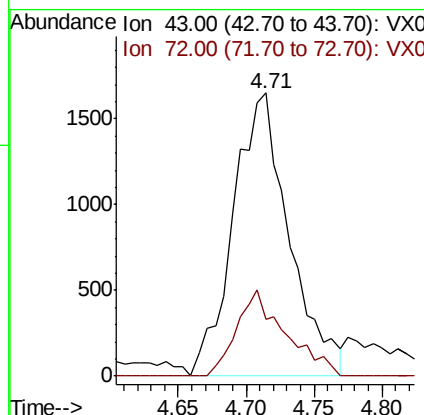
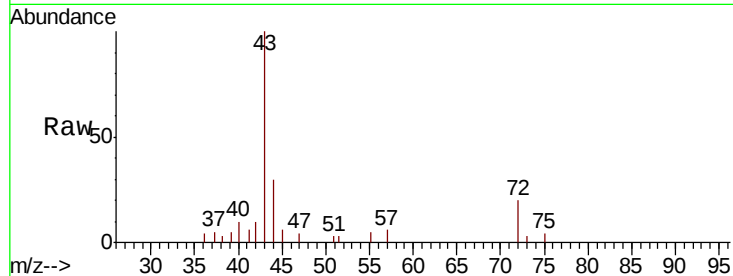




#25
2-Butanone
Concen: 1.903 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

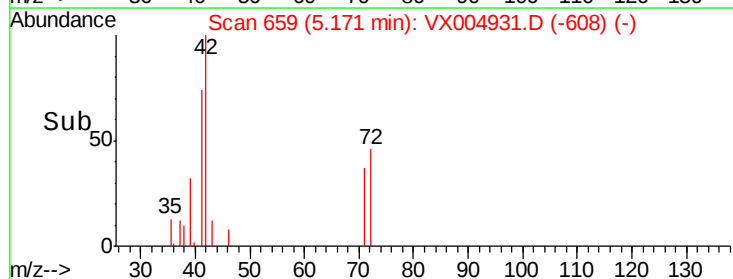
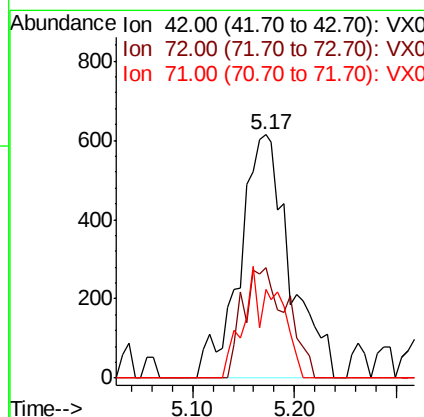
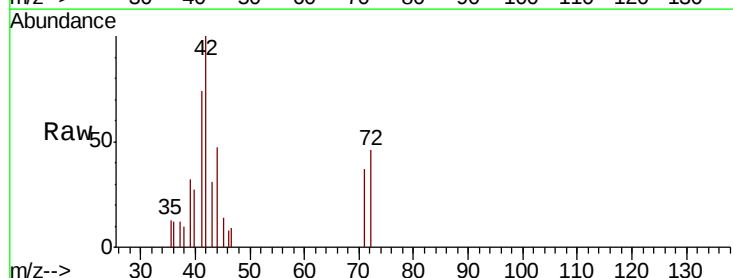
Instrument :
MSVOA_X
ClientSampleId :
PB113364ZHE#08

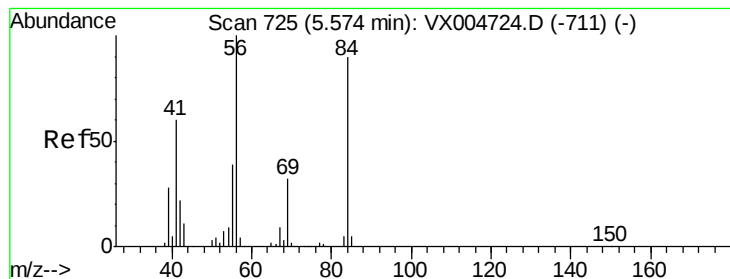
Tot Ion: 43 Resp: 4738
Ion Ratio Lower Upper
43 100
72 20.1 20.8 31.2#



#29
Tetrahydrofuran
Concen: 1.356 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Tgt Ion: 42 Resp: 2098
Ion Ratio Lower Upper
42 100
72 39.6 33.7 50.5
71 14.6 32.2 48.4#





#31

Cyclohexane

Concen: 0.970 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

PB113364ZHE#08

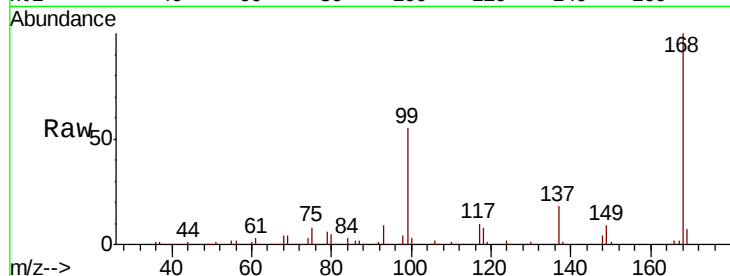
Tot Ion: 56 Resp: 3570

Ion Ratio Lower Upper

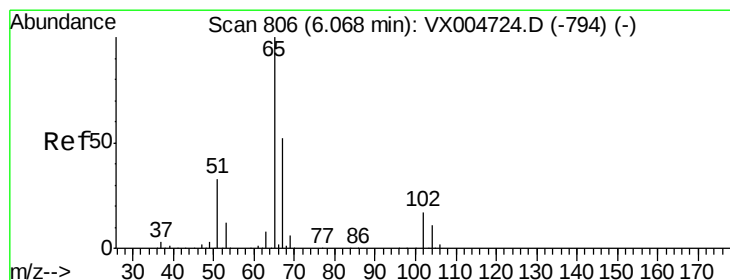
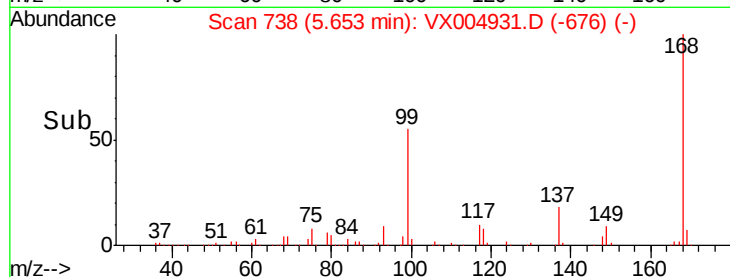
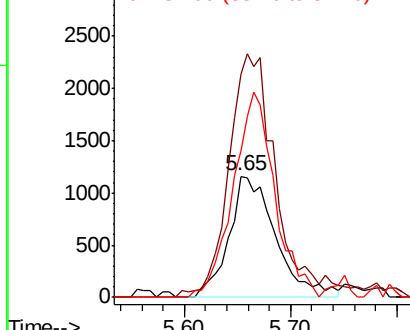
56 100

69 178.9 25.9 38.9#

84 120.7 71.9 107.9#



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: 54.689 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004931.D

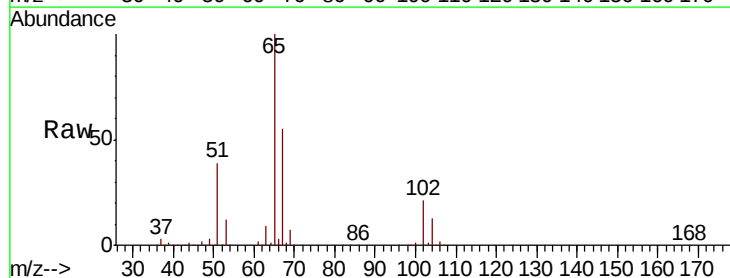
Acq: 02 Oct 2018 20:48

Tgt Ion: 65 Resp: 158199

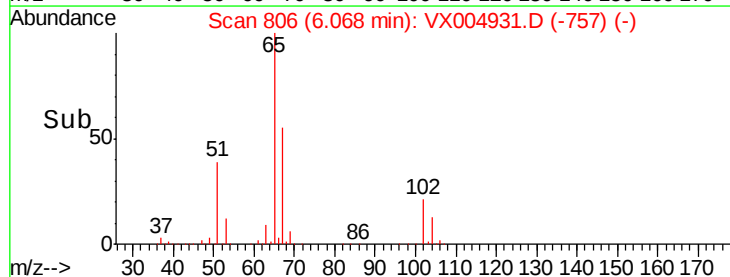
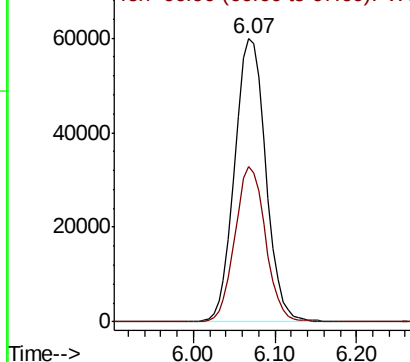
Ion Ratio Lower Upper

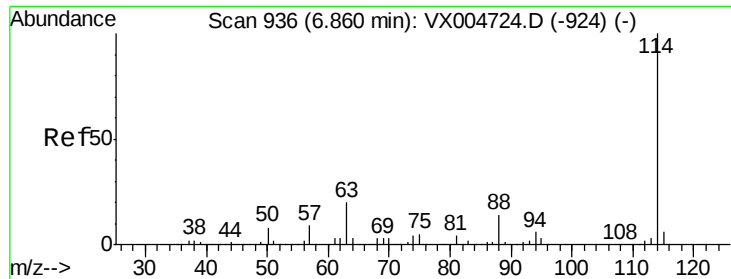
65 100

67 53.8 0.0 107.4



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

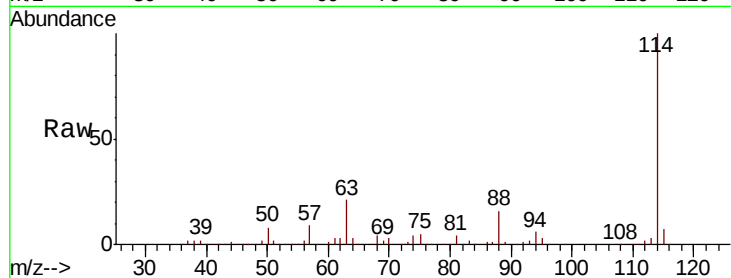




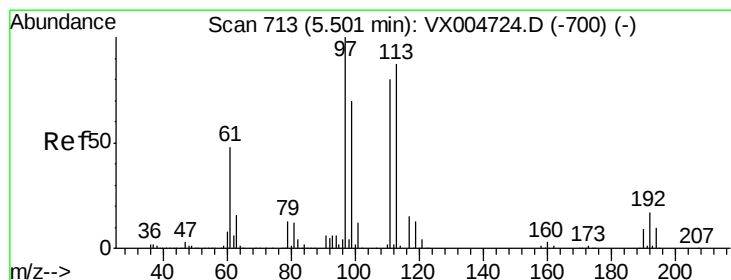
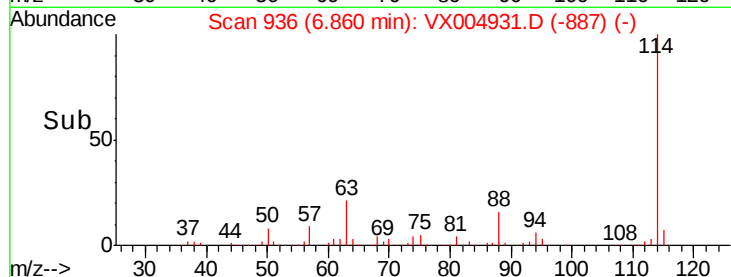
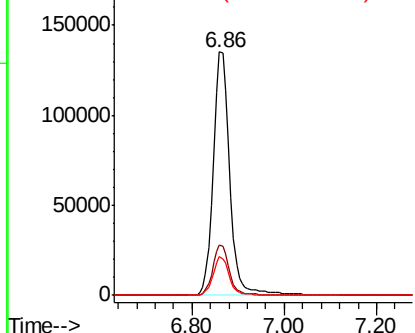
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004931.D
 Acq: 02 Oct 2018 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113364ZHE#08

Tot Ion:114 Resp: 337104
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.8
 88 15.7 0.0 27.0

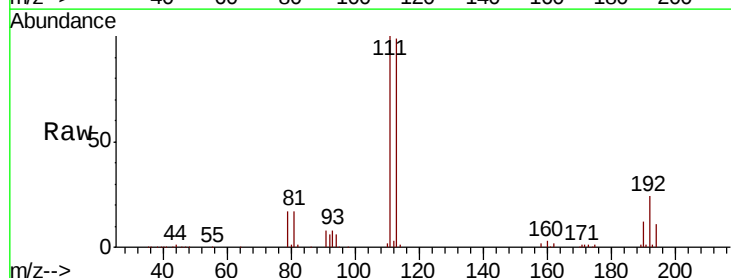


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

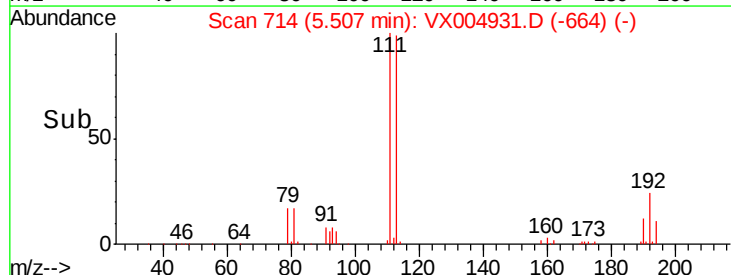
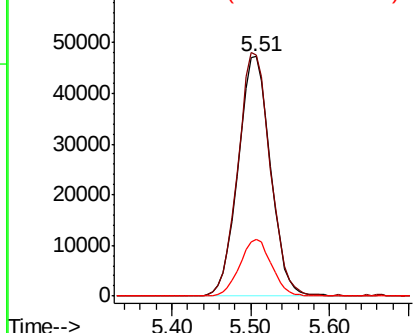


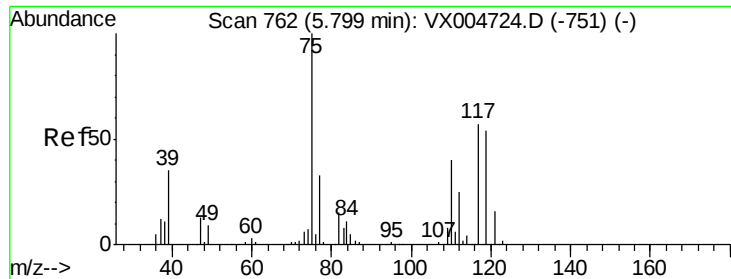
#35
 Dibromofluoromethane
 Concen: 47.203 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004931.D
 Acq: 02 Oct 2018 20:48

Tgt Ion:113 Resp: 134860
 Ion Ratio Lower Upper
 113 100
 111 101.6 77.0 115.4
 192 23.4 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

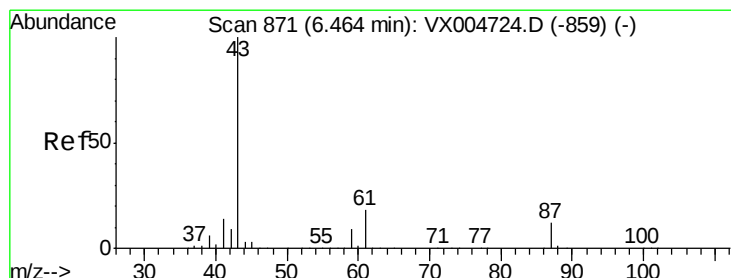
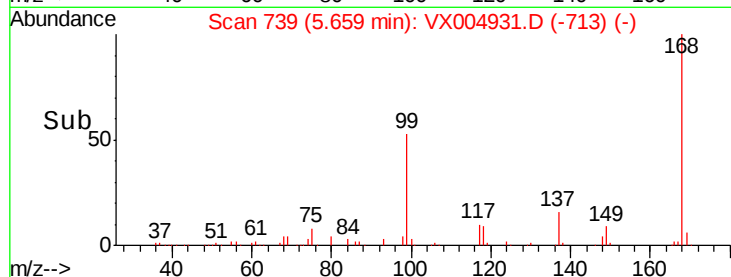
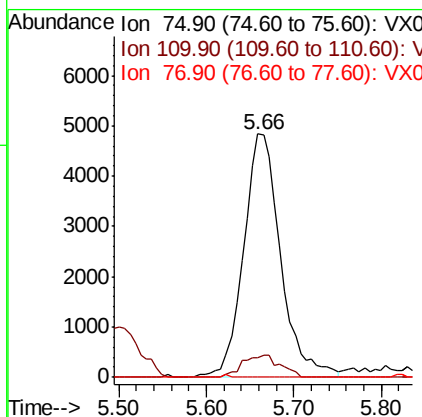
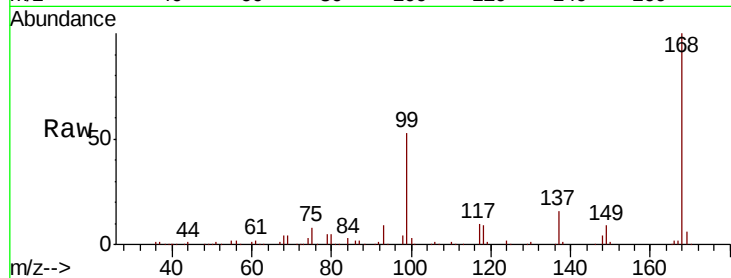




#36
 1,1-Dichloropropene
 Concen: 3.639 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004931.D
 Acq: 02 Oct 2018 20:48

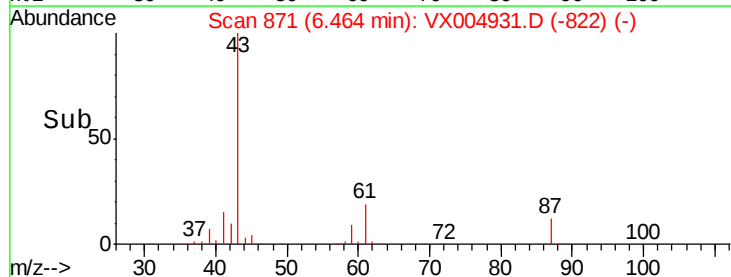
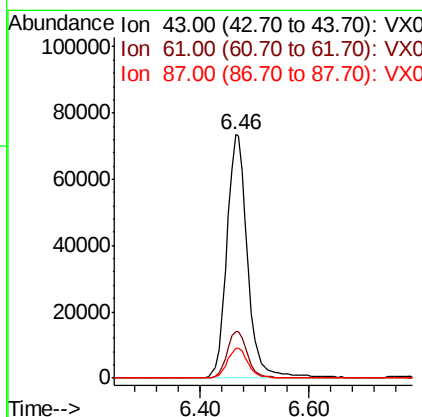
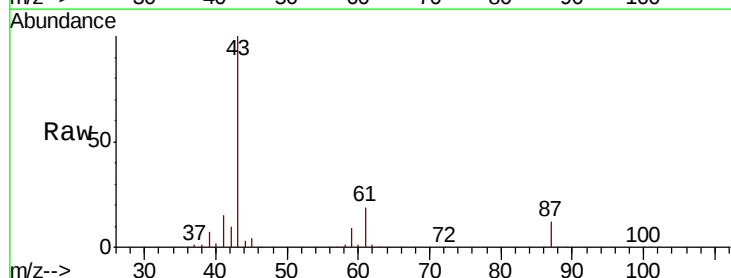
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113364ZHE#08

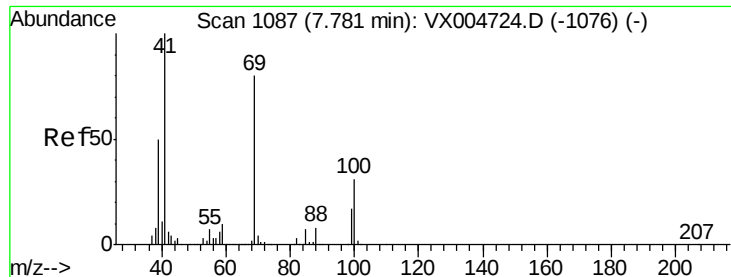
Tot Ion: 75 Resp: 14183
 Ion Ratio Lower Upper
 75 100
 110 9.3 20.0 59.9#
 77 0.0 27.1 40.7#



#43
 Isopropyl Acetate
 Concen: 26.082 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004931.D
 Acq: 02 Oct 2018 20:48

Tgt Ion: 43 Resp: 194788
 Ion Ratio Lower Upper
 43 100
 61 18.9 14.2 21.4
 87 12.3 9.3 13.9

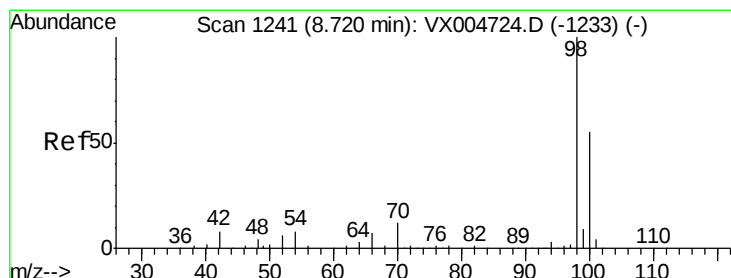
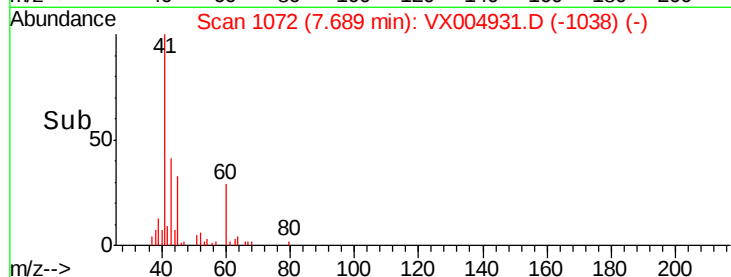
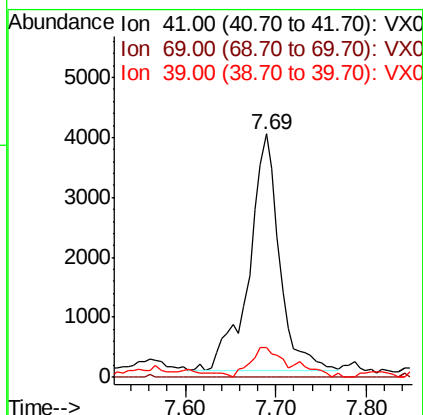
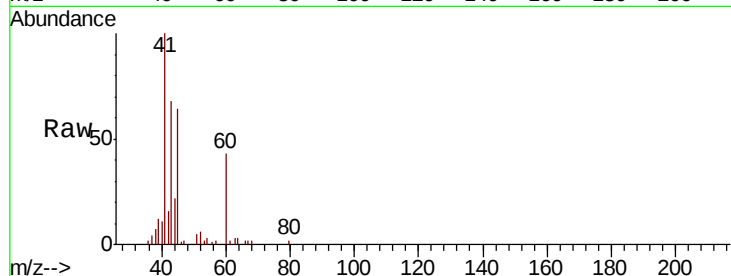




#48
Methyl methacrylate
Concen: 2.710 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

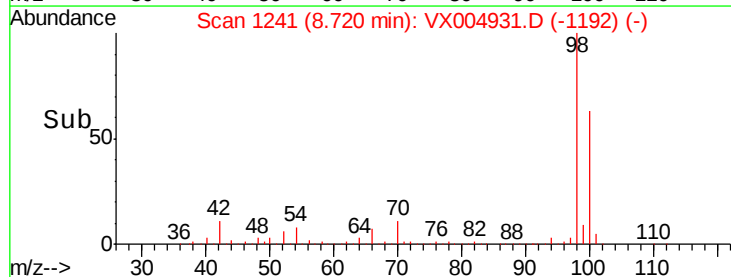
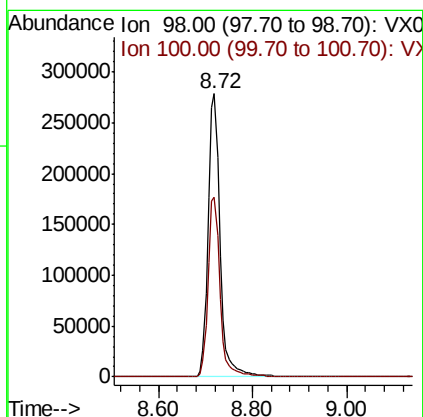
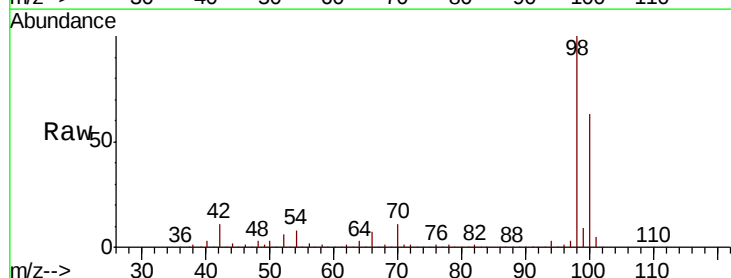
Instrument :
MSVOA_X
ClientSampleId :
PB113364ZHE#08

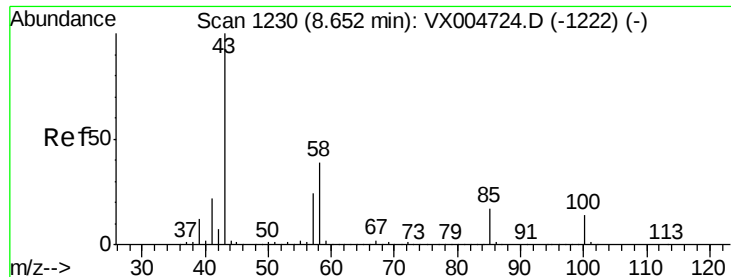
Tot Ion: 41 Resp: 9186
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 13.1 40.7 61.1#



#50
Toluene-d8
Concen: 51.805 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Tgt Ion: 98 Resp: 492049
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.263 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

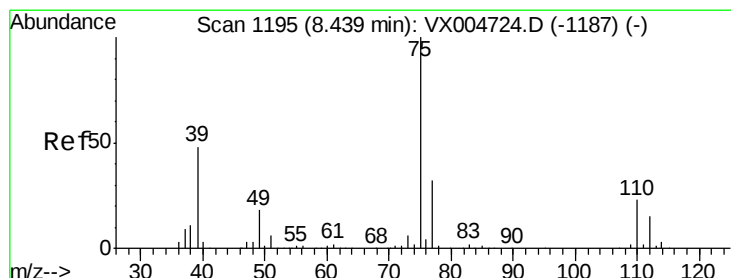
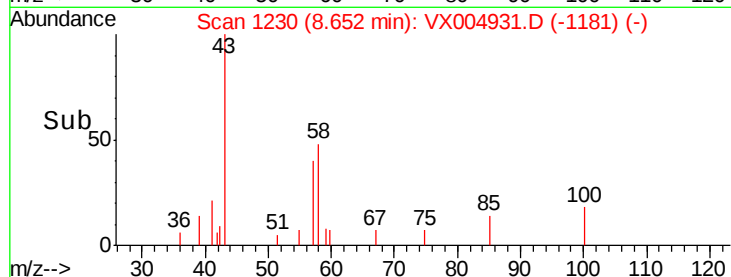
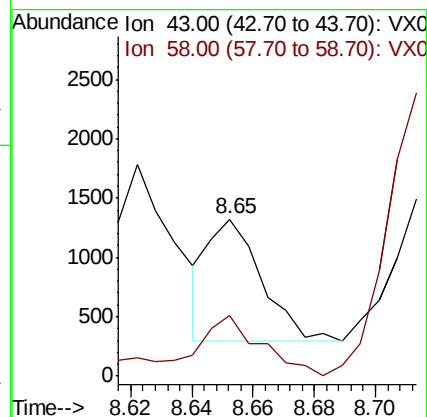
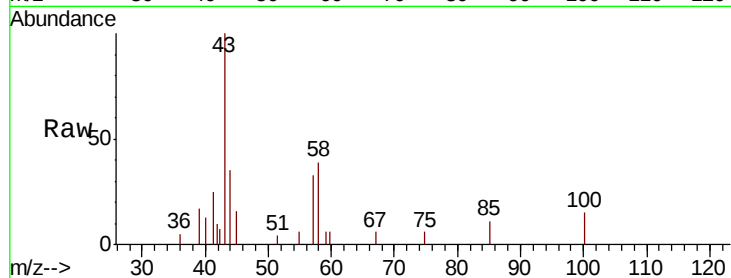
PB113364ZHE#08

Tot Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

58 76.3 30.5 45.7#



#54

cis-1,3-Dichloropropene

Concen: 0.294 ug/l

RT: 8.63 min Scan# 1226

Delta R.T. 0.19 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

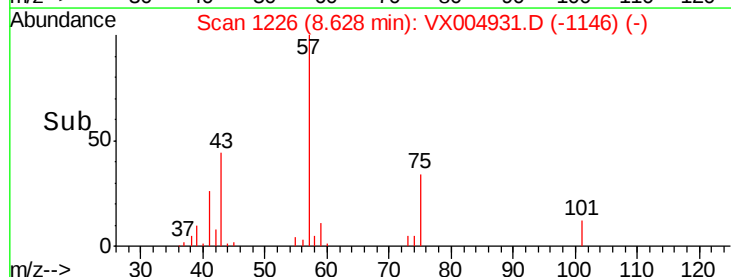
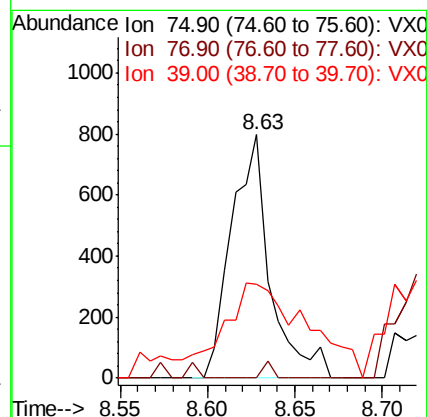
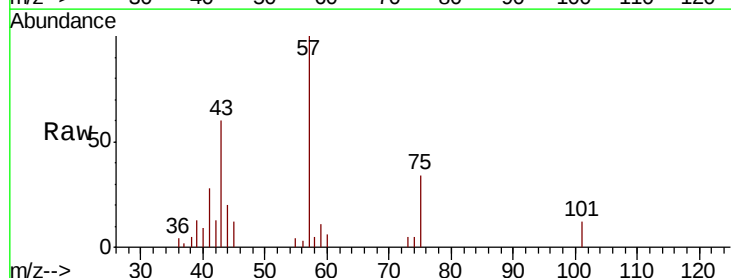
Tgt Ion: 75 Resp: 1226

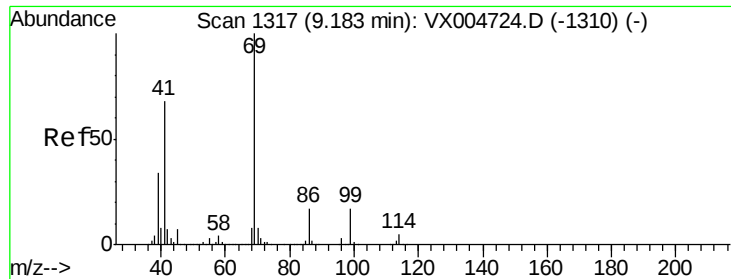
Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

39 28.8 38.3 57.5#





#56

Ethyl methacrylate

Concen: 2.896 ug/l

RT: 9.38 min Scan# 1349

Delta R.T. 0.20 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

PB113364ZHE#08

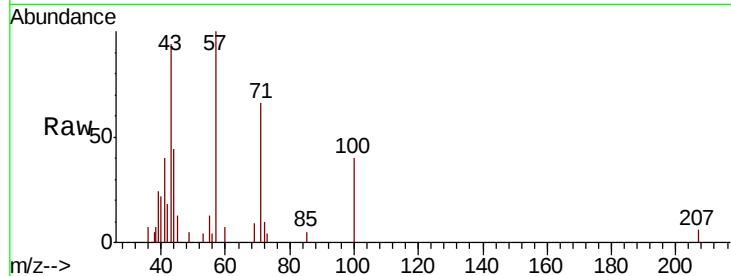
Tot Ion: 69 Resp: 173

Ion Ratio Lower Upper

69 100

41 316.8 56.9 85.3#

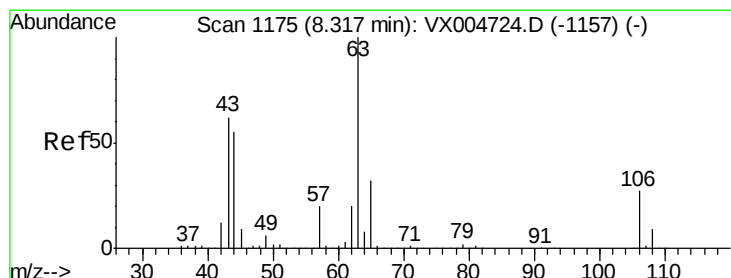
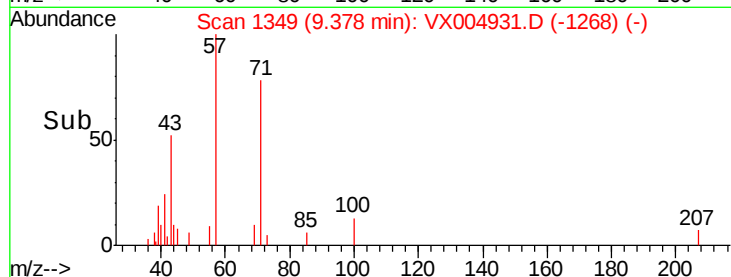
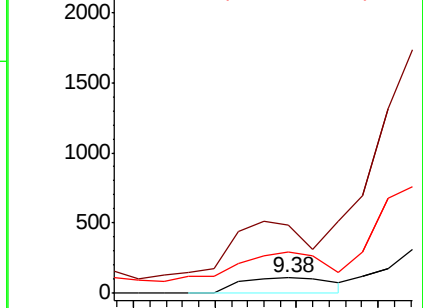
39 174.0 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.296 ug/l

RT: 8.33 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX004931.D

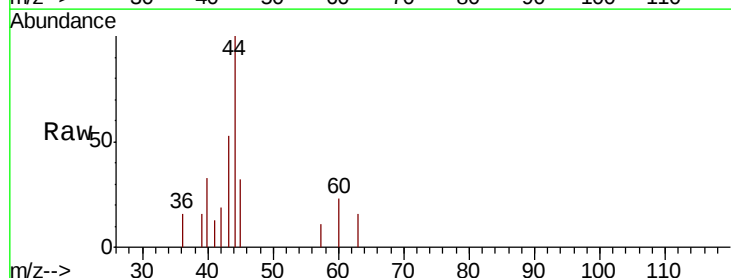
Acq: 02 Oct 2018 20:48

Tgt Ion: 63 Resp: 144

Ion Ratio Lower Upper

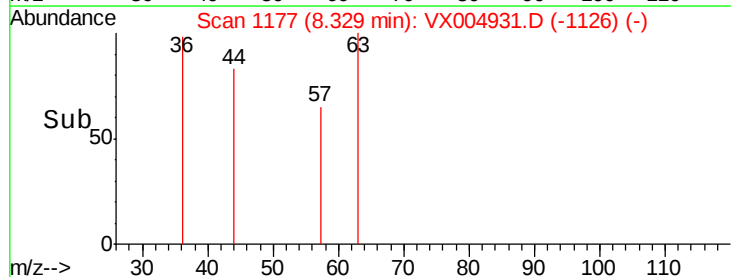
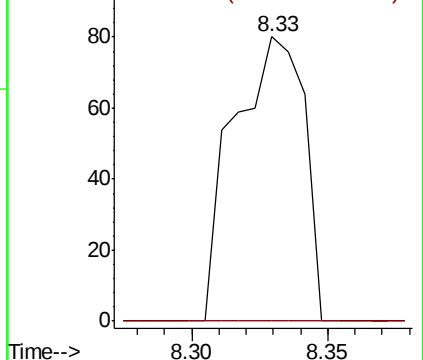
63 100

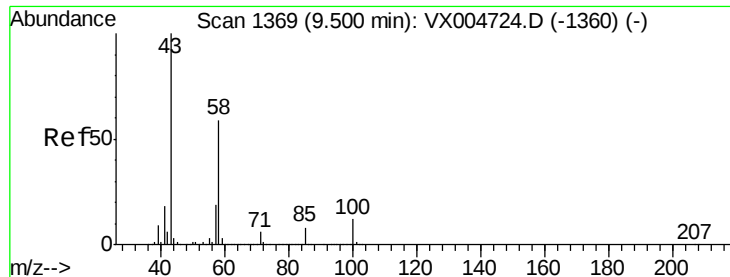
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

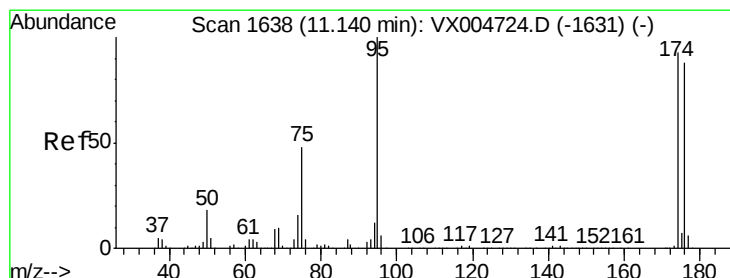
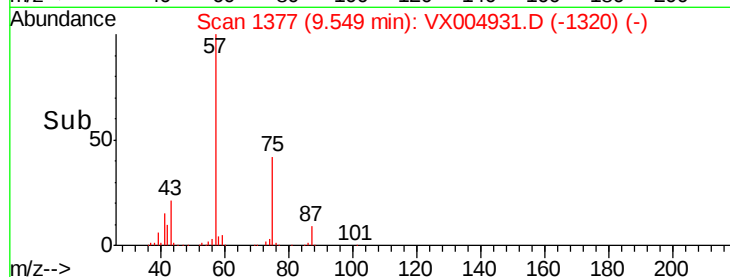
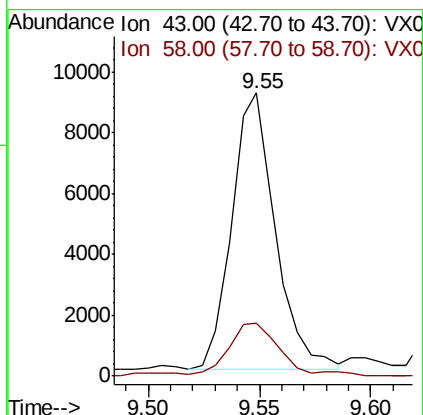
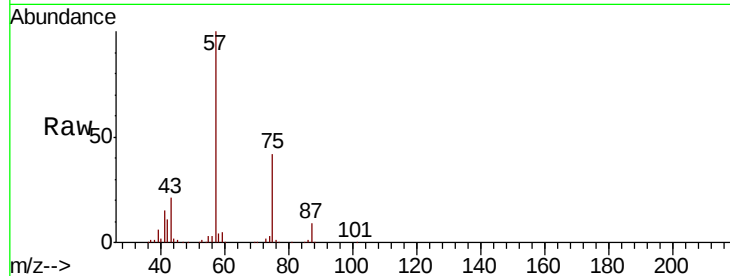




#59
2-Hexanone
Concen: 3.153 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

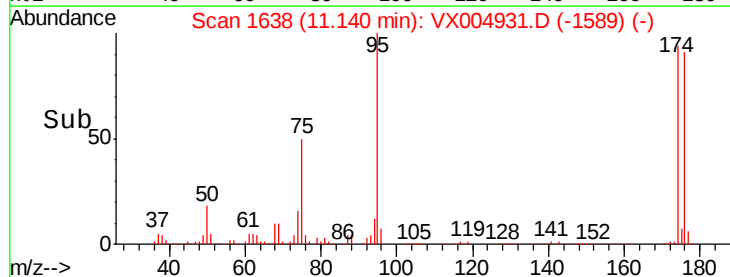
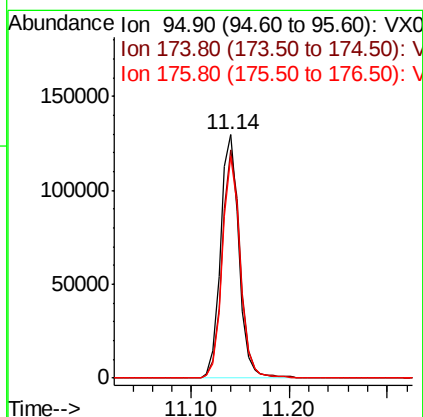
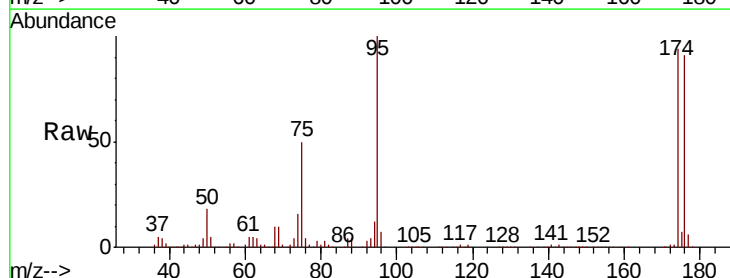
Instrument :
MSVOA_X
ClientSampleId :
PB113364ZHE#08

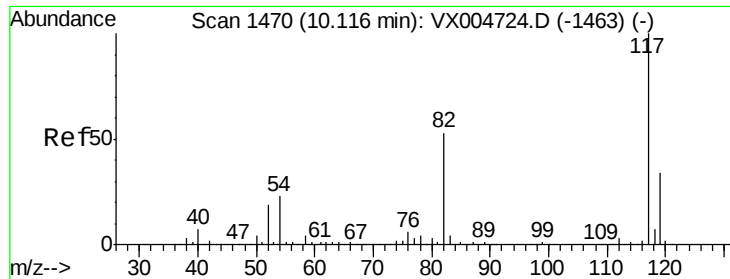
Tot Ion: 43 Resp: 12356
Ion Ratio Lower Upper
43 100
58 22.8 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 49.404 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Tgt Ion: 95 Resp: 169048
Ion Ratio Lower Upper
95 100
174 93.2 0.0 185.0
176 88.9 0.0 180.2

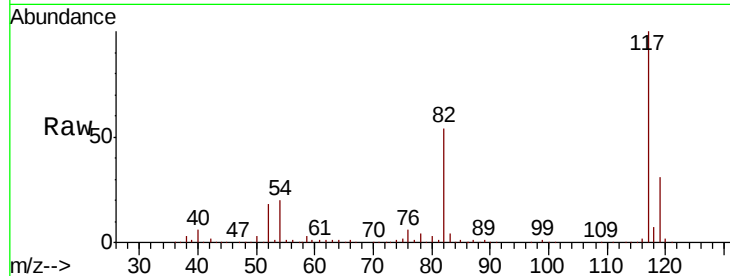




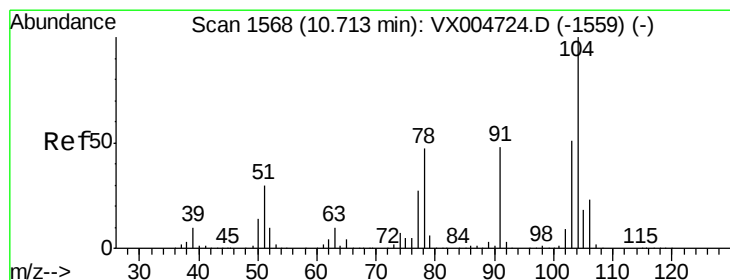
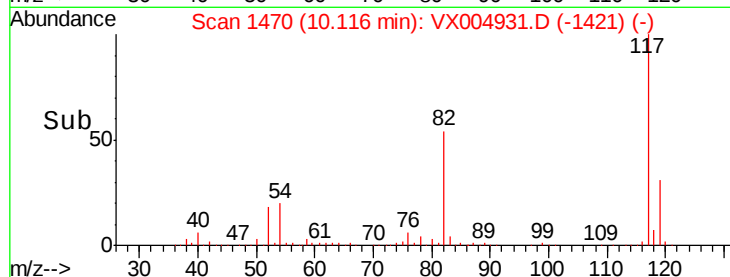
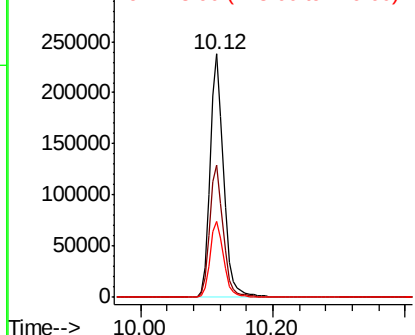
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Instrument :
MSVOA_X
ClientSampleId :
PB113364ZHE#08

Tot Ion:117 Resp: 335760
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 31.2 27.4 41.0

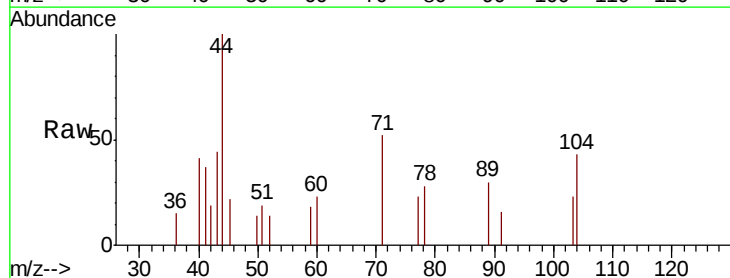


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

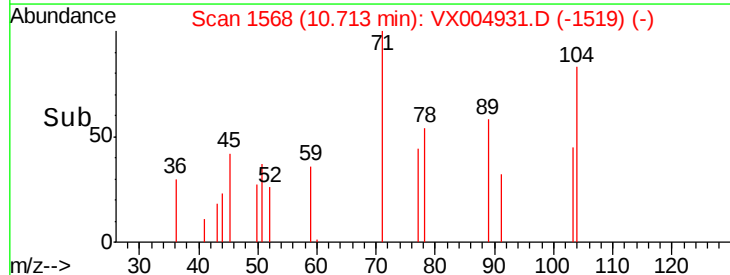
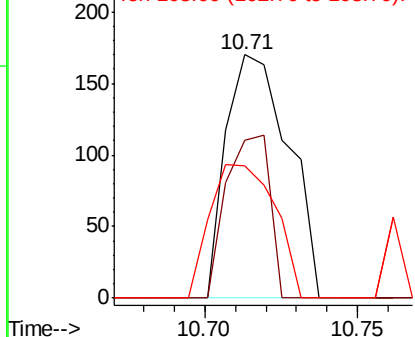


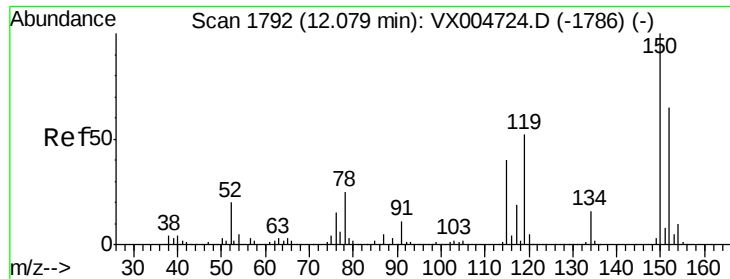
#70
Styrene
Concen: 2.165 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Tgt Ion:104 Resp: 240
Ion Ratio Lower Upper
104 100
78 46.7 40.0 60.0
103 57.1 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



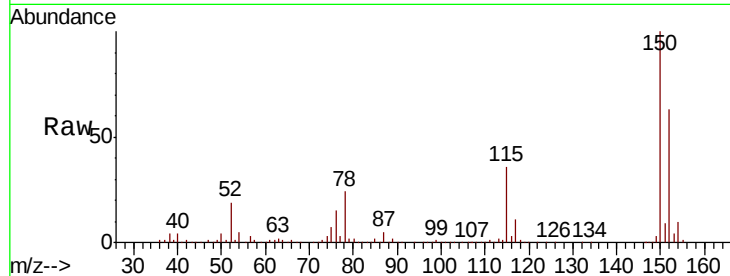


#72

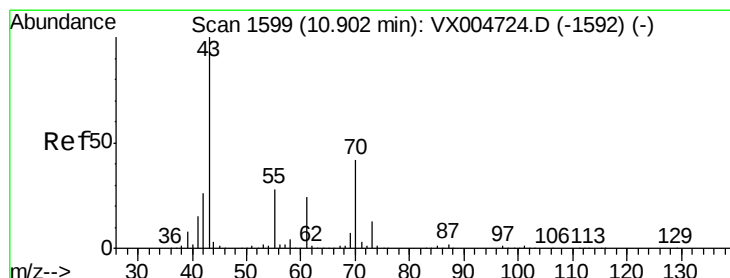
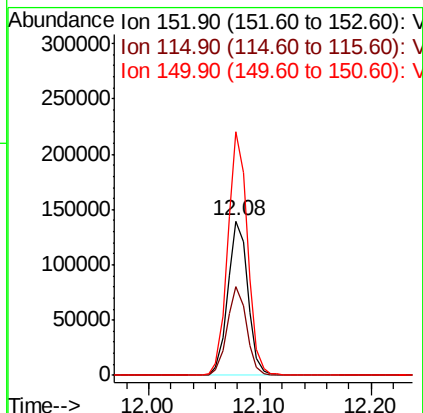
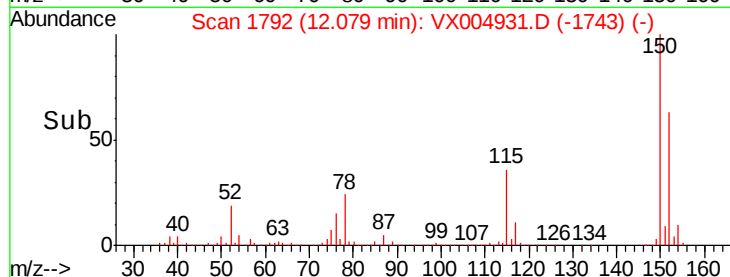
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Instrument :
MSVOA_X
ClientSampleId :
PB113364ZHE#08

Tot Ion:152 Resp: 172367
Ion Ratio Lower Upper
152 100
115 55.9 40.2 120.6
150 155.9 0.0 351.0



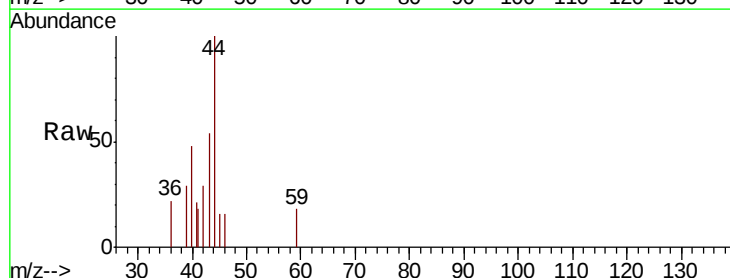
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



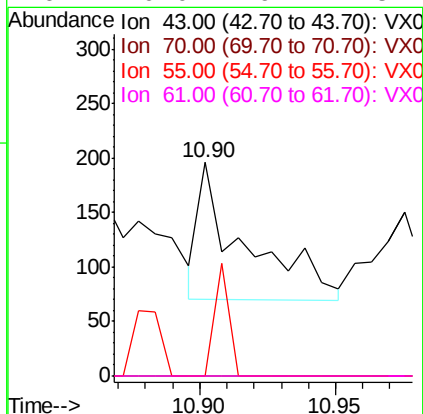
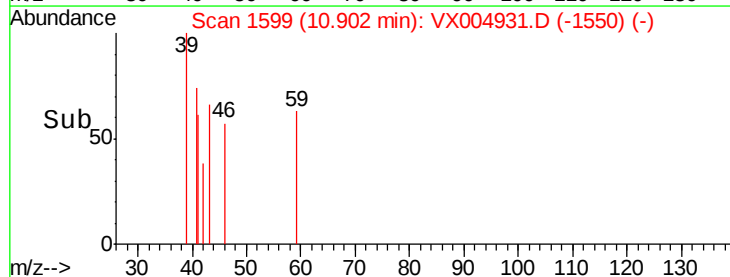
#74

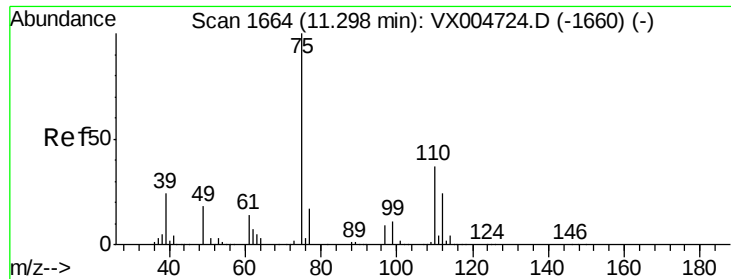
N-ethyl acetate
Concen: 1.772 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004931.D
Acq: 02 Oct 2018 20:48

Tgt Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
70 0.0 32.6 48.8#
55 25.0 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

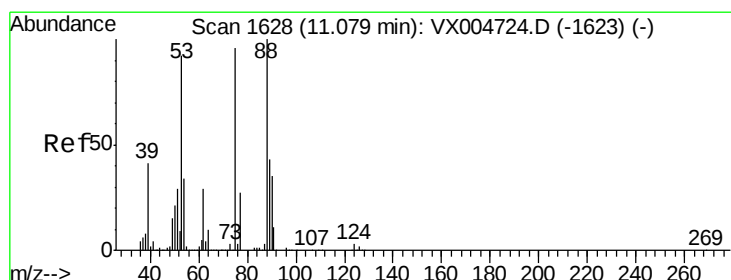
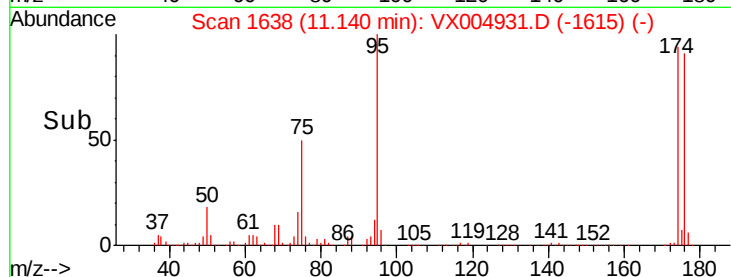
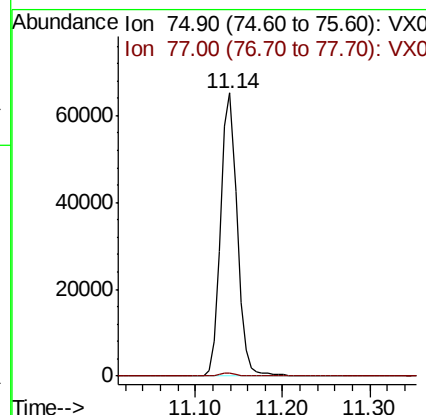
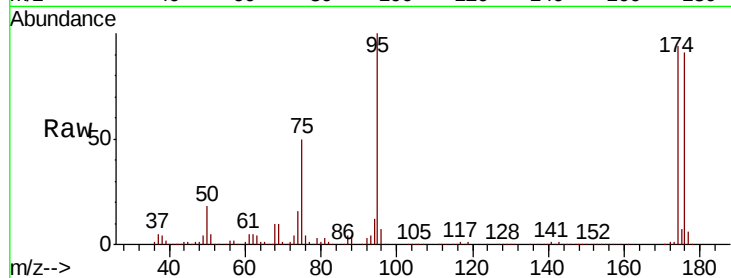




#76
 1,2,3-Trichloropropane
 Concen: 22.060 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004931.D
 Acq: 02 Oct 2018 20:48

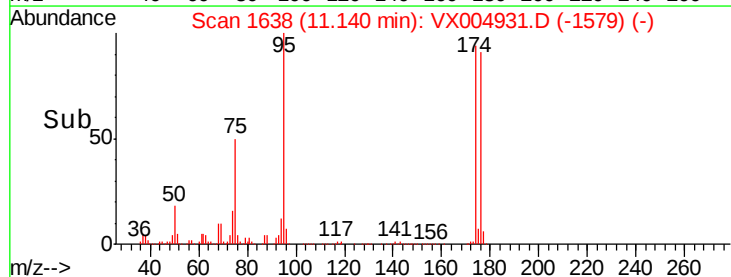
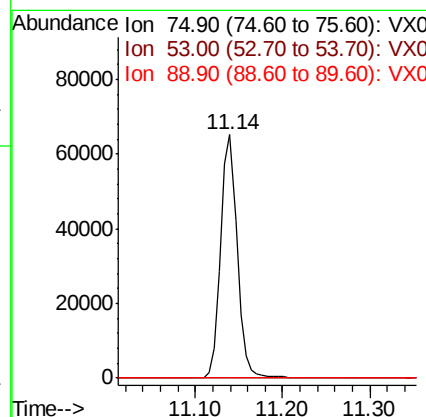
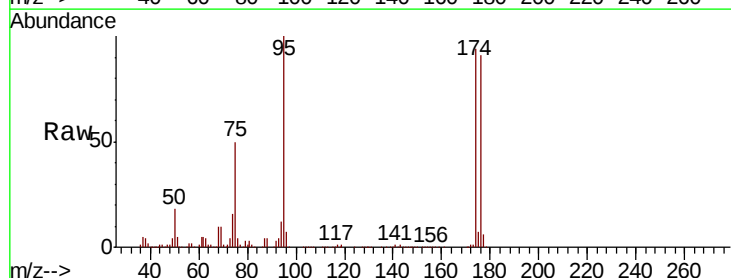
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113364ZHE#08

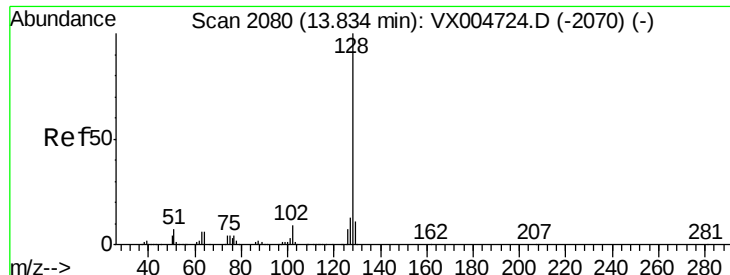
Tot Ion: 75 Resp: 85226
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.762 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004931.D
 Acq: 02 Oct 2018 20:48

Tgt Ion: 75 Resp: 85226
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.776 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004931.D

Acq: 02 Oct 2018 20:48

Instrument :

MSVOA_X

ClientSampleId :

PB113364ZHE#08

Tot Ion:128 Resp: 822

Ion Ratio Lower Upper

128 100

127 2.3 10.4 15.6#

129 18.0 8.7 13.1#

