

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006497.D
 Acq On : 13 Dec 2018 16:11
 Operator : JC/MD
 Sample : PB115614ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#05

Quant Time: Dec 14 00:17:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	624960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1010188	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	930684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	440941	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	339333	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	5.50	113	300829	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	8.71	98	1197590	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.13	95	439439	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

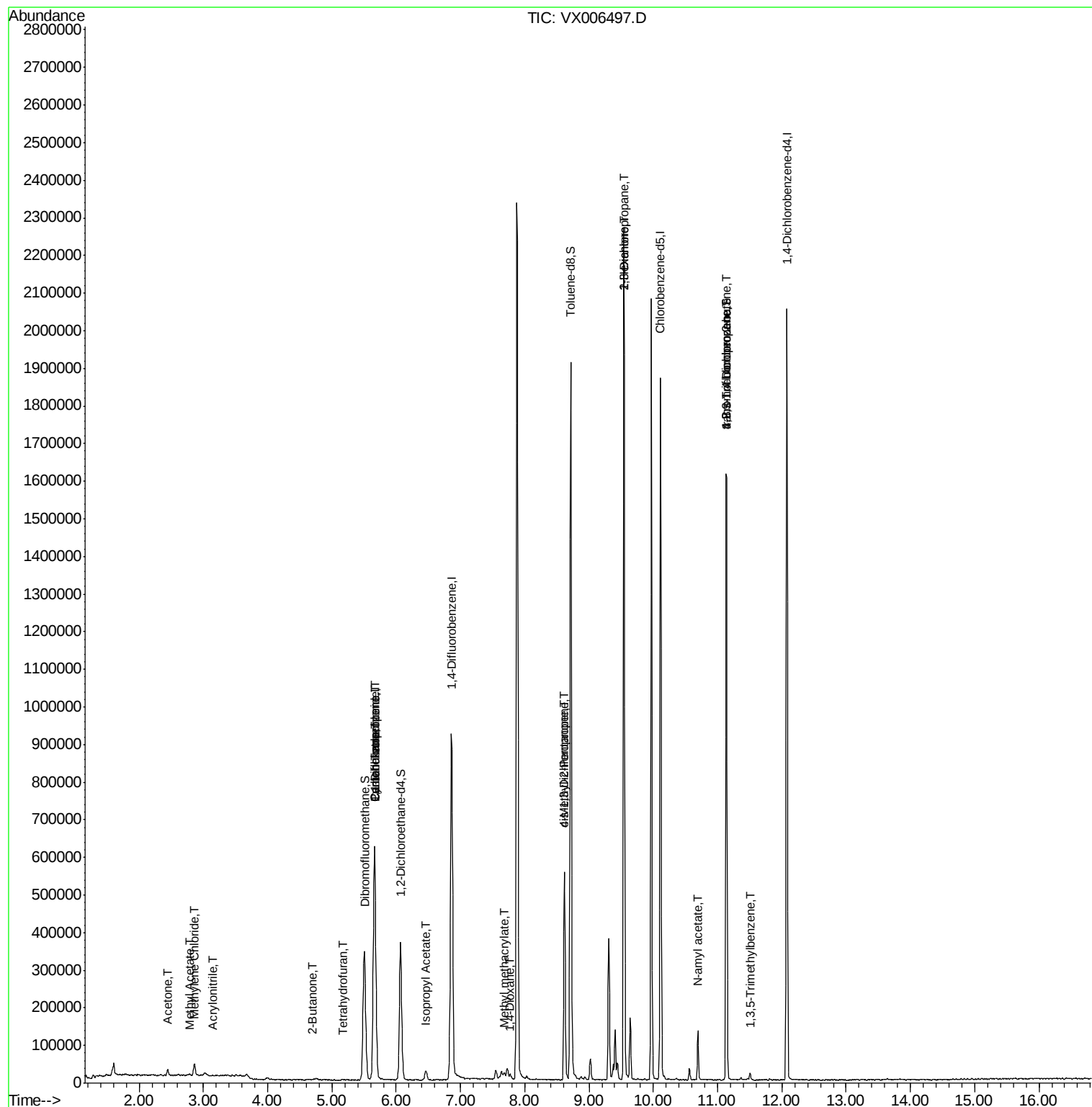
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	3.14	53	812	0.223	ug/l #	82
16) Acetone	2.45	43	16745	5.593	ug/l	91
18) Methyl Acetate	2.78	43	4214	0.421	ug/l #	79
20) Methylene Chloride	2.86	84	15856	2.488	ug/l	90
25) 2-Butanone	4.70	43	3854	0.902	ug/l #	82
29) Tetrahydrofuran	5.16	42	1730	0.583	ug/l #	70
31) Cyclohexane	5.67	56	11762	1.276	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	41265	4.851	ug/l #	49
38) Carbon Tetrachloride	5.67	117	58836	5.879	ug/l #	17
43) Isopropyl Acetate	6.46	43	33701	2.122	ug/l	96
48) Methyl methacrylate	7.68	41	16783	2.172	ug/l #	13
49) 1,4-Dioxane	7.76	88	89	0.467	ug/l #	27
51) 4-Methyl-2-Pentanone	8.62	43	174681	18.892	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	93597	8.510	ug/l #	59
57) 1,3-Dichloropropane	9.54	76	20270	1.882	ug/l #	45
59) 2-Hexanone	9.54	43	245048	34.688	ug/l #	52
74) N-amyl acetate	10.69	43	28279	2.157	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	200294	23.534	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	7799	0.308	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	200294	55.228	ug/l #	15

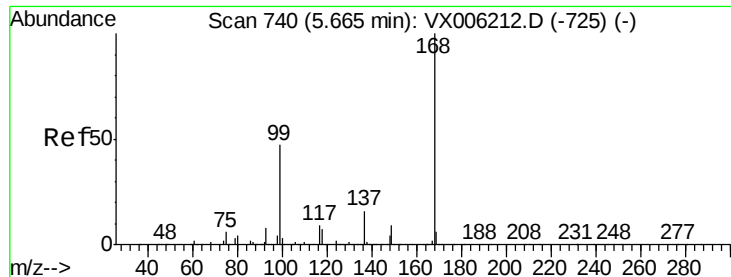
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 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: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

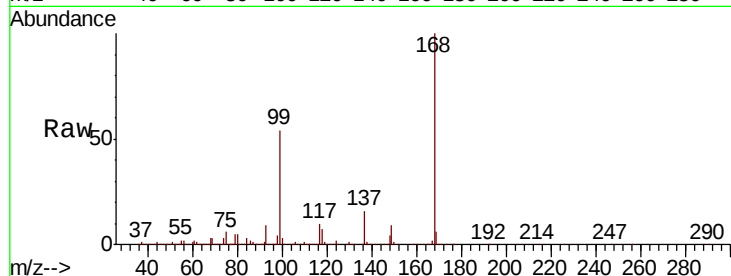
PB115614ZHE#05

Tot Ion:168 Resp: 624960

Ion Ratio Lower Upper

168 100

99 54.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

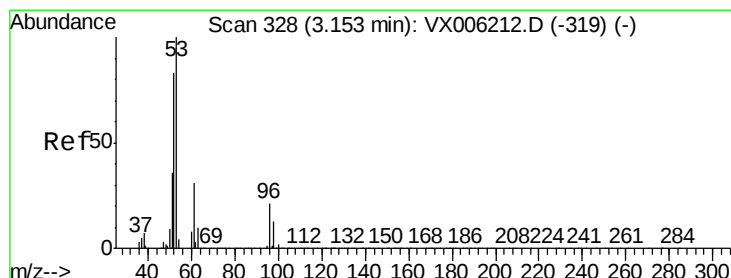
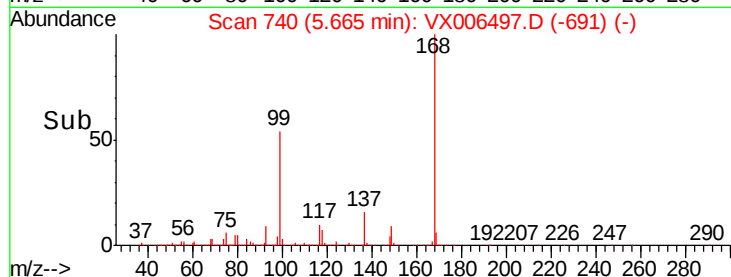
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.02 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

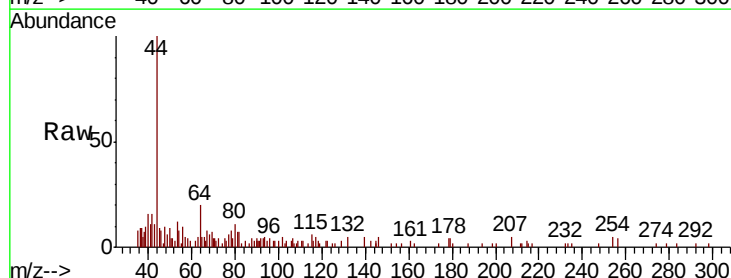
Tgt Ion: 53 Resp: 812

Ion Ratio Lower Upper

53 100

52 59.7 66.2 99.4#

51 36.8 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

600

500

400

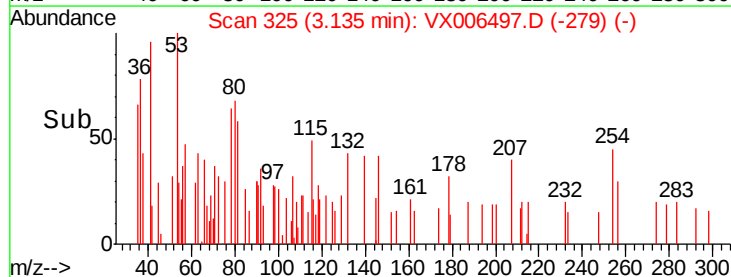
300

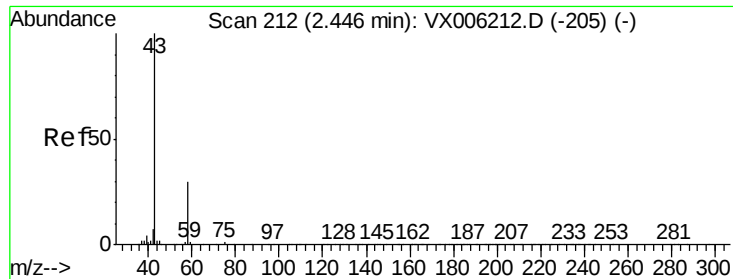
200

100

0

Time--> 3.10 3.15

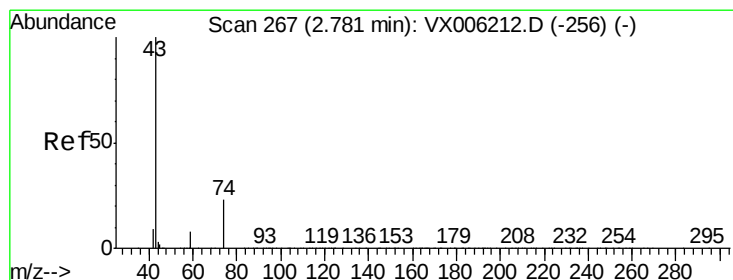
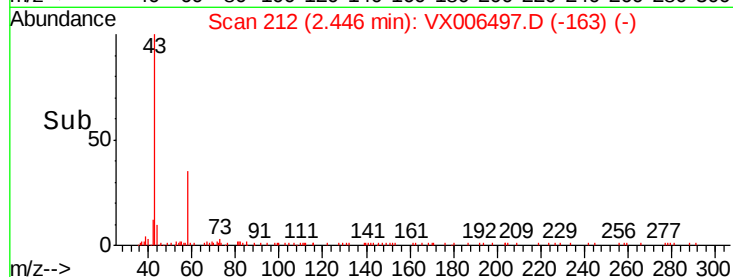
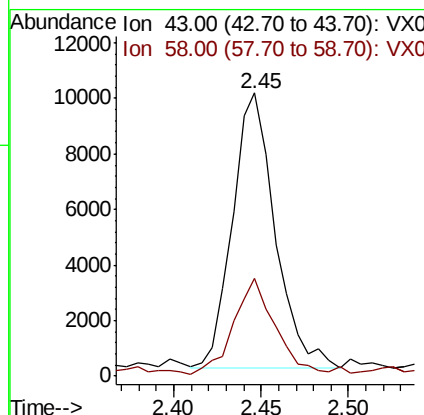
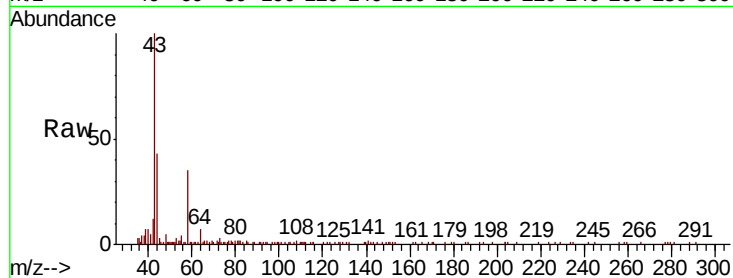




#16
Acetone
Concen: 5.593 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

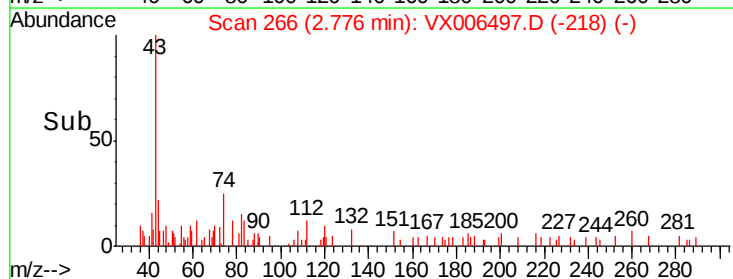
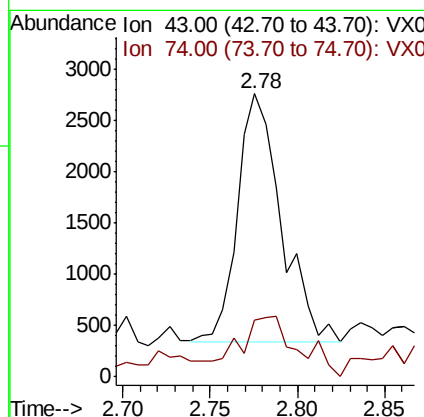
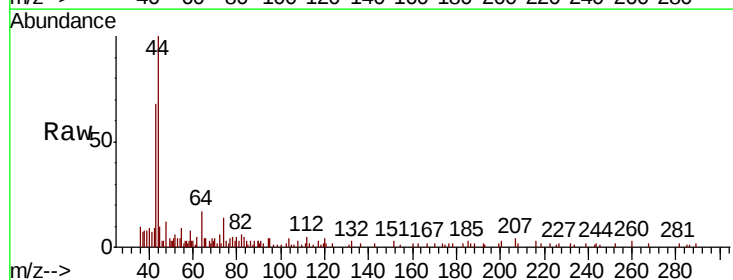
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#05

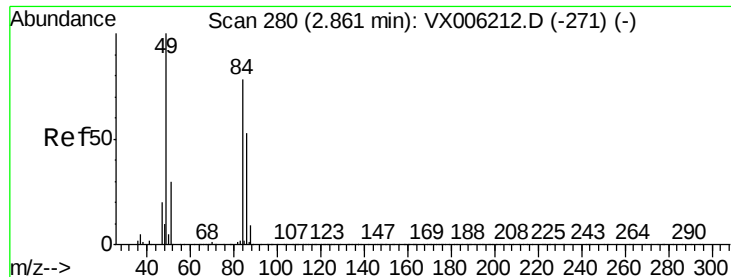
Tot Ion: 43 Resp: 16745
Ion Ratio Lower Upper
43 100
58 34.9 24.0 36.0



#18
Methyl Acetate
Concen: 0.421 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Tgt Ion: 43 Resp: 4214
Ion Ratio Lower Upper
43 100
74 32.4 17.9 26.9#

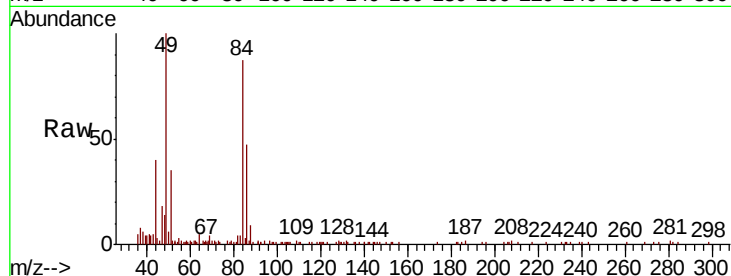




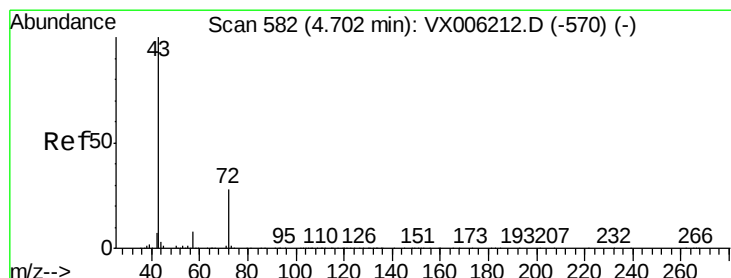
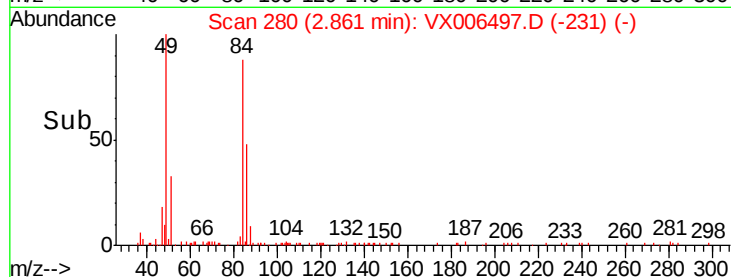
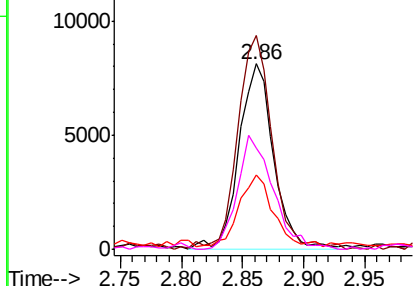
#20
Methvlene Chloride
Concen: 2.488 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#05

Tot Ion: 84 Resp: 15856
Ion Ratio Lower Upper
84 100
49 115.7 102.2 153.4
51 37.9 31.1 46.7
86 55.3 53.7 80.5

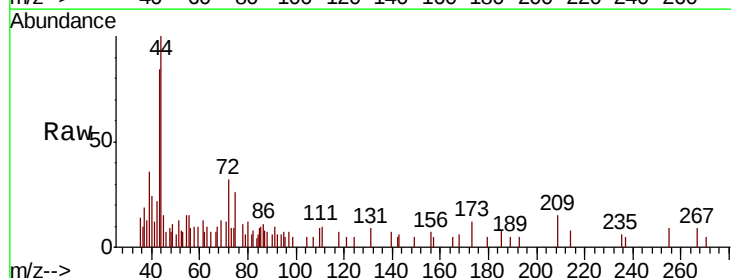


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

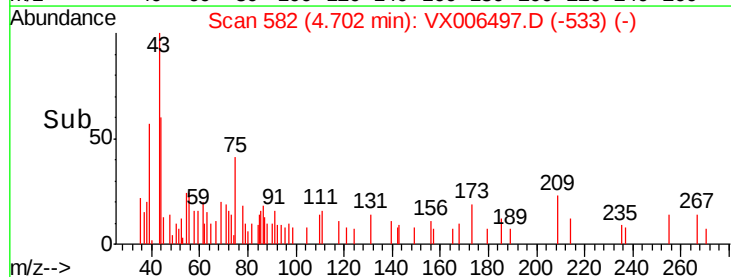
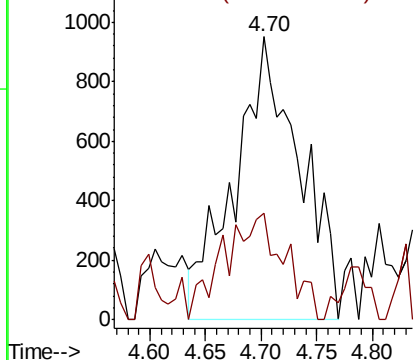


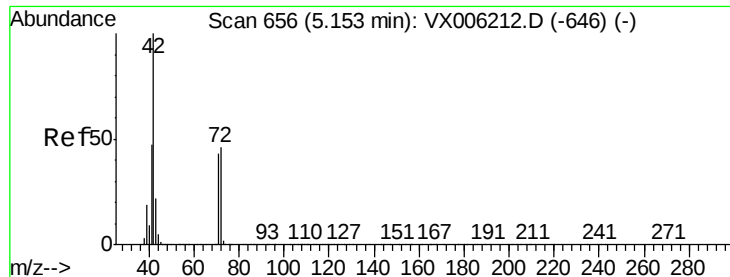
#25
2-Butanone
Concen: 0.902 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Tgt Ion: 43 Resp: 3854
Ion Ratio Lower Upper
43 100
72 37.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

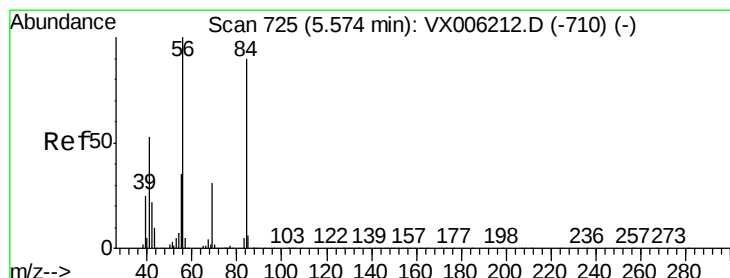
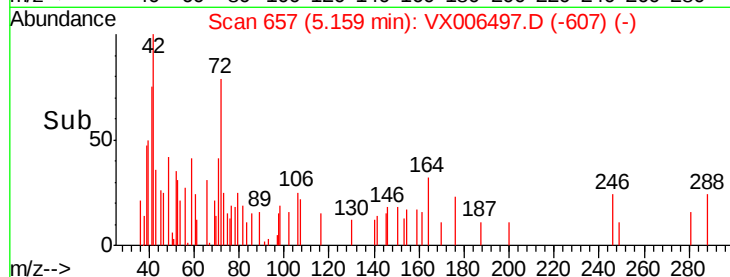
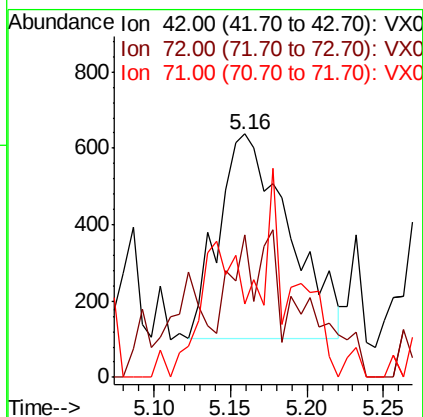
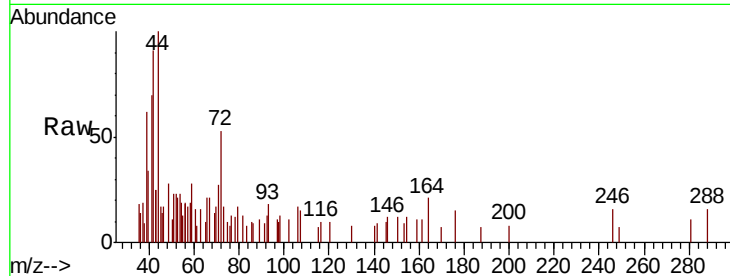




#29
Tetrahydrofuran
Concen: 0.583 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

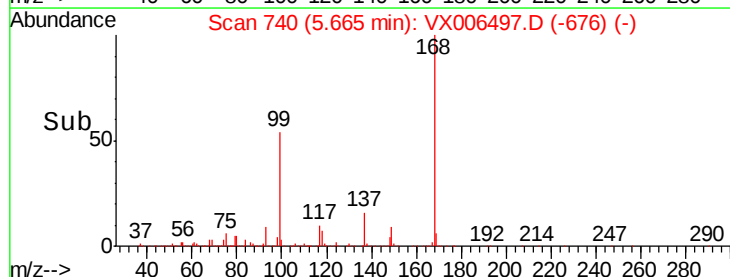
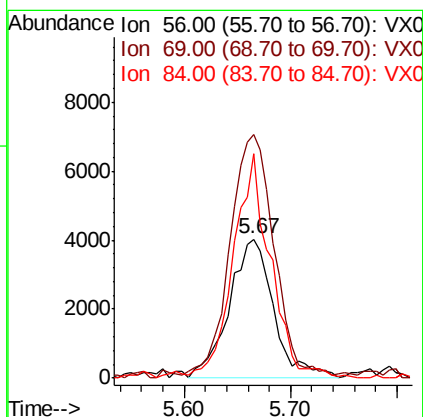
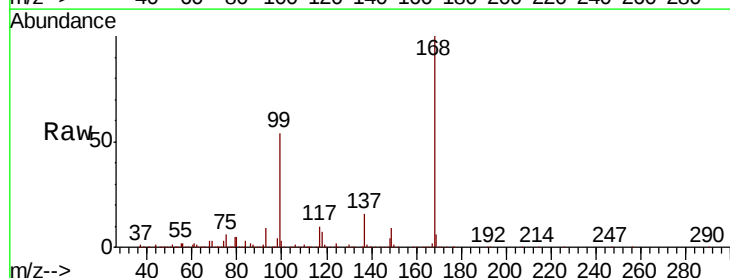
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#05

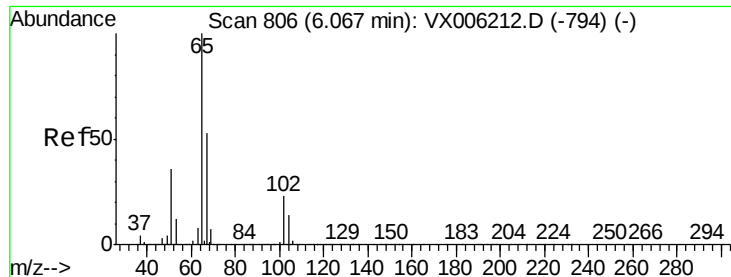
Tot Ion: 42 Resp: 1730
Ion Ratio Lower Upper
42 100
72 13.5 37.8 56.8#
71 38.7 35.2 52.8



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Tgt Ion: 56 Resp: 11762
Ion Ratio Lower Upper
56 100
69 172.5 24.5 36.7#
84 160.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 53.188 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

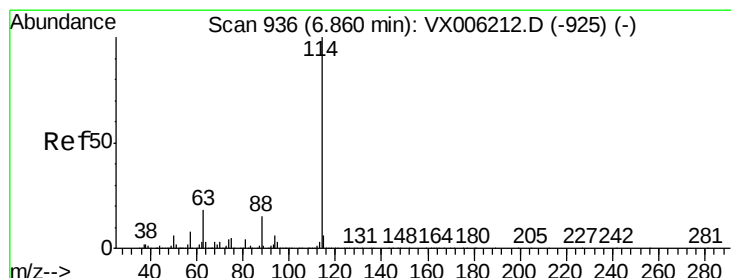
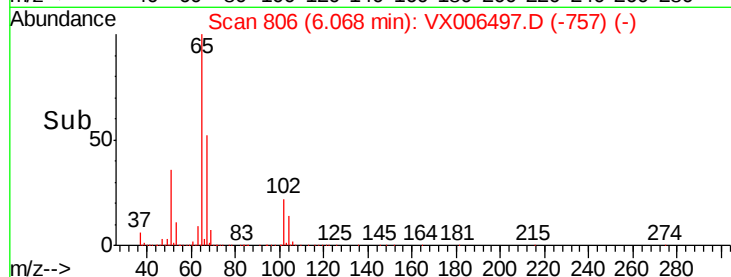
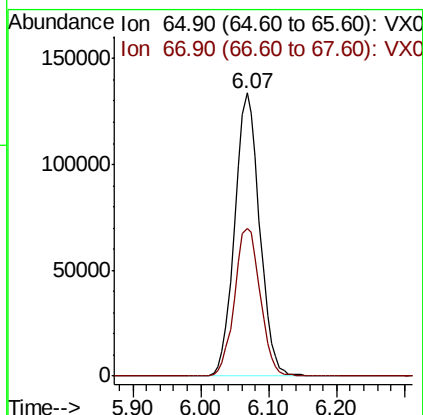
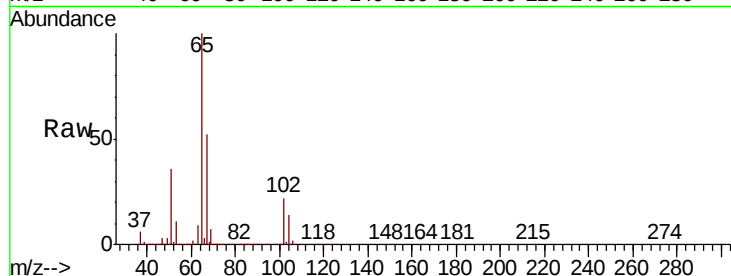
PB115614ZHE#05

Tot Ion: 65 Resp: 339333

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

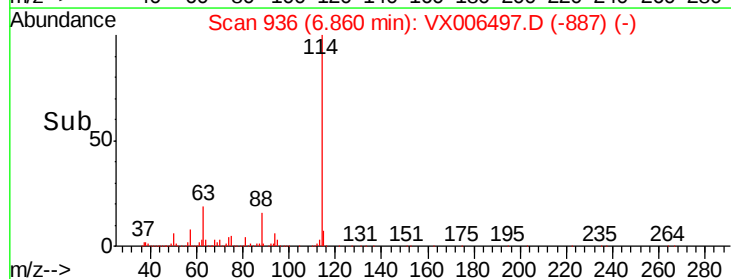
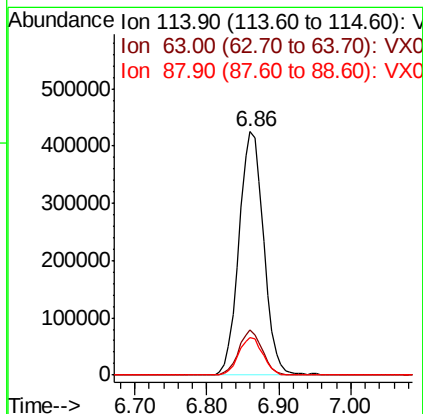
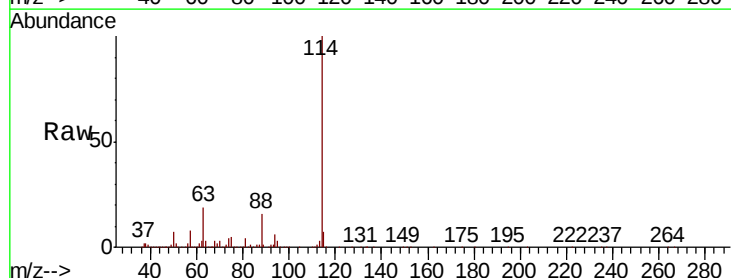
Tgt Ion: 114 Resp: 1010188

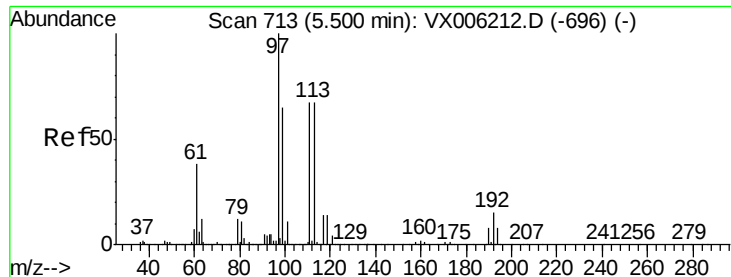
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.6

88 15.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.994 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#05

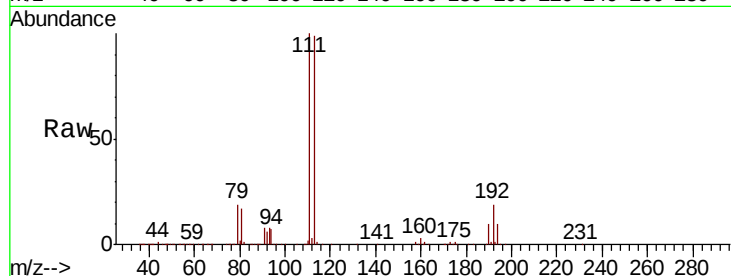
Tot Ion:113 Resp: 300829

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

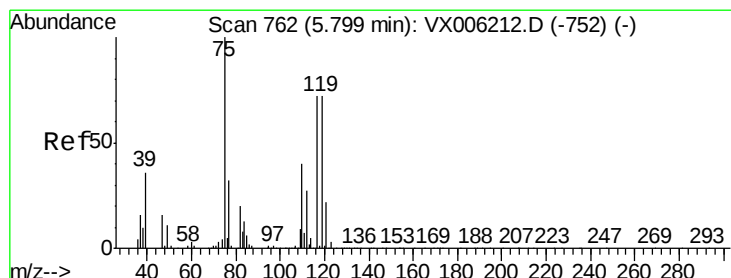
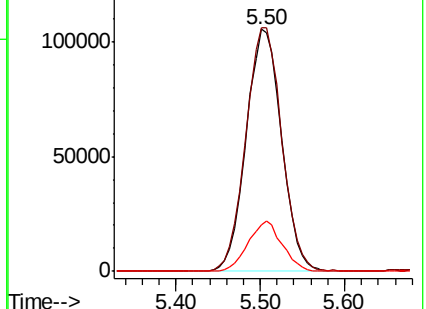
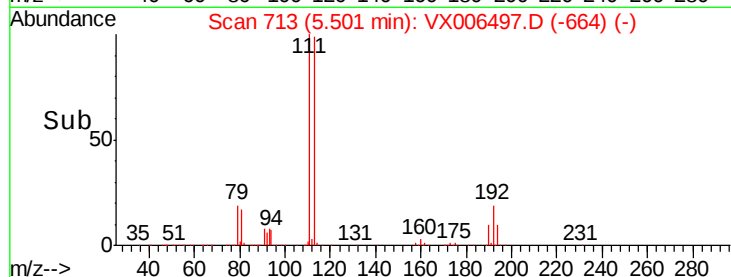
192 20.2 18.2 27.2



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: 4.851 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

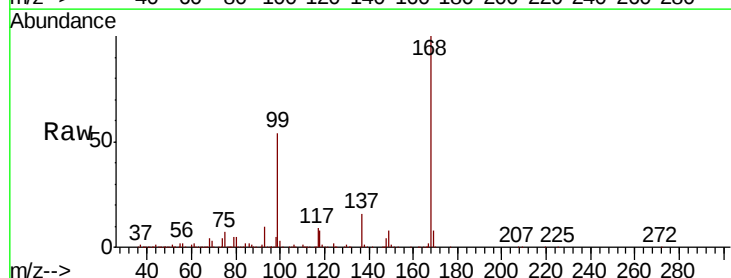
Tgt Ion: 75 Resp: 41265

Ion Ratio Lower Upper

75 100

110 10.3 20.4 61.3#

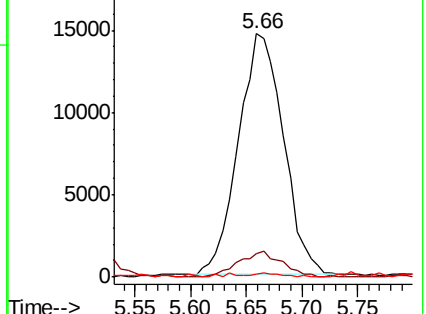
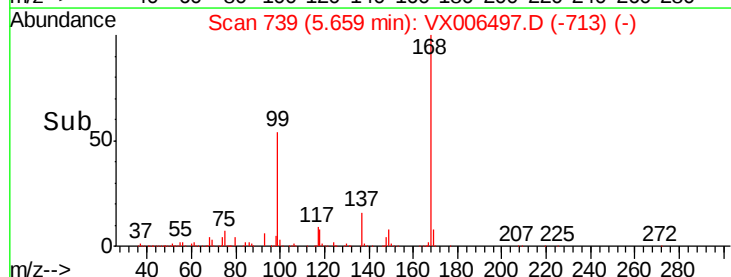
77 1.1 24.9 37.3#

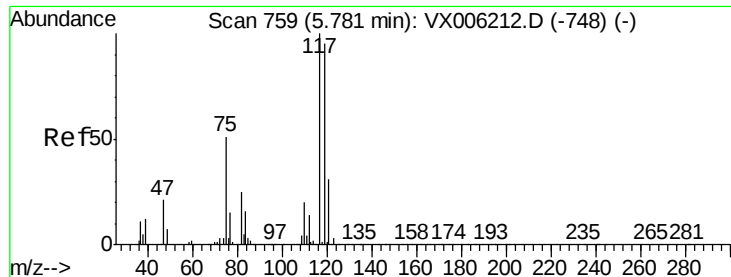


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#05

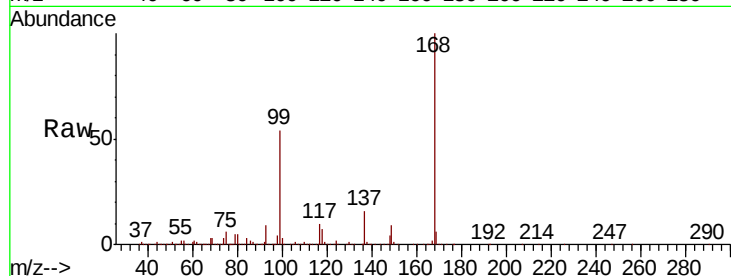
Tot Ion:117 Resp: 58836

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

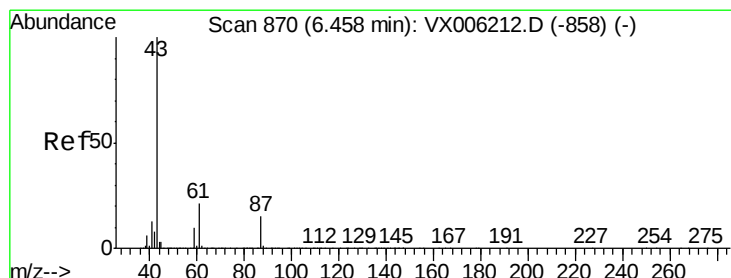
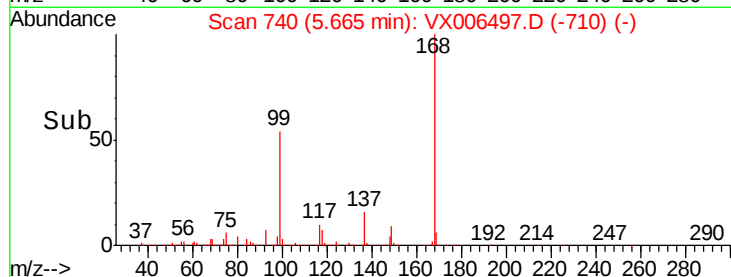
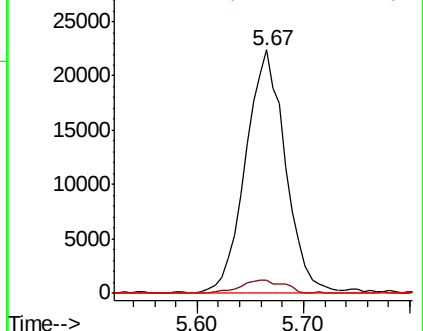
121 0.2 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.122 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

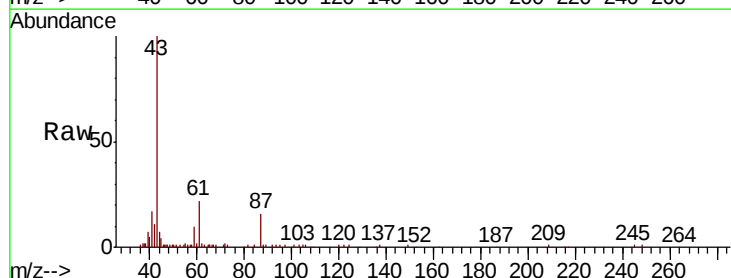
Tgt Ion: 43 Resp: 33701

Ion Ratio Lower Upper

43 100

61 24.2 16.8 25.2

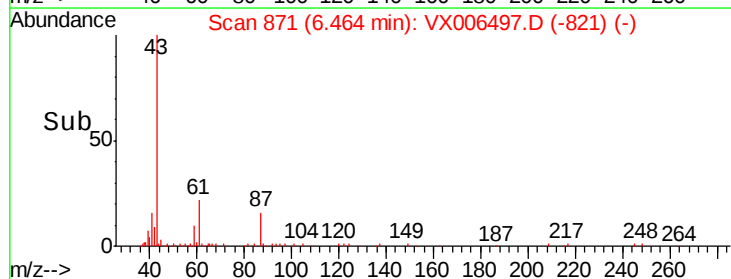
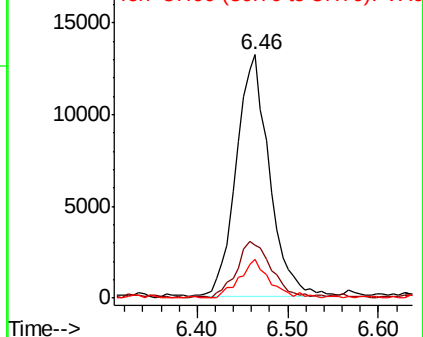
87 14.6 11.9 17.9

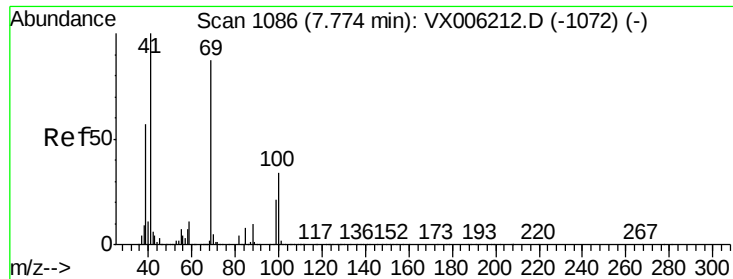


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

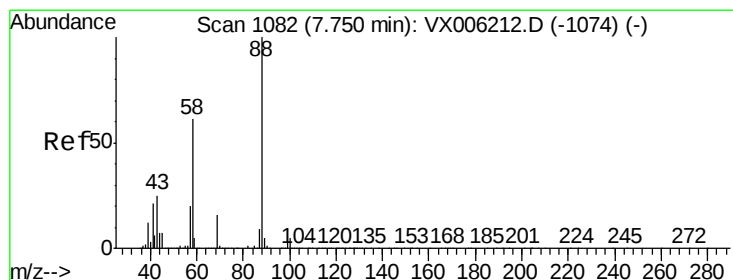
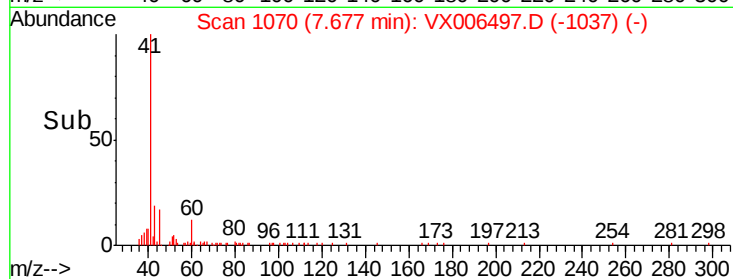
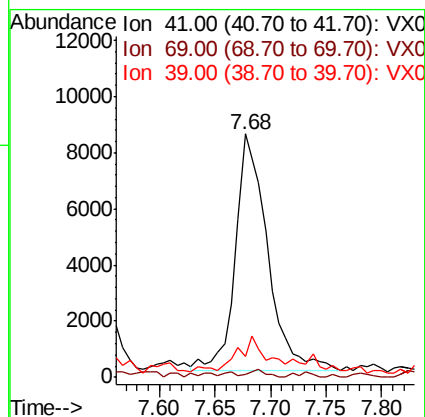
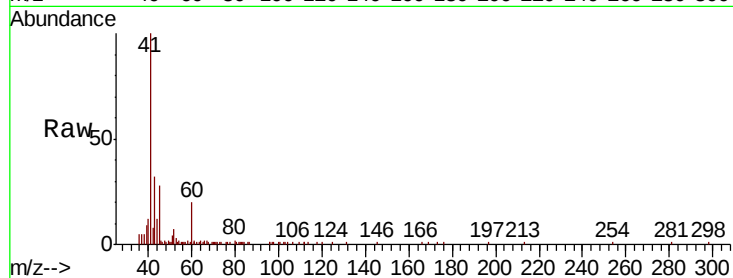




#48
Methvl methacrylate
Concen: 2.172 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.10 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

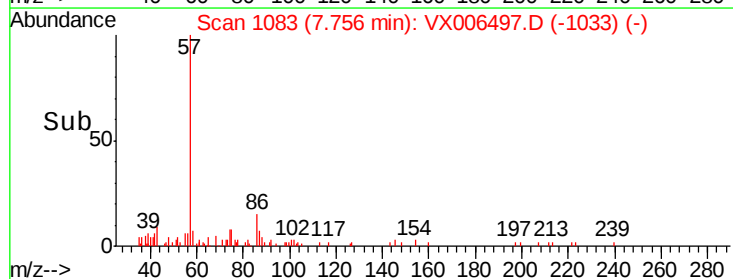
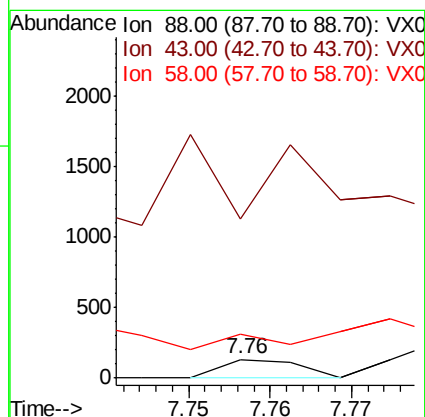
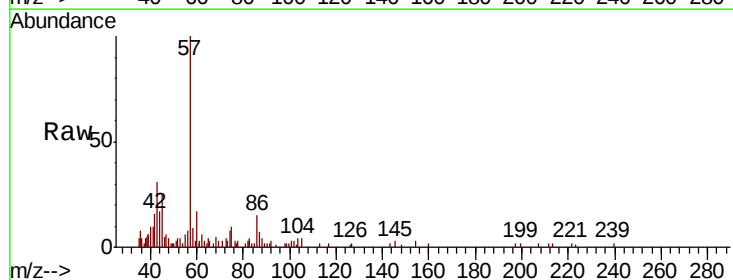
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#05

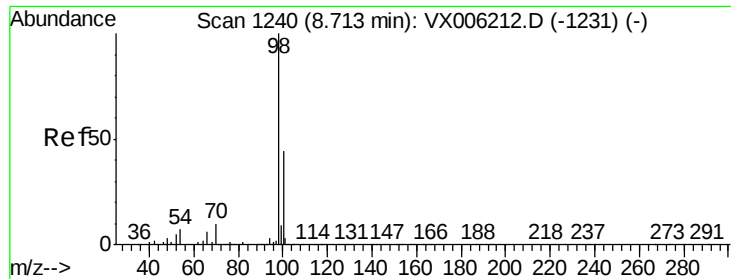
Tot Ion: 41 Resp: 16783
Ion Ratio Lower Upper
41 100
69 1.6 70.3 105.5#
39 0.0 45.3 67.9#



#49
1,4-Dioxane
Concen: 0.467 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 51.4 77.0#

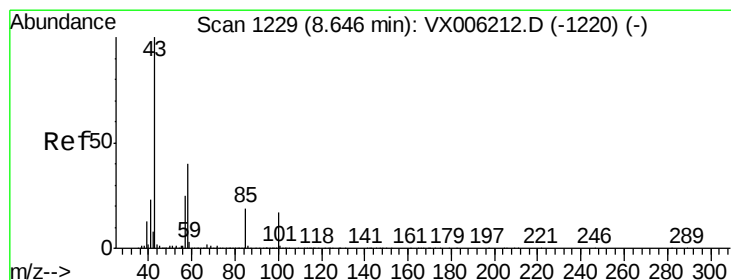
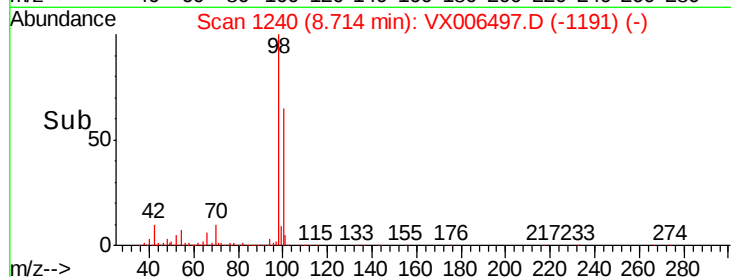
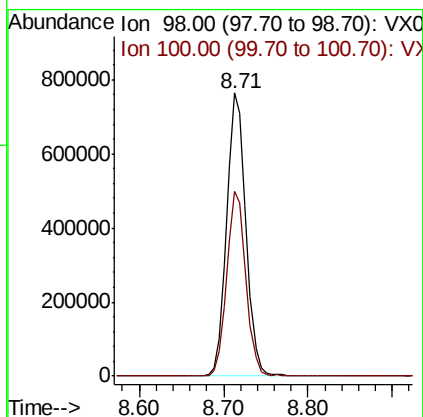
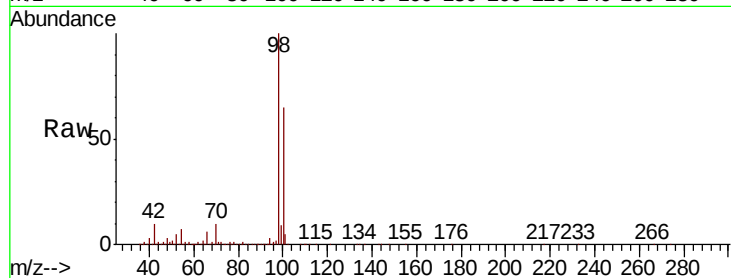




#50
Toluene-d8
Concen: 50.338 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

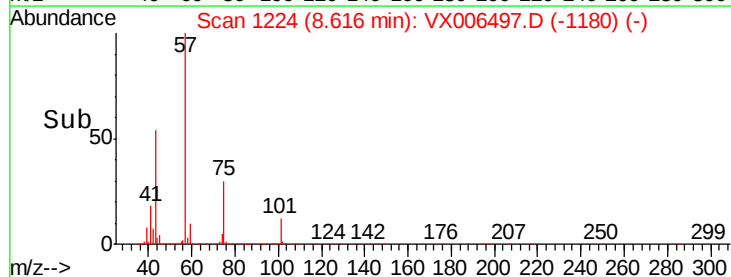
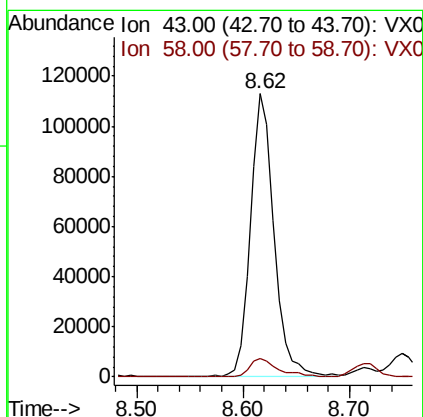
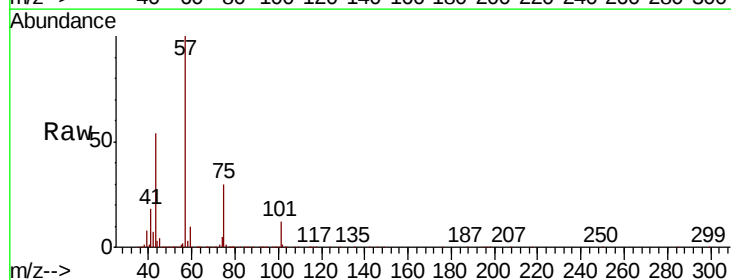
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#05

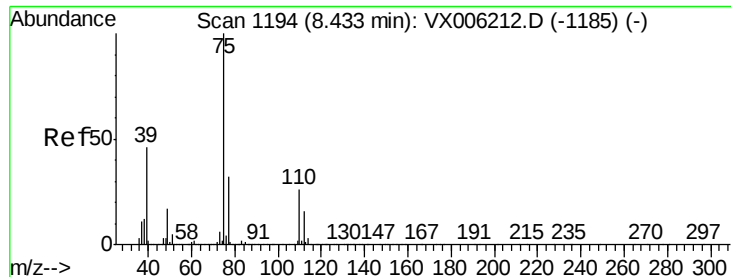
Tot Ion: 98 Resp: 1197590
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 18.892 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Tgt Ion: 43 Resp: 174681
Ion Ratio Lower Upper
43 100
58 8.0 31.3 46.9#





#54

cis-1,3-Dichloropropene

Concen: 8.510 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#05

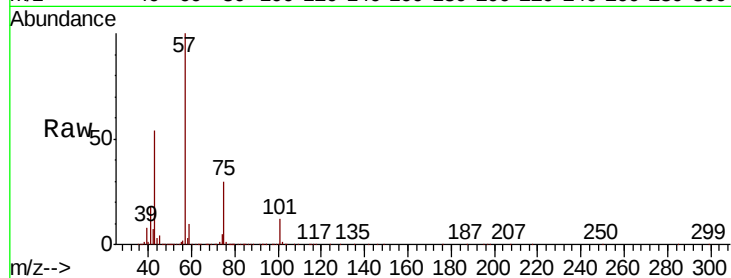
Tot Ion: 75 Resp: 93597

Ion Ratio Lower Upper

75 100

77 0.5 25.6 38.4#

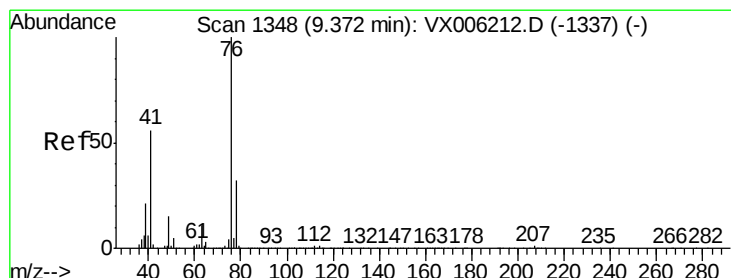
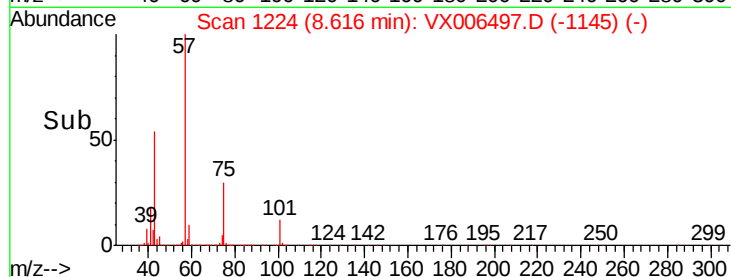
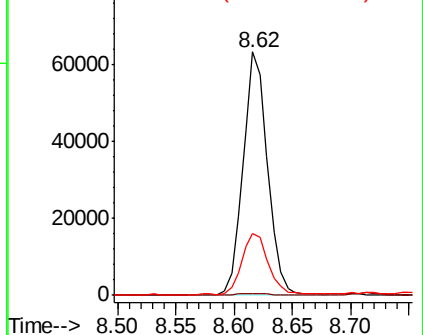
39 25.2 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.882 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006497.D

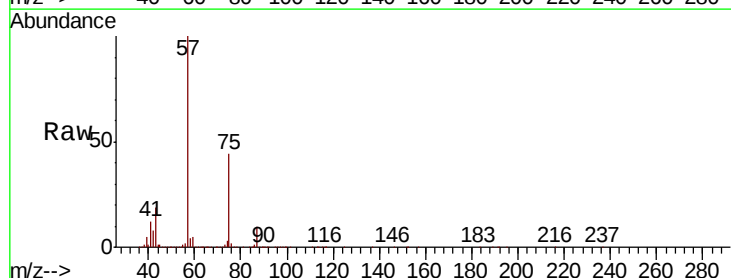
Acq: 13 Dec 2018 16:11

Tgt Ion: 76 Resp: 20270

Ion Ratio Lower Upper

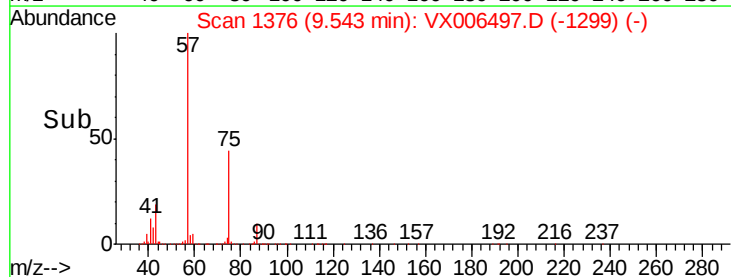
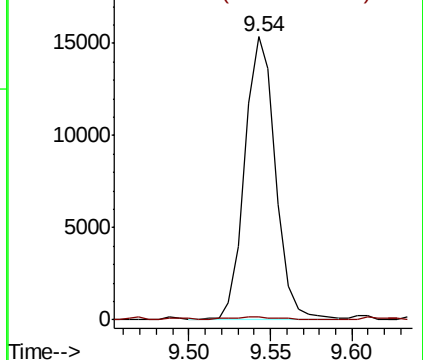
76 100

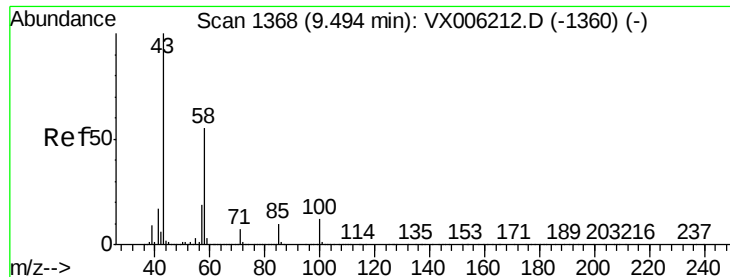
78 1.8 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

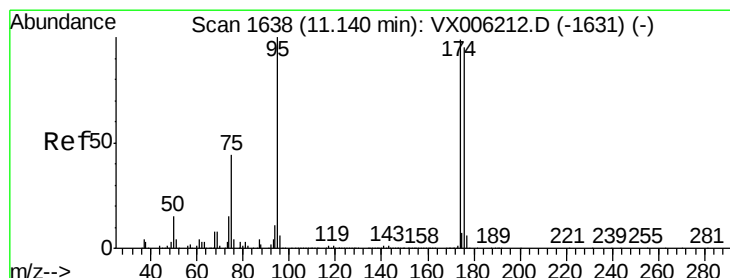
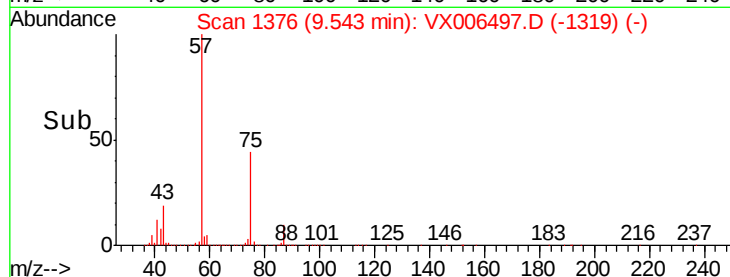
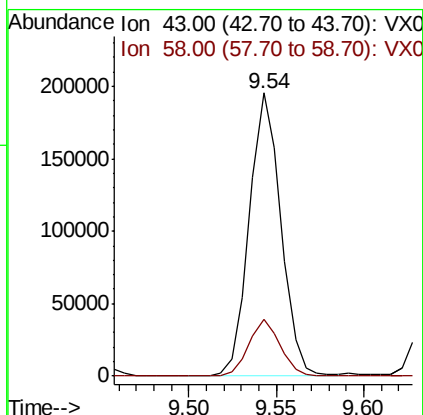
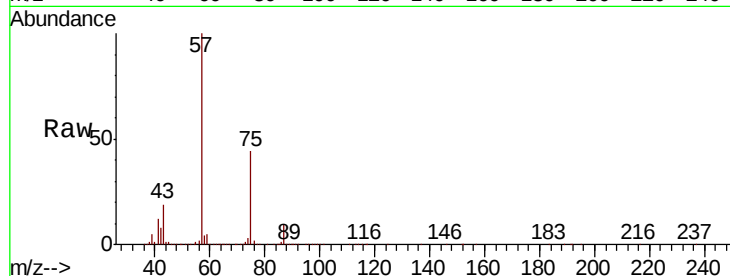




#59
2-Hexanone
Concen: 34.688 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

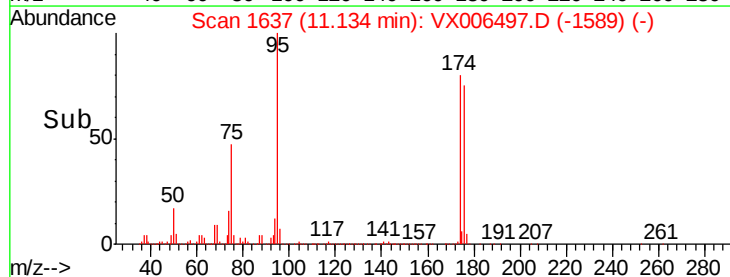
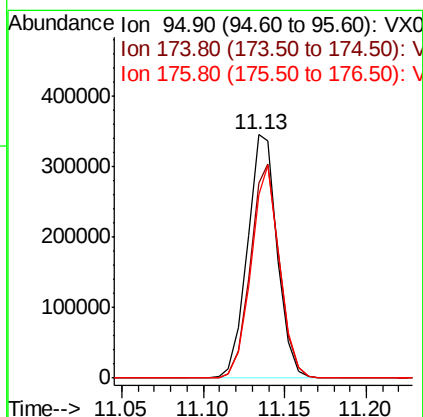
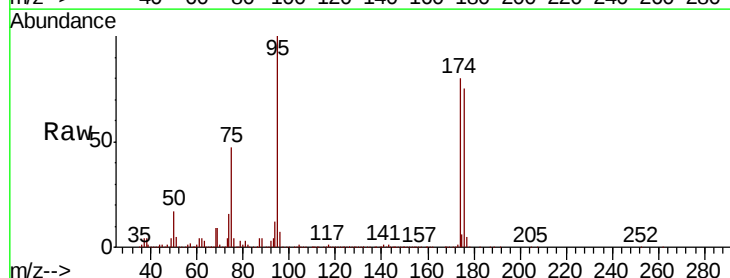
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#05

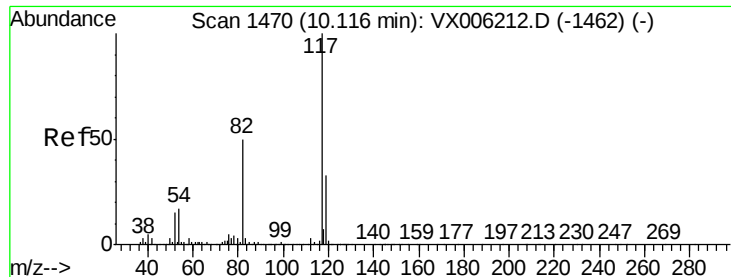
Tot Ion: 43 Resp: 245048
Ion Ratio Lower Upper
43 100
58 20.5 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 49.017 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006497.D
Acq: 13 Dec 2018 16:11

Tgt Ion: 95 Resp: 439439
Ion Ratio Lower Upper
95 100
174 85.7 0.0 187.0
176 83.4 0.0 181.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#05

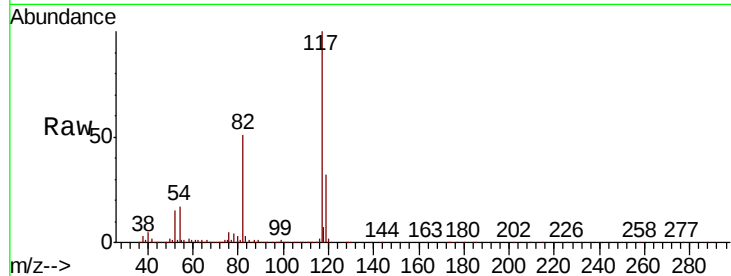
Tot Ion:117 Resp: 930684

Ion Ratio Lower Upper

117 100

82 50.5 39.6 59.4

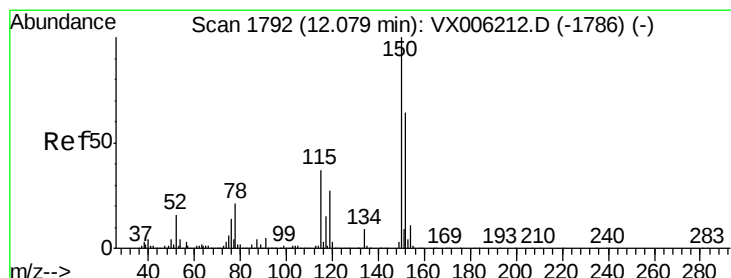
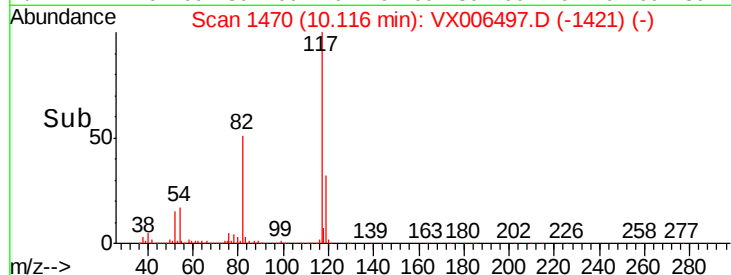
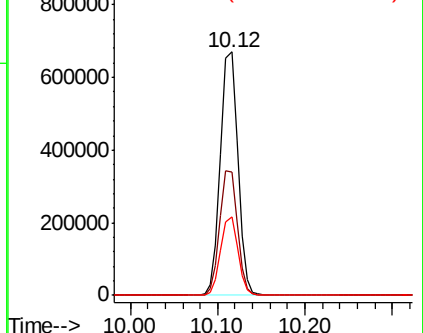
119 32.4 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

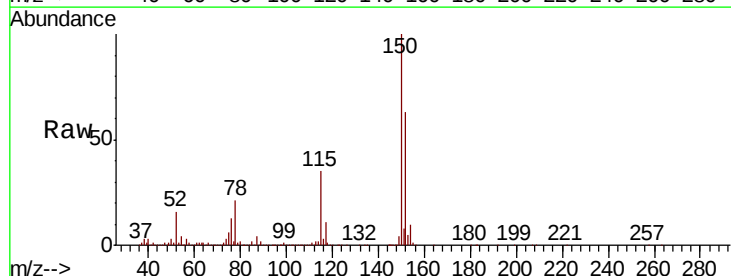
Tgt Ion:152 Resp: 440941

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

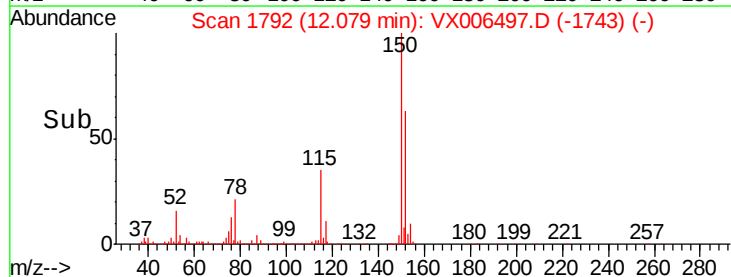
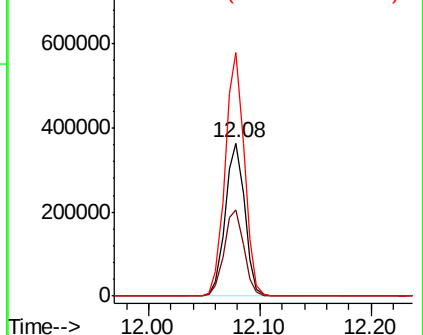
150 156.4 0.0 345.8

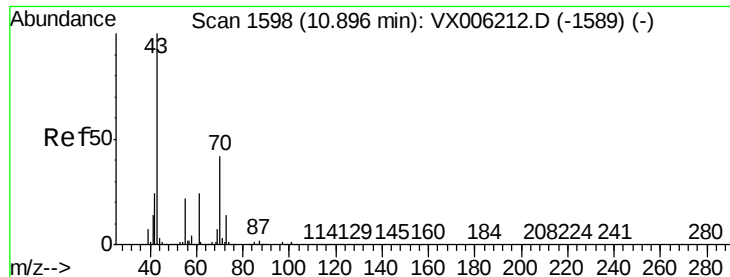


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.157 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006497.D

Acq: 13 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#05

Tot Ion: 43 Resp: 28279

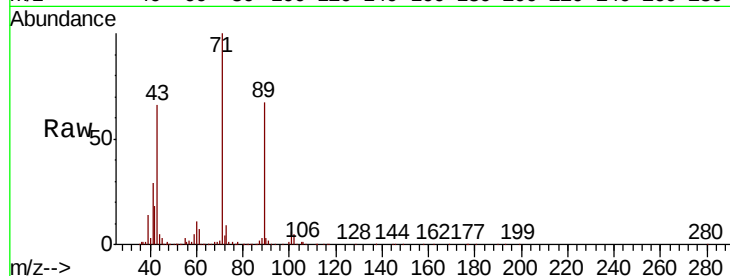
Ion Ratio Lower Upper

43 100

70 3.5 34.1 51.1#

55 6.5 17.8 26.8#

61 11.5 19.7 29.5#

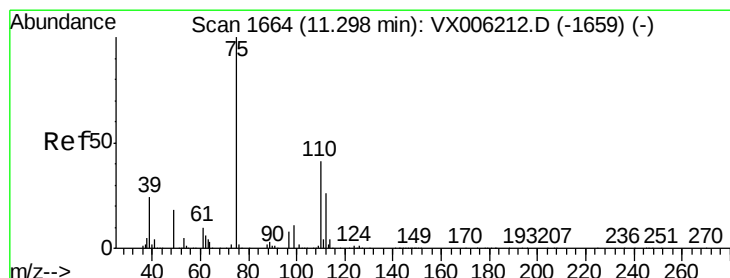
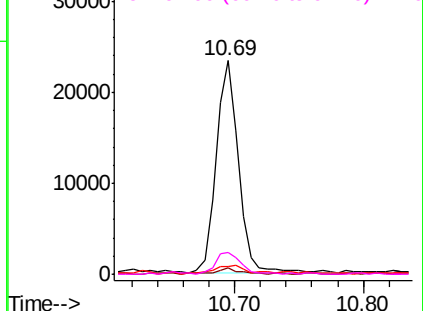
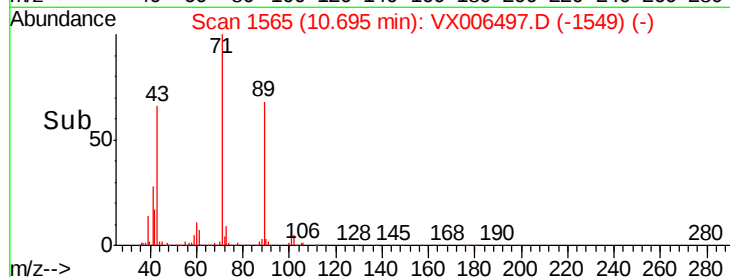


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.534 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006497.D

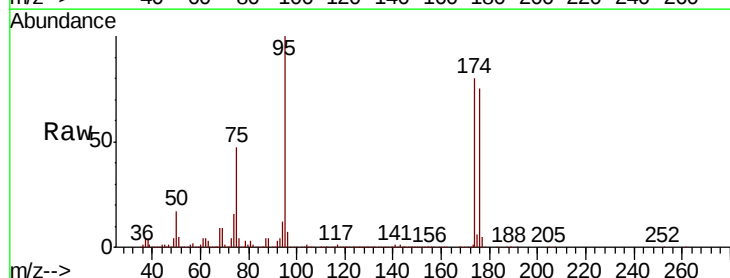
Acq: 13 Dec 2018 16:11

Tgt Ion: 75 Resp: 200294

Ion Ratio Lower Upper

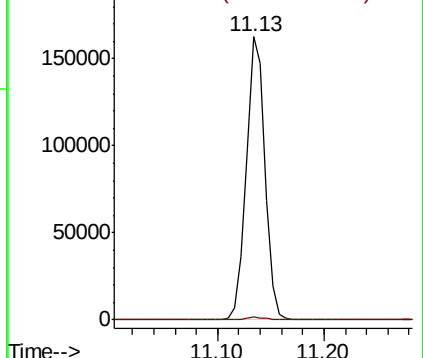
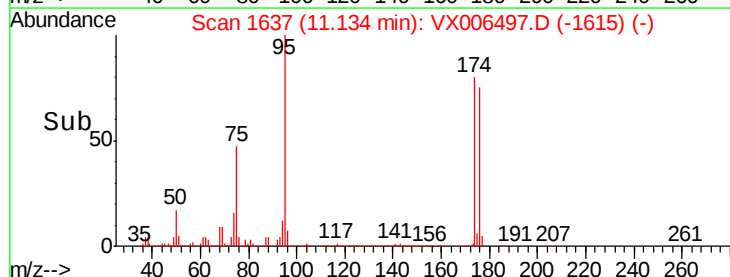
75 100

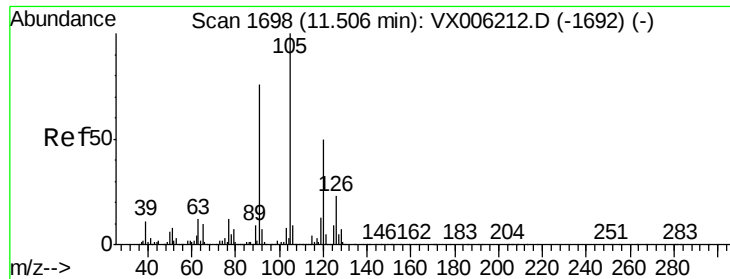
77 1.1 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

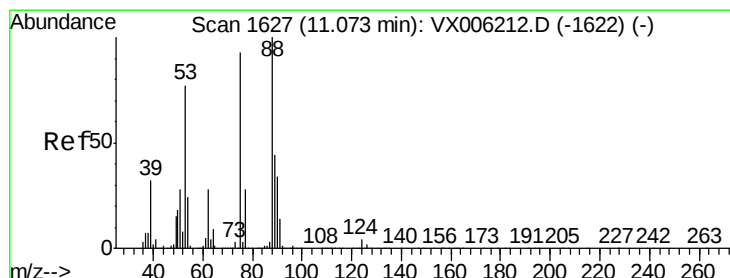
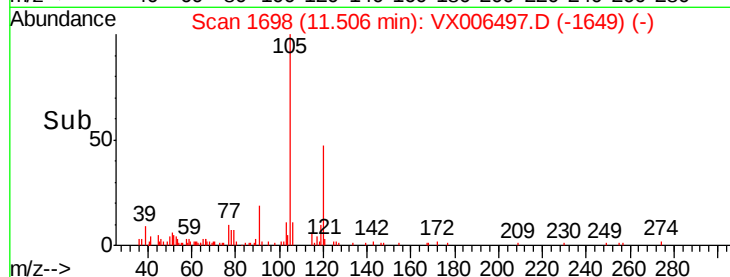
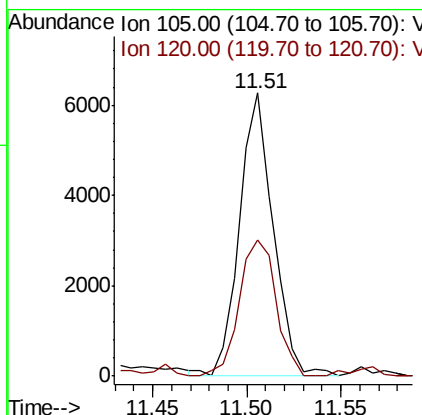
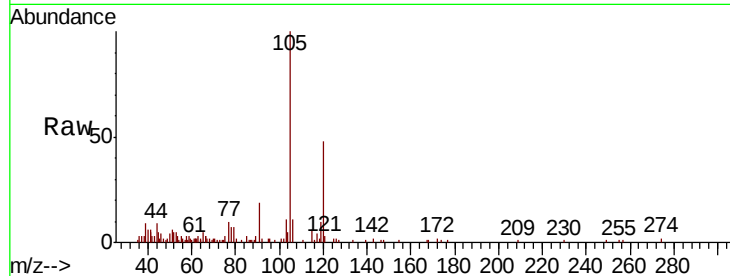




#80
 1,3,5-Trimethylbenzene
 Concen: 0.308 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006497.D
 Acq: 13 Dec 2018 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#05

Tot Ion:105 Resp: 7799
 Ion Ratio Lower Upper
 105 100
 120 52.3 25.4 76.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.228 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006497.D
 Acq: 13 Dec 2018 16:11

Tgt Ion: 75 Resp: 200294
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.4 96.6#
 89 0.0 44.2 66.4#

