

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006499.D
 Acq On : 13 Dec 2018 17:04
 Operator : JC/MD
 Sample : PB115614ZHE#07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#07

Quant Time: Dec 14 00:17:40 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	633395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1016643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	946792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	452503	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	344115	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	5.51	113	303401	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	8.71	98	1209882	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	450350	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

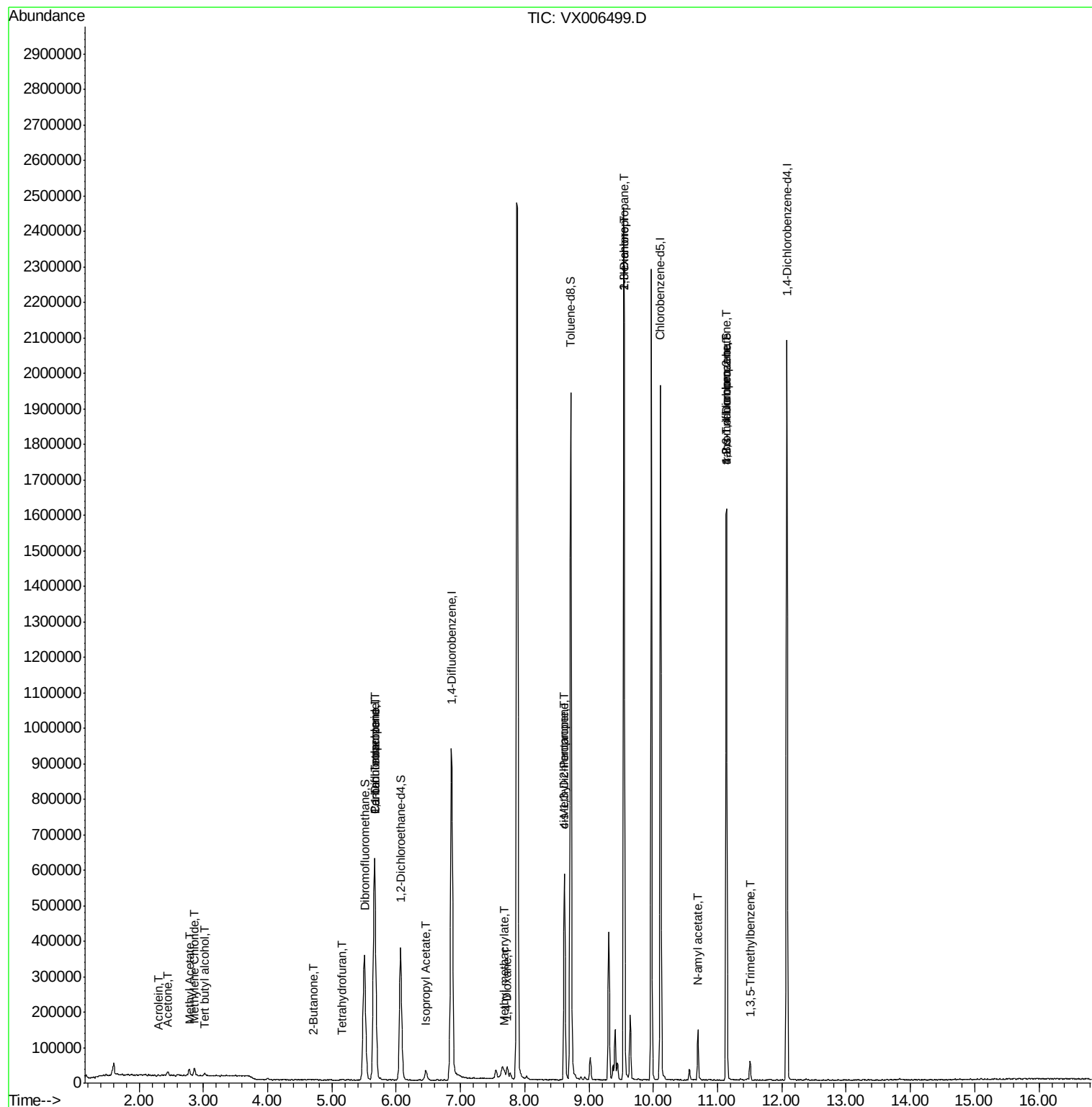
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	3215	1.818	ug/l #	94
13) Acrolein	2.29	56	272	0.281	ug/l #	54
16) Acetone	2.45	43	12308	4.056	ug/l	93
18) Methyl Acetate	2.78	43	26826	2.644	ug/l	93
20) Methylene Chloride	2.86	84	10578	1.638	ug/l #	92
25) 2-Butanone	4.71	43	2362	0.546	ug/l	99
29) Tetrahydrofuran	5.16	42	992	0.330	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	43414	5.071	ug/l #	47
38) Carbon Tetrachloride	5.67	117	59300	5.888	ug/l #	16
43) Isopropyl Acetate	6.46	43	34551	2.161	ug/l	95
48) Methyl methacrylate	7.68	41	17771	2.285	ug/l #	14
49) 1,4-Dioxane	7.73	88	45	0.235	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	183860	19.758	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	101129	9.137	ug/l #	57
57) 1,3-Dichloropropane	9.54	76	22656	2.091	ug/l #	44
59) 2-Hexanone	9.54	43	267379	37.609	ug/l #	51
74) N-amyl acetate	10.69	43	30727	2.283	ug/l #	56
76) 1,2,3-Trichloropropane	11.13	75	203902	23.346	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	22708	0.873	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	203902	54.786	ug/l #	15

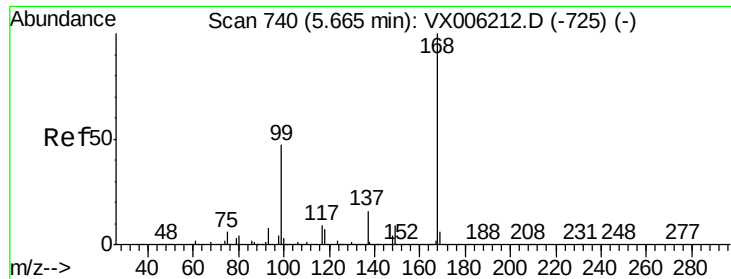
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

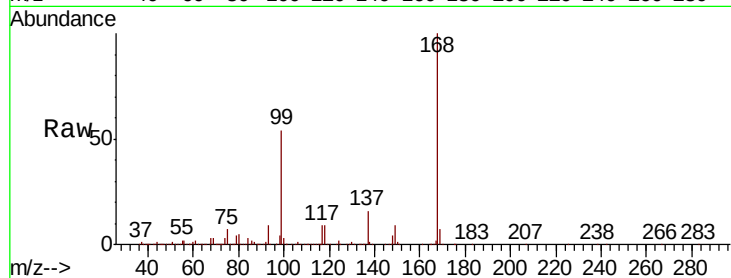
PB115614ZHE#07

Tot Ion:168 Resp: 633395

Ion Ratio Lower Upper

168 100

99 53.6 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

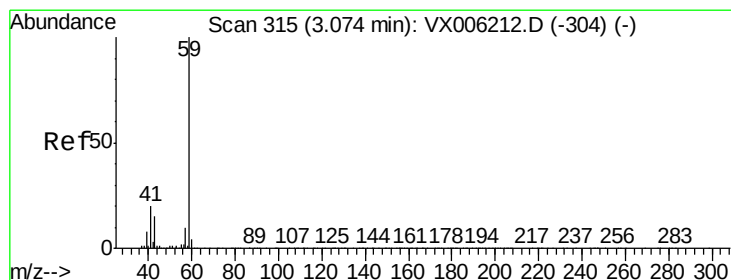
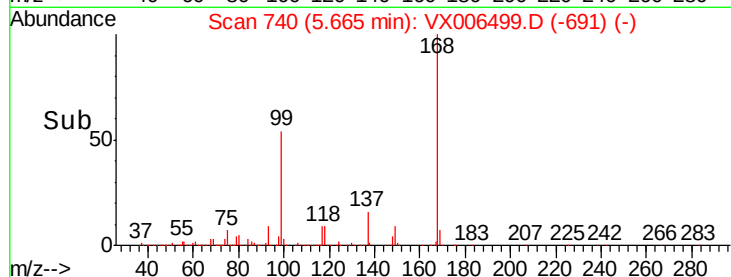
Time-->

5.50

5.60

5.70

5.80



#11

Tert butyl alcohol

Concen: 1.818 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006499.D

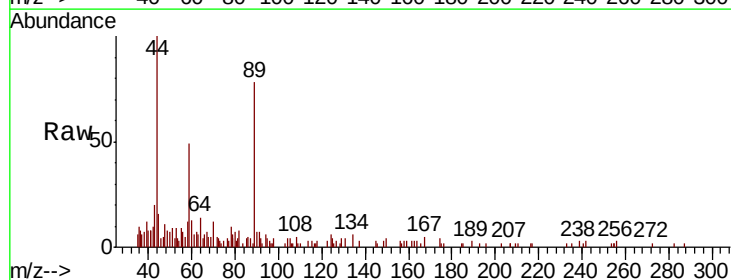
Acq: 13 Dec 2018 17:04

Tgt Ion: 59 Resp: 3215

Ion Ratio Lower Upper

59 100

57 12.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

1500

1000

500

0

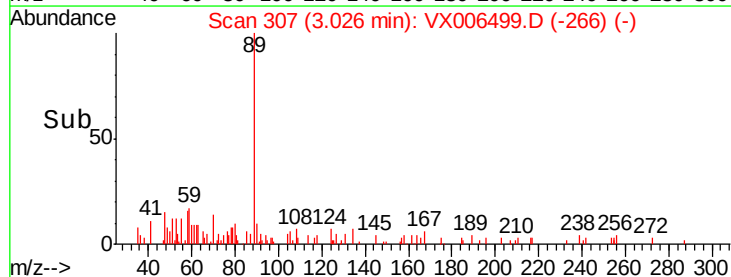
Time-->

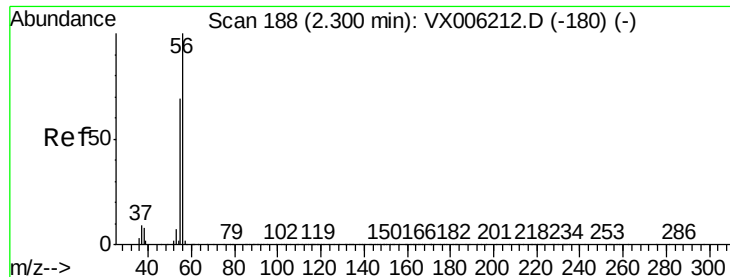
2.95

3.00

3.05

3.10





#13

Acrolein

Concen: 0.281 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

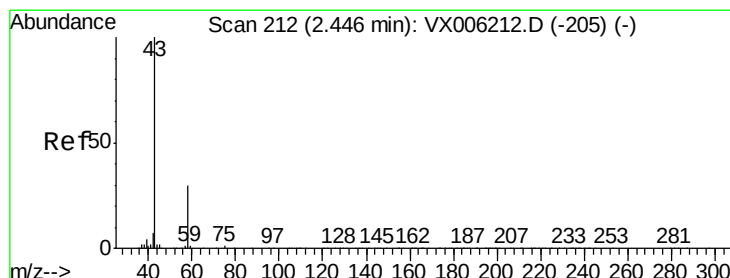
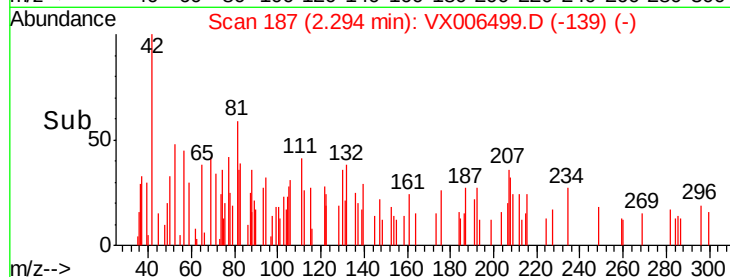
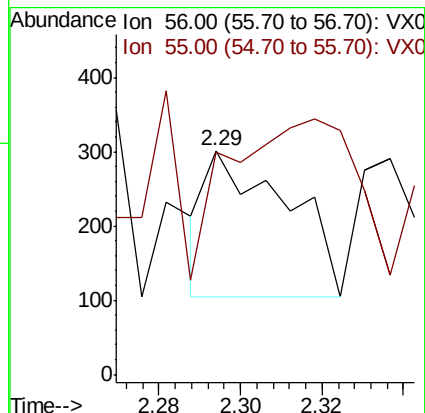
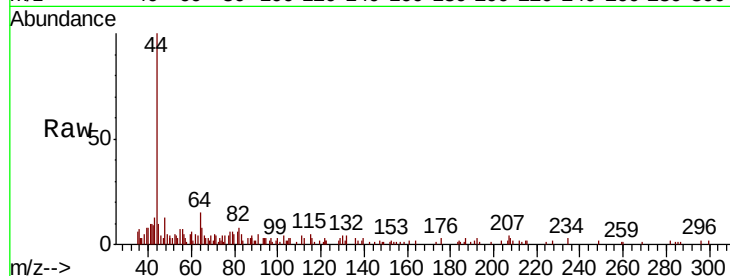
PB115614ZHE#07

Tot Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 34.2 57.8 86.6#



#16

Acetone

Concen: 4.056 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006499.D

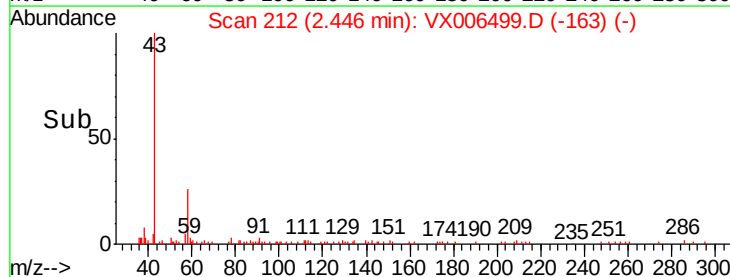
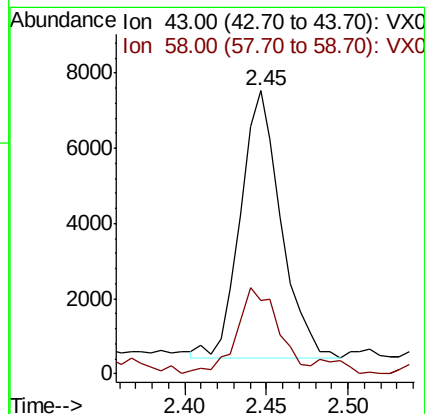
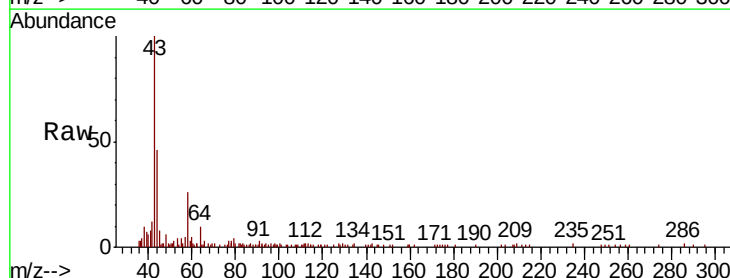
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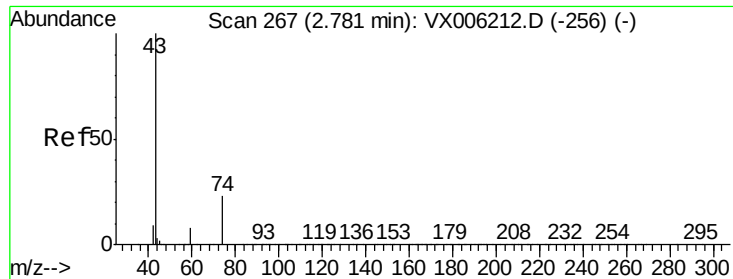
Tgt Ion: 43 Resp: 12308

Ion Ratio Lower Upper

43 100

58 26.4 24.0 36.0

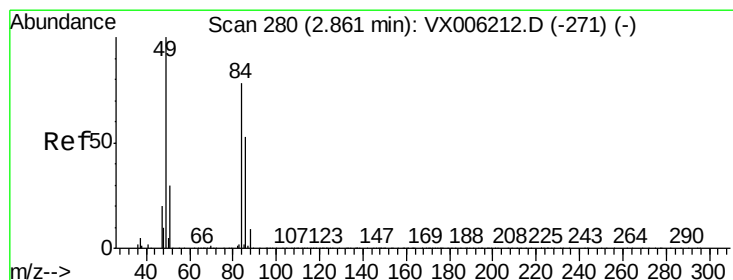
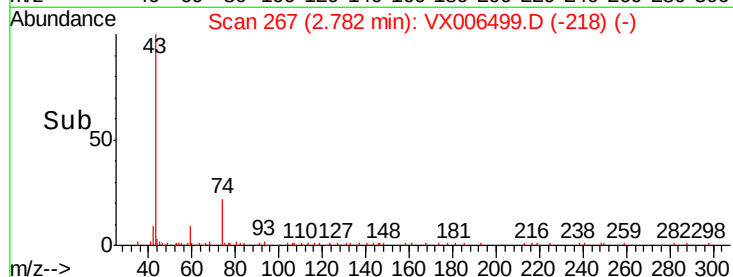
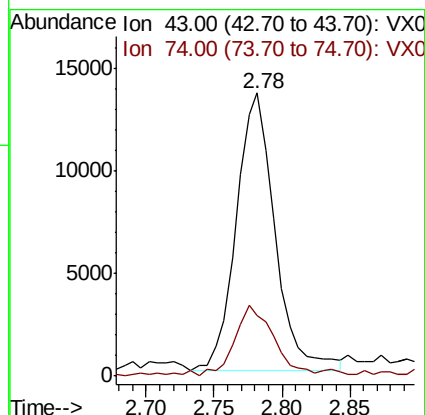
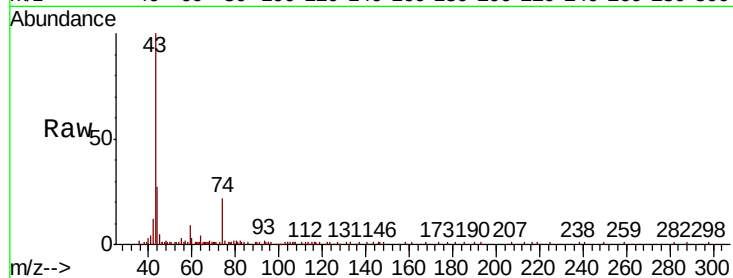




#18
Methyl Acetate
Concen: 2.644 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

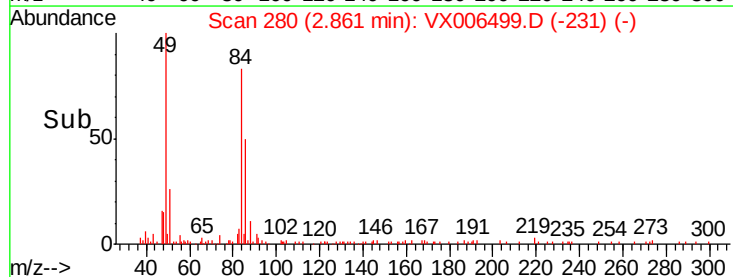
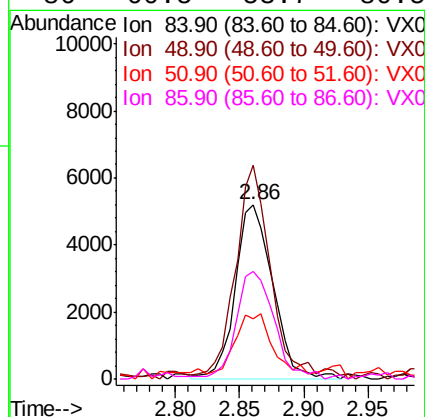
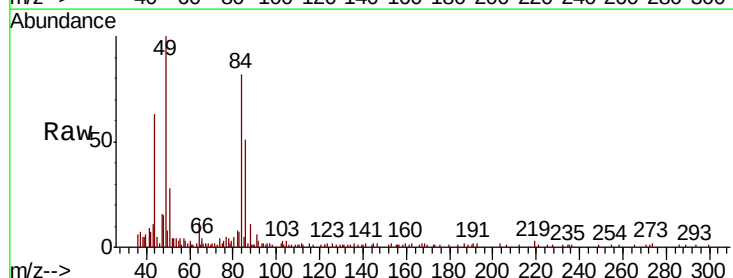
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#07

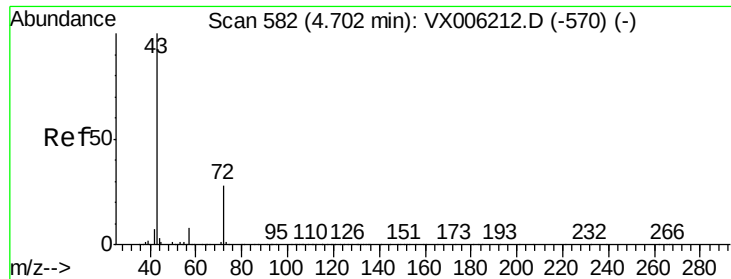
Tot Ion: 43 Resp: 26826
Ion Ratio Lower Upper
43 100
74 25.5 17.9 26.9



#20
Methylene Chloride
Concen: 1.638 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

Tgt Ion: 84 Resp: 10578
Ion Ratio Lower Upper
84 100
49 120.2 102.2 153.4
51 30.6 31.1 46.7#
86 60.5 53.7 80.5

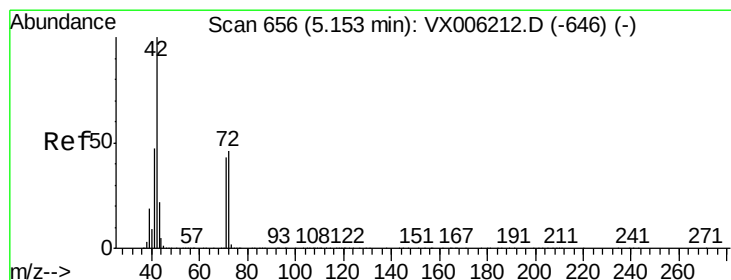
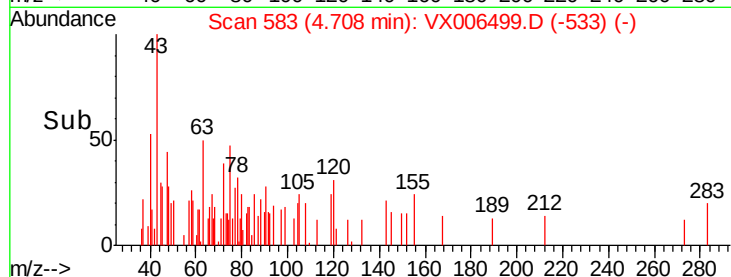
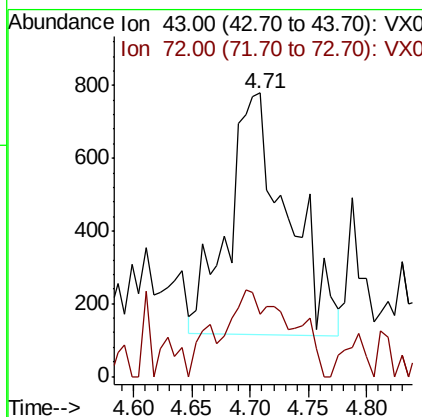
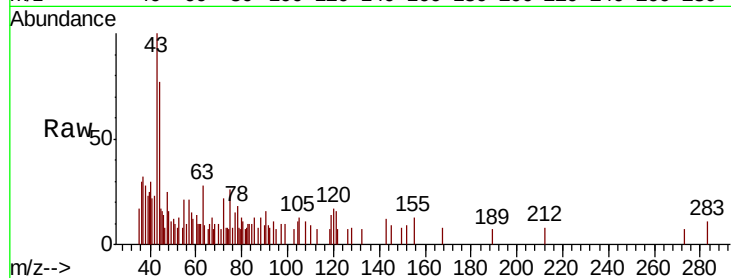




#25
2-Butanone
Concen: 0.546 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

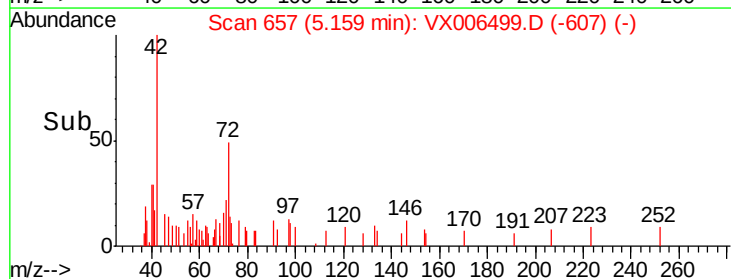
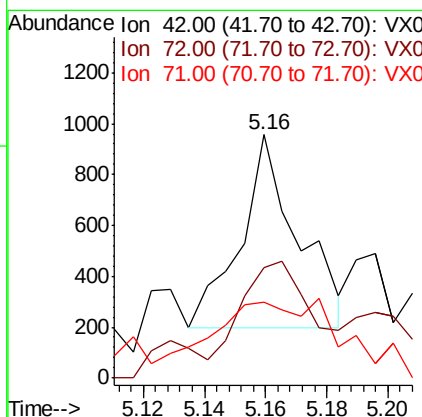
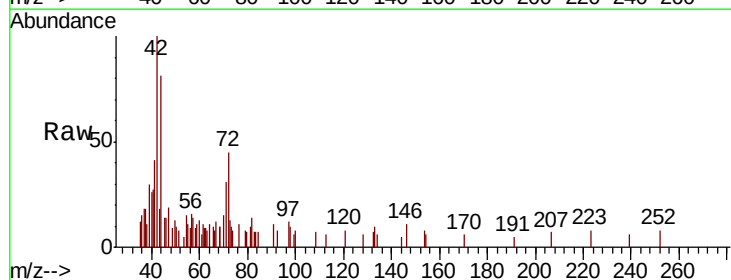
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#07

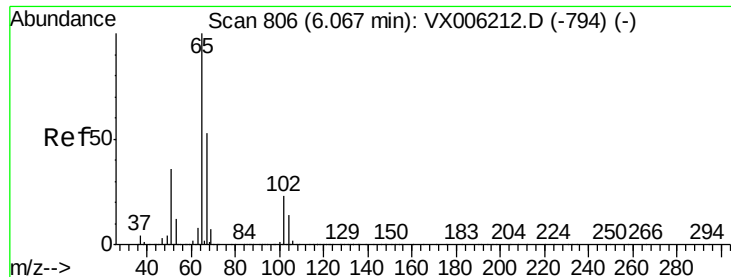
Tot Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
72 27.7 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.330 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

Tgt Ion: 42 Resp: 992
Ion Ratio Lower Upper
42 100
72 67.5 37.8 56.8#
71 0.0 35.2 52.8#

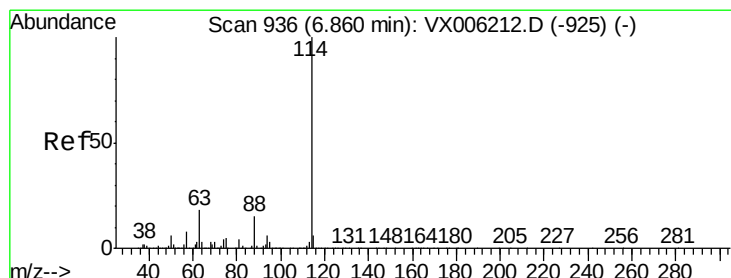
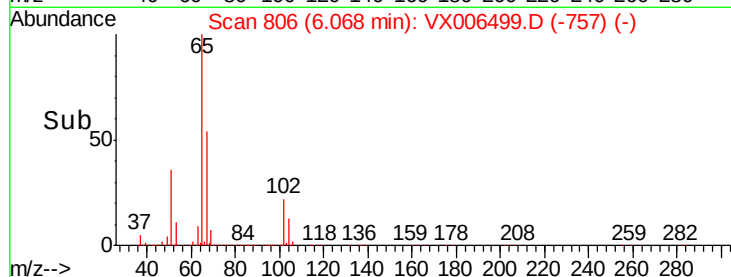
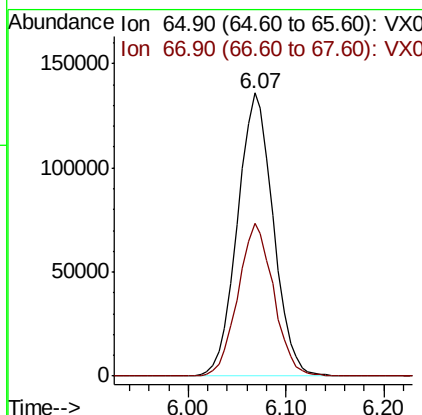
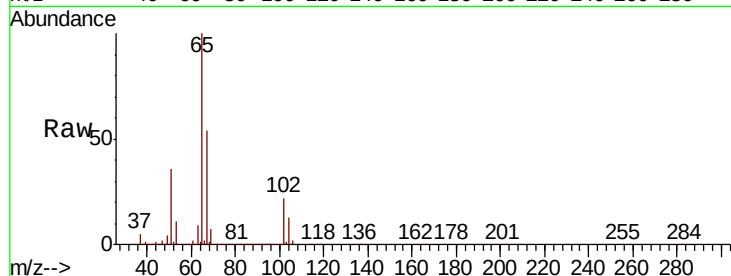




#33
 1,2-Dichloroethane-d4
 Concen: 53.220 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006499.D
 Acq: 13 Dec 2018 17:04

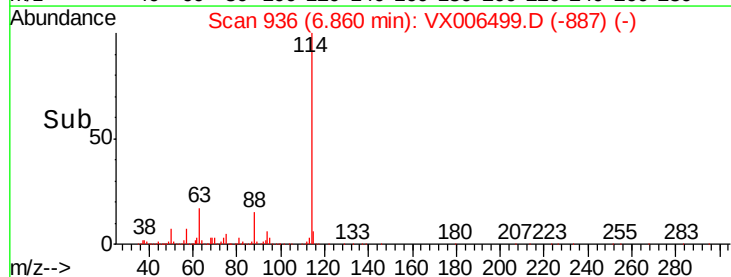
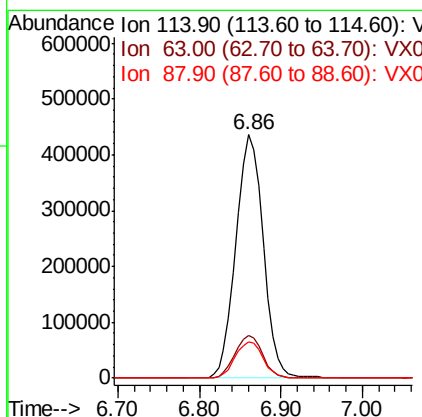
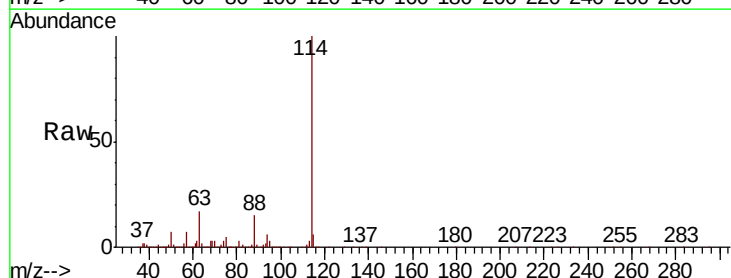
Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#07

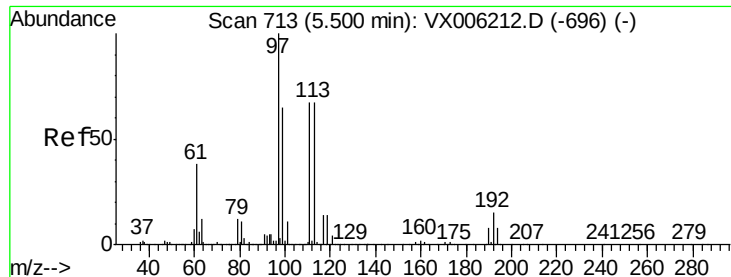
Tot Ion: 65 Resp: 344115
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006499.D
 Acq: 13 Dec 2018 17:04

Tgt Ion: 114 Resp: 1016643
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.093 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#07

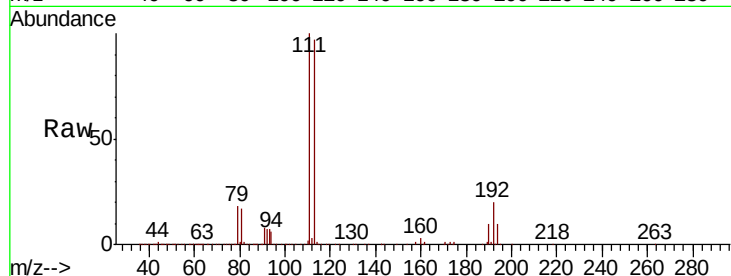
Tot Ion:113 Resp: 303401

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

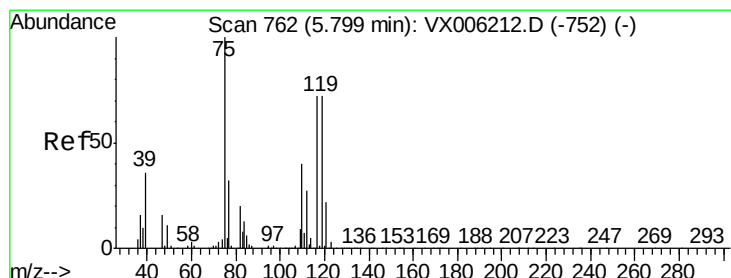
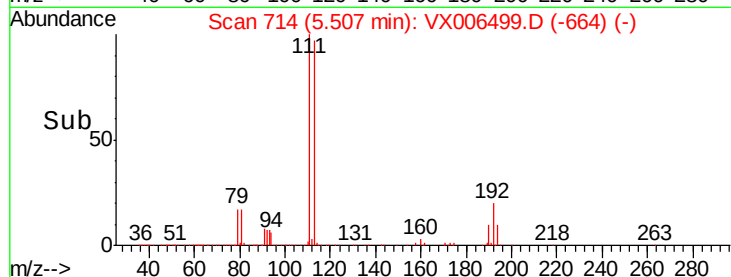
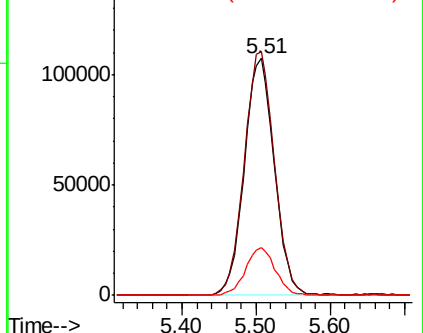
192 20.0 18.2 27.2



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: 5.071 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

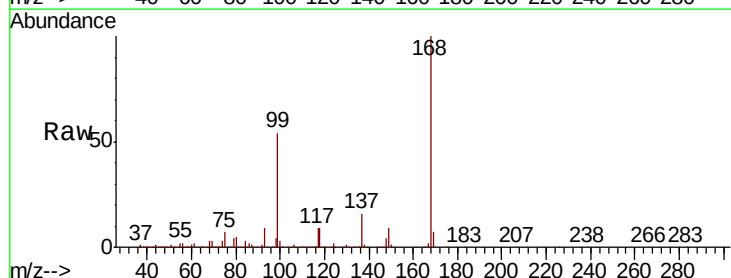
Tgt Ion: 75 Resp: 43414

Ion Ratio Lower Upper

75 100

110 9.1 20.4 61.3#

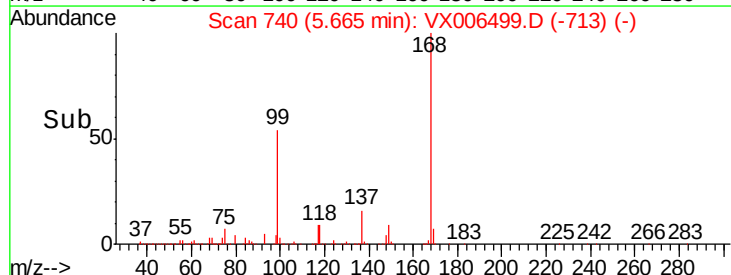
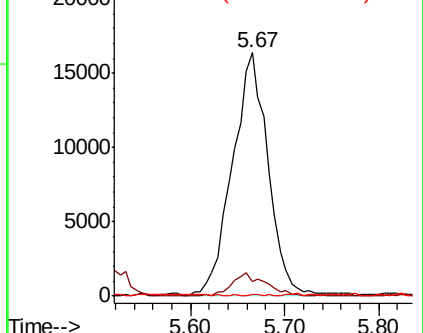
77 0.4 24.9 37.3#

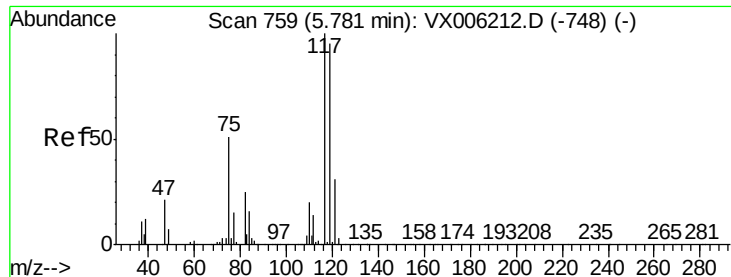


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.888 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#07

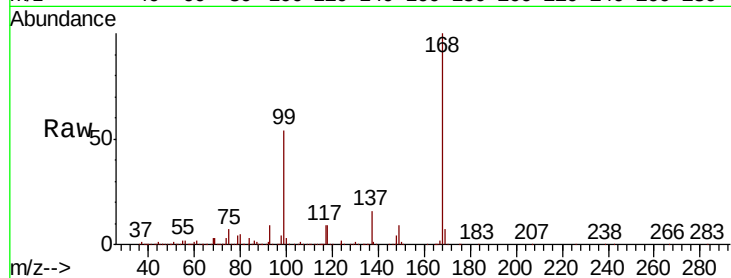
Tot Ion:117 Resp: 59300

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

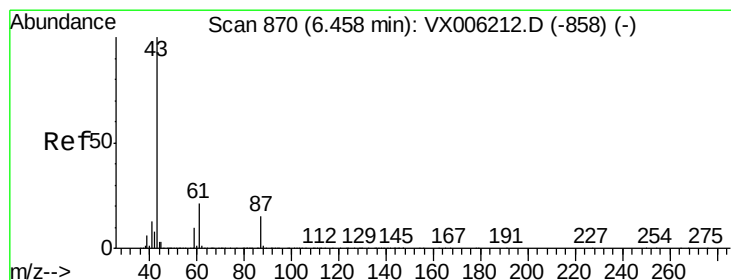
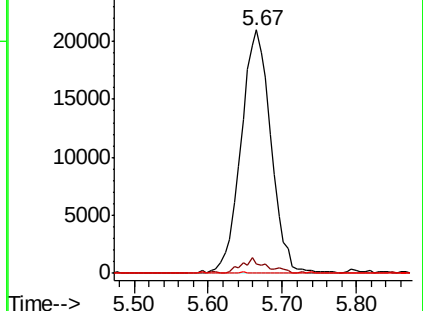
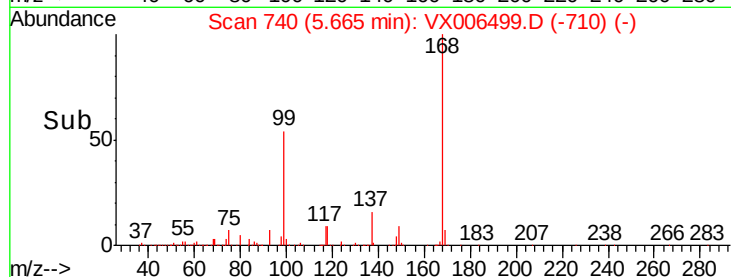
121 0.0 24.6 37.0#



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: 2.161 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

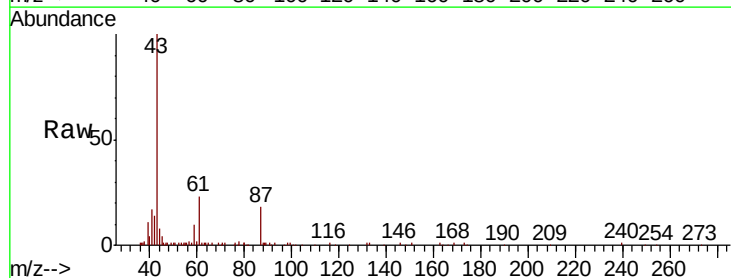
Tgt Ion: 43 Resp: 34551

Ion Ratio Lower Upper

43 100

61 23.0 16.8 25.2

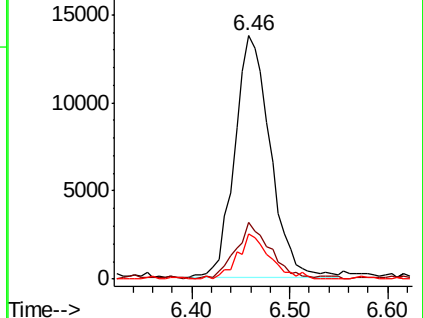
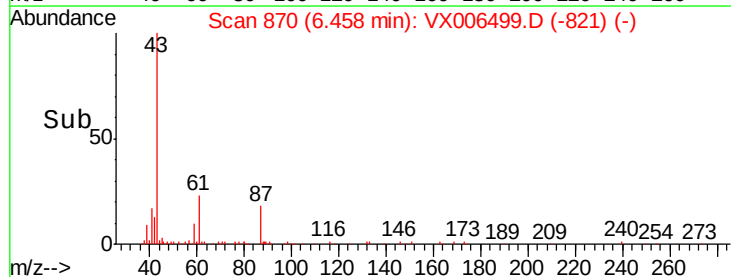
87 17.1 11.9 17.9

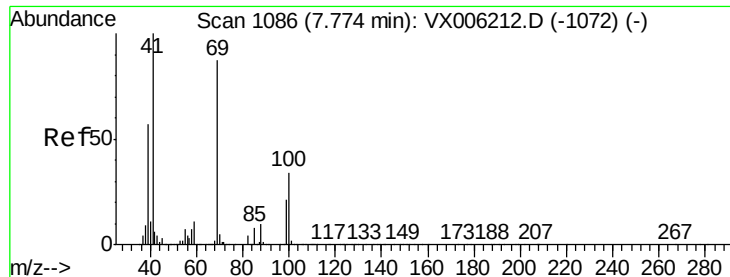


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

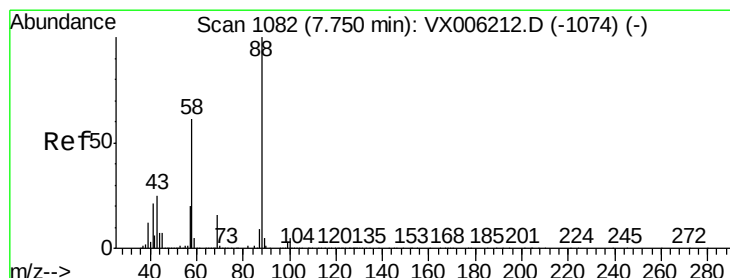
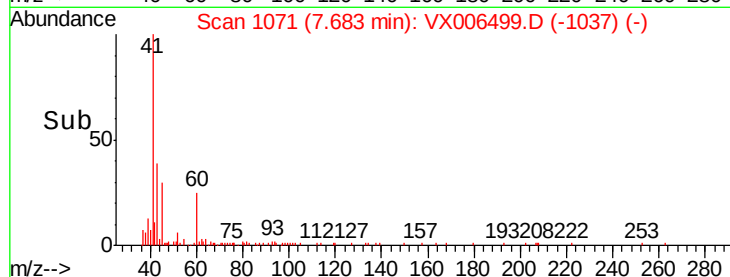
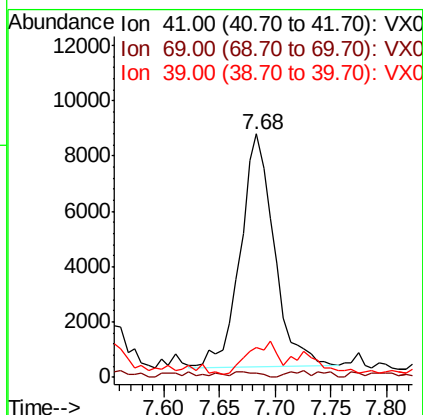
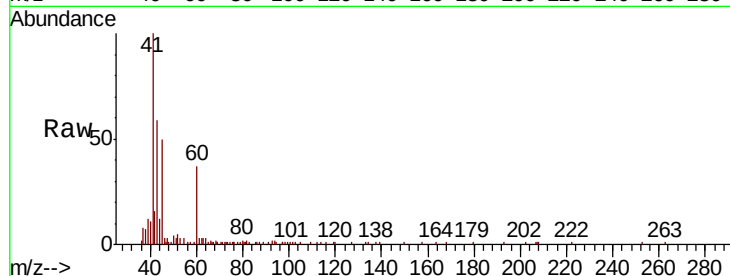




#48
Methvl methacrylate
Concen: 2.285 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

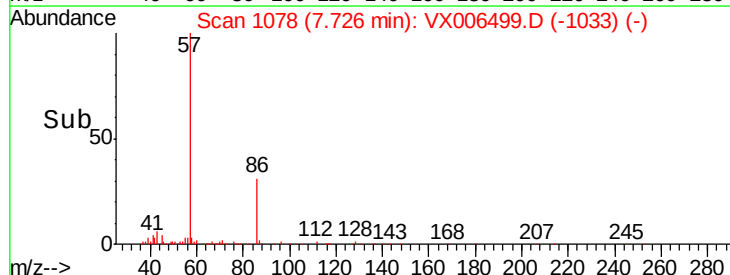
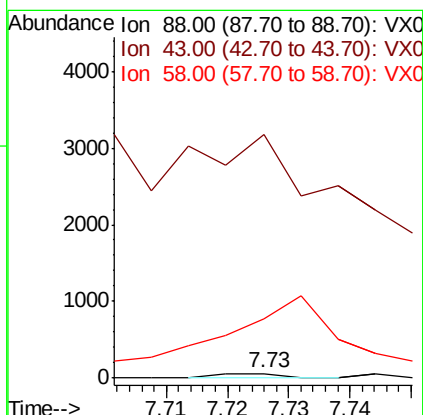
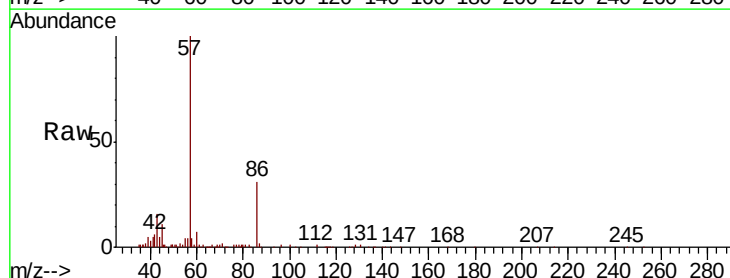
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#07

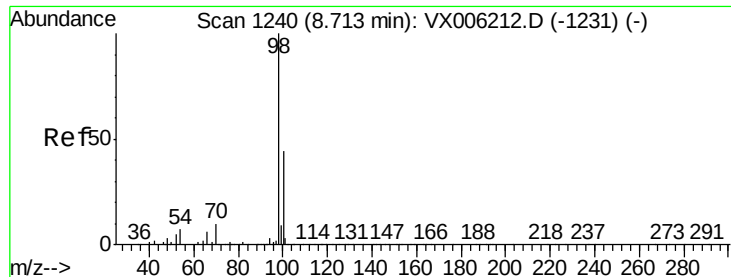
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.5	70.3	105.5#
39	0.0	45.3	67.9#



#49
1,4-Dioxane
Concen: 0.235 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	3884.4	51.4	77.0#





#50

Toluene-d8

Concen: 50.532 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

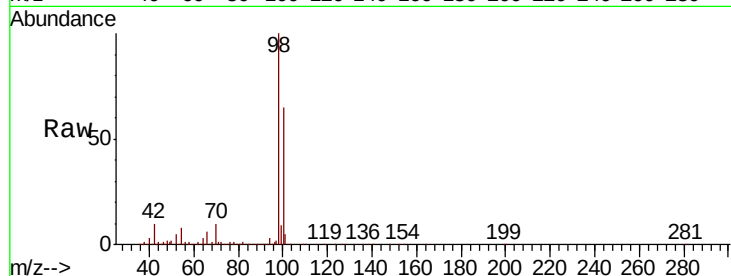
PB115614ZHE#07

Tot Ion: 98 Resp: 1209882

Ion Ratio Lower Upper

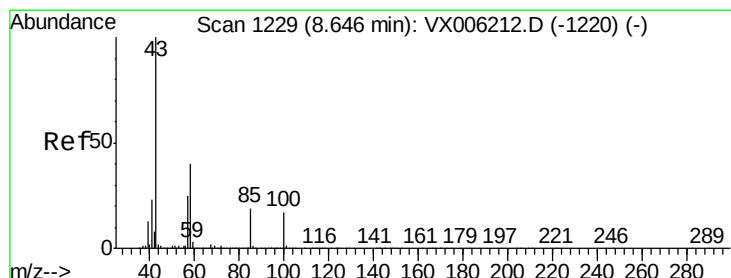
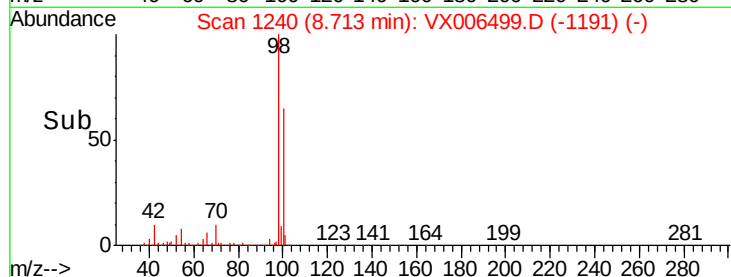
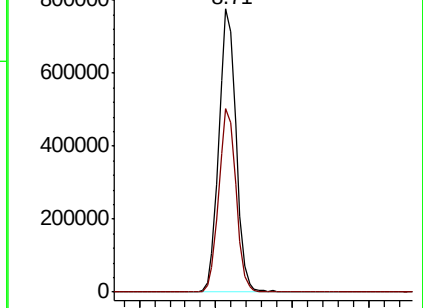
98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 19.758 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006499.D

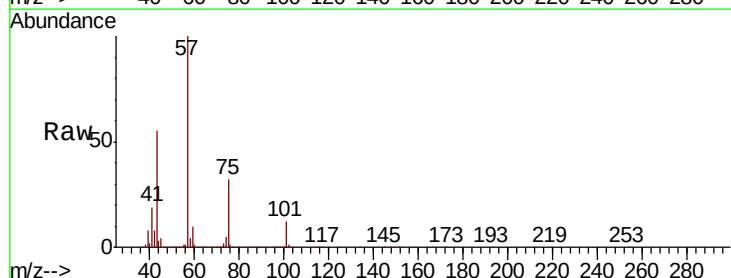
Acq: 13 Dec 2018 17:04

Tgt Ion: 43 Resp: 183860

Ion Ratio Lower Upper

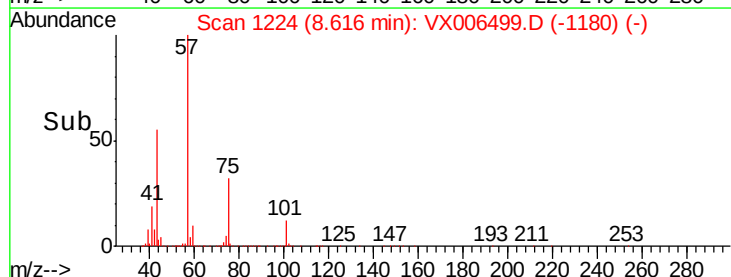
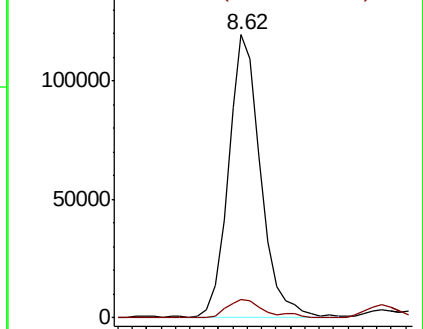
43 100

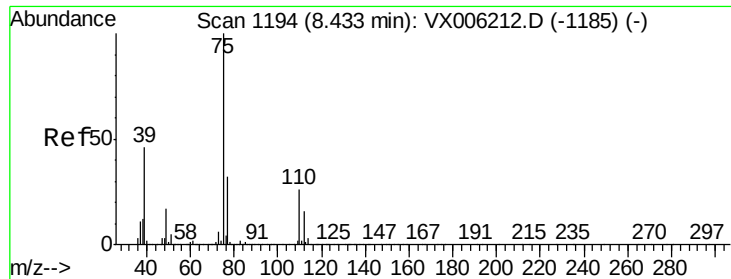
58 8.0 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 9.137 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#07

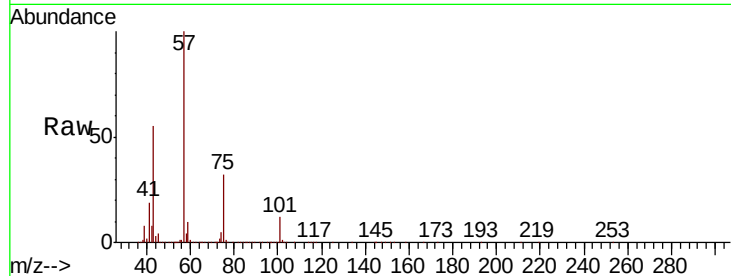
Tot Ion: 75 Resp: 101129

Ion Ratio Lower Upper

75 100

77 0.3 25.6 38.4#

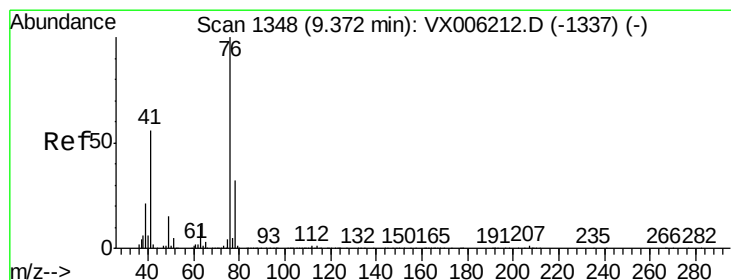
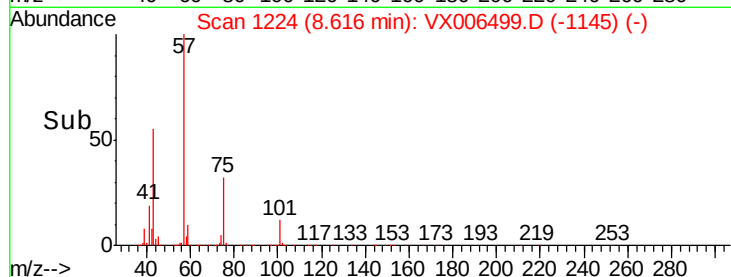
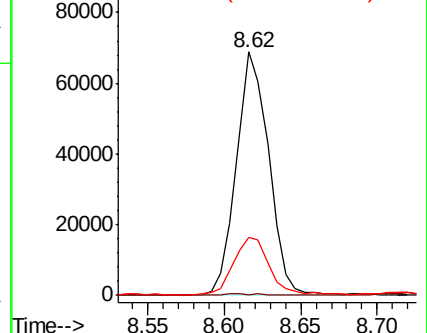
39 23.7 36.5 54.7#



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-Dichloropropene

Concen: 2.091 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006499.D

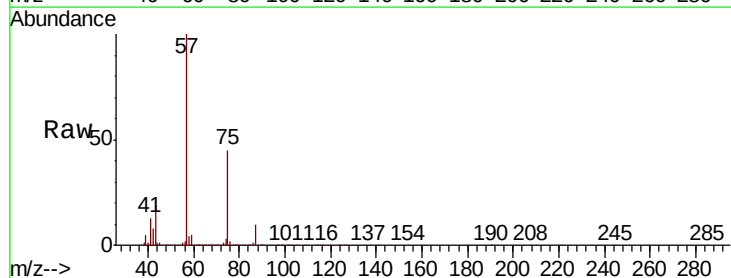
Acq: 13 Dec 2018 17:04

Tgt Ion: 76 Resp: 22656

Ion Ratio Lower Upper

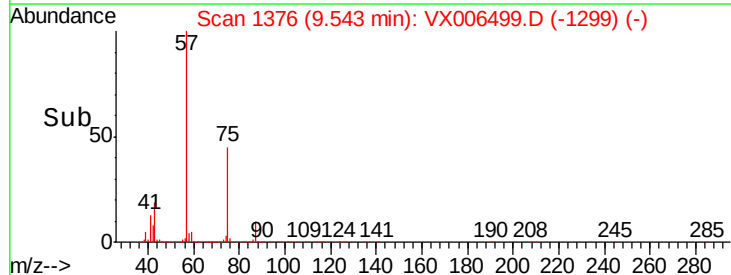
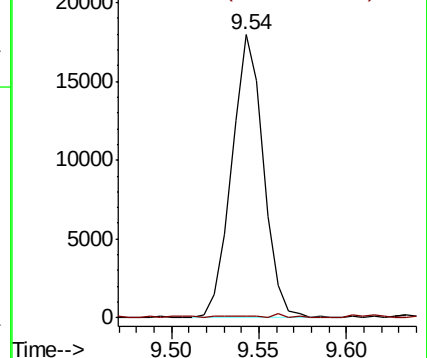
76 100

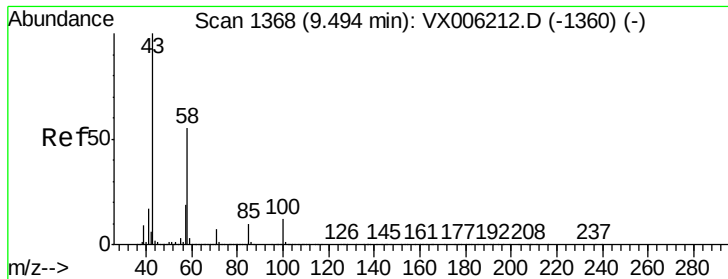
78 0.9 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

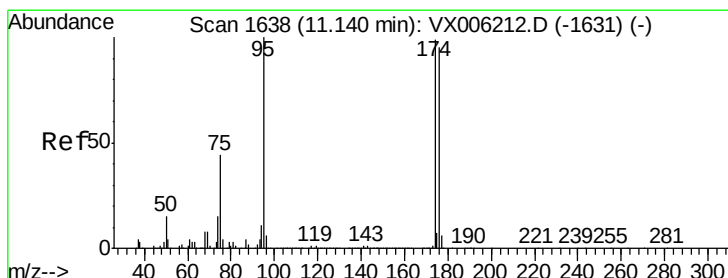
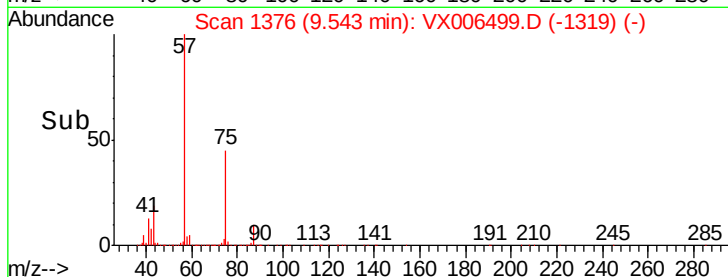
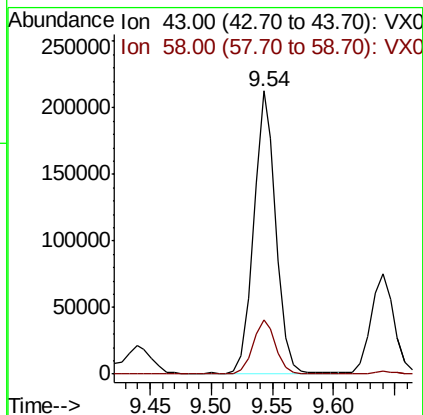
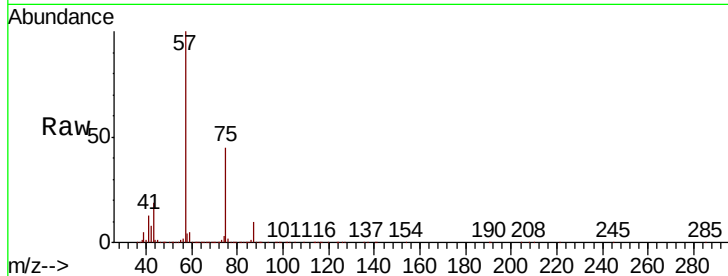




#59
2-Hexanone
Concen: 37.609 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

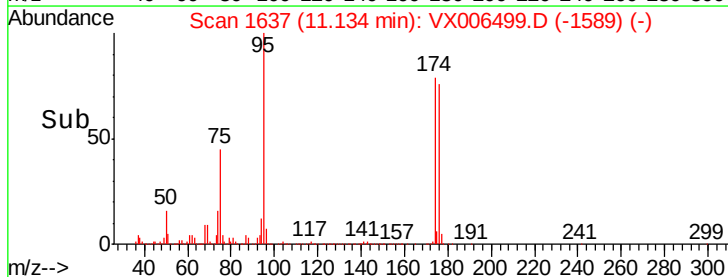
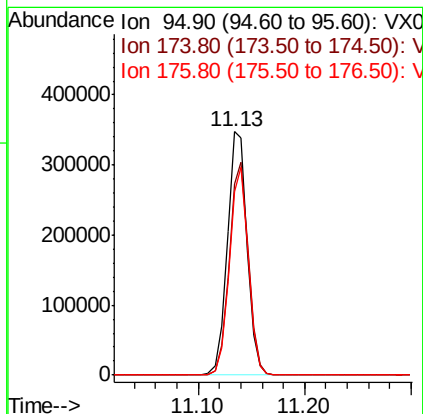
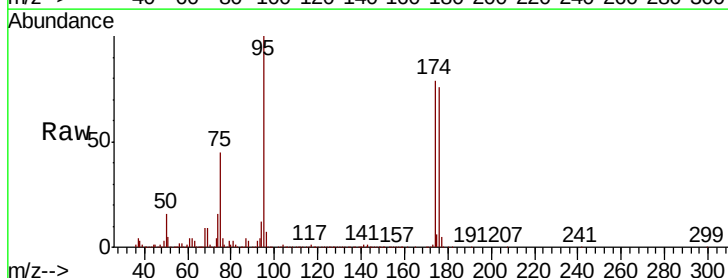
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#07

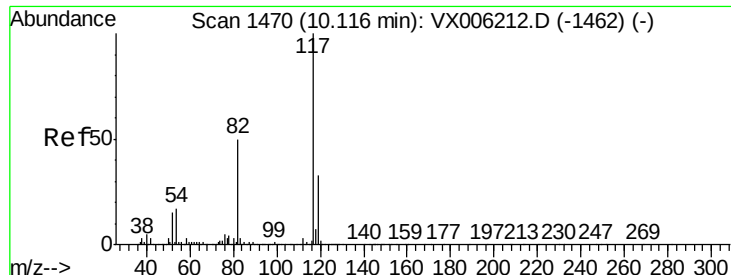
Tot Ion: 43 Resp: 267379
Ion Ratio Lower Upper
43 100
58 19.9 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 49.915 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

Tgt Ion: 95 Resp: 450350
Ion Ratio Lower Upper
95 100
174 85.3 0.0 187.0
176 82.3 0.0 181.8

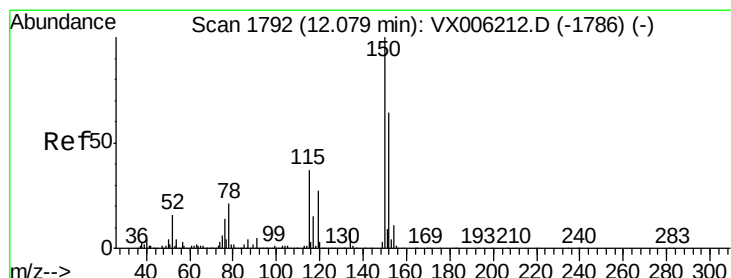
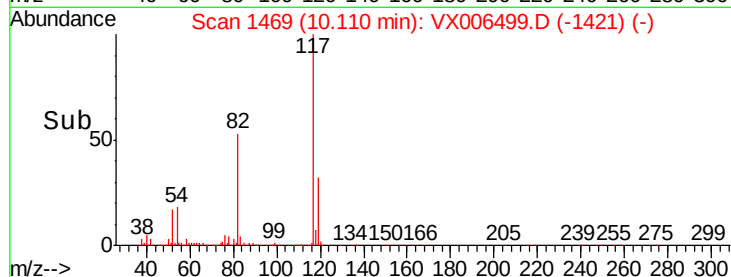
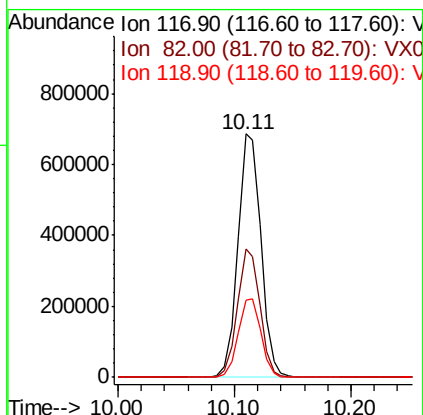
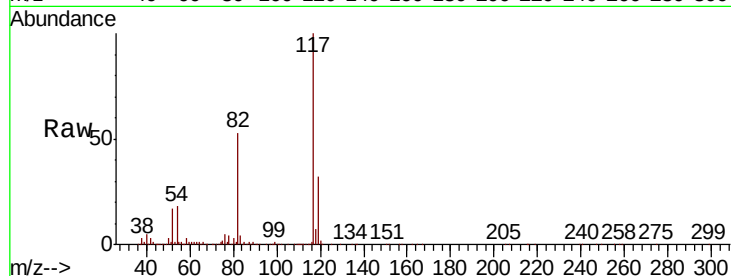




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

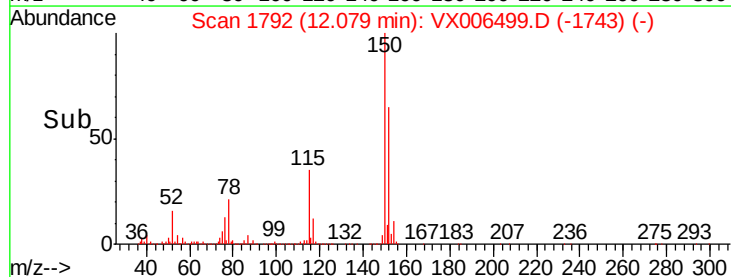
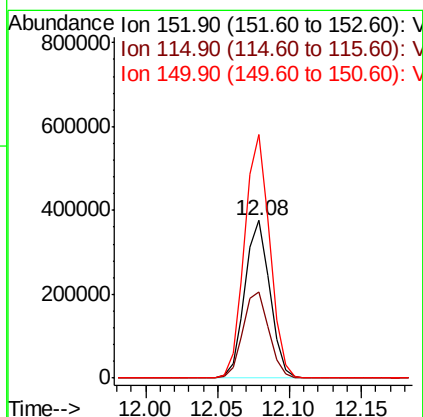
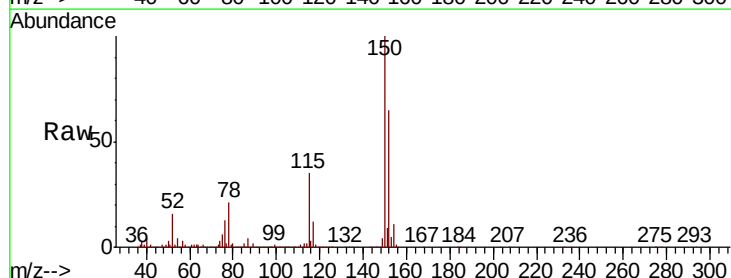
Instrument :
MSVOA_X
ClientSampleId :
PB115614ZHE#07

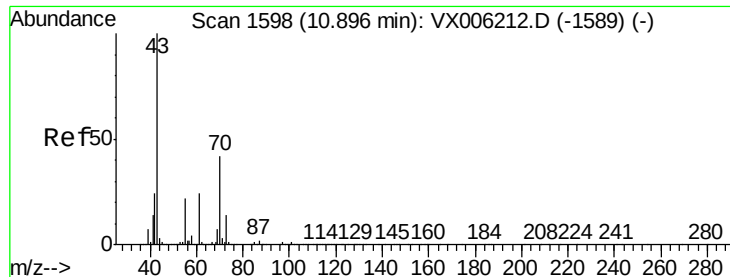
Tot Ion:117 Resp: 946792
Ion Ratio Lower Upper
117 100
82 53.0 39.6 59.4
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006499.D
Acq: 13 Dec 2018 17:04

Tgt Ion:152 Resp: 452503
Ion Ratio Lower Upper
152 100
115 56.7 39.0 116.9
150 155.7 0.0 345.8





#74

N-amvl acetate

Concen: 2.283 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006499.D

Acq: 13 Dec 2018 17:04

Instrument :

MSVOA_X

ClientSampleId :

PB115614ZHE#07

Tot Ion: 43 Resp: 30727

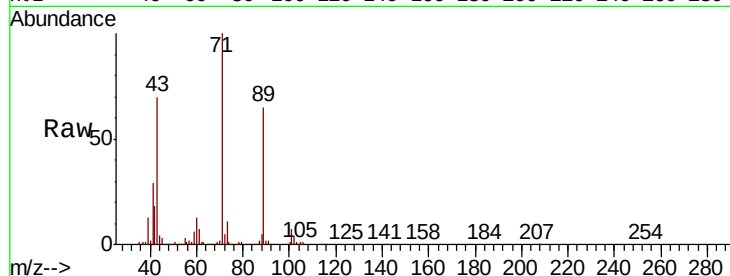
Ion Ratio Lower Upper

43 100

70 3.0 34.1 51.1#

55 5.1 17.8 26.8#

61 13.8 19.7 29.5#

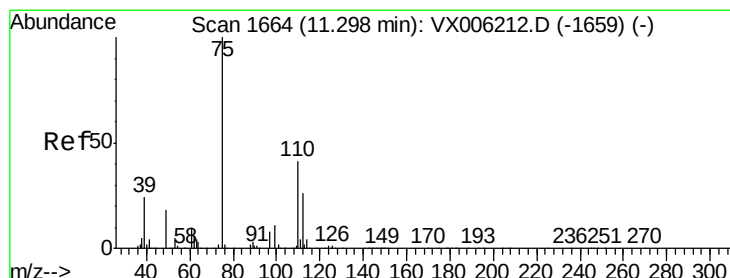
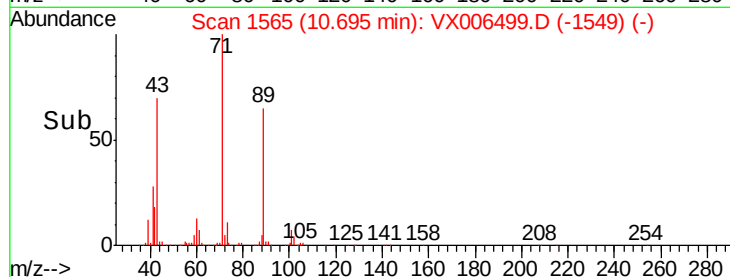
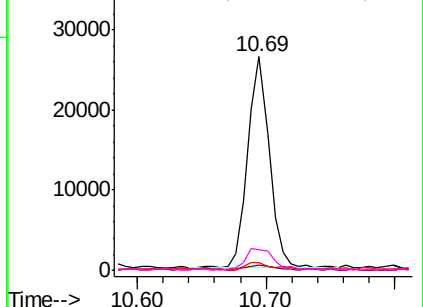


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.346 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006499.D

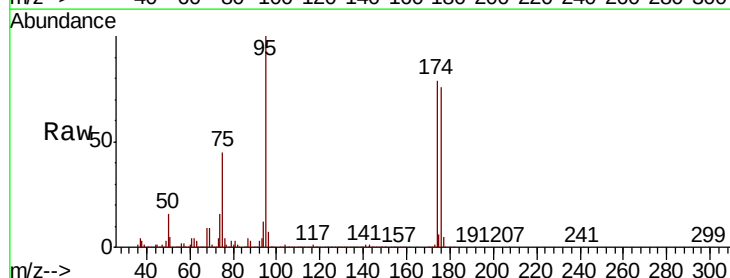
Acq: 13 Dec 2018 17:04

Tgt Ion: 75 Resp: 203902

Ion Ratio Lower Upper

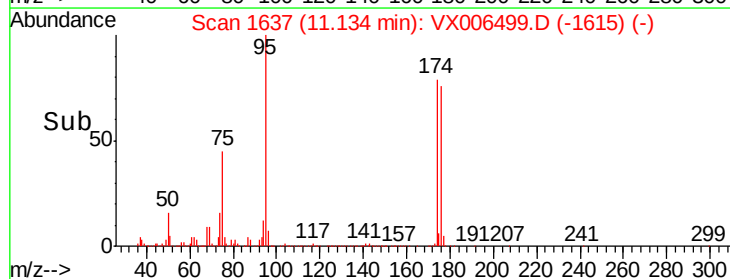
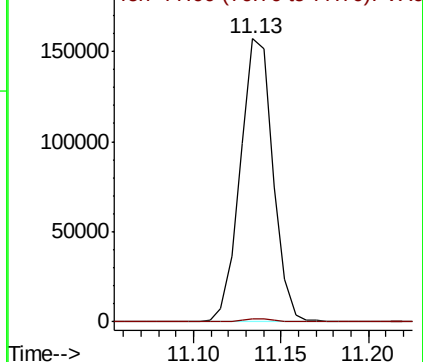
75 100

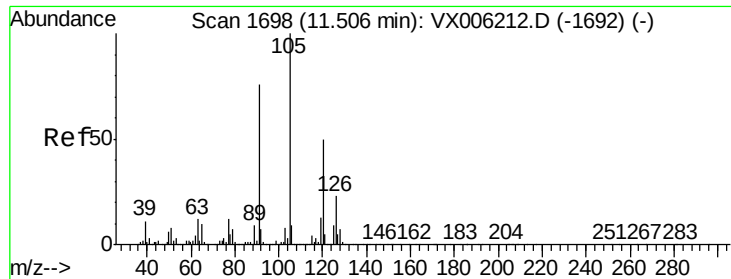
77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

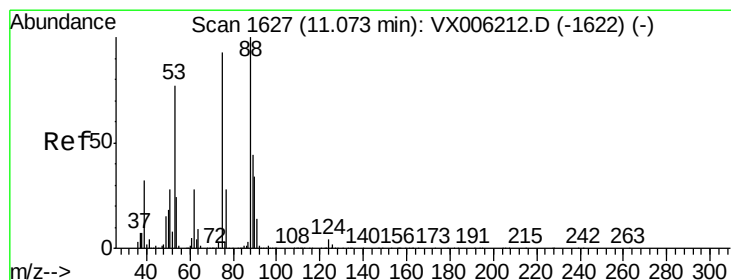
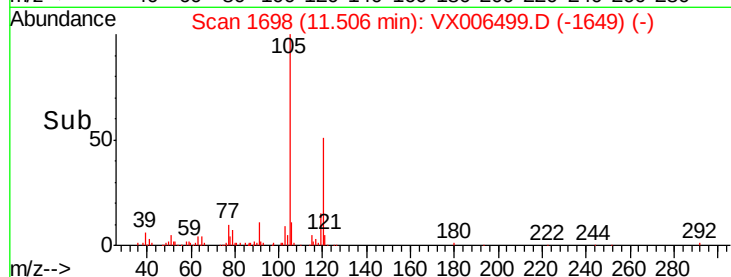
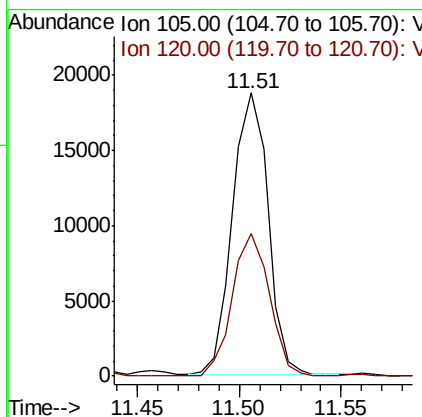
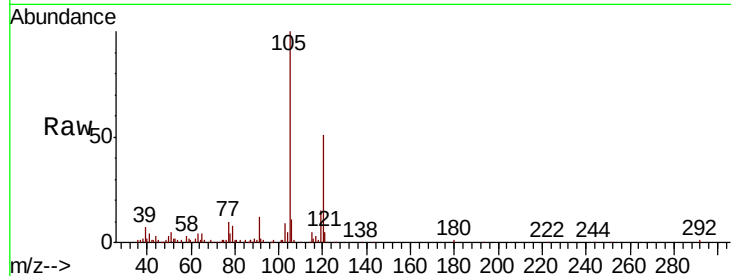




#80
 1,3,5-Trimethylbenzene
 Concen: 0.873 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006499.D
 Acq: 13 Dec 2018 17:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PB115614ZHE#07

Tot Ion:105 Resp: 22708
 Ion Ratio Lower Upper
 105 100
 120 53.3 25.4 76.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.786 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006499.D
 Acq: 13 Dec 2018 17:04

Tgt Ion: 75 Resp: 203902
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.4 96.6#
 89 0.1 44.2 66.4#

