

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006524.D
 Acq On : 14 Dec 2018 18:18
 Operator : JC/MD
 Sample : J6396-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:37:39 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	689696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1105762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1012122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	474813	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	380745	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	5.51	113	326666	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
50) Toluene-d8	8.71	98	1305741	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	476338	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	

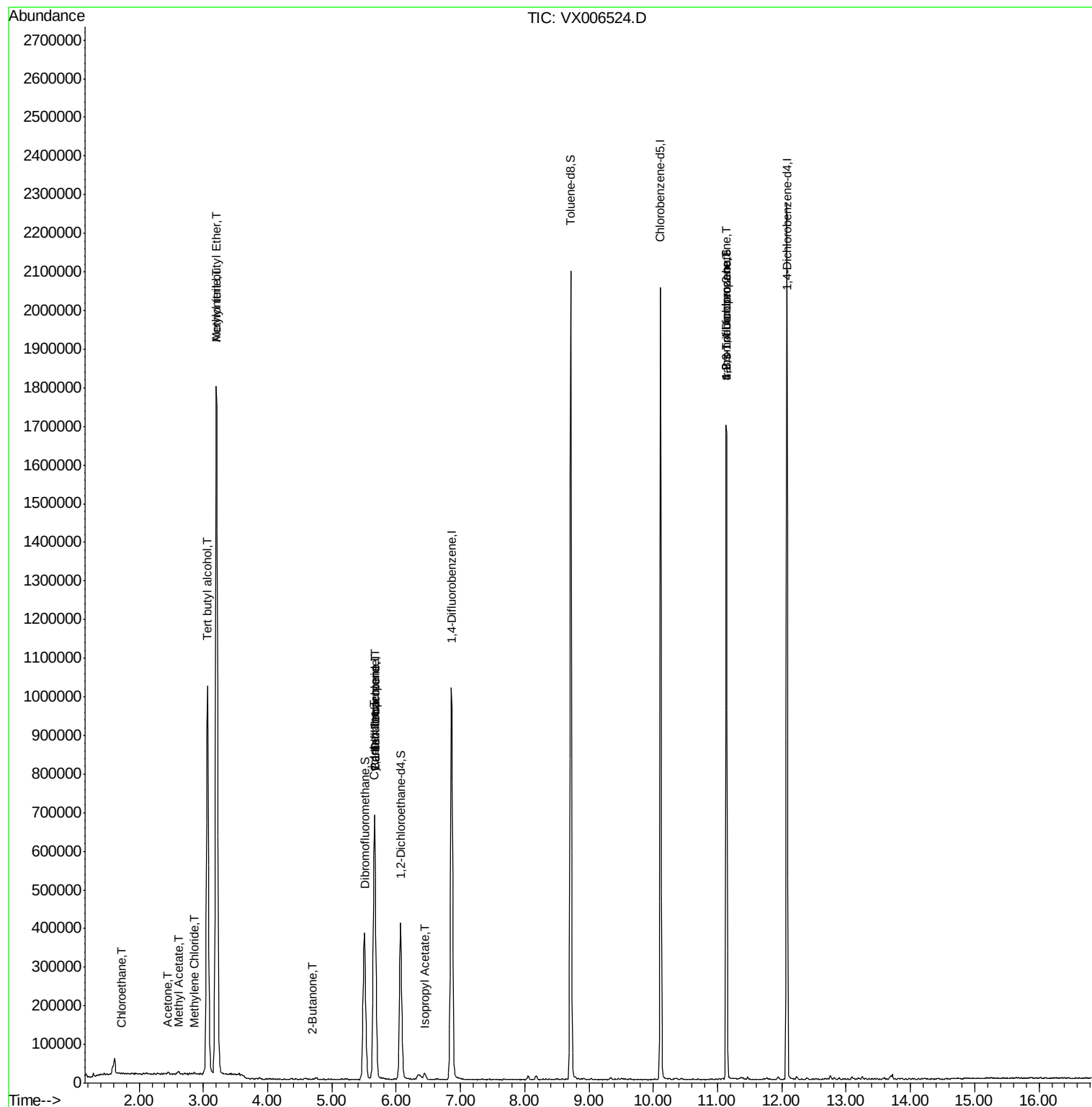
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	919	0.201	ug/l #	42
11) Tert butyl alcohol	3.06	59	1291162	670.570	ug/l	100
15) Acrylonitrile	3.20	53	20547	5.114	ug/l #	30
16) Acetone	2.44	43	5655	1.711	ug/l	93
18) Methyl Acetate	2.62	43	2526	0.229	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	2077387	93.310	ug/l	98
20) Methylene Chloride	2.85	84	2286	0.325	ug/l #	94
25) 2-Butanone	4.70	43	1413	0.300	ug/l	95
31) Cyclohexane	5.65	56	11017	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	47502	5.101	ug/l #	48
38) Carbon Tetrachloride	5.66	117	65416	5.972	ug/l #	16
43) Isopropyl Acetate	6.44	43	6522	0.375	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	217861	23.772	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	217861	55.786	ug/l #	15

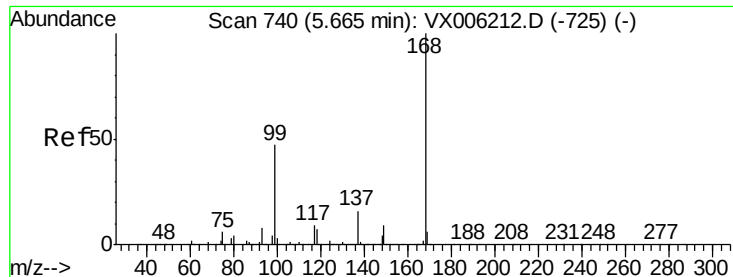
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA_X

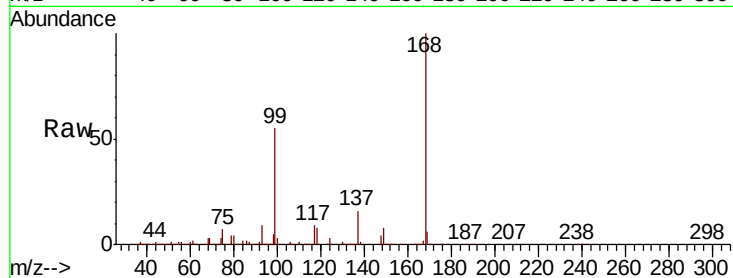
ClientSampleId :

Tot Ion:168 Resp: 689696

Ion Ratio Lower Upper

168 100

99 54.7 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

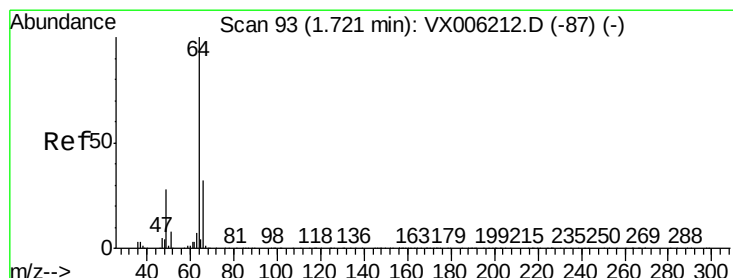
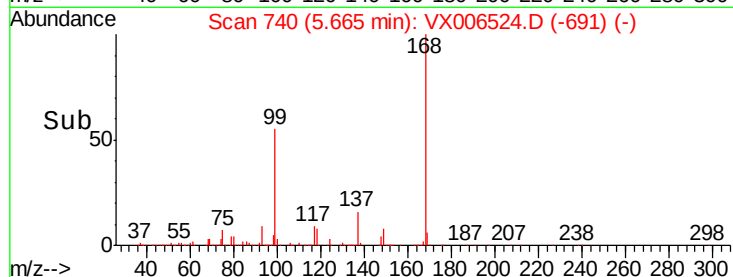
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006524.D

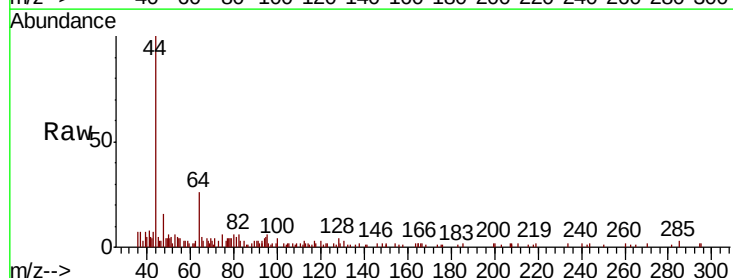
Acq: 14 Dec 2018 18:18

Tgt Ion: 64 Resp: 919

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

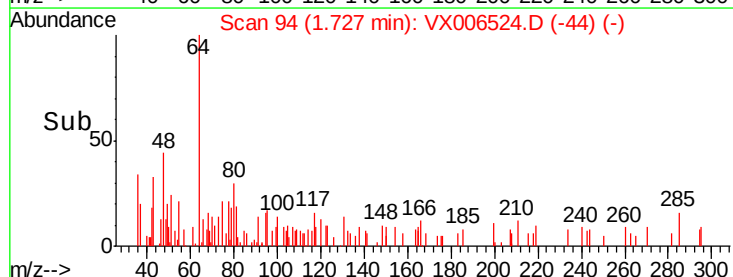
1500

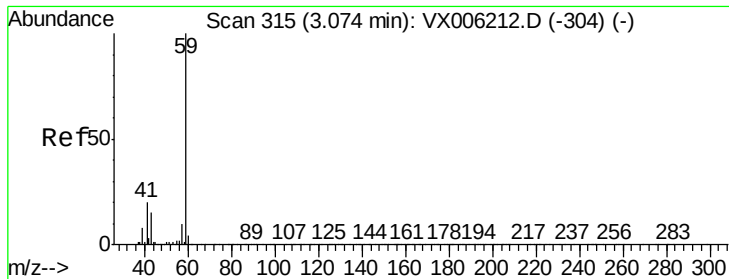
1000

500

0

Time--> 1.70 1.72 1.74 1.76



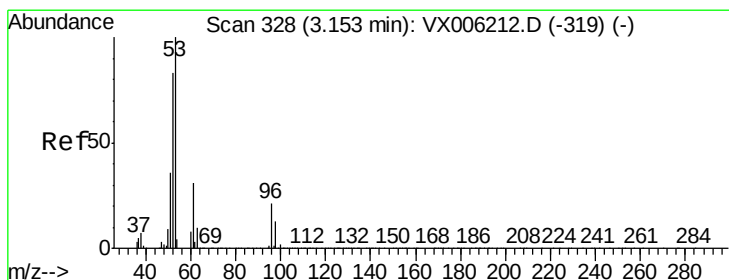
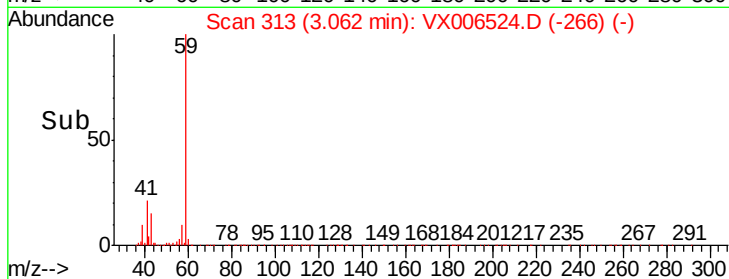
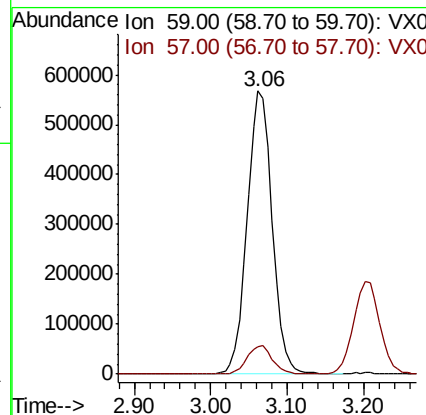
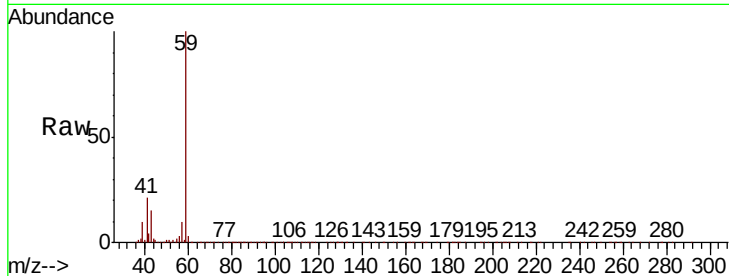


#11

Tert butyl alcohol
 Concen: 670.570 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX006524.D
 Acq: 14 Dec 2018 18:18

Instrument :
 MSVOA_X
 ClientSampleId :

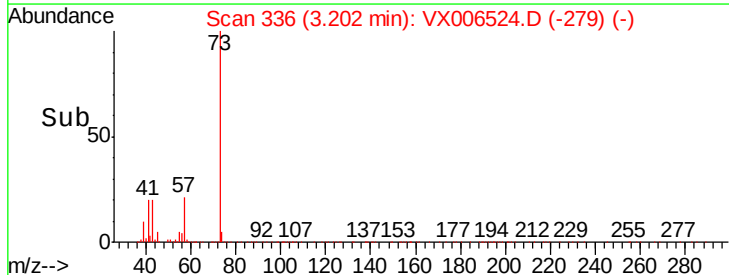
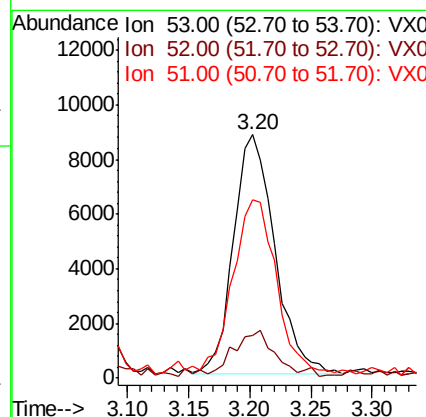
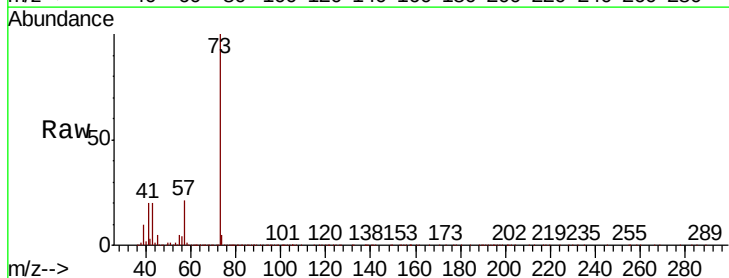
Tot Ion: 59 Resp: 1291162
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

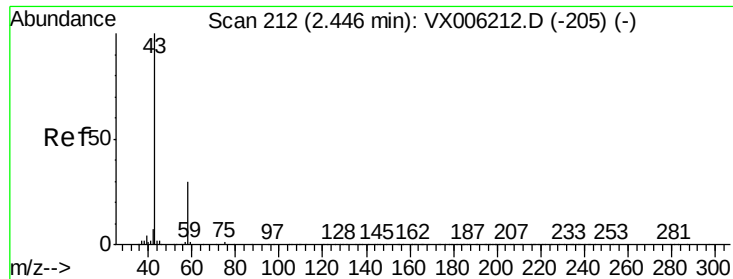


#15

Acrylonitrile
 Concen: 5.114 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.05 min
 Lab File: VX006524.D
 Acq: 14 Dec 2018 18:18

Tgt Ion: 53 Resp: 20547
 Ion Ratio Lower Upper
 53 100
 52 18.3 66.2 99.4#
 51 75.4 28.7 43.1#

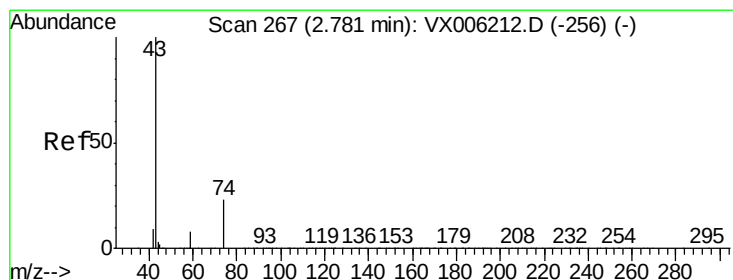
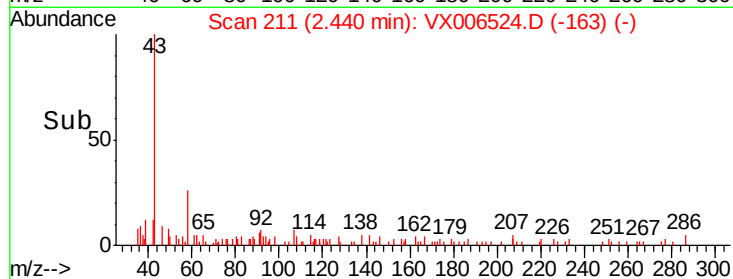
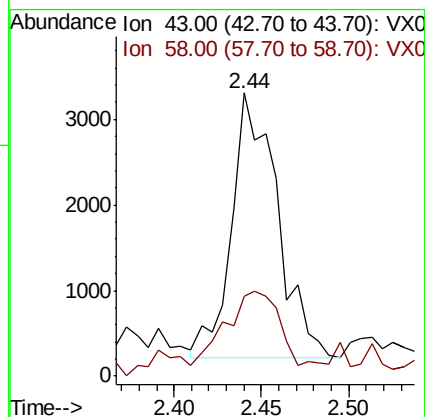
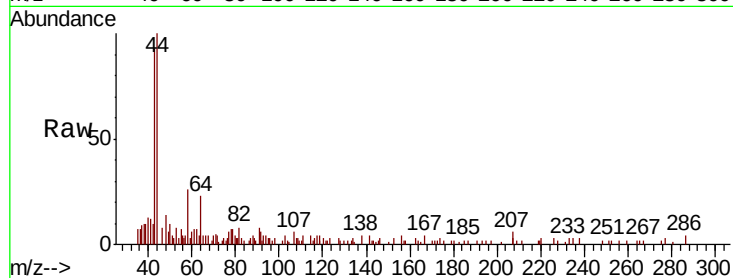




#16
Acetone
Concen: 1.711 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

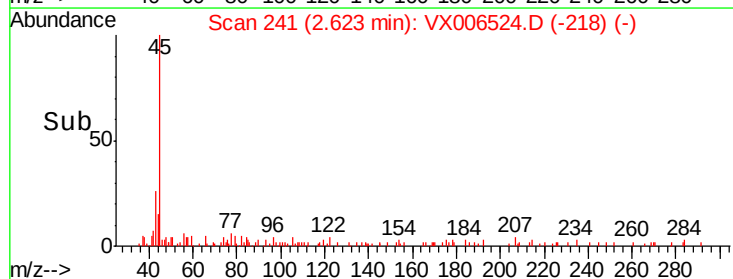
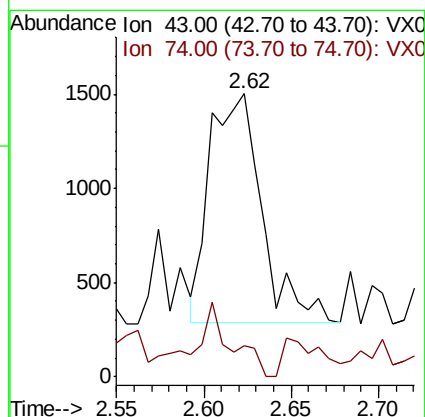
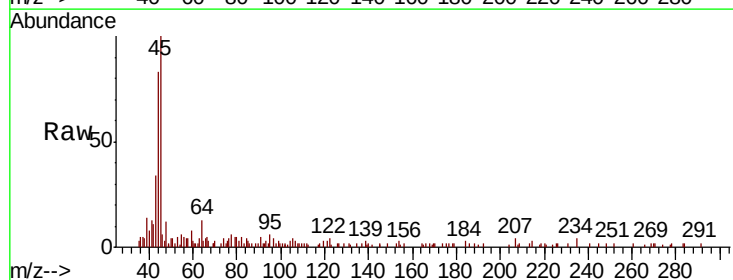
Instrument :
MSVOA_X
ClientSampleId :

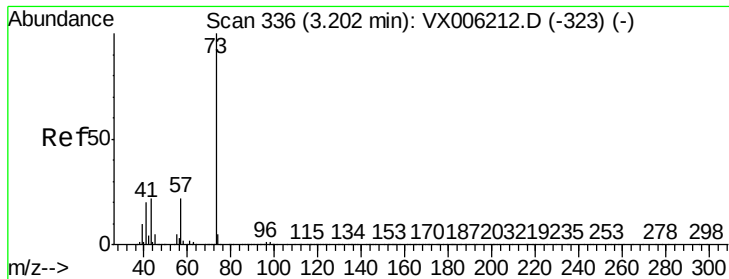
Tot Ion: 43 Resp: 5655
Ion Ratio Lower Upper
43 100
58 26.1 24.0 36.0



#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.16 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

Tgt Ion: 43 Resp: 2526
Ion Ratio Lower Upper
43 100
74 22.6 17.9 26.9

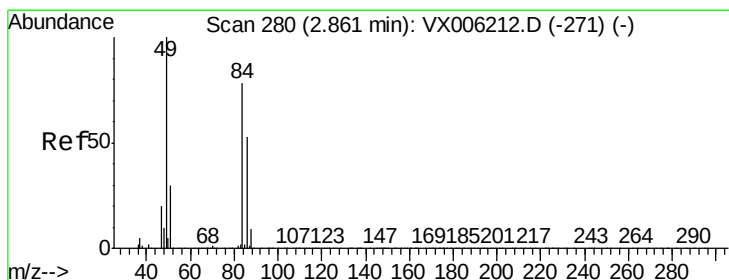
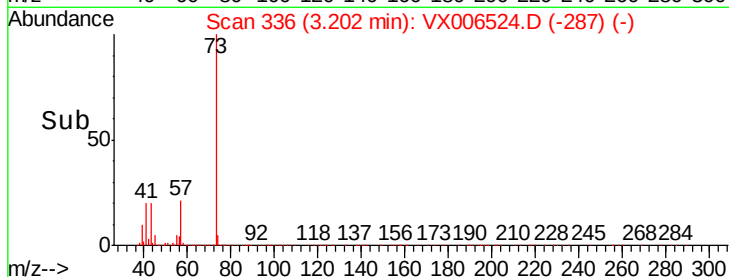
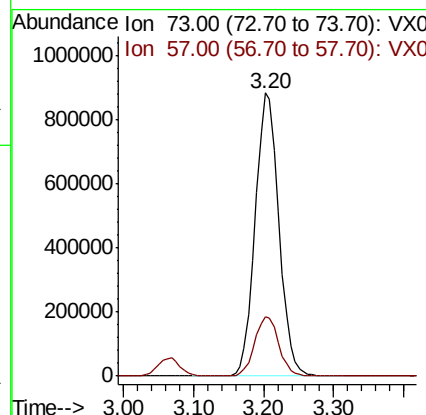
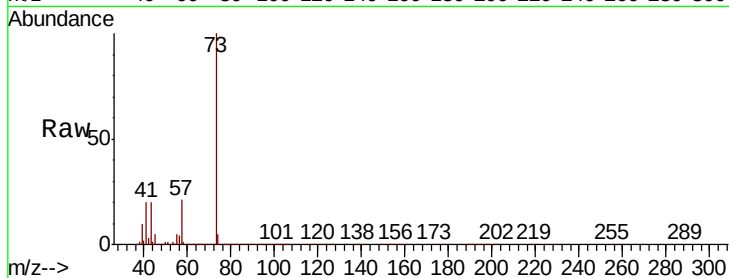




#19
Methyl tert-butyl Ether
Concen: 93.310 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

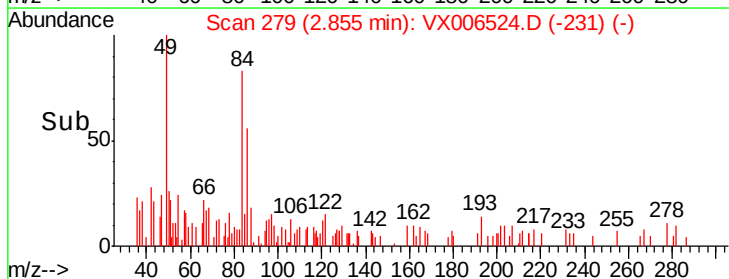
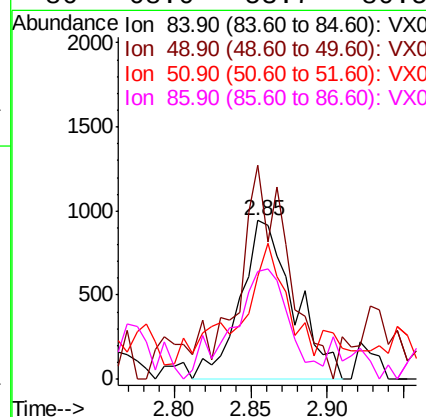
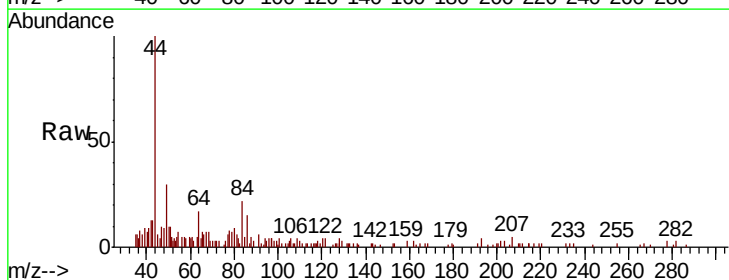
Instrument :
MSVOA_X
ClientSampleId :

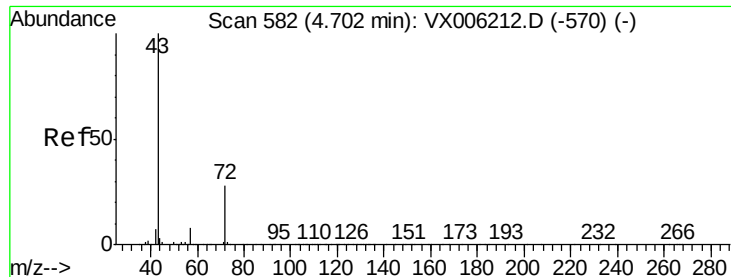
Tot Ion: 73 Resp: 2077387
Ion Ratio Lower Upper
73 100
57 21.1 17.5 26.3



#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

Tgt Ion: 84 Resp: 2286
Ion Ratio Lower Upper
84 100
49 131.4 102.2 153.4
51 53.4 31.1 46.7#
86 68.0 53.7 80.5





#25

2-Butanone

Concen: 0.300 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA_X

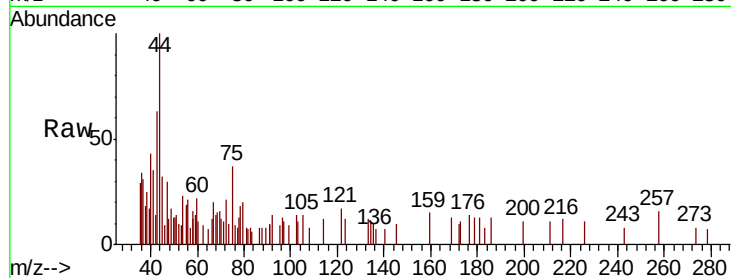
ClientSampled :

Tot Ion: 43 Resp: 1413

Ion Ratio Lower Upper

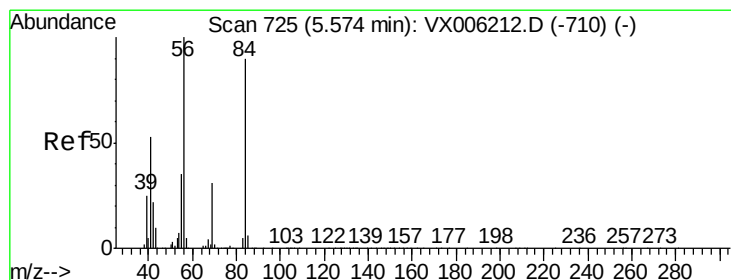
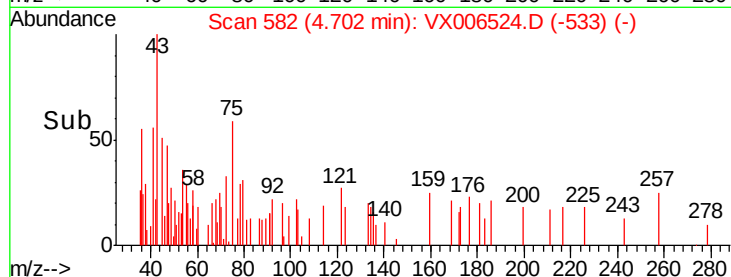
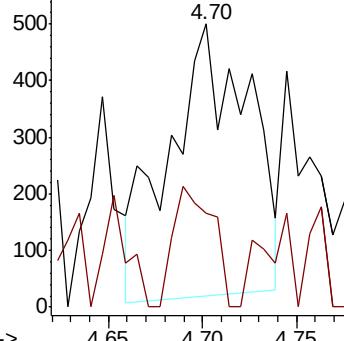
43 100

72 25.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.083 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

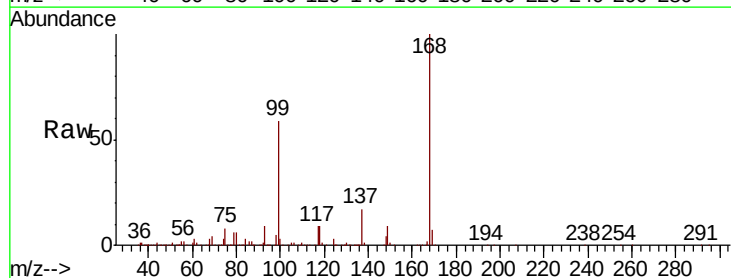
Tgt Ion: 56 Resp: 11017

Ion Ratio Lower Upper

56 100

69 201.4 24.5 36.7#

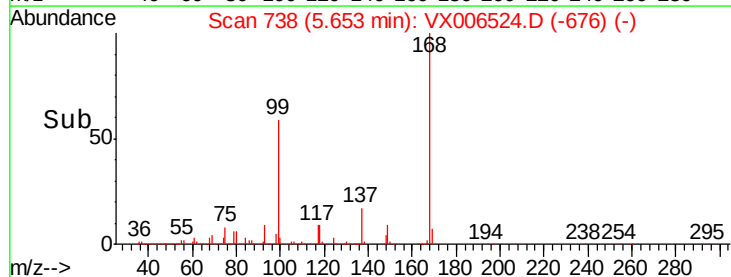
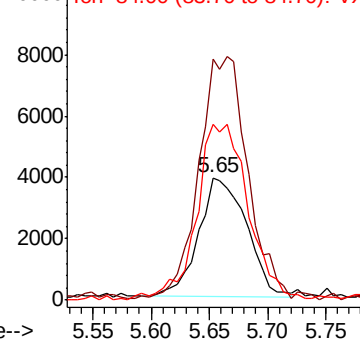
84 144.3 71.8 107.6#

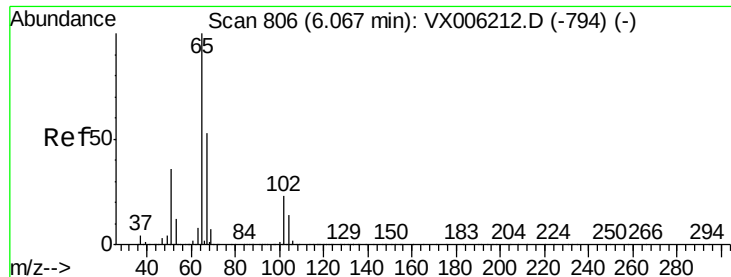


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

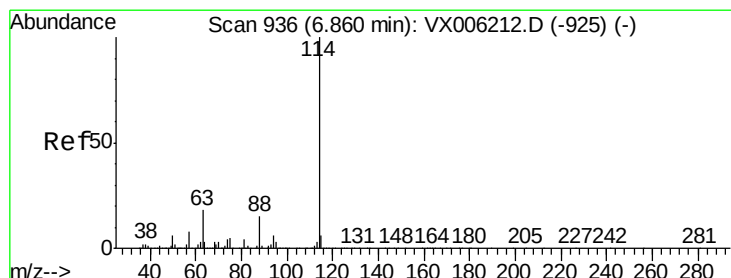
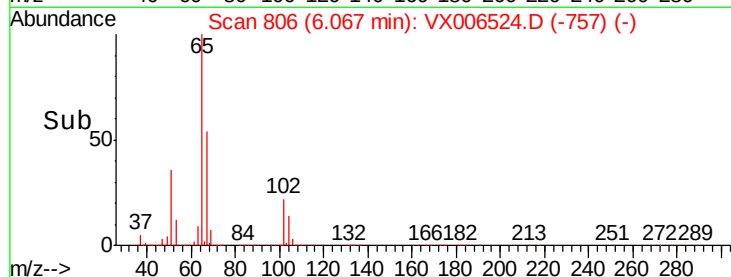
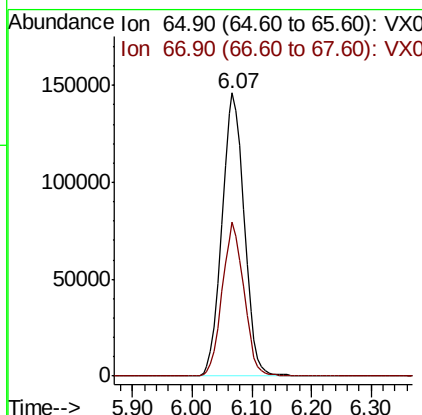
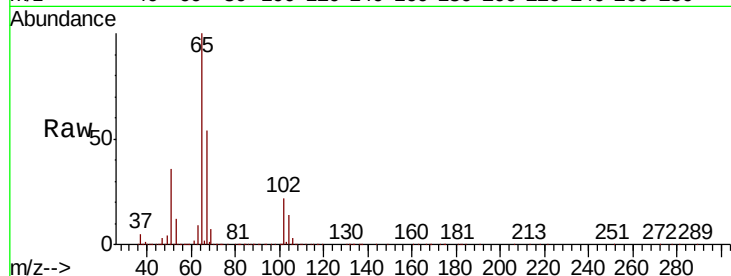




#33
 1,2-Dichloroethane-d4
 Concen: 54.078 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006524.D
 Acq: 14 Dec 2018 18:18

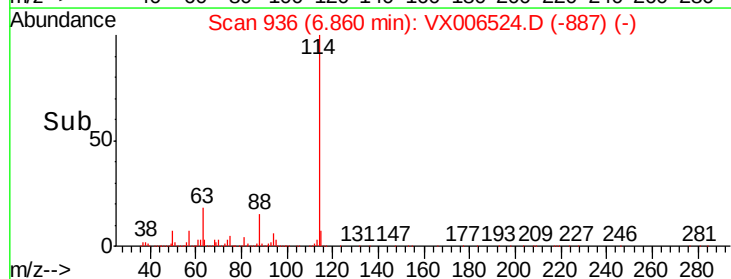
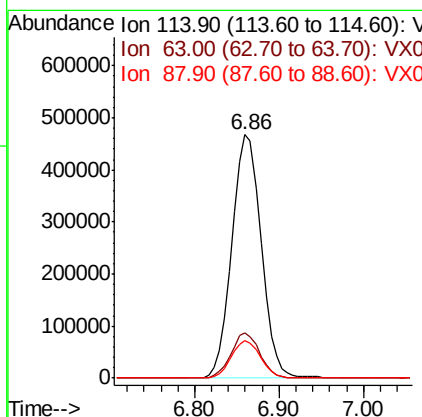
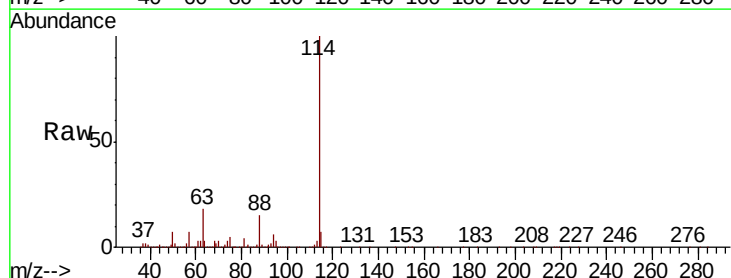
Instrument :
 MSVOA_X
 ClientSampleId :

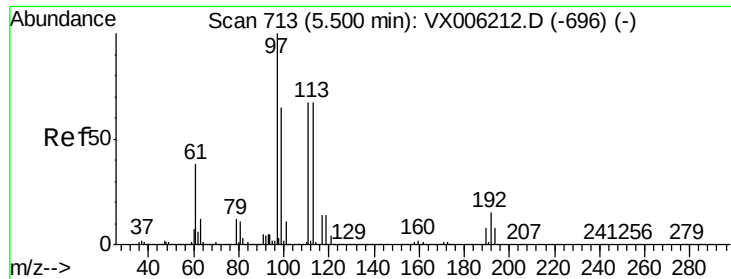
Tot Ion: 65 Resp: 380745
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006524.D
 Acq: 14 Dec 2018 18:18

Tgt Ion: 114 Resp: 1105762
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 15.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.628 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

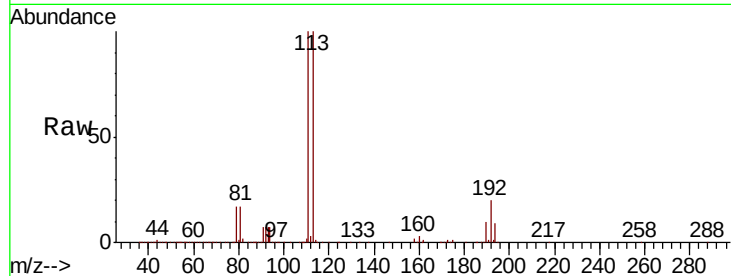
Tot Ion:113 Resp: 326666

Ion Ratio Lower Upper

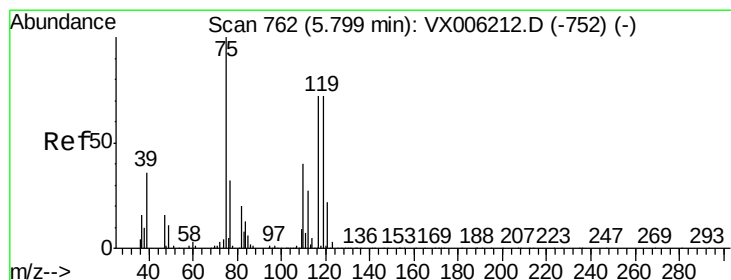
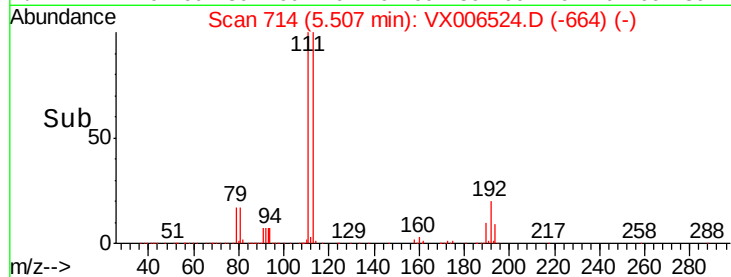
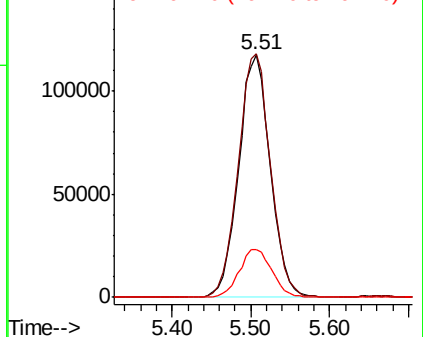
113 100

111 102.8 81.1 121.7

192 20.6 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: 5.101 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

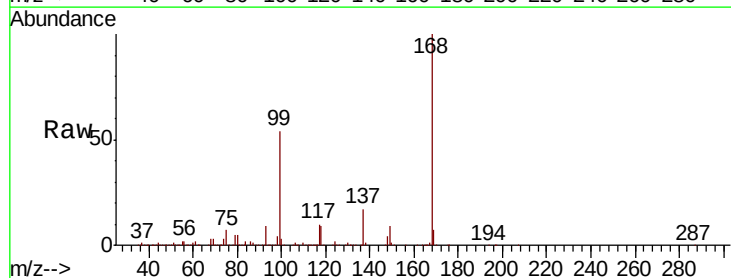
Tgt Ion: 75 Resp: 47502

Ion Ratio Lower Upper

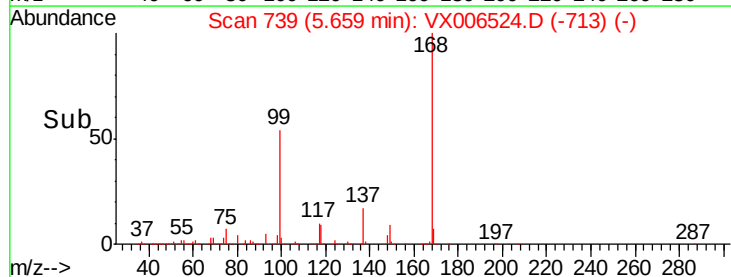
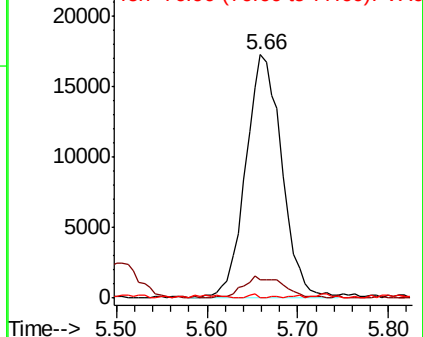
75 100

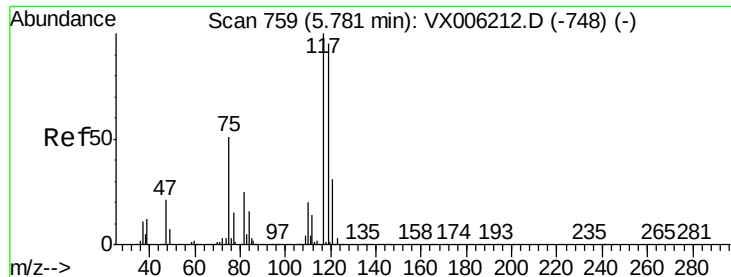
110 10.1 20.4 61.3#

77 0.5 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: 5.972 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA_X

ClientSampleId :

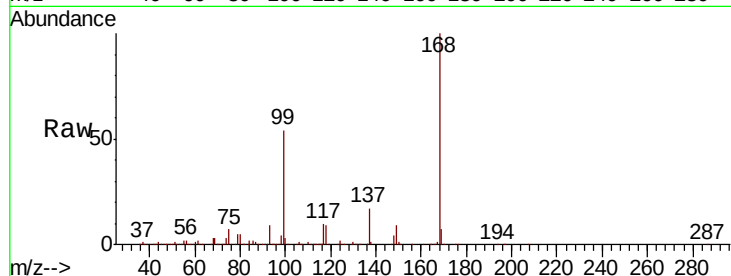
Tot Ion:117 Resp: 65416

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

121 0.0 24.6 37.0#

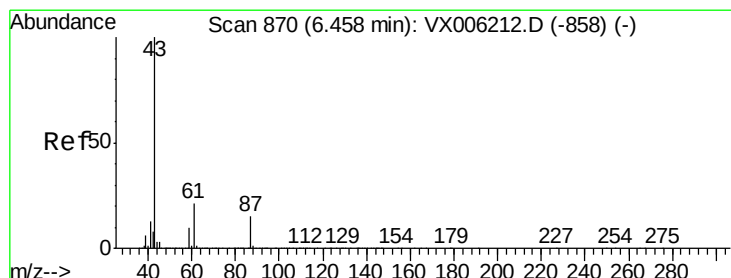
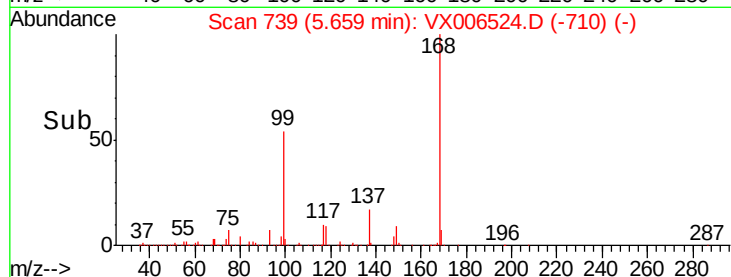
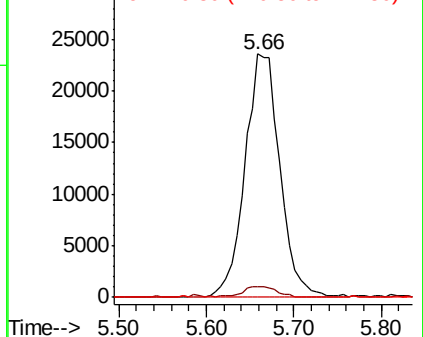


Abundance

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: 0.375 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.02 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

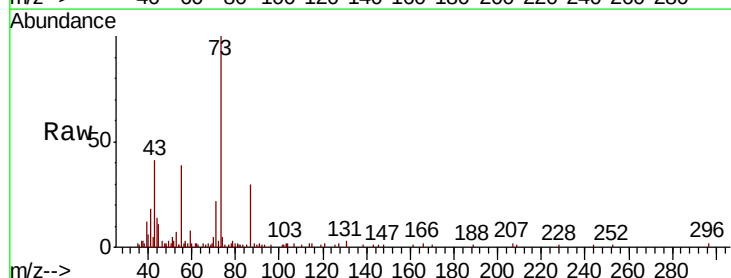
Tgt Ion: 43 Resp: 6522

Ion Ratio Lower Upper

43 100

61 4.5 16.8 25.2#

87 79.9 11.9 17.9#

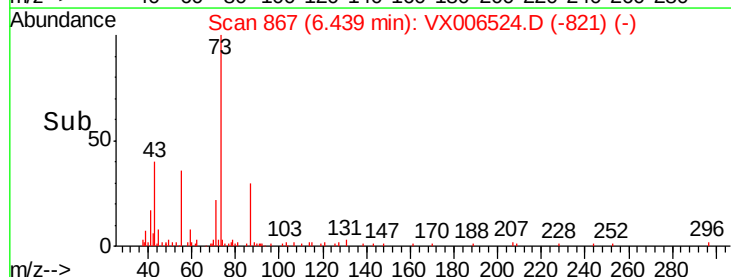
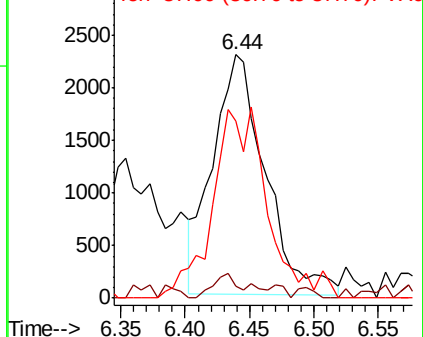


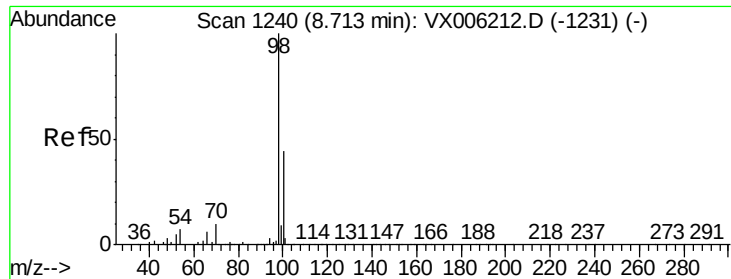
Abundance

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

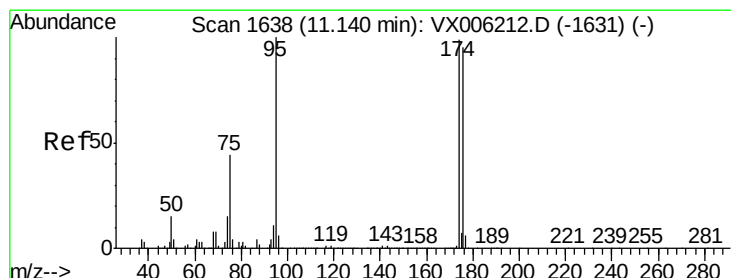
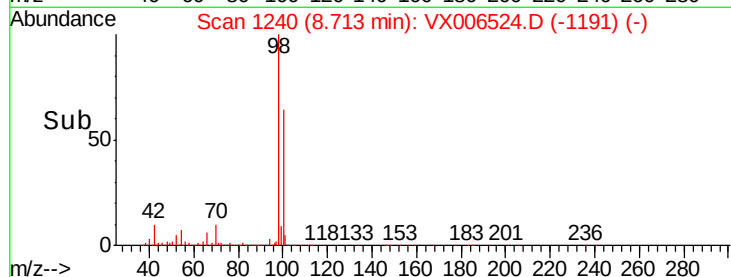
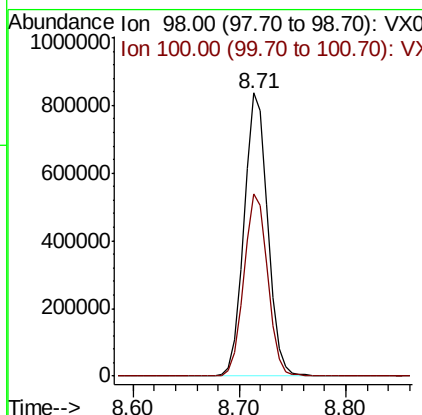
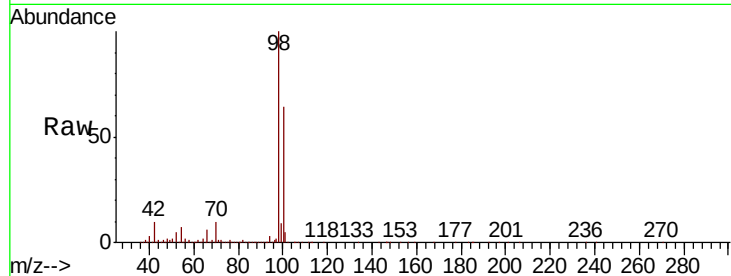




#50
Toluene-d8
Concen: 50.140 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

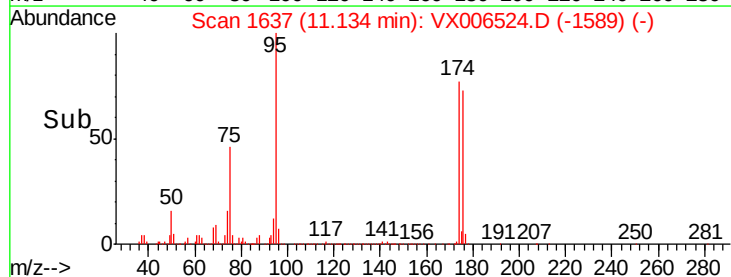
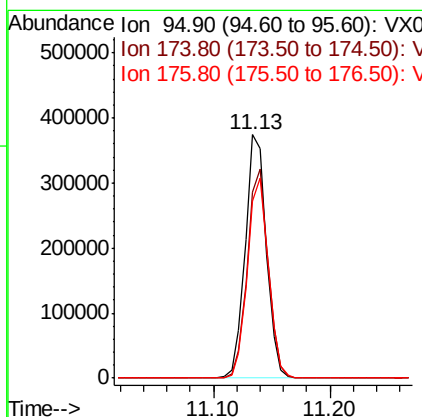
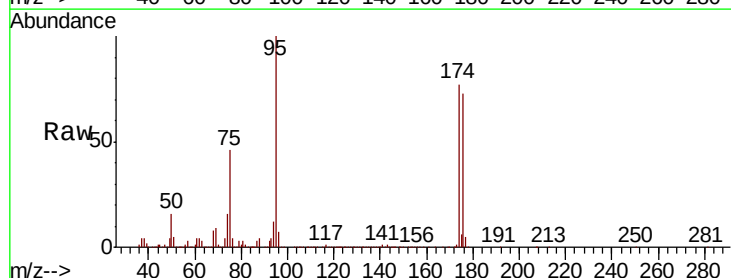
Instrument :
MSVOA_X
ClientSampled :

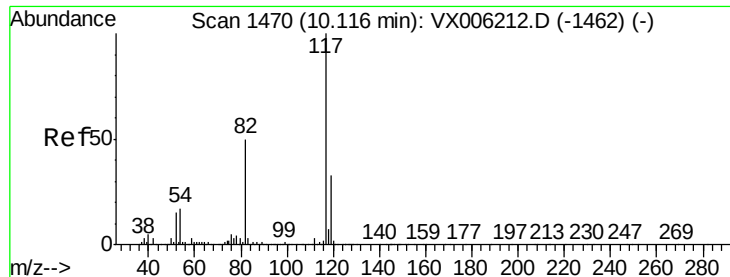
Tot Ion: 98 Resp: 1305741
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.540 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

Tgt Ion: 95 Resp: 476338
Ion Ratio Lower Upper
95 100
174 84.9 0.0 187.0
176 82.0 0.0 181.8

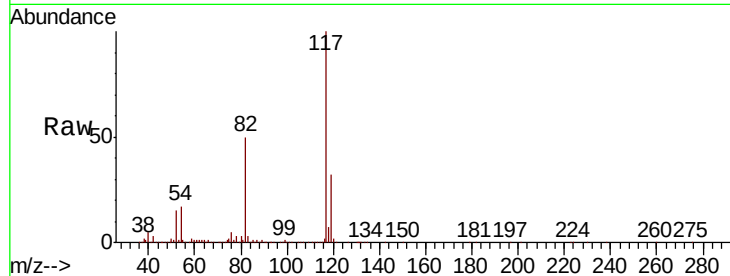




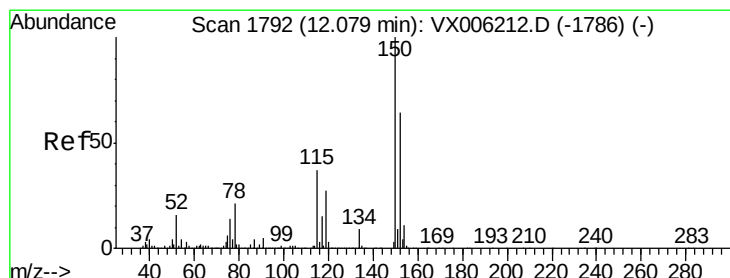
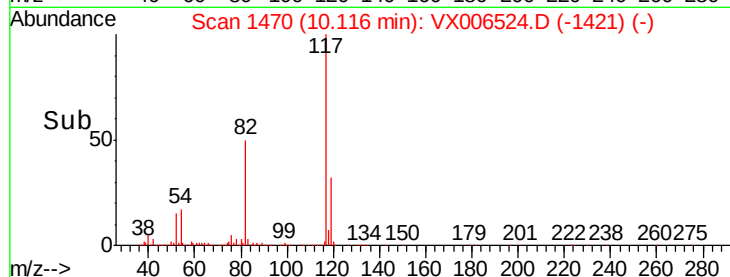
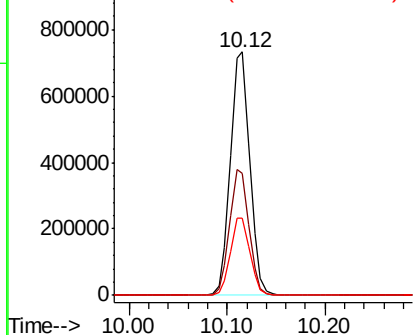
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 1012122
Ion Ratio Lower Upper
117 100
82 50.3 39.6 59.4
119 31.9 26.3 39.5

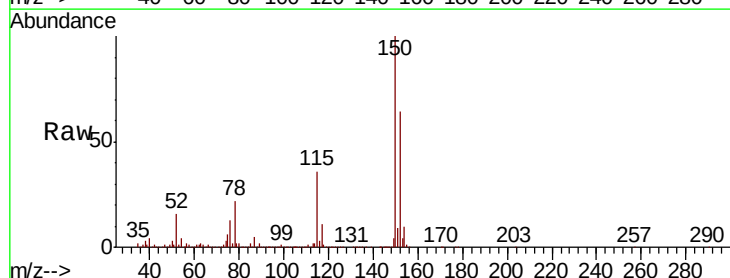


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

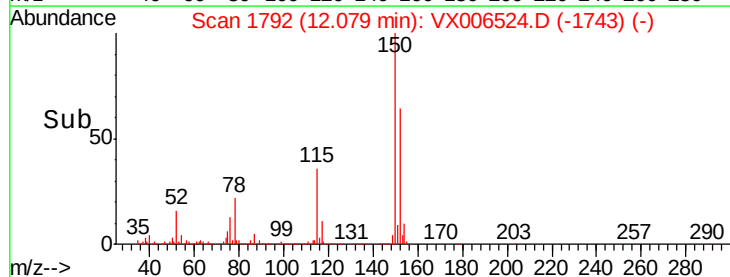
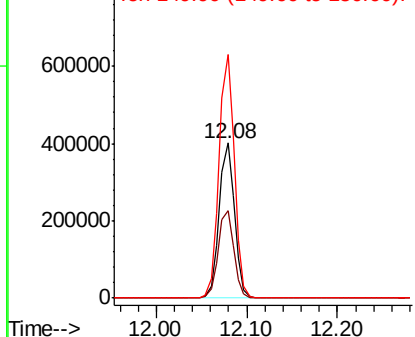


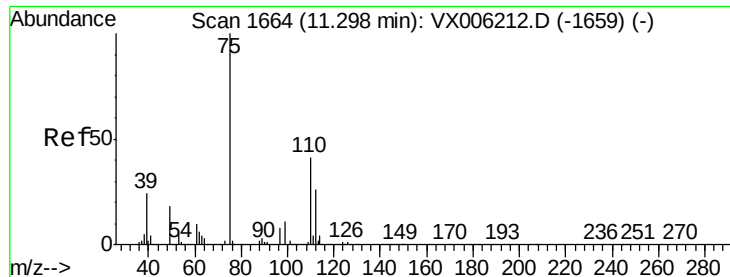
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006524.D
Acq: 14 Dec 2018 18:18

Tgt Ion:152 Resp: 474813
Ion Ratio Lower Upper
152 100
115 57.6 39.0 116.9
150 157.1 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





#76

1,2,3-Trichloropropane

Concen: 23.772 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA_X

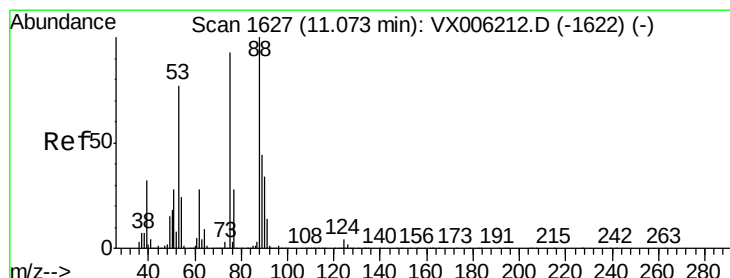
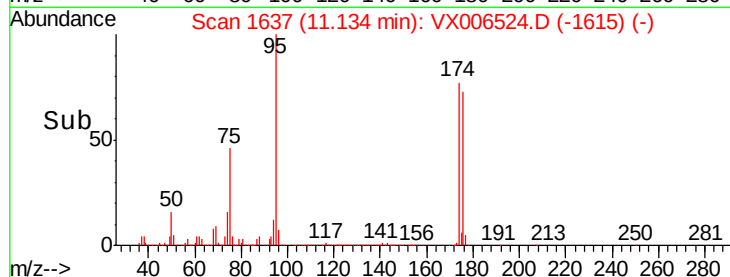
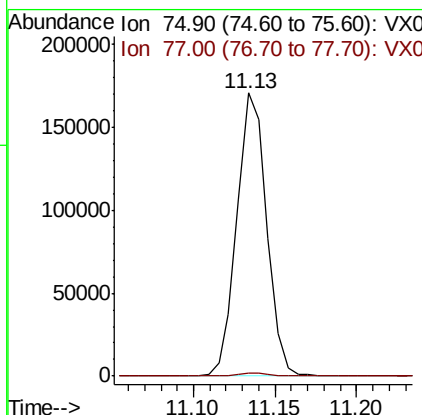
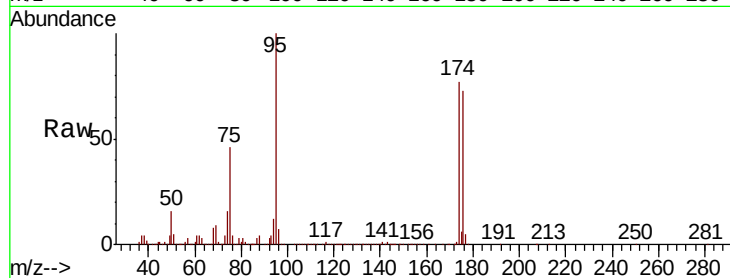
ClientSampleId :

Tot Ion: 75 Resp: 217861

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.786 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Tgt Ion: 75 Resp: 217861

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.1 44.2 66.4#

