

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006521.D
 Acq On : 14 Dec 2018 16:58
 Operator : JC/MD
 Sample : J6396-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:36:57 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	674884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1091119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	998290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	470764	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	376416	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
35) Dibromofluoromethane	5.50	113	326934	46.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.56%	
50) Toluene-d8	8.71	98	1280409	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	478955	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	

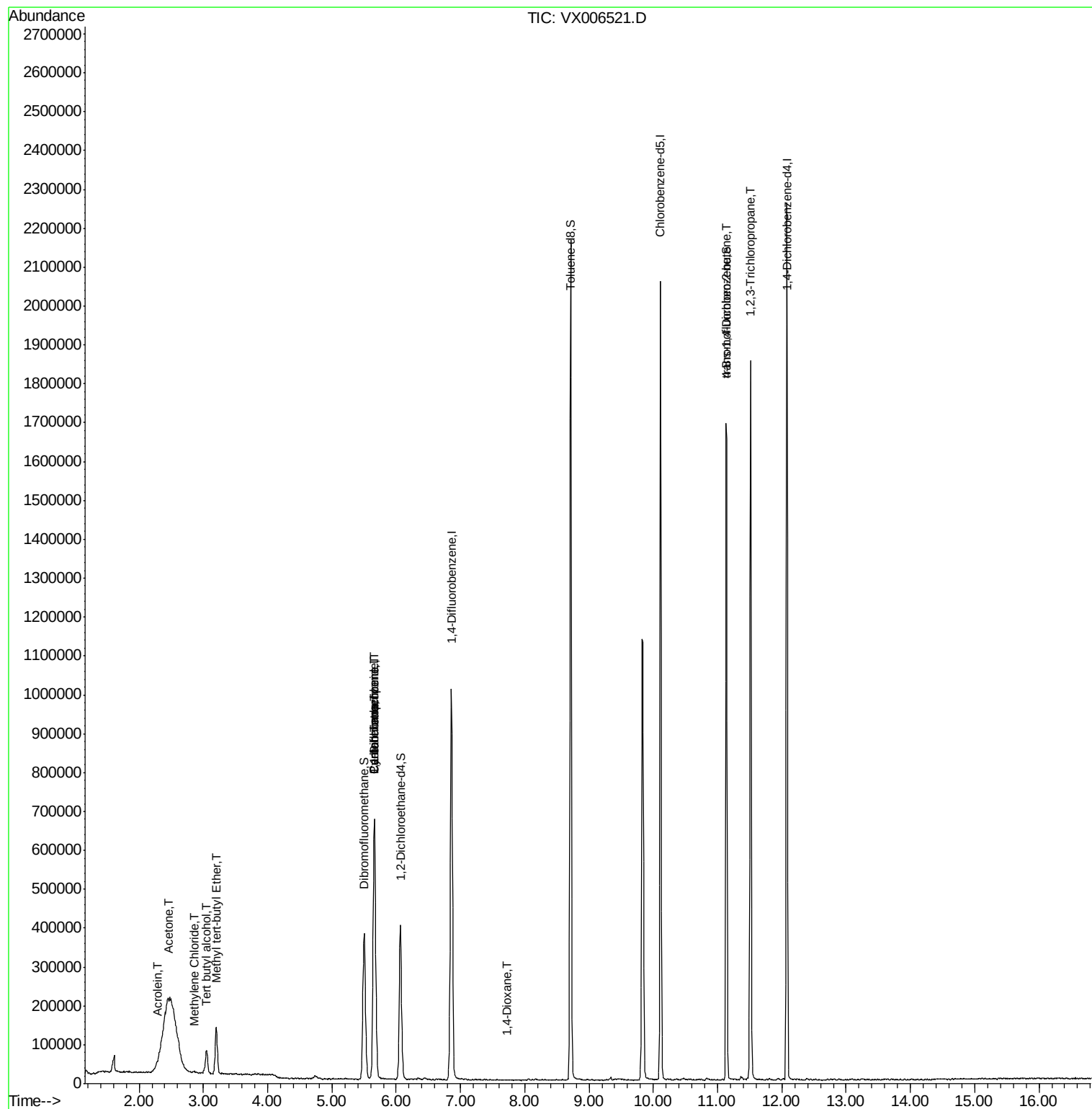
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.05	59	82538	43.807	ug/l	99
13) Acrolein	2.28	56	713	0.692	ug/l #	54
16) Acetone	2.45	43	5374	1.662	ug/l #	53
19) Methyl tert-butyl Ether	3.20	73	145028	6.657	ug/l	98
20) Methylene Chloride	2.86	84	1599	0.232	ug/l #	70
31) Cyclohexane	5.67	56	12208	1.227	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	45295	4.930	ug/l #	49
38) Carbon Tetrachloride	5.66	117	64132	5.933	ug/l #	15
49) 1,4-Dioxane	7.73	88	161	0.783	ug/l #	37
76) 1,2,3-Trichloropropane	11.51	75	47882	5.270	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	217849	56.263	ug/l #	15

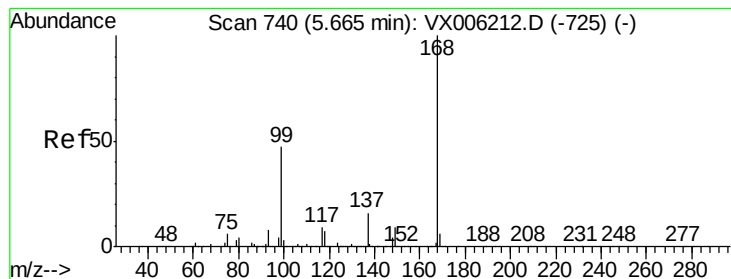
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006521.D

Acq: 14 Dec 2018 16:58

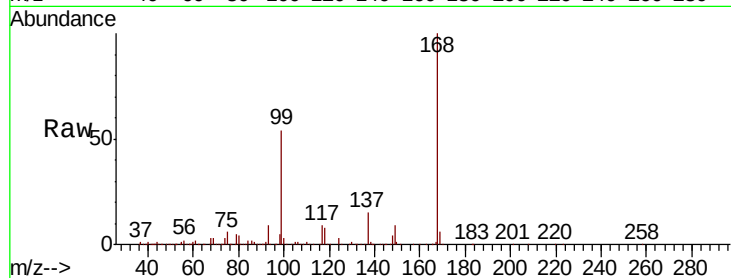
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 674884

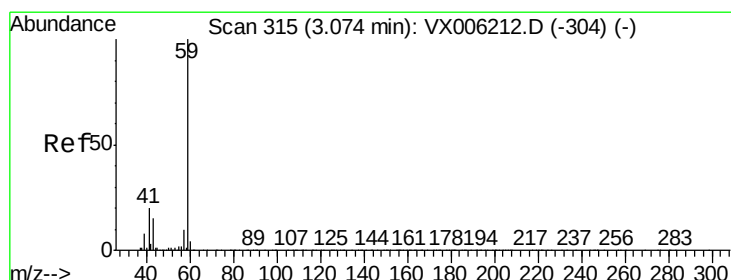
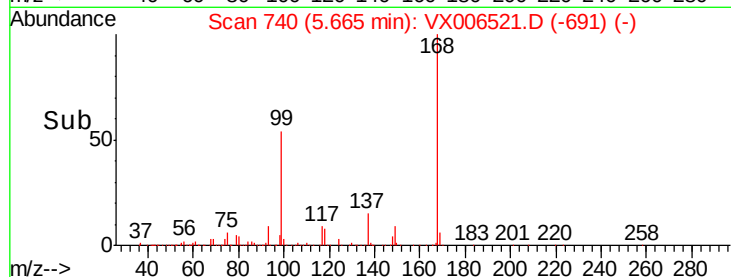
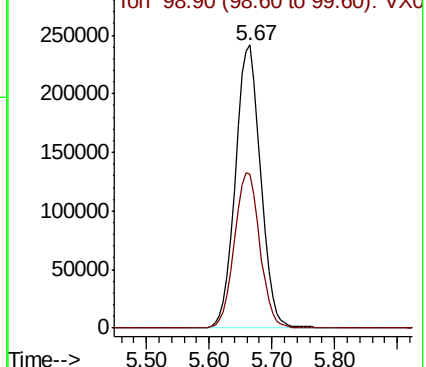
Ion Ratio Lower Upper

168 100

99 54.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V



#11

Tert butyl alcohol

Concen: 43.807 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX006521.D

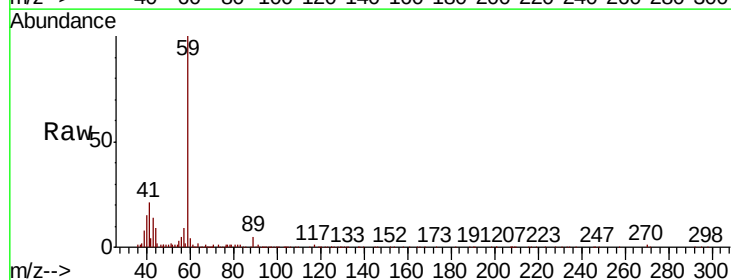
Acq: 14 Dec 2018 16:58

Tgt Ion: 59 Resp: 82538

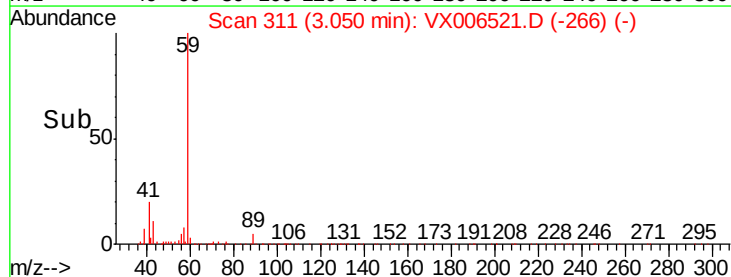
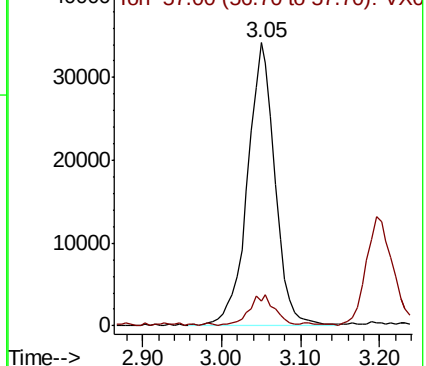
Ion Ratio Lower Upper

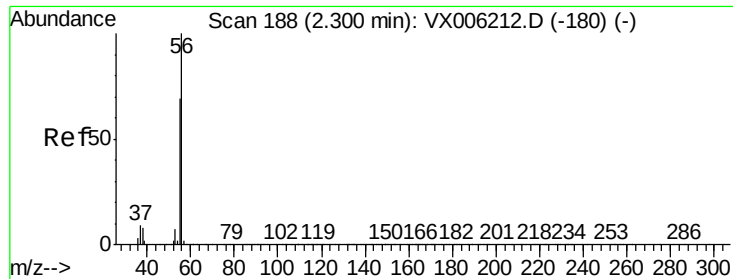
59 100

57 9.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0





#13

Acrolein

Concen: 0.692 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX006521.D

Acq: 14 Dec 2018 16:58

Instrument :

MSVOA_X

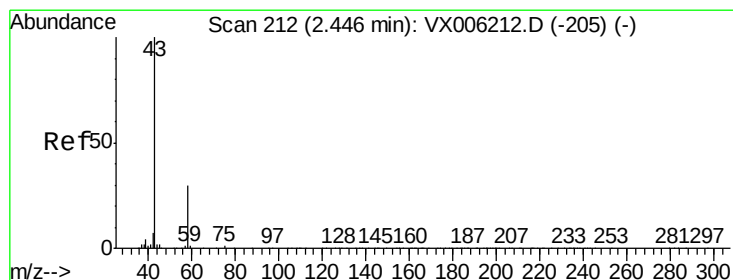
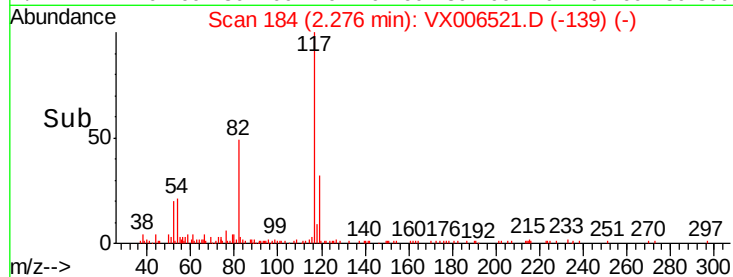
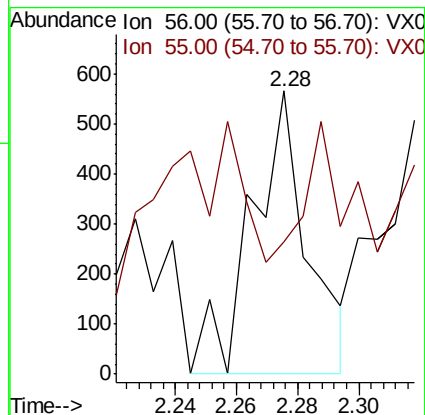
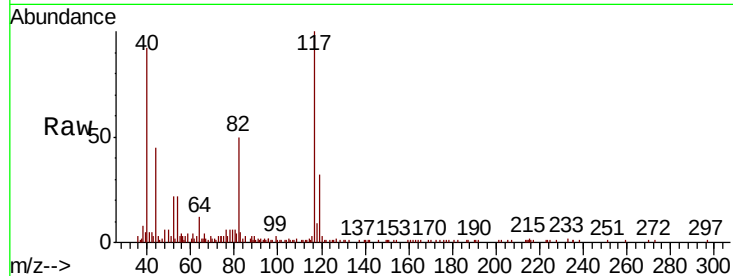
ClientSampleId :

Tot Ion: 56 Resp: 713

Ion Ratio Lower Upper

56 100

55 34.2 57.8 86.6#



#16

Acetone

Concen: 1.662 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006521.D

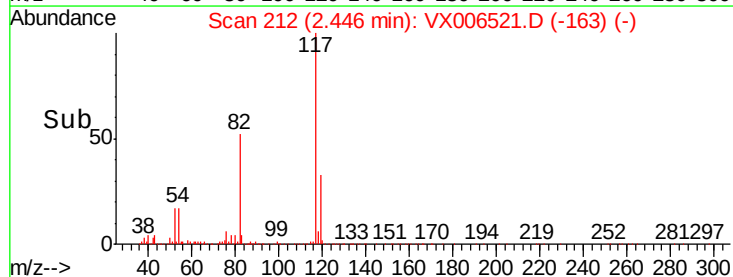
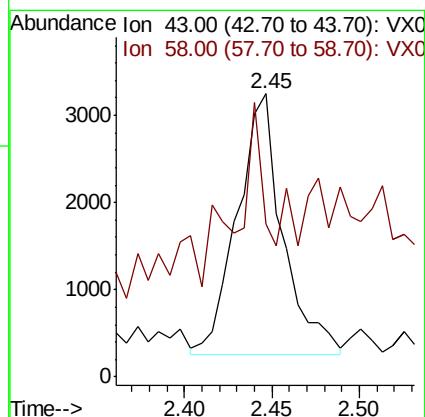
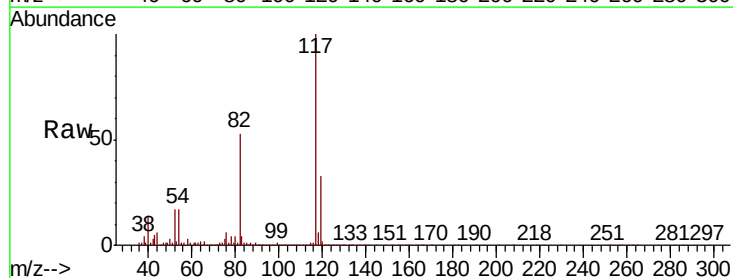
Acq: 14 Dec 2018 16:58

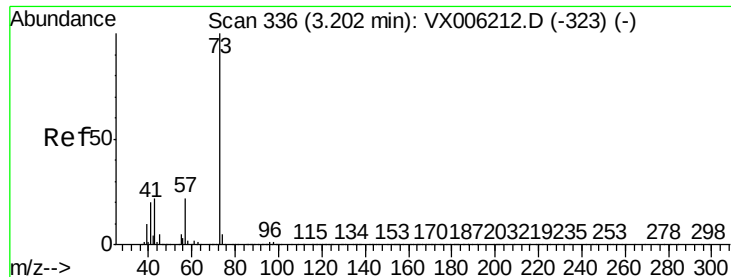
Tgt Ion: 43 Resp: 5374

Ion Ratio Lower Upper

43 100

58 4.3 24.0 36.0#

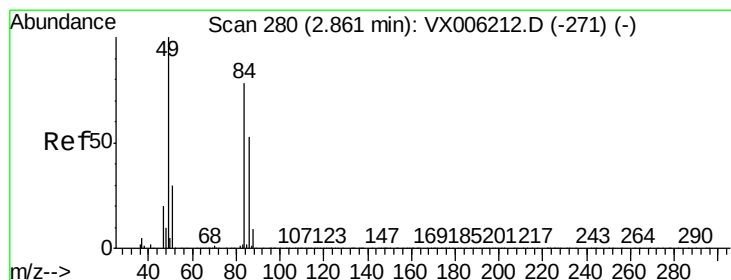
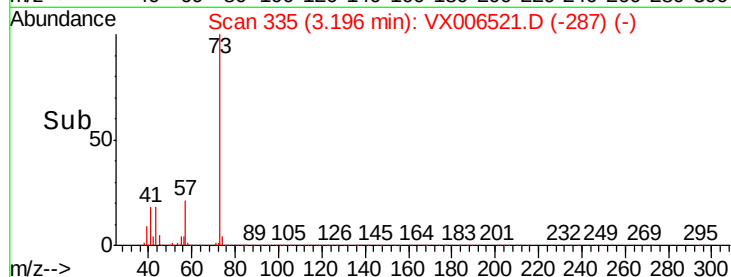
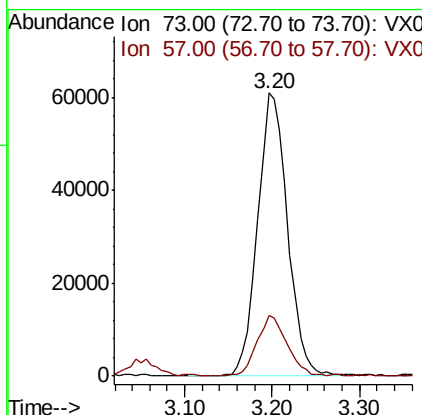
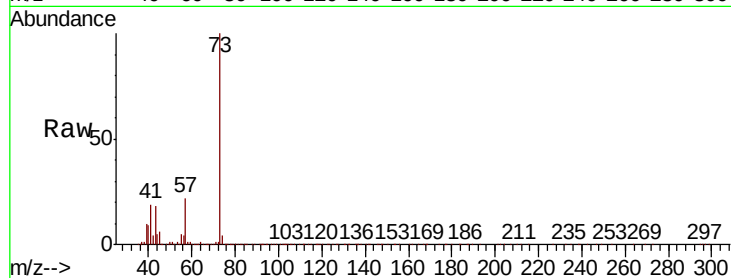




#19
Methyl tert-butyl Ether
Concen: 6.657 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

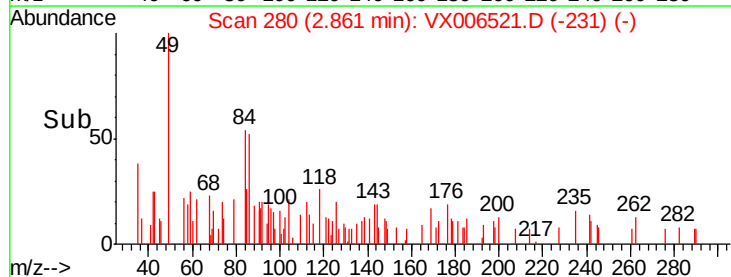
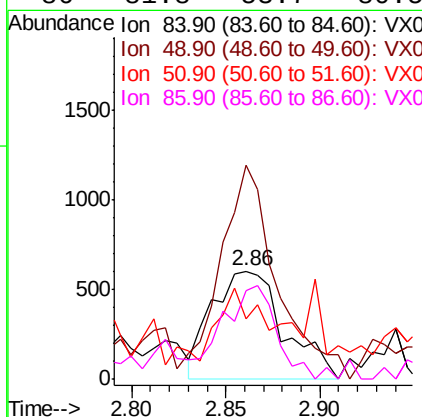
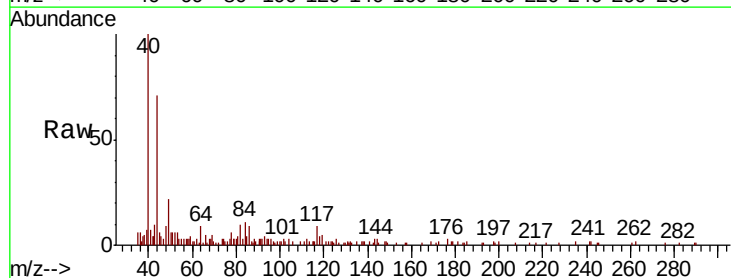
Instrument :
MSVOA_X
ClientSampleId :

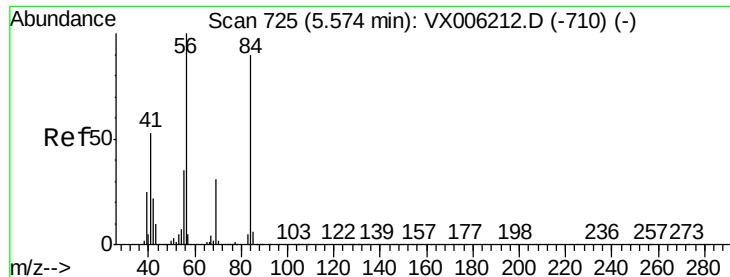
Tot Ion: 73 Resp: 145028
Ion Ratio Lower Upper
73 100
57 21.0 17.5 26.3



#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

Tgt Ion: 84 Resp: 1599
Ion Ratio Lower Upper
84 100
49 175.1 102.2 153.4#
51 29.9 31.1 46.7#
86 81.8 53.7 80.5#

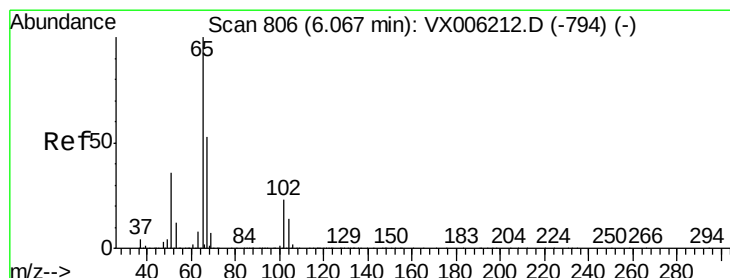
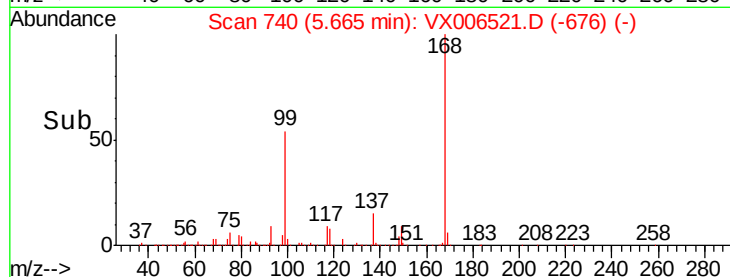
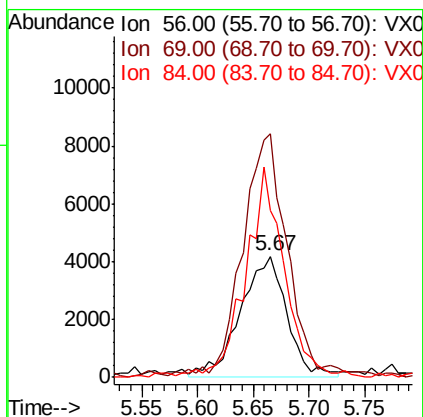
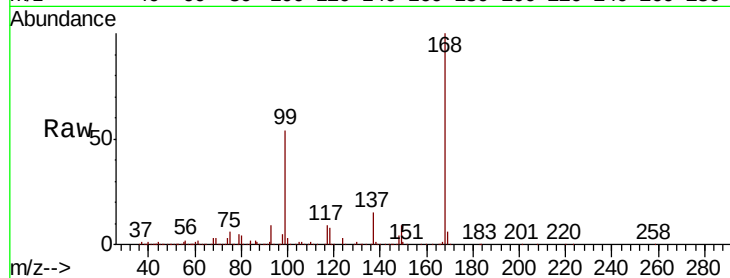




#31
Cyclohexane
Concen: 1.227 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

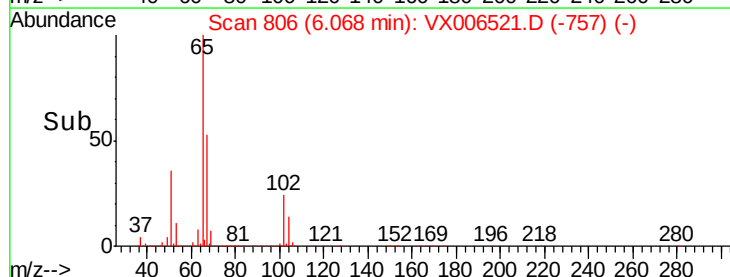
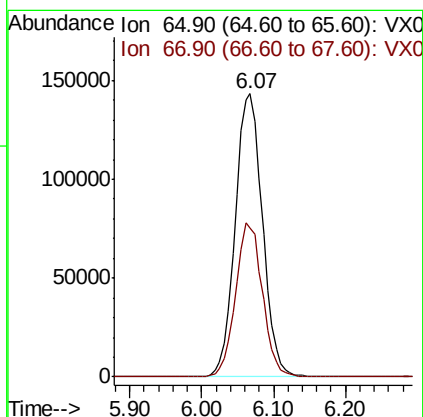
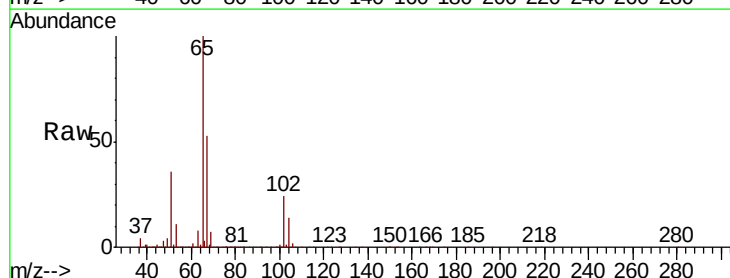
Instrument :
MSVOA_X
ClientSampled :

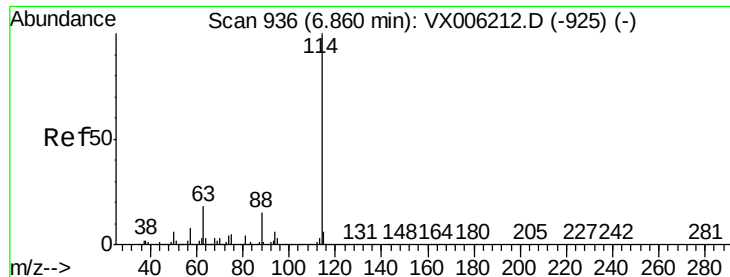
Tot Ion: 56 Resp: 12208
Ion Ratio Lower Upper
56 100
69 203.1 24.5 36.7#
84 140.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 54.636 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

Tgt Ion: 65 Resp: 376416
Ion Ratio Lower Upper
65 100
67 53.5 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: VX006521.D

Acq: 14 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampled :

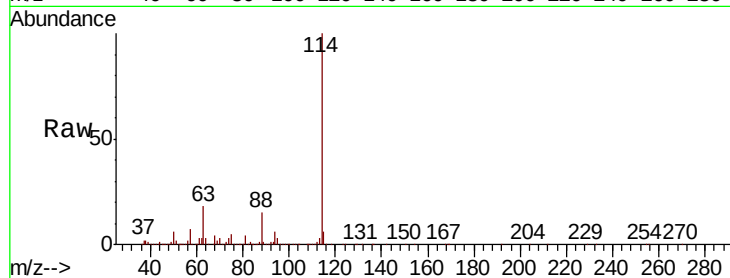
Tot Ion:114 Resp: 1091119

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 15.1 0.0 29.0



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

600000

500000

400000

300000

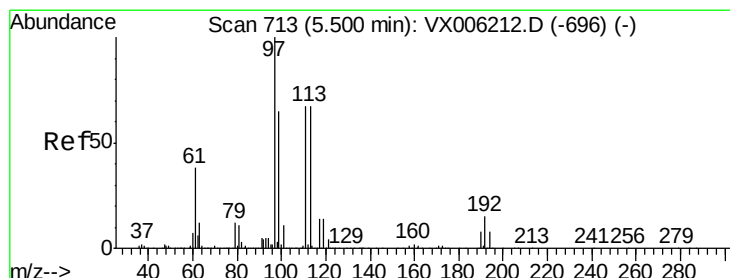
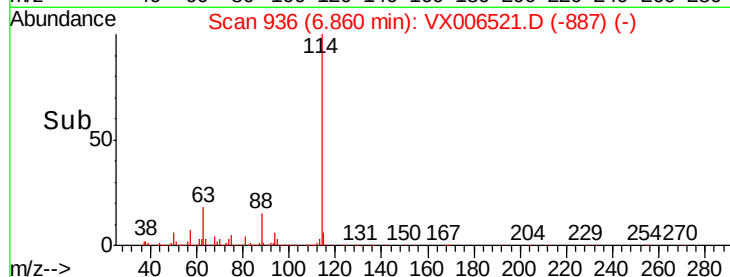
200000

100000

0

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 46.278 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006521.D

Acq: 14 Dec 2018 16:58

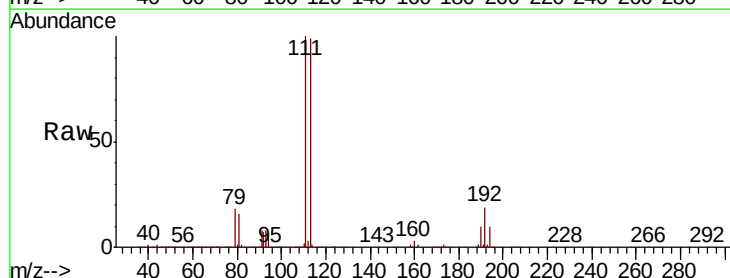
Tgt Ion:113 Resp: 326934

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

192 20.1 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

150000

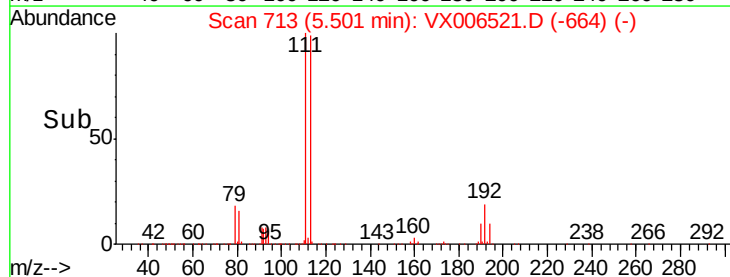
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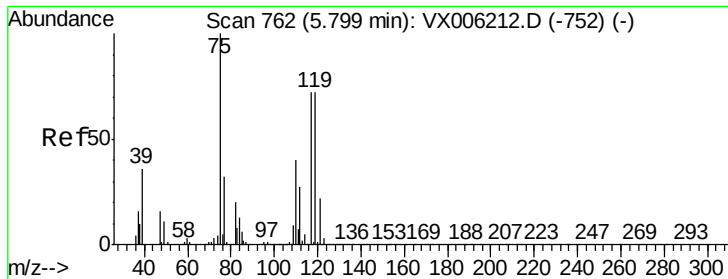
50000

0

5.40 5.50 5.60

Time-->

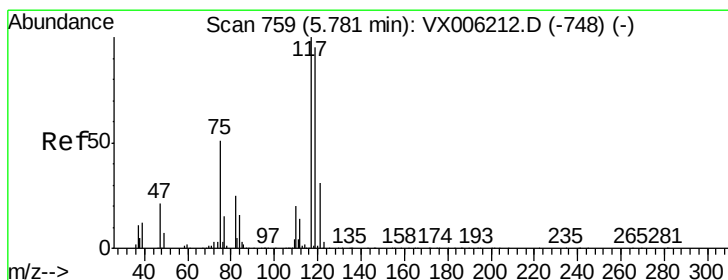
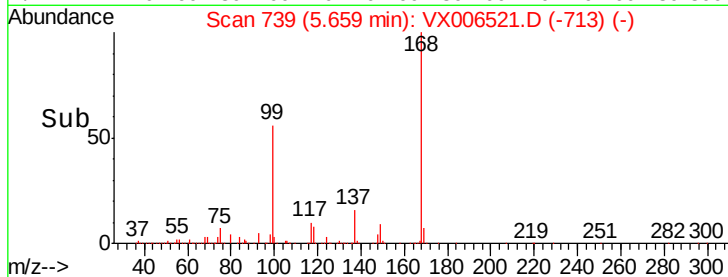
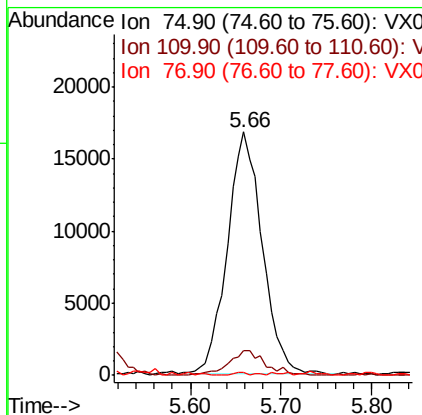
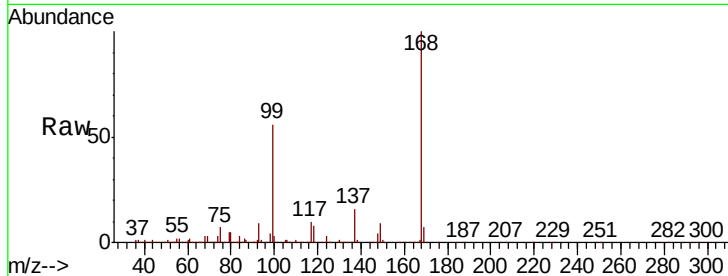




#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006521.D
 Acq: 14 Dec 2018 16:58

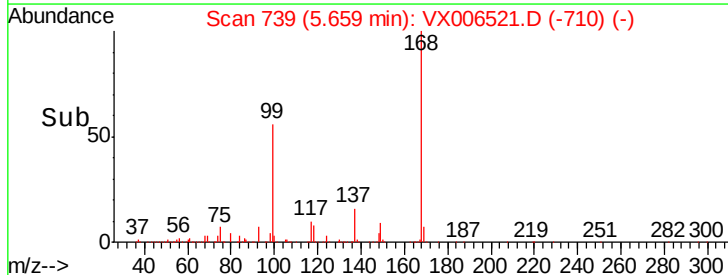
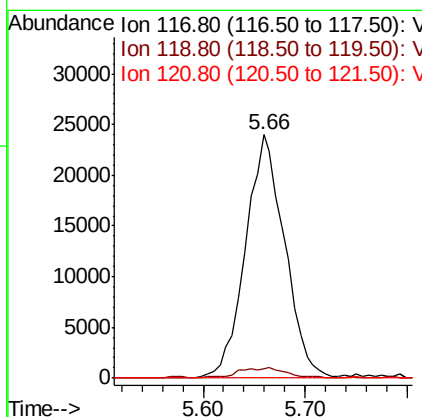
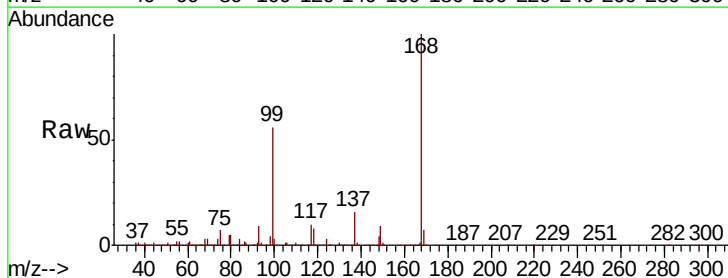
Instrument :
 MSVOA_X
 ClientSampleId :

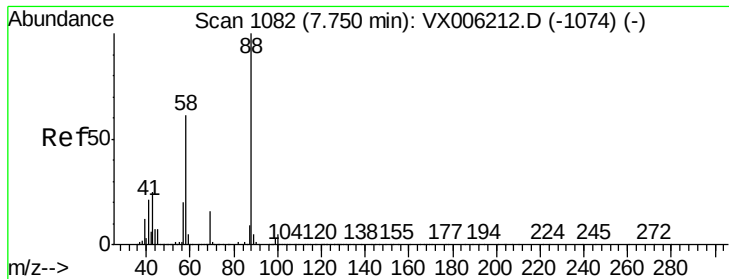
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.4	61.3#
77	0.6	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.933 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006521.D
 Acq: 14 Dec 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.8	113.8#
121	0.0	24.6	37.0#

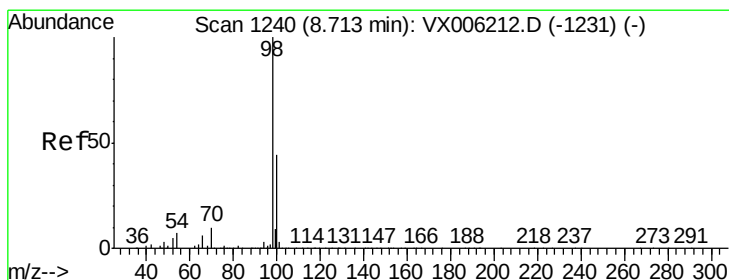
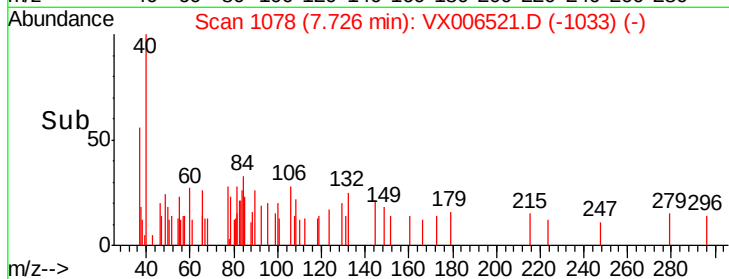
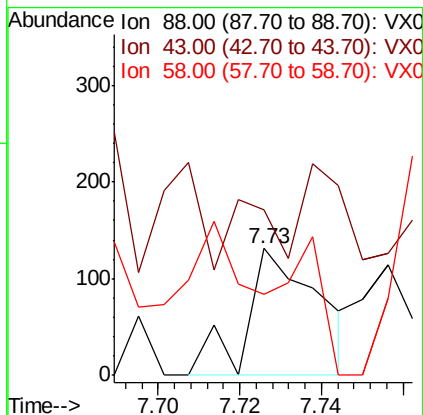
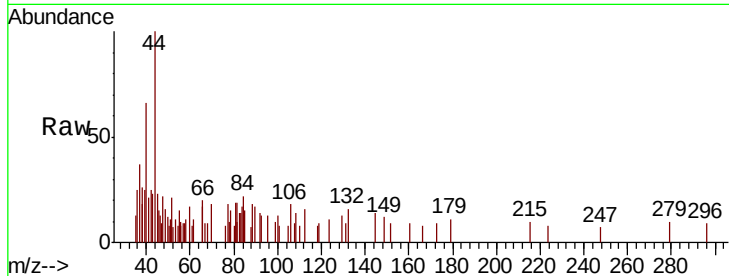




#49
1,4-Dioxane
Concen: 0.783 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

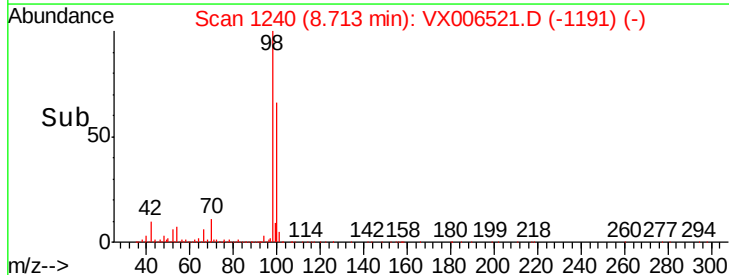
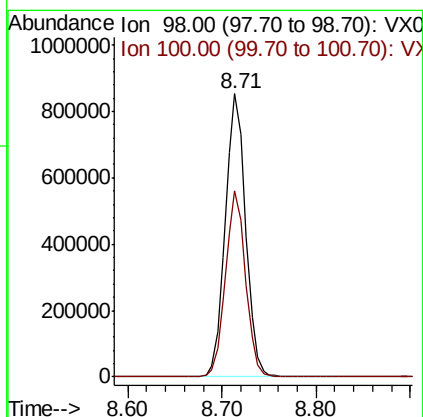
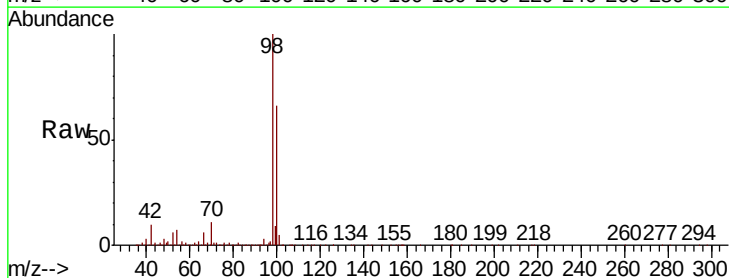
Instrument :
MSVOA_X
ClientSampleId :

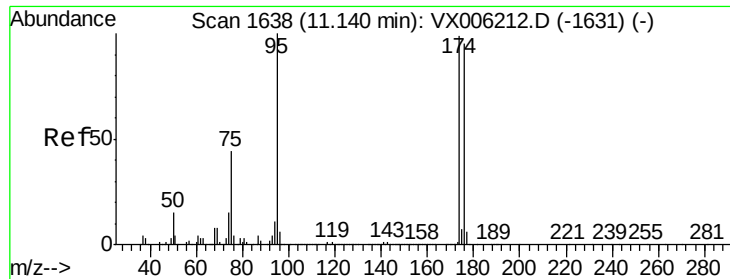
Tot Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 40.4 23.2 34.8#
58 0.0 51.4 77.0#



#50
Toluene-d8
Concen: 49.828 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

Tgt Ion: 98 Resp: 1280409
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

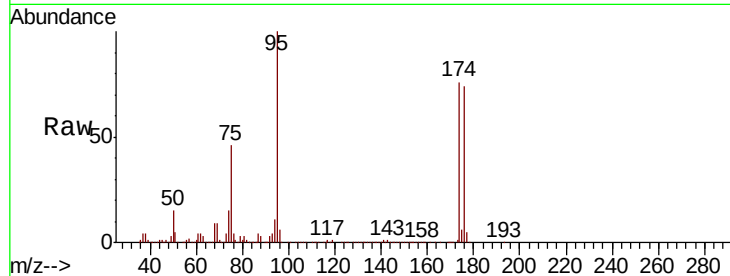




#62
4-Bromofluorobenzene
Concen: 49.462 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	187.0
176	81.7	0.0	181.8

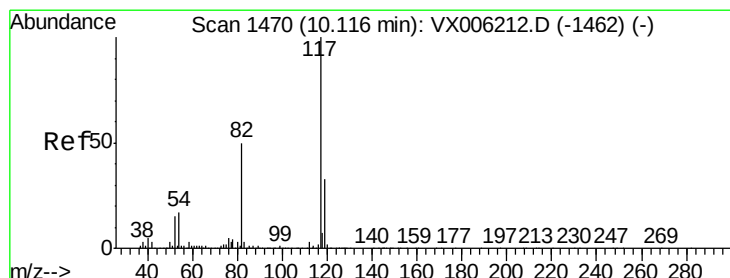
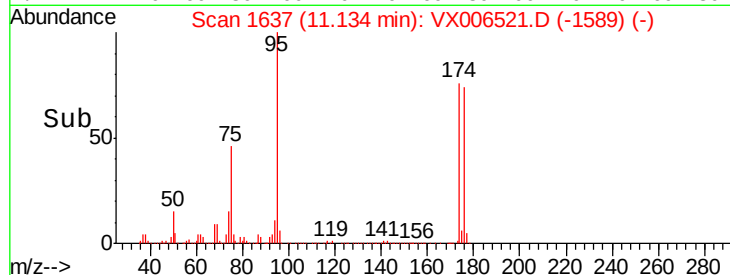
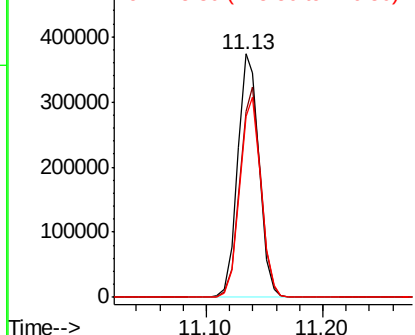


Abundance

Ion 94.90 (94.60 to 95.60): VX006521.D (-1589) (-)

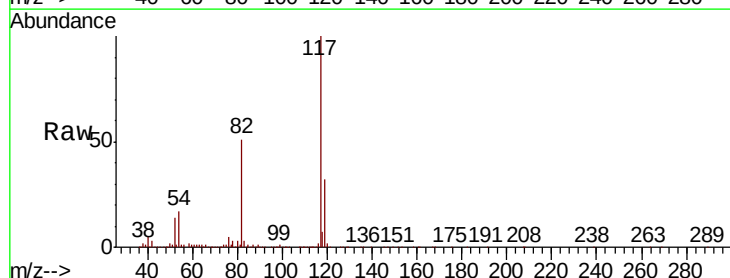
Ion 173.80 (173.50 to 174.50): VX006521.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006521.D (-1589) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006521.D
Acq: 14 Dec 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	39.6	59.4
119	32.4	26.3	39.5

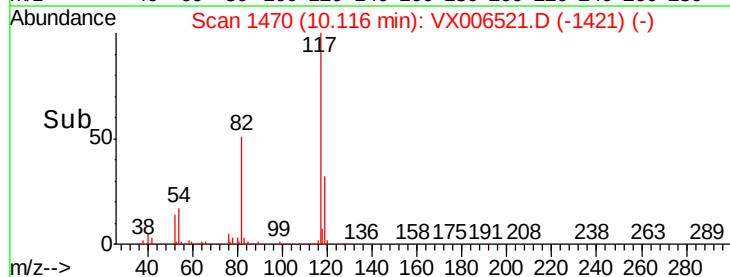
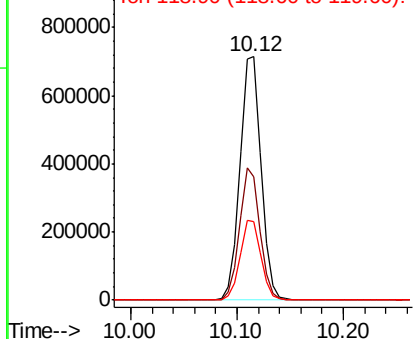


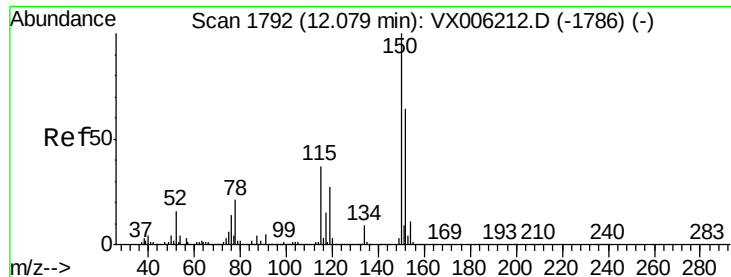
Abundance

Ion 116.90 (116.60 to 117.60): VX006521.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006521.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006521.D (-1421) (-)

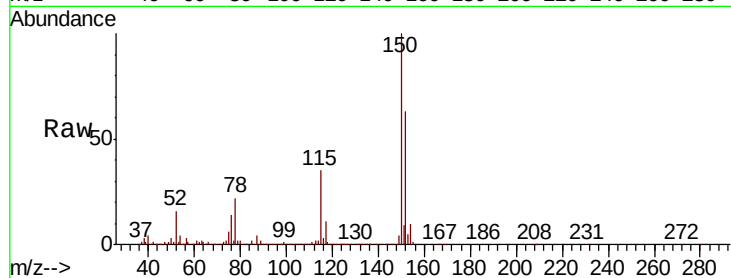




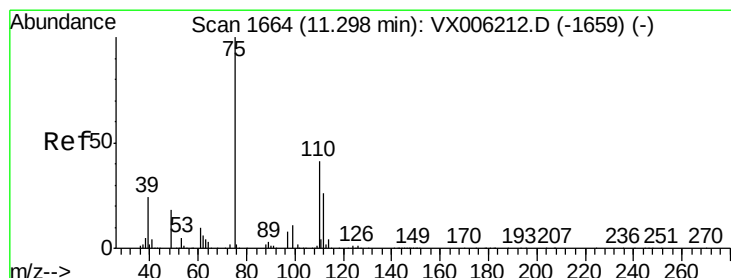
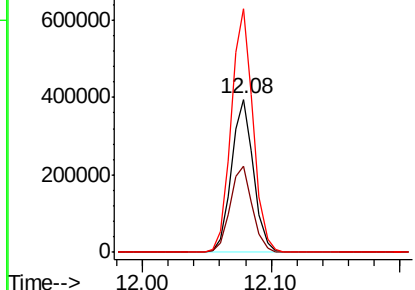
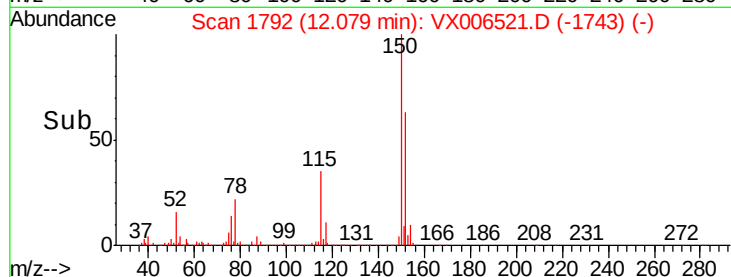
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX006521.D
 Acq: 14 Dec 2018 16:58

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:152 Resp: 470764
 Ion Ratio Lower Upper
 152 100
 115 57.3 39.0 116.9
 150 158.8 0.0 345.8

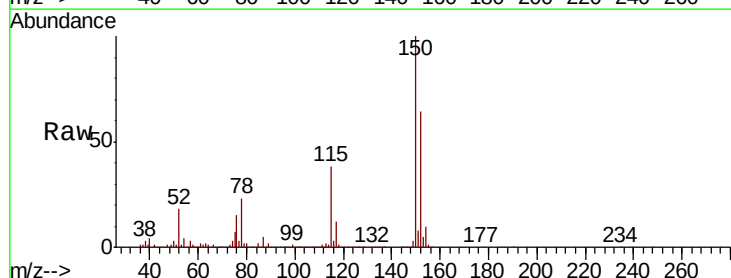


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

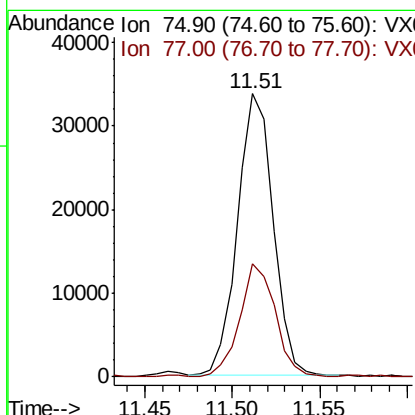
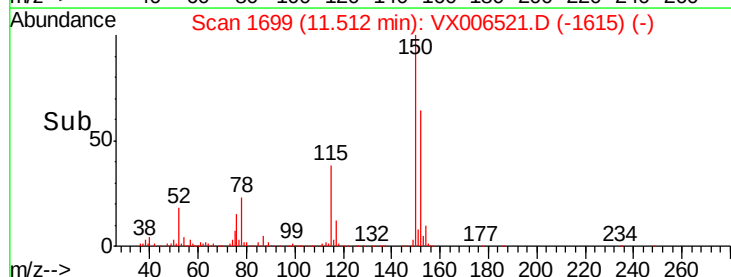


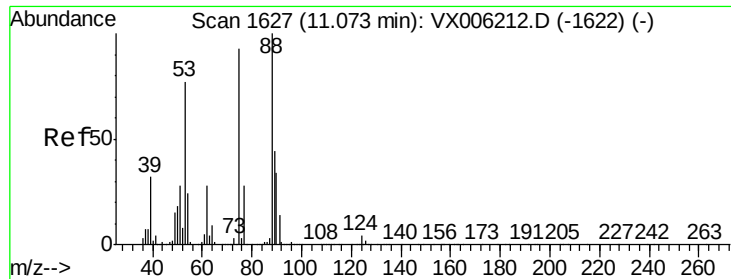
#76
 1,2,3-Trichloropropane
 Concen: 5.270 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.21 min
 Lab File: VX006521.D
 Acq: 14 Dec 2018 16:58

Tgt Ion: 75 Resp: 47882
 Ion Ratio Lower Upper
 75 100
 77 39.8 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.263 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006521.D

Acq: 14 Dec 2018 16:58

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 217849

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#

