

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121418\
 Data File : VX006533.D
 Acq On : 14 Dec 2018 22:18
 Operator : JC/MD
 Sample : J6395-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 04:39:36 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	648612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1029915	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	932812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	435702	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	357540	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
35) Dibromofluoromethane	5.51	113	305846	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
50) Toluene-d8	8.71	98	1212653	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	440632	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

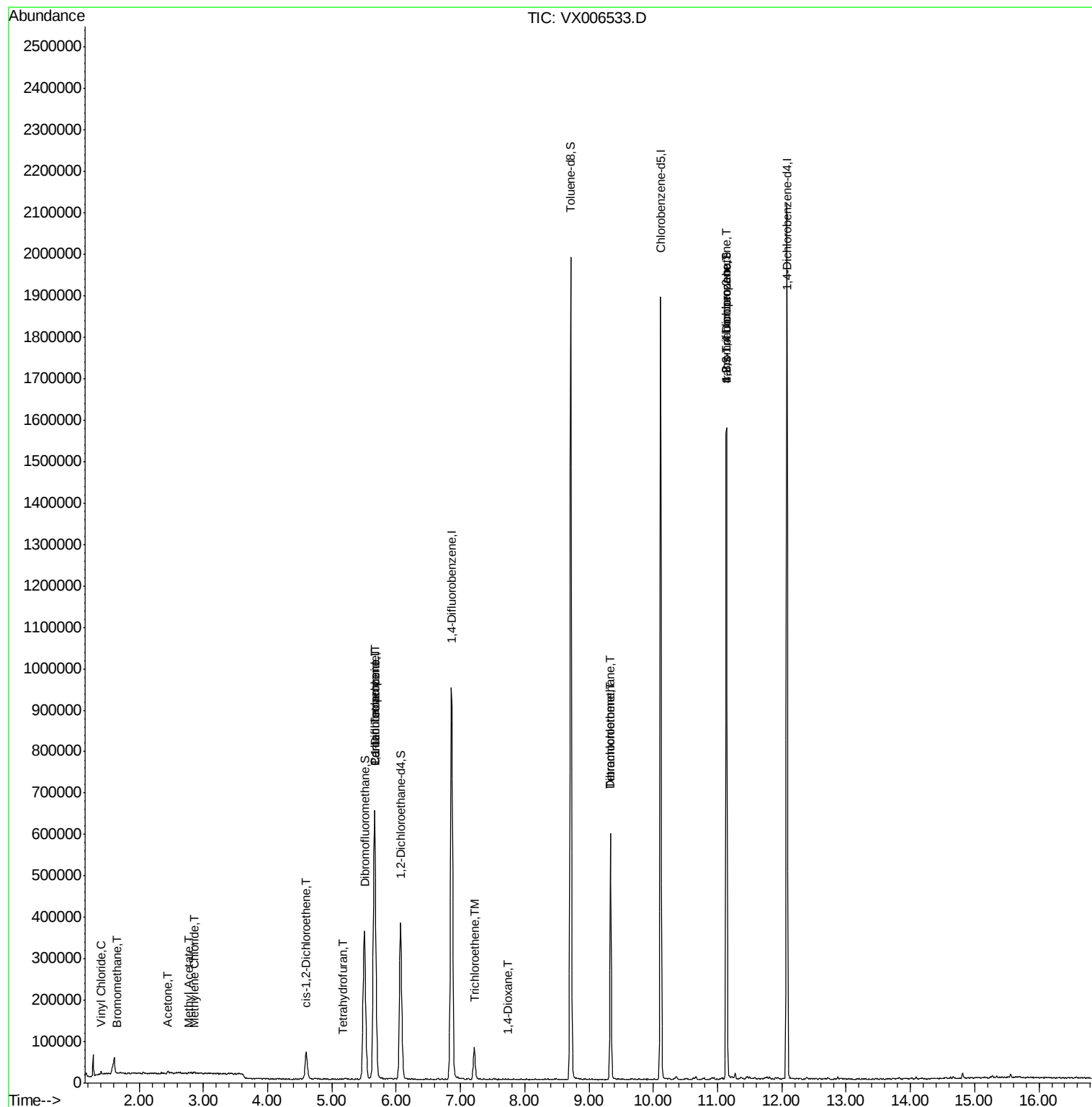
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	5216	0.743	ug/l	95
5) Bromomethane	1.65	94	1133	0.233	ug/l #	41
16) Acetone	2.44	43	5310	1.709	ug/l #	67
18) Methyl Acetate	2.78	43	3709	0.357	ug/l #	72
20) Methylene Chloride	2.85	84	1588	0.240	ug/l #	77
27) cis-1,2-Dichloroethene	4.60	96	43072	6.174	ug/l	88
29) Tetrahydrofuran	5.16	42	646	0.210	ug/l #	68
36) 1,1-Dichloropropene	5.66	75	44067	5.081	ug/l #	49
38) Carbon Tetrachloride	5.67	117	61808	6.058	ug/l #	16
44) Trichloroethene	7.21	130	31138	3.957	ug/l	90
49) 1,4-Dioxane	7.74	88	51	0.263	ug/l #	1
60) Dibromochloromethane	9.34	129	108801	12.709	ug/l #	11
64) Tetrachloroethene	9.34	164	114715	16.330	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	206629	24.570	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	206629	57.659	ug/l #	15

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

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Quant Title : SW846 8260
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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: VX006533.D

Acq: 14 Dec 2018 22:18

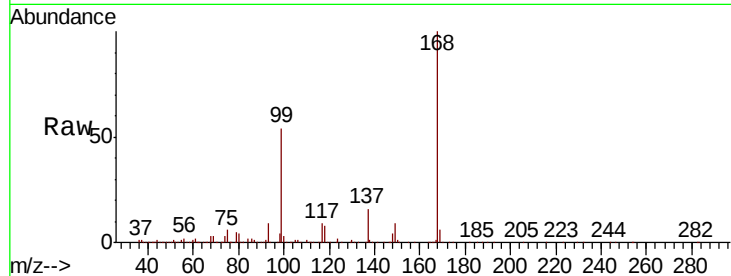
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 648612

Ion Ratio Lower Upper

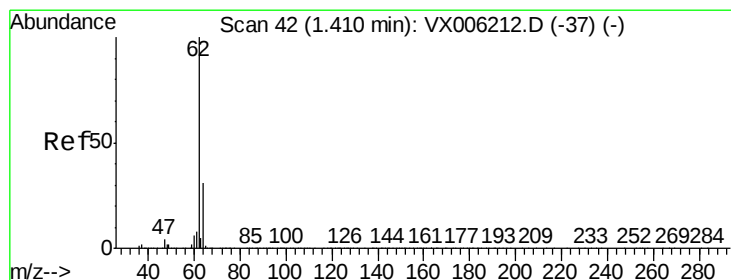
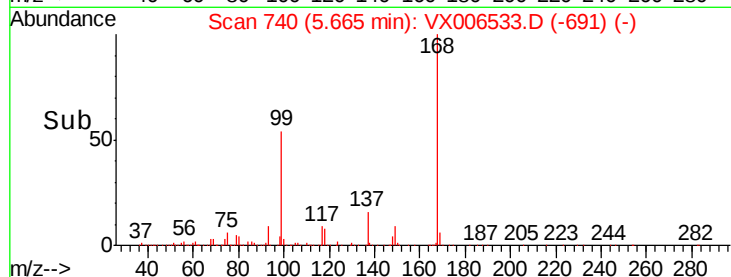
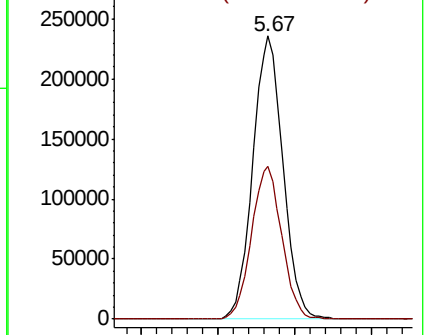
168 100

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



#4

Vinyl Chloride

Concen: 0.743 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006533.D

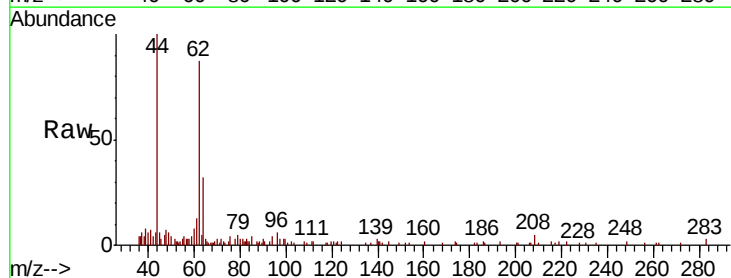
Acq: 14 Dec 2018 22:18

Tgt Ion: 62 Resp: 5216

Ion Ratio Lower Upper

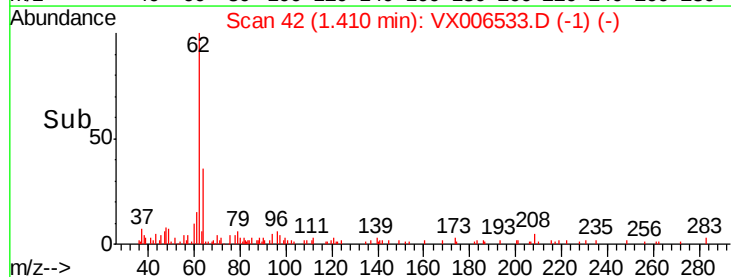
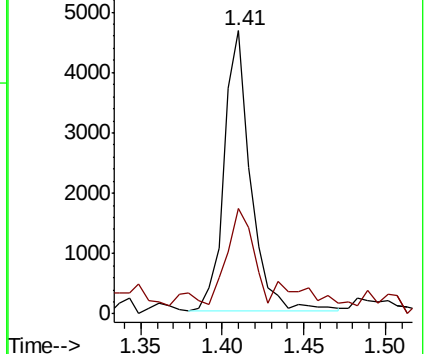
62 100

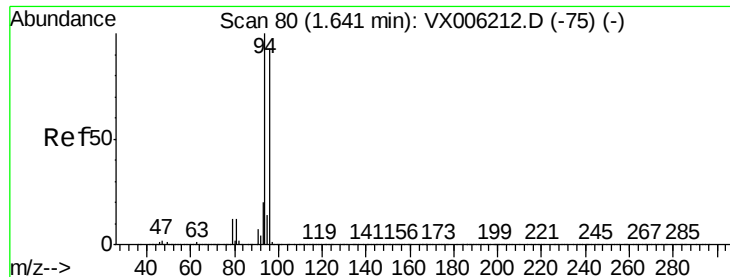
64 33.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

Instrument :

MSVOA_X

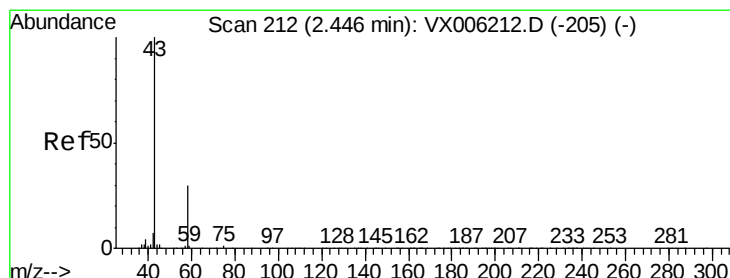
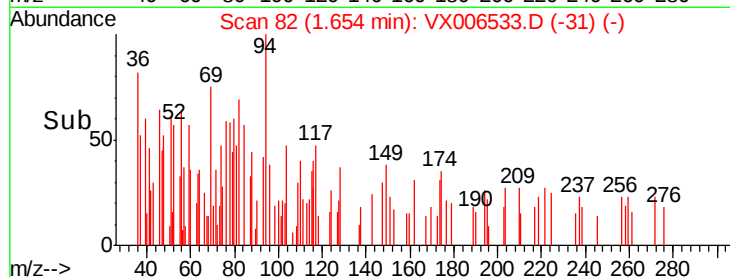
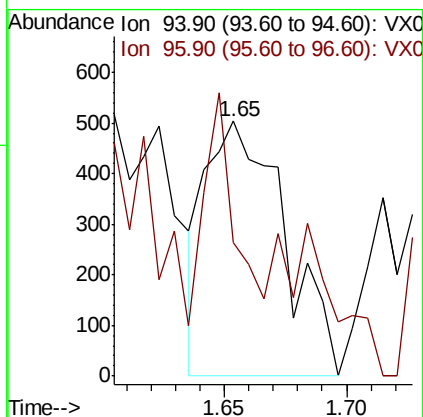
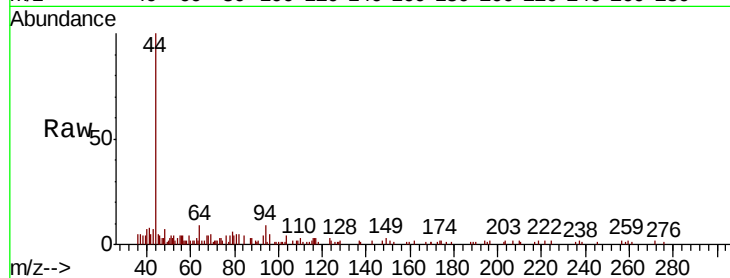
ClientSampleId :

Tot Ion: 94 Resp: 1133

Ion Ratio Lower Upper

94 100

96 36.6 74.5 111.7#



#16

Acetone

Concen: 1.709 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006533.D

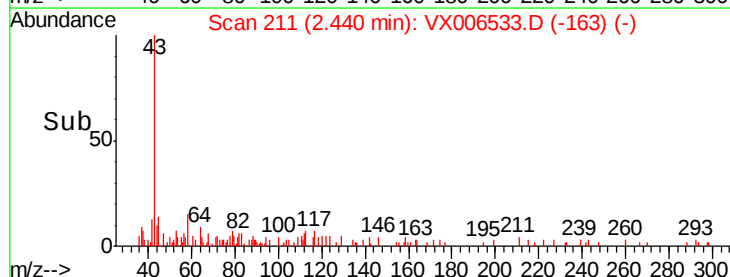
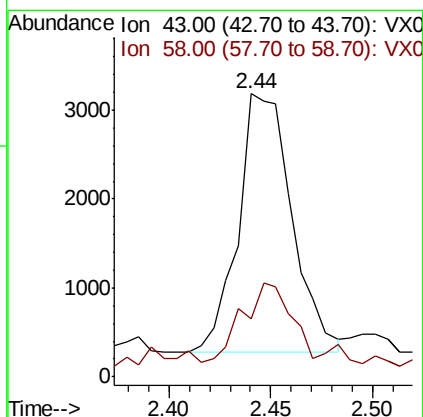
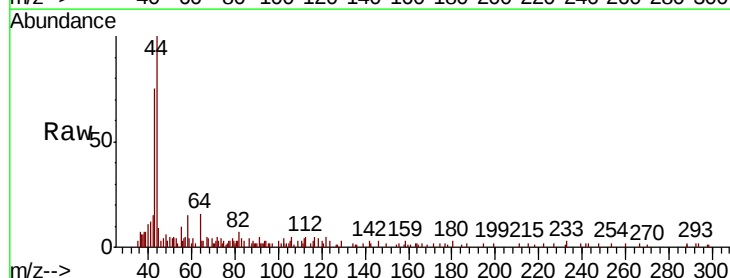
Acq: 14 Dec 2018 22:18

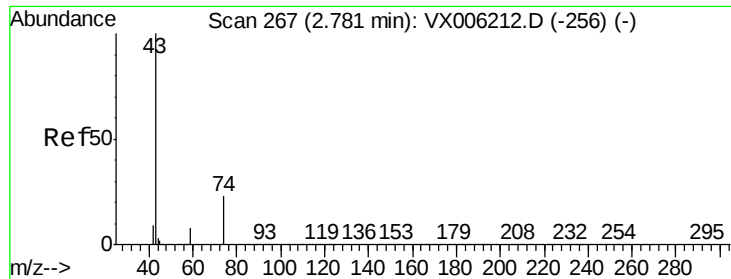
Tgt Ion: 43 Resp: 5310

Ion Ratio Lower Upper

43 100

58 12.2 24.0 36.0#

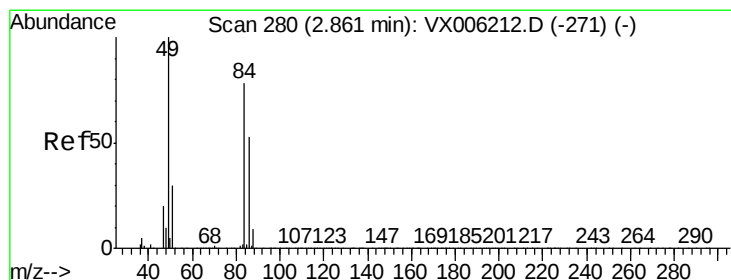
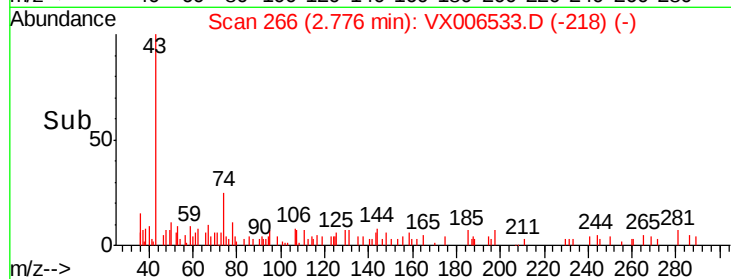
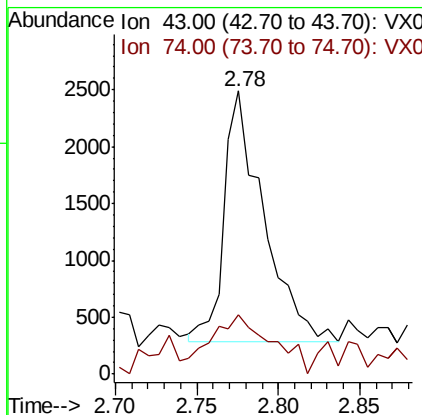
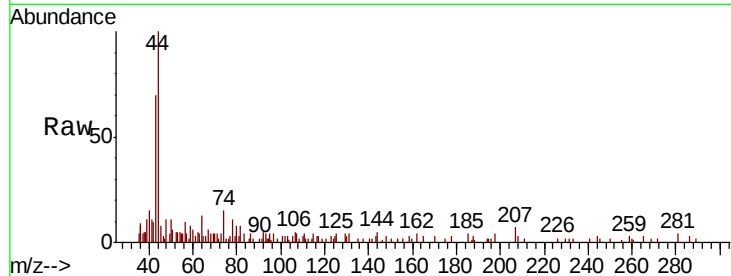




#18
Methyl Acetate
Concen: 0.357 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

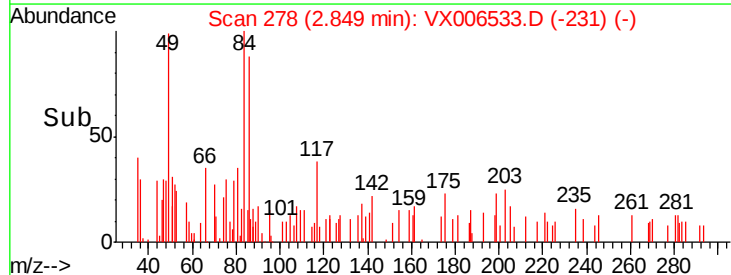
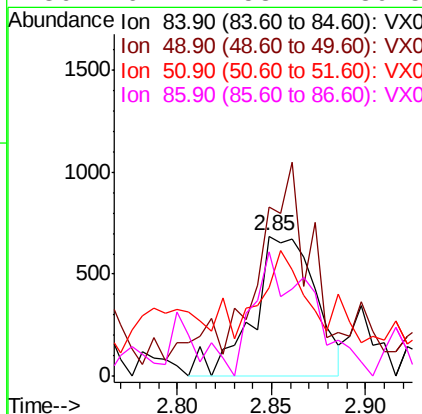
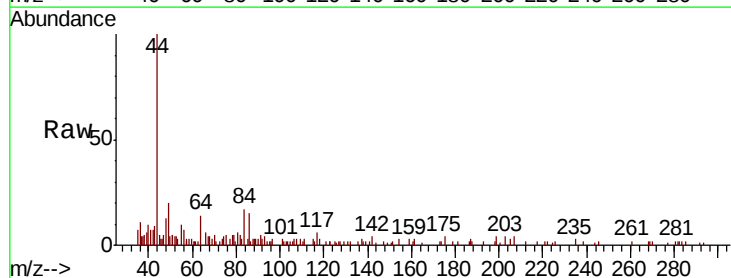
Instrument :
MSVOA_X
ClientSampled :

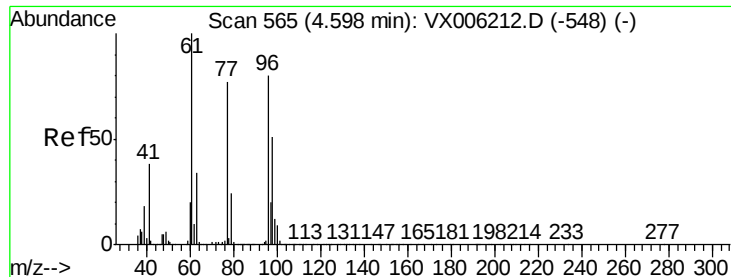
Tot Ion: 43 Resp: 3709
Ion Ratio Lower Upper
43 100
74 35.7 17.9 26.9#



#20
Methylene Chloride
Concen: 0.240 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

Tgt Ion: 84 Resp: 1588
Ion Ratio Lower Upper
84 100
49 96.2 102.2 153.4#
51 17.0 31.1 46.7#
86 62.4 53.7 80.5



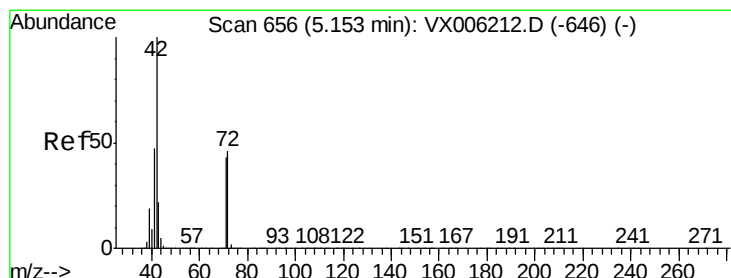
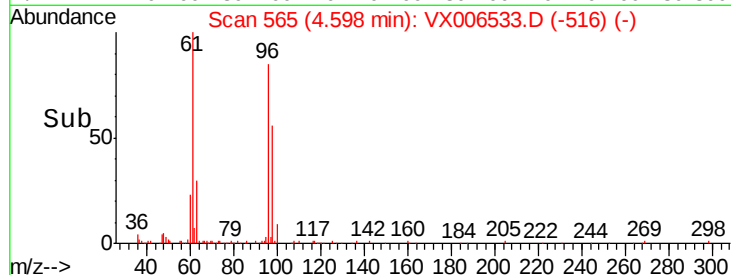
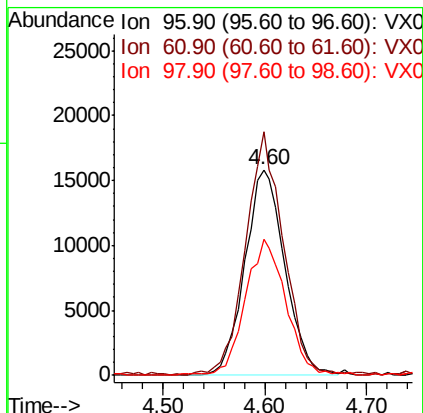
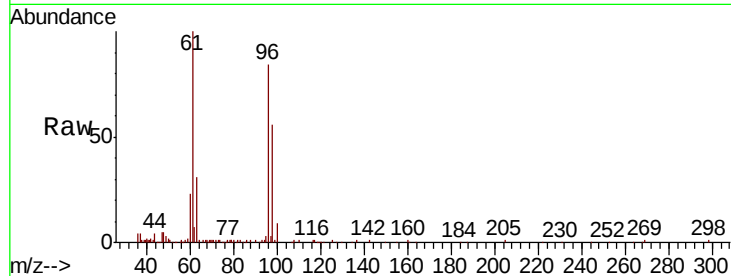


#27

cis-1,2-Dichloroethene
Concen: 6.174 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

Instrument :
MSVOA_X
ClientSampled :

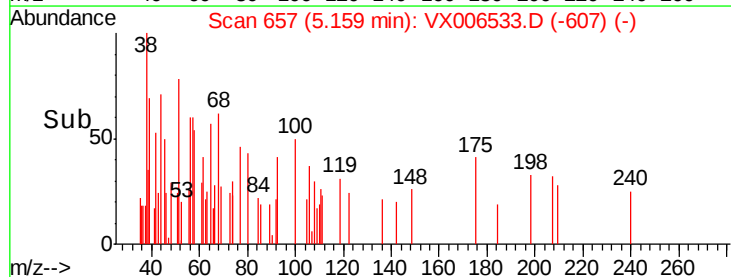
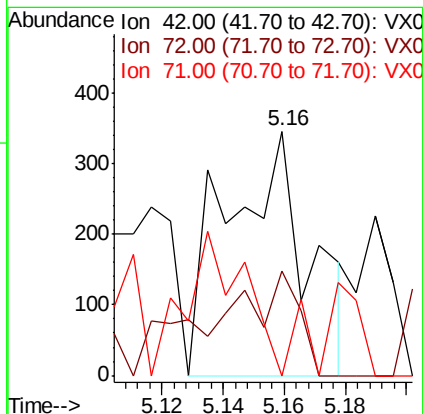
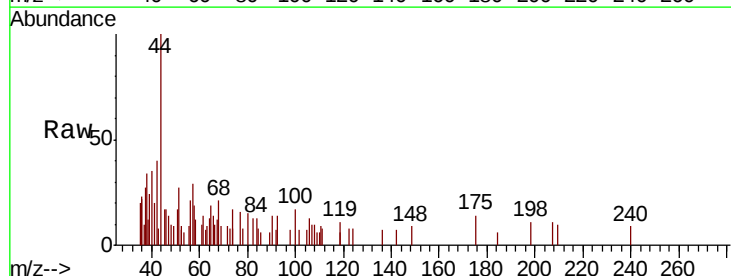
Tot Ion	Ratio	Lower	Upper
96	100		
61	112.5	0.0	265.0
98	66.6	0.0	130.2

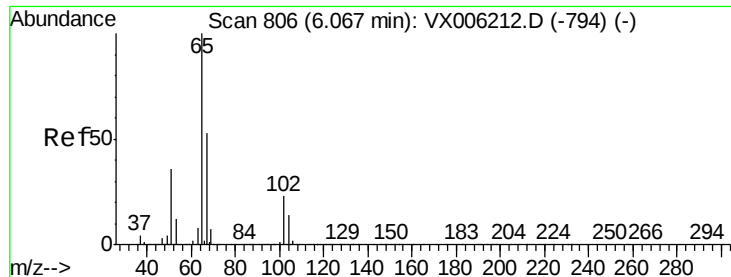


#29

Tetrahydrofuran
Concen: 0.210 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

Tgt Ion	Ratio	Lower	Upper
42	100		
72	29.3	37.8	56.8#
71	19.7	35.2	52.8#

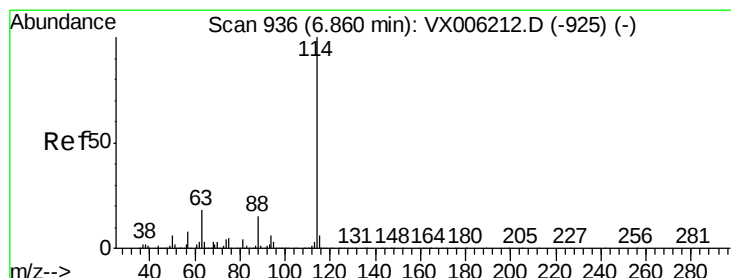
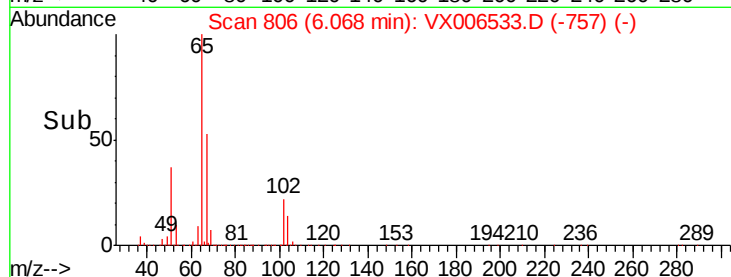
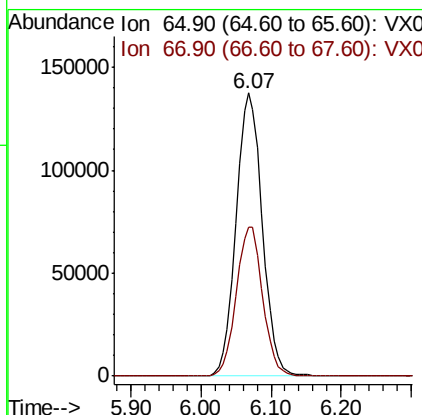
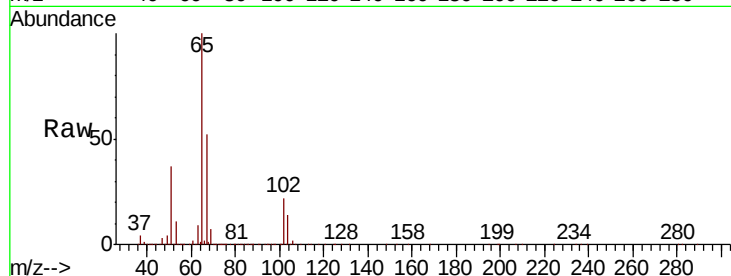




#33
 1,2-Dichloroethane-d4
 Concen: 53.999 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006533.D
 Acq: 14 Dec 2018 22:18

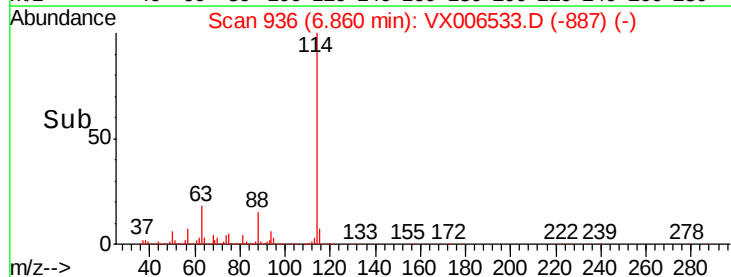
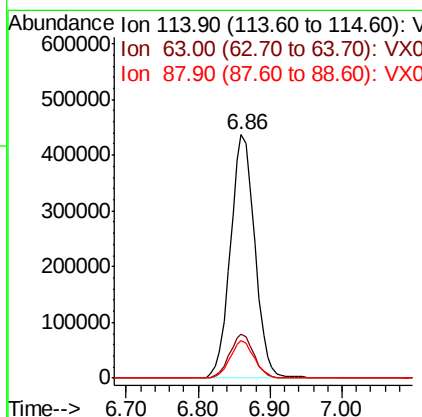
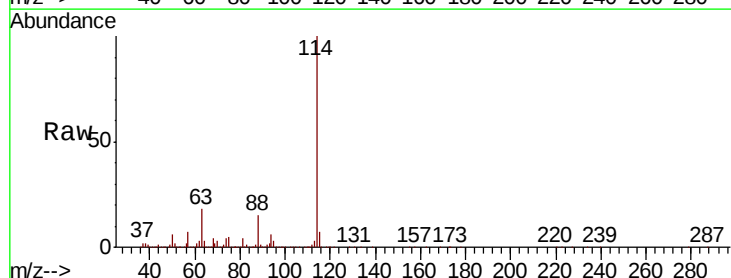
Instrument :
 MSVOA_X
 ClientSampleId :

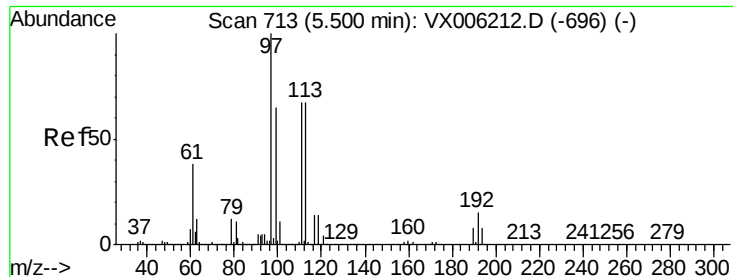
Tot Ion: 65 Resp: 357540
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006533.D
 Acq: 14 Dec 2018 22:18

Tgt Ion: 114 Resp: 1029915
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.6
 88 15.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.866 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :

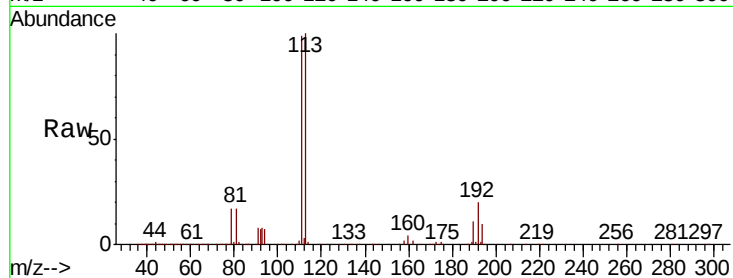
Tot Ion:113 Resp: 305846

Ion Ratio Lower Upper

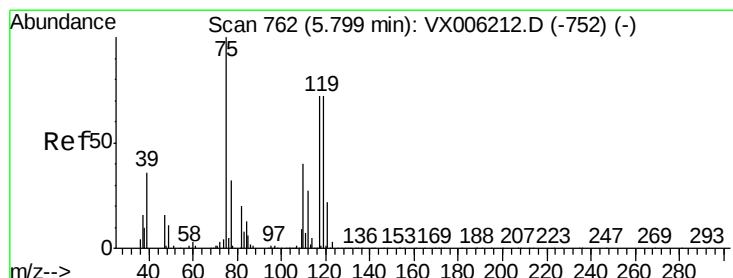
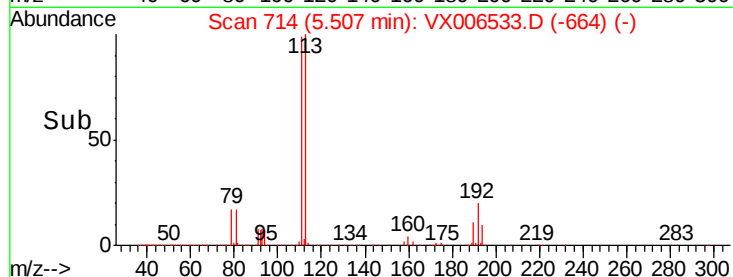
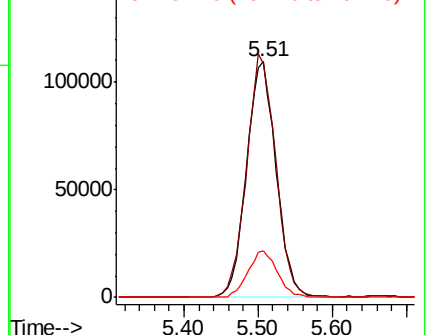
113 100

111 101.3 81.1 121.7

192 19.7 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: 5.081 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

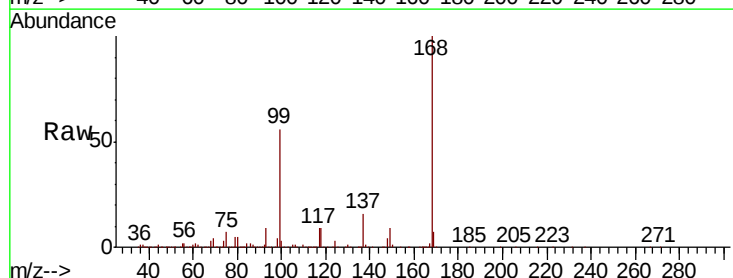
Tgt Ion: 75 Resp: 44067

Ion Ratio Lower Upper

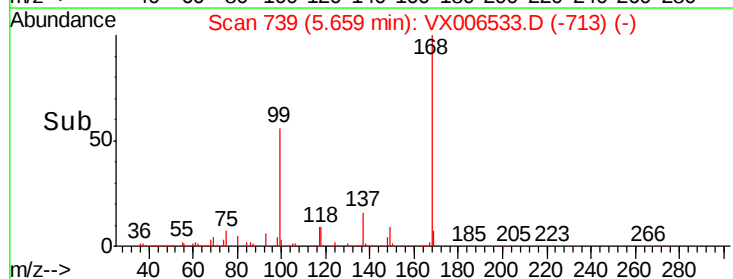
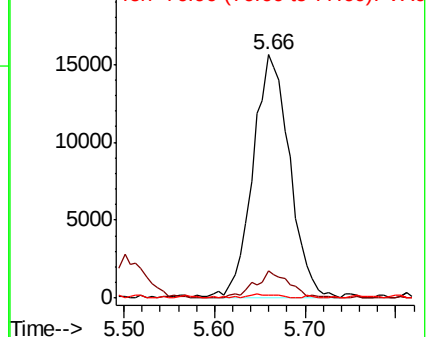
75 100

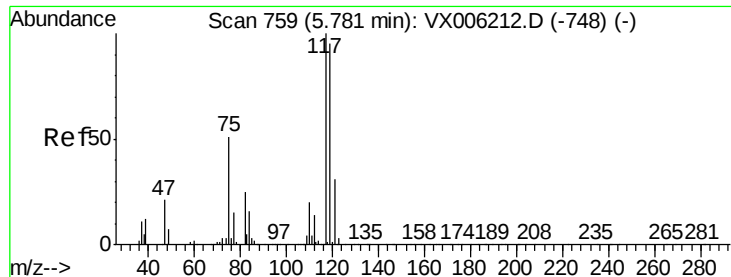
110 10.4 20.4 61.3#

77 1.3 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

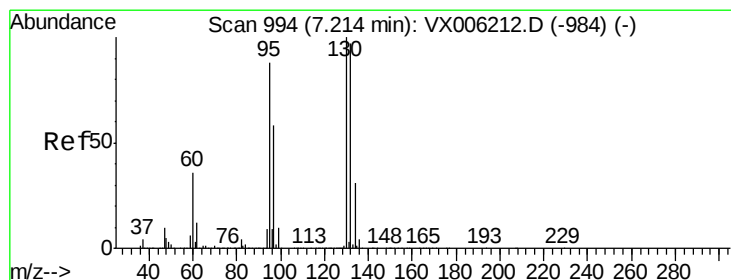
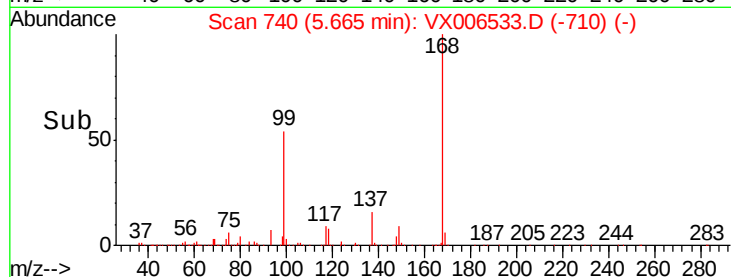
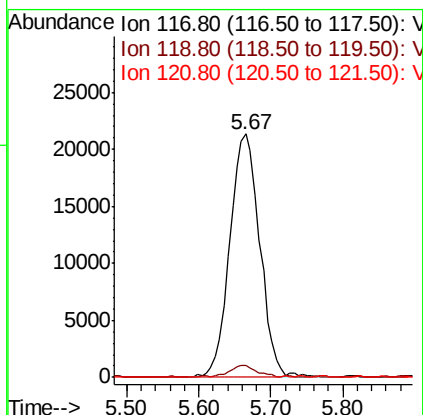
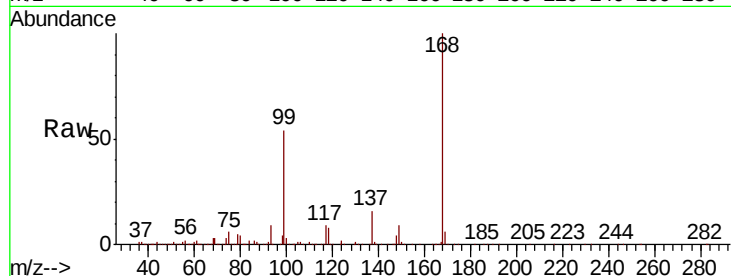




#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

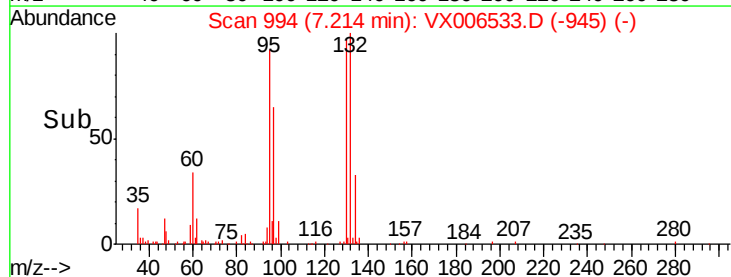
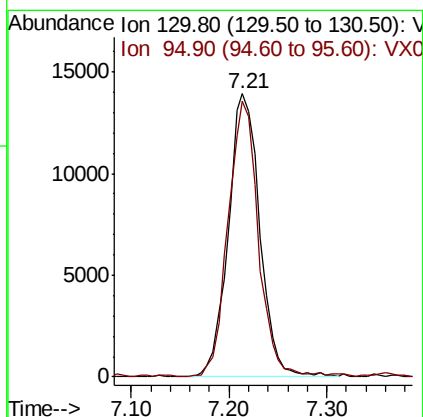
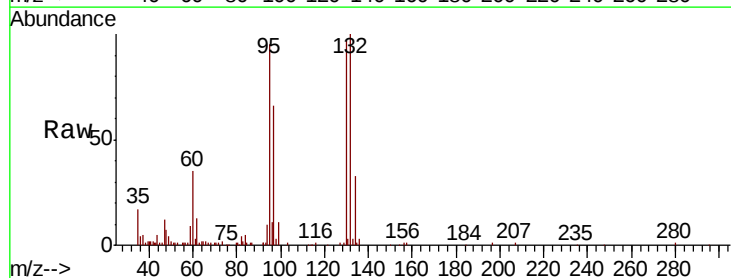
Instrument :
MSVOA_X
ClientSampleId :

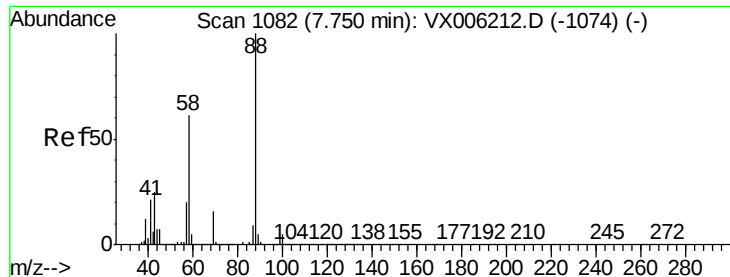
Tot Ion:117 Resp: 61808
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 3.957 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

Tgt Ion:130 Resp: 31138
Ion Ratio Lower Upper
130 100
95 97.5 0.0 175.8

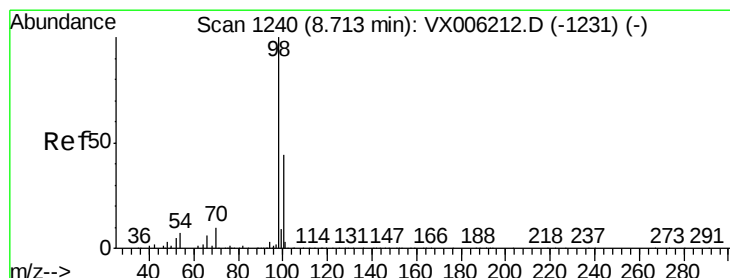
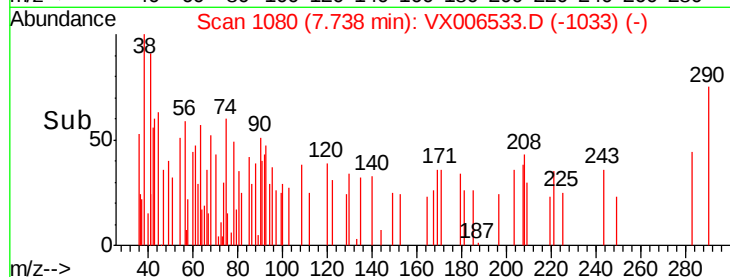
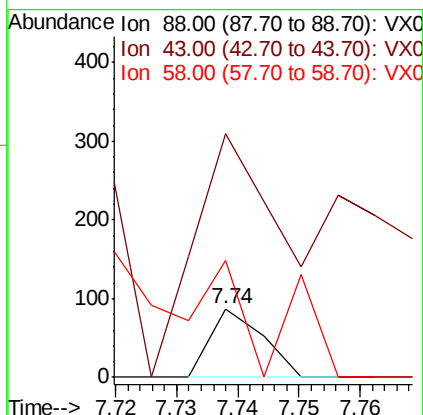
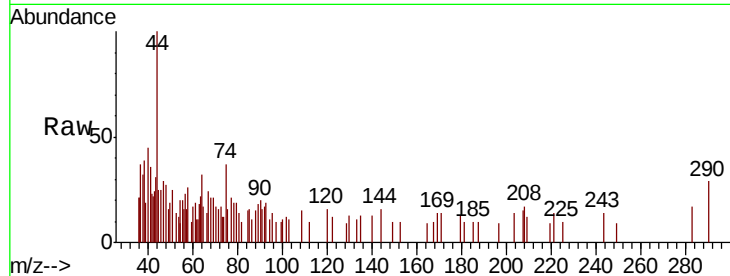




#49
1,4-Dioxane
Concen: 0.263 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

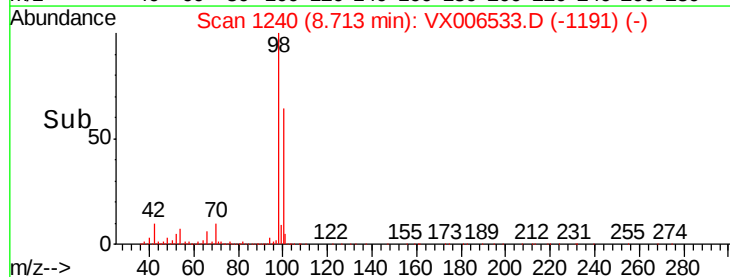
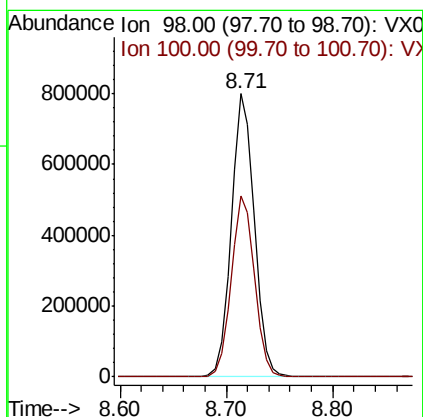
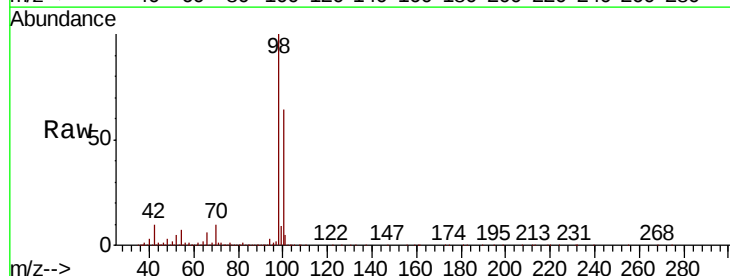
Instrument :
MSVOA_X
ClientSampleId :

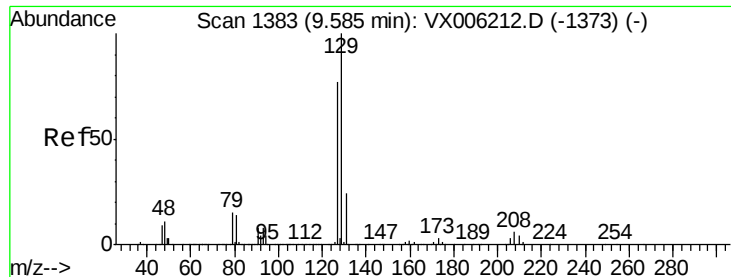
Tot Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 592.2 23.2 34.8#
58 268.6 51.4 77.0#



#50
Toluene-d8
Concen: 49.995 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

Tgt Ion: 98 Resp: 1212653
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2





#60

Dibromochloromethane

Concen: 12.709 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

Instrument :

MSVOA_X

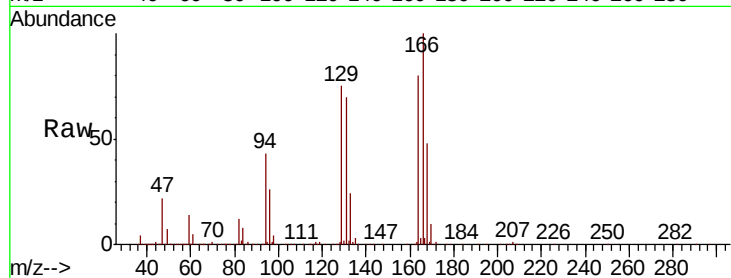
ClientSampleId :

Tot Ion:129 Resp: 108801

Ion Ratio Lower Upper

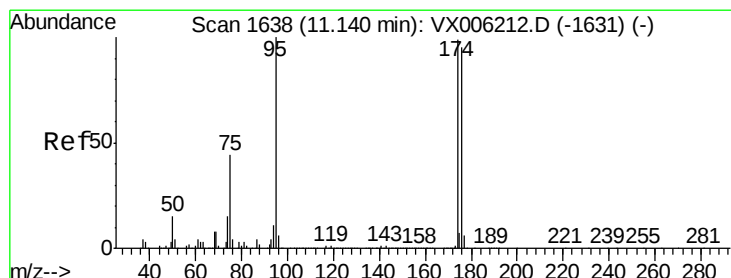
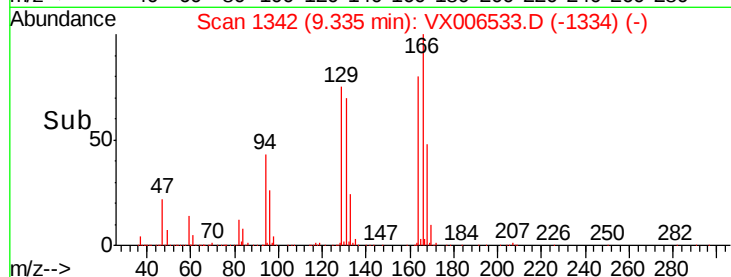
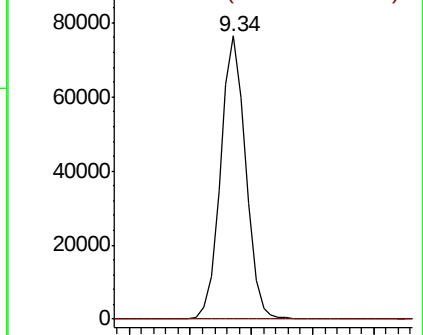
129 100

127 0.2 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.209 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

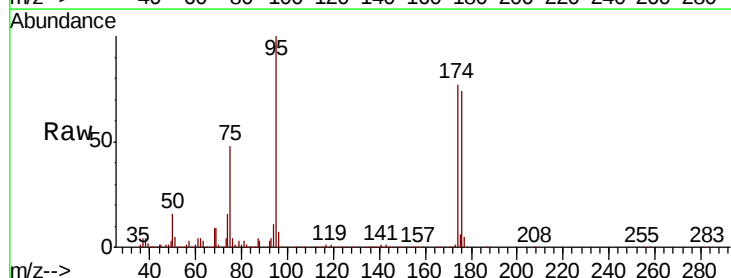
Tgt Ion: 95 Resp: 440632

Ion Ratio Lower Upper

95 100

174 84.8 0.0 187.0

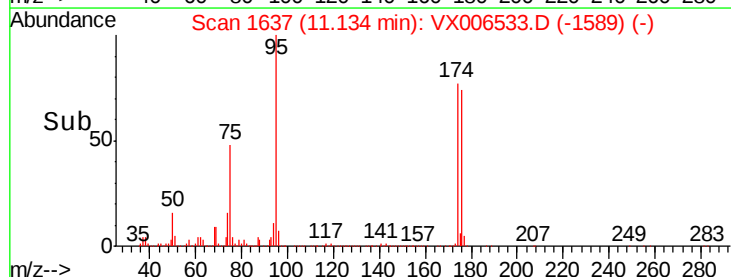
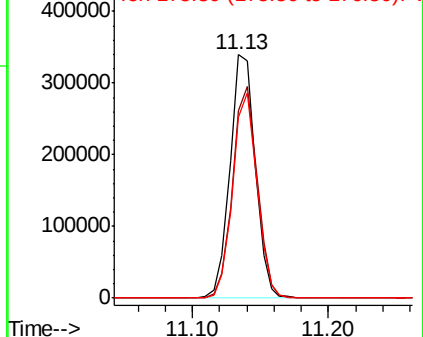
176 81.3 0.0 181.8

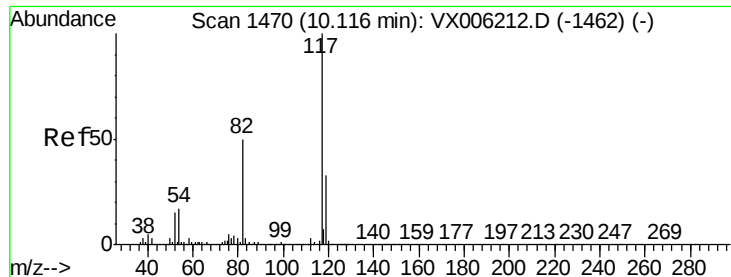


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

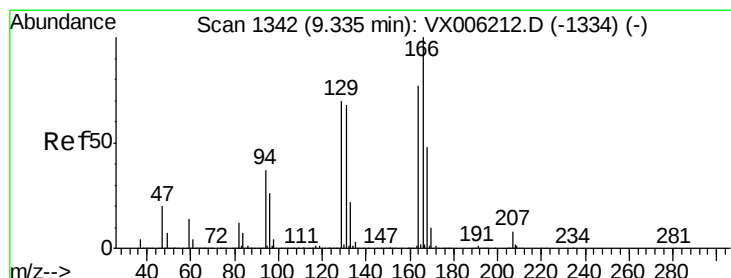
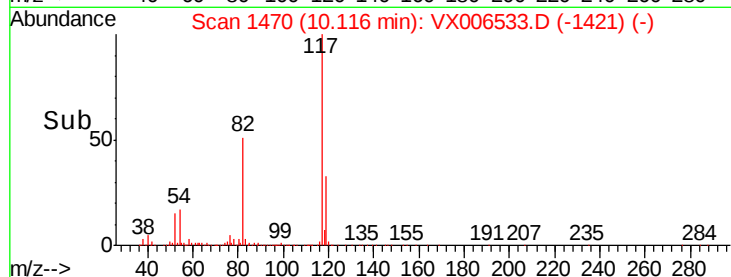
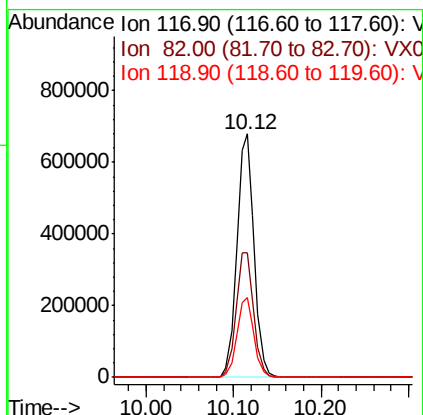
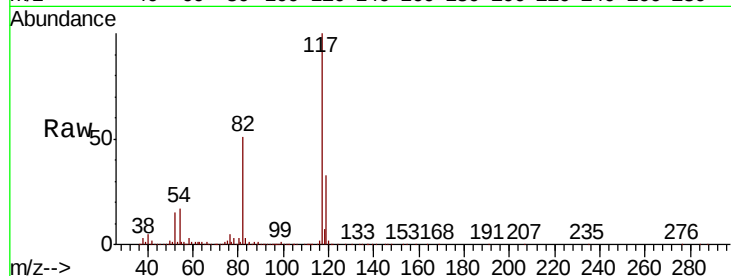




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

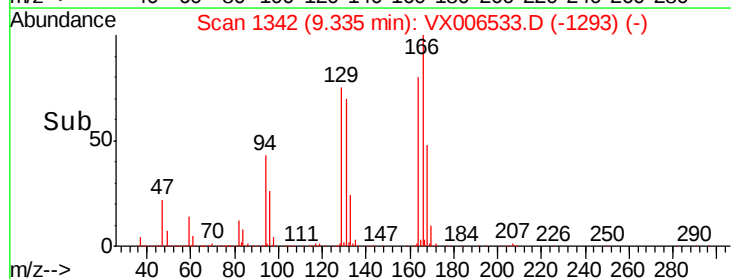
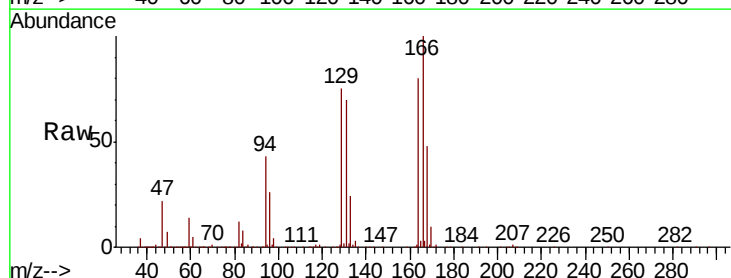
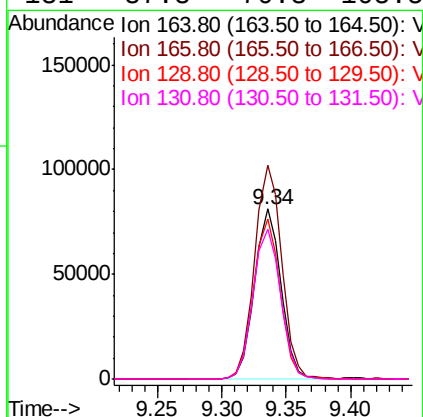
Instrument :
MSVOA_X
ClientSampled :

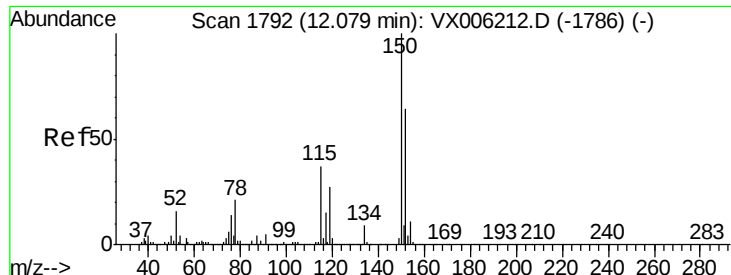
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	39.6	59.4
119	33.0	26.3	39.5



#64
Tetrachloroethene
Concen: 16.330 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006533.D
Acq: 14 Dec 2018 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.2	156.2
129	94.2	72.6	108.8
131	87.8	70.3	105.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

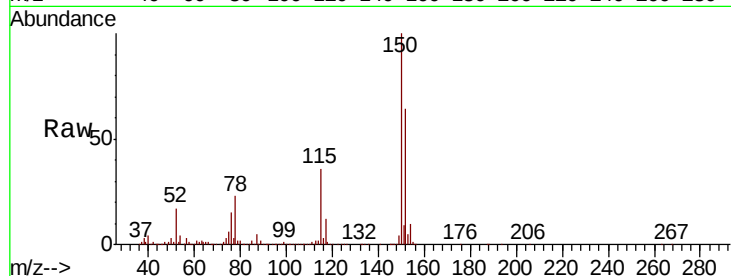
Tot Ion:152 Resp: 435702

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

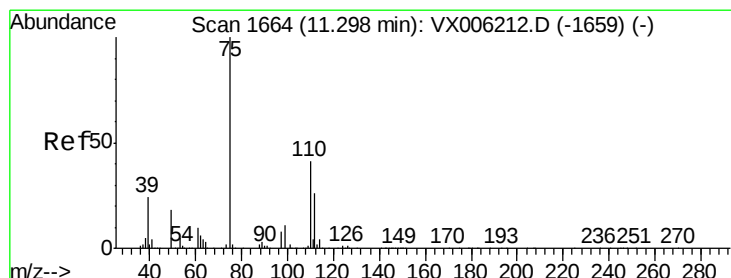
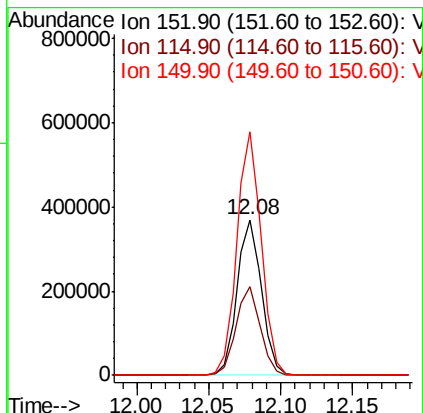
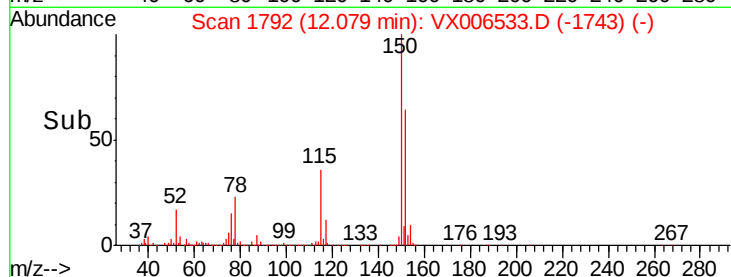
150 156.9 0.0 345.8



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: 24.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006533.D

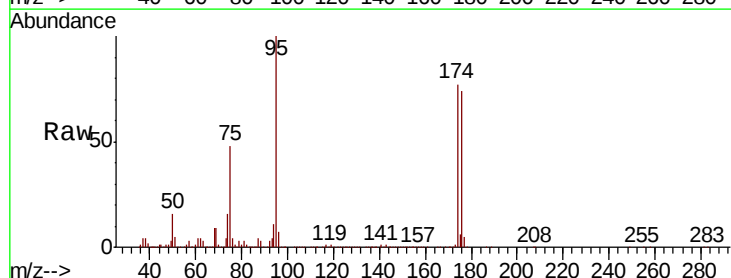
Acq: 14 Dec 2018 22:18

Tgt Ion: 75 Resp: 206629

Ion Ratio Lower Upper

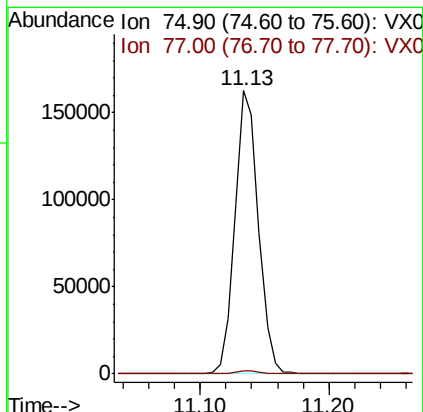
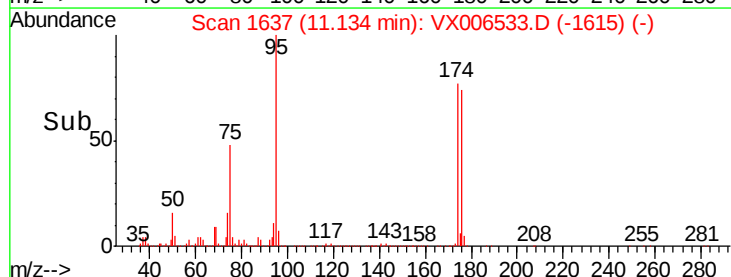
75 100

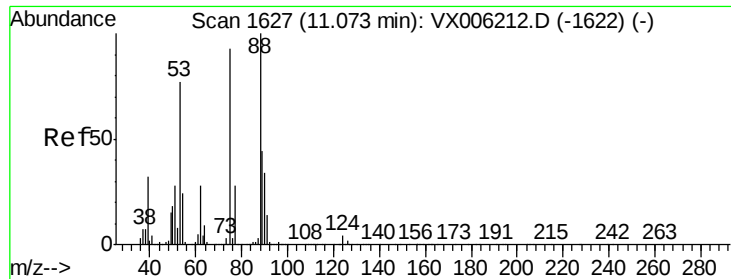
77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006533.D

Acq: 14 Dec 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 206629

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

