

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007775.D
 Acq On : 28 Feb 2019 19:05
 Operator : JC/SP
 Sample : K1655-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A0C1-TWP

Quant Time: Mar 01 01:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	485866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	474330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230956	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	186018	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	5.50	113	158522	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	605796	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	221436	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

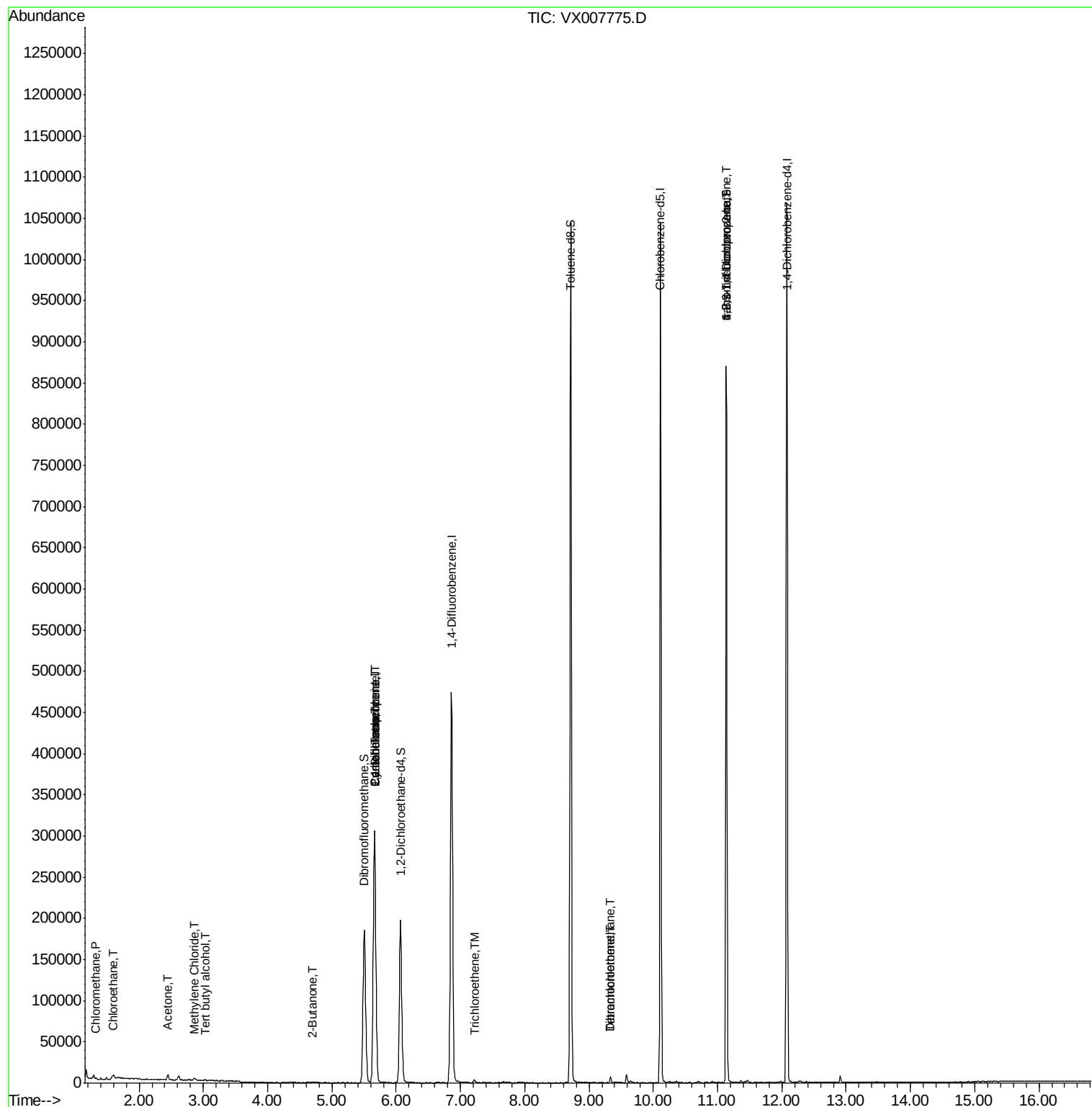
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1180	0.369	ug/l	90
5) Bromomethane	1.65	94	350	Below Cal	#	65
6) Chloroethane	1.59	64	3545	1.693	ug/l #	66
11) Tert butyl alcohol	3.03	59	631	0.858	ug/l #	81
16) Acetone	2.45	43	7292	4.230	ug/l	93
20) Methylene Chloride	2.86	84	1117	0.351	ug/l #	92
25) 2-Butanone	4.70	43	1298	0.494	ug/l #	84
31) Cyclohexane	5.67	56	5316	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20389	4.668	ug/l #	47
38) Carbon Tetrachloride	5.67	117	27029	6.160	ug/l #	17
44) Trichloroethene	7.21	130	1354	0.365	ug/l	96
60) Dibromochloromethane	9.34	129	1205	0.353	ug/l #	12
64) Tetrachloroethene	9.33	164	1558	0.405	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	106703	21.675	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	106703	57.596	ug/l #	9

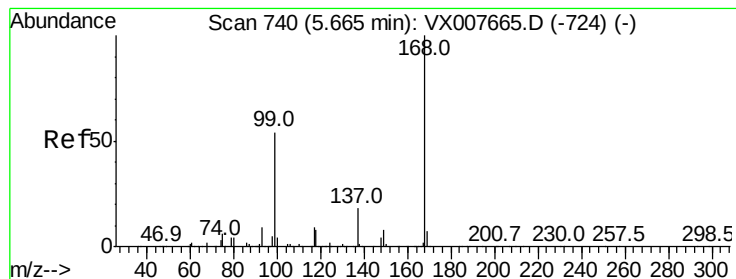
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022819\
Data File : VX007775.D
Acq On : 28 Feb 2019 19:05
Operator : JC/SP
Sample : K1655-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
A0C1-TWP

Quant Time: Mar 01 01:33:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
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: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

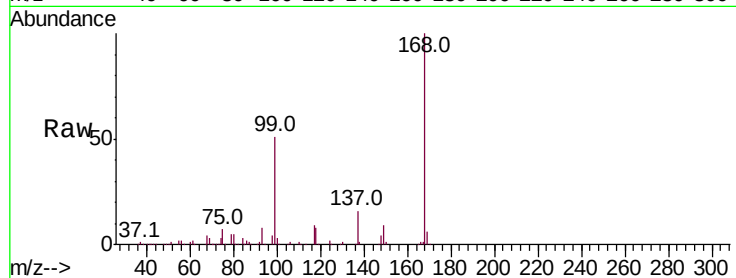
A0C1-TWP

Tot Ion:168 Resp: 312919

Ion Ratio Lower Upper

168 100

99 51.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

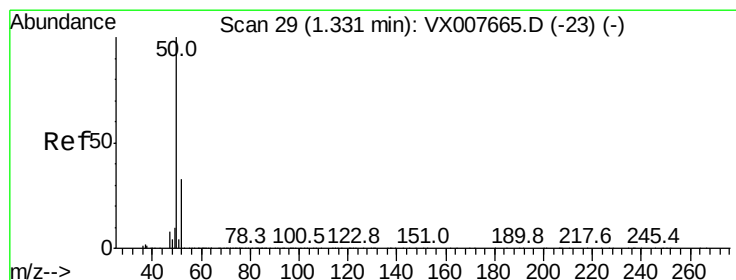
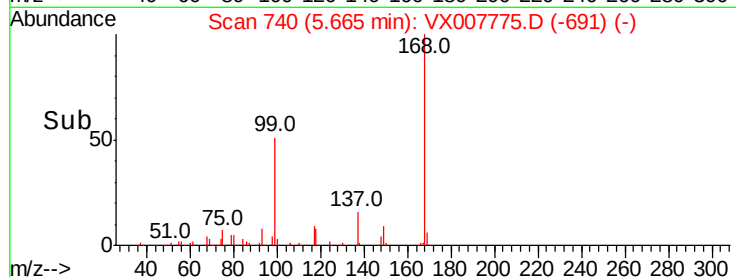
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.369 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007775.D

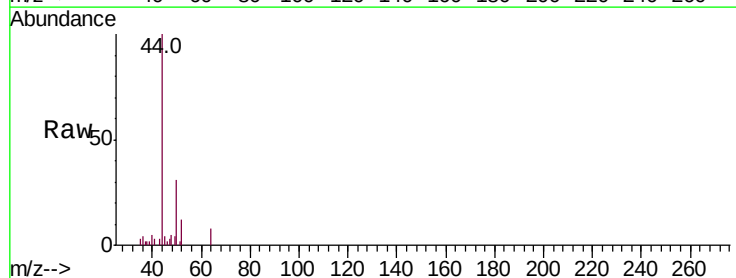
Acq: 28 Feb 2019 19:05

Tgt Ion: 50 Resp: 1180

Ion Ratio Lower Upper

50 100

52 38.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1200

1000

800

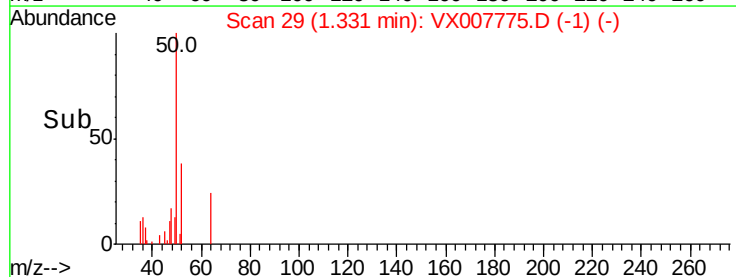
600

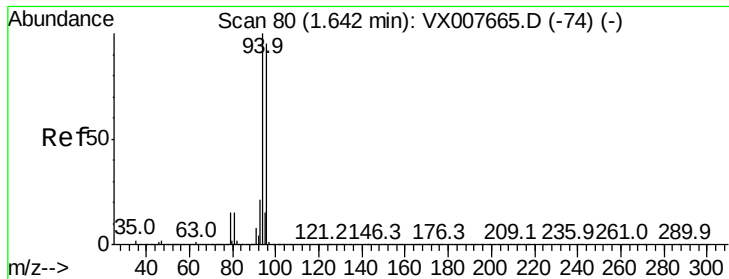
400

200

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

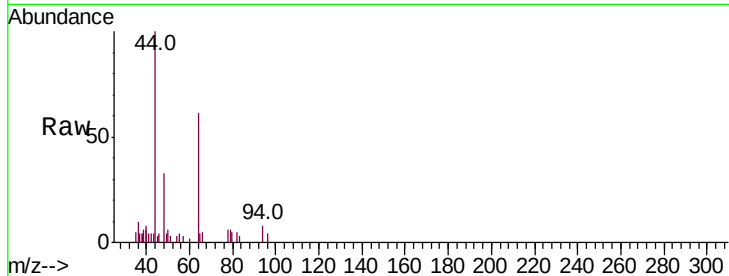
A0C1-TWP

Tot Ion: 94 Resp: 350

Ion Ratio Lower Upper

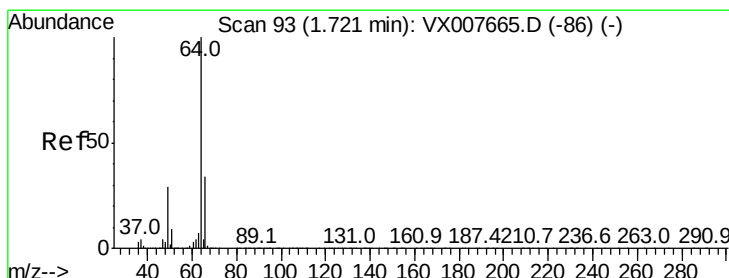
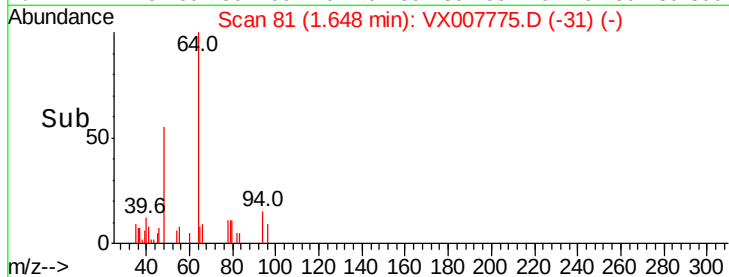
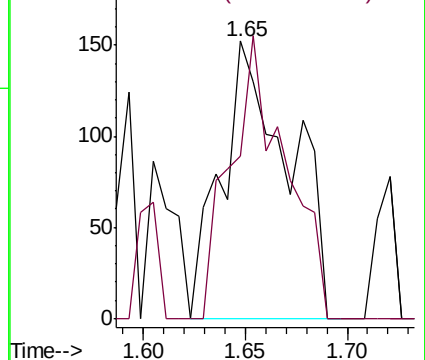
94 100

96 58.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.693 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX007775.D

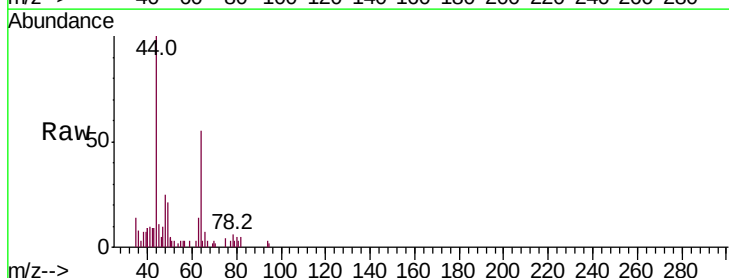
Acq: 28 Feb 2019 19:05

Tgt Ion: 64 Resp: 3545

Ion Ratio Lower Upper

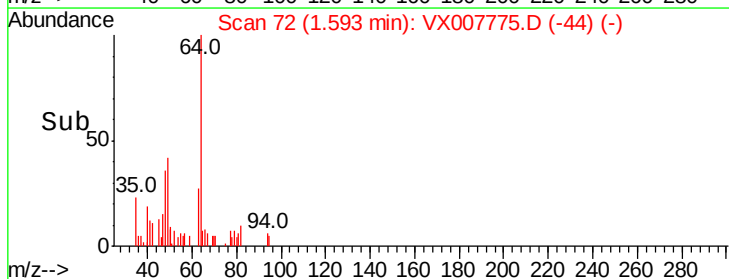
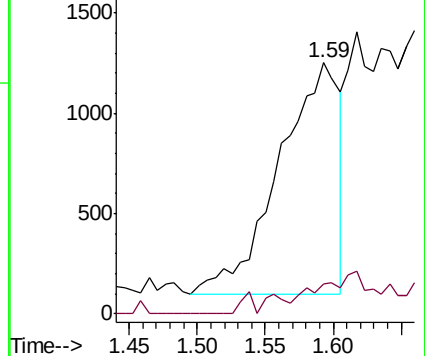
64 100

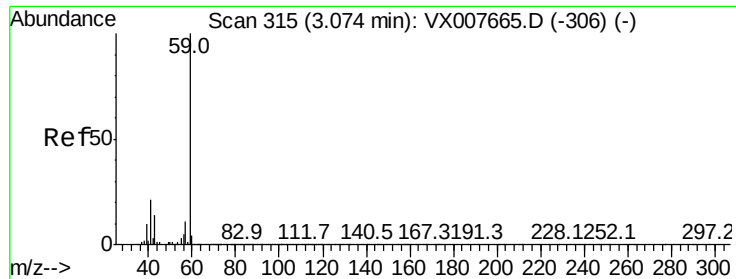
66 13.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



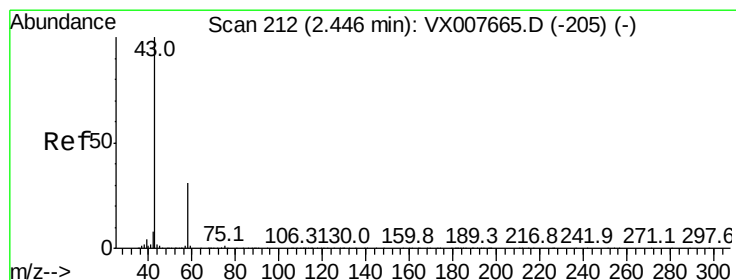
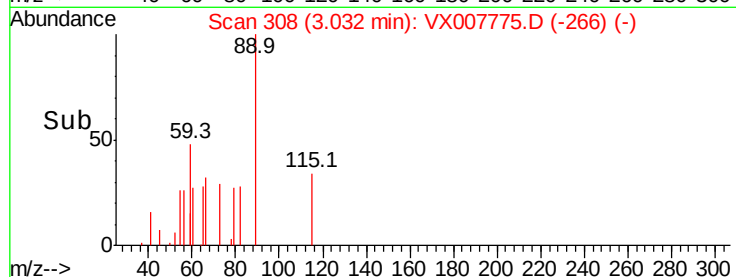
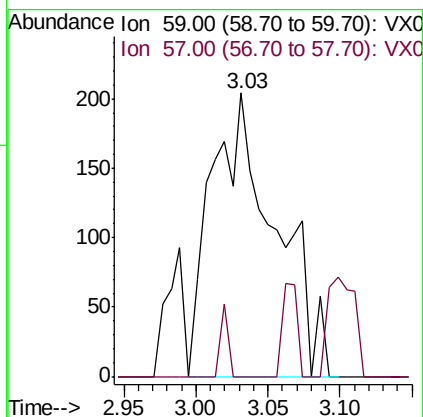
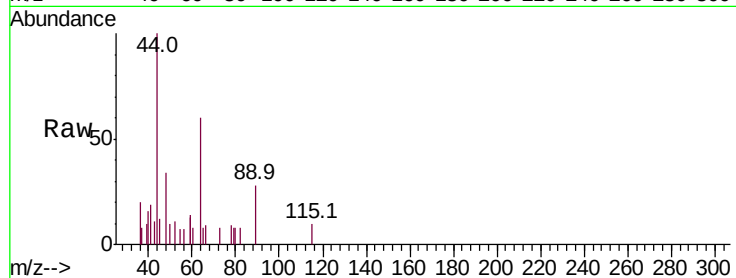


#11

Tert butyl alcohol
 Concen: 0.858 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.04 min
 Lab File: VX007775.D
 Acq: 28 Feb 2019 19:05

Instrument :
 MSVOA_X
 ClientSampled :
 A0C1-TWP

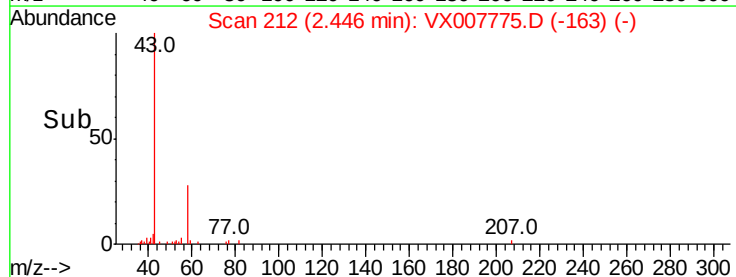
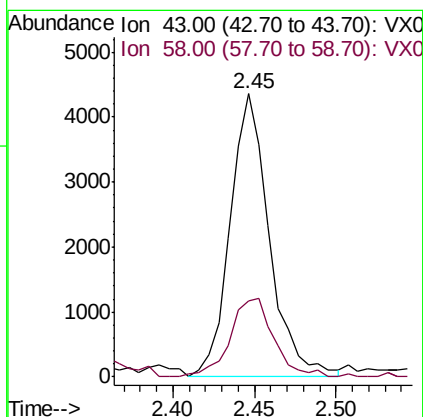
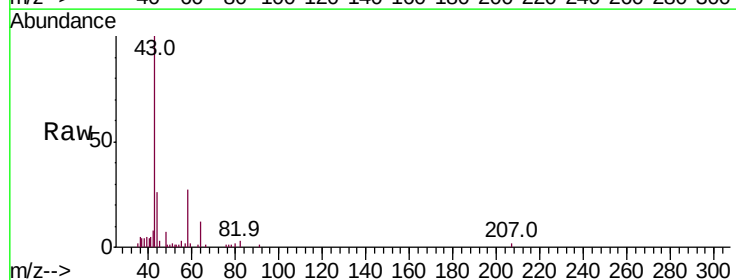
Tot Ion: 59 Resp: 631
 Ion Ratio Lower Upper
 59 100
 57 3.0 8.1 12.1#

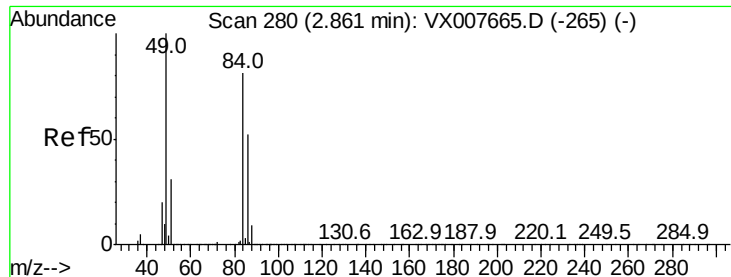


#16

Acetone
 Concen: 4.230 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX007775.D
 Acq: 28 Feb 2019 19:05

Tgt Ion: 43 Resp: 7292
 Ion Ratio Lower Upper
 43 100
 58 27.0 24.9 37.3

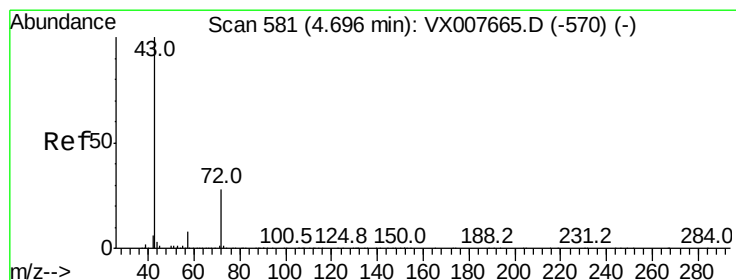
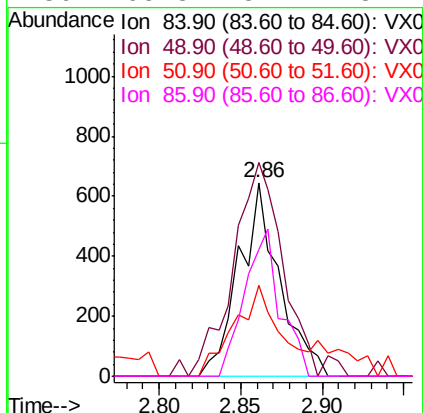
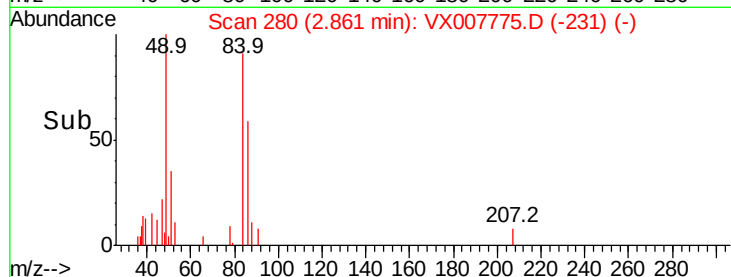
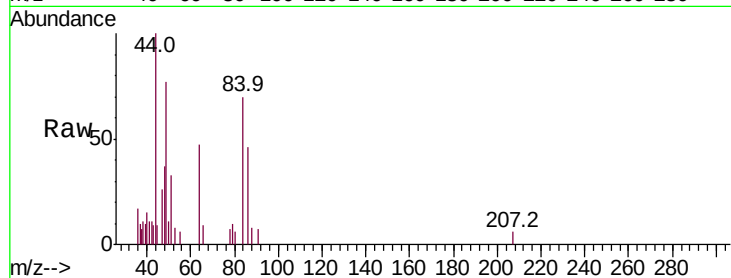




#20
Methvlene Chloride
Concen: 0.351 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007775.D
Acq: 28 Feb 2019 19:05

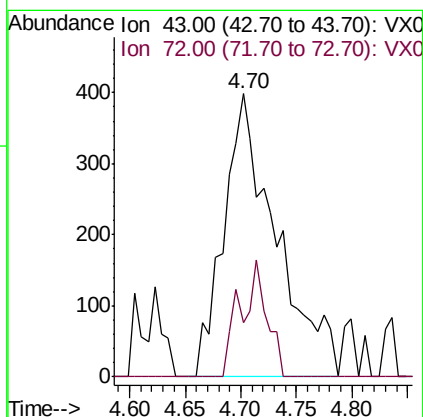
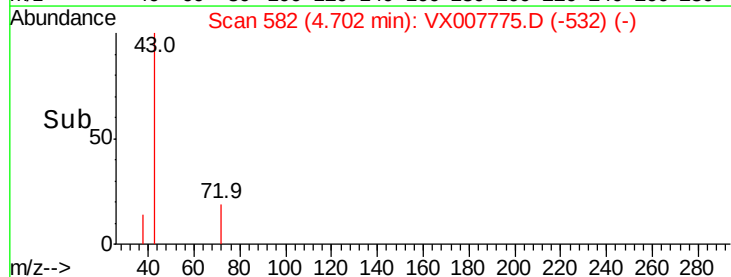
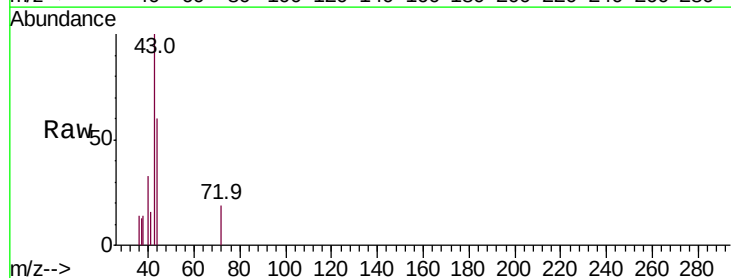
Instrument :
MSVOA_X
ClientSampled :
A0C1-TWP

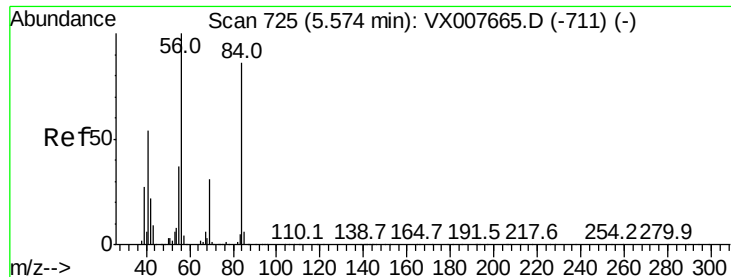
Tot Ion: 84 Resp: 1117
Ion Ratio Lower Upper
84 100
49 110.2 94.8 142.2
51 47.2 29.8 44.8#
86 65.3 54.1 81.1



#25
2-Butanone
Concen: 0.494 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007775.D
Acq: 28 Feb 2019 19:05

Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
72 19.1 22.2 33.2#

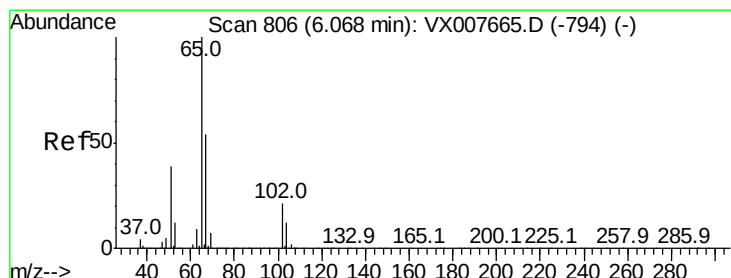
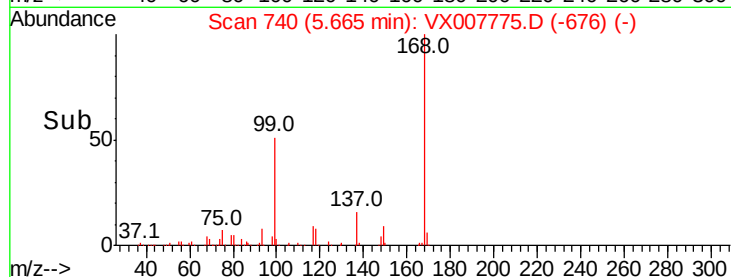
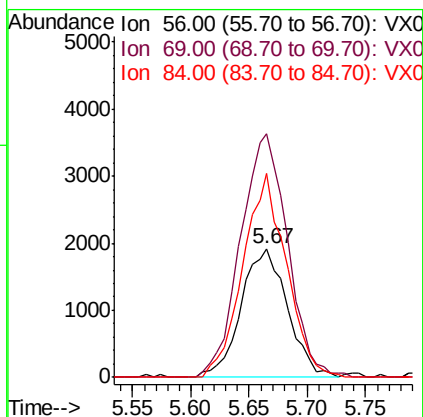
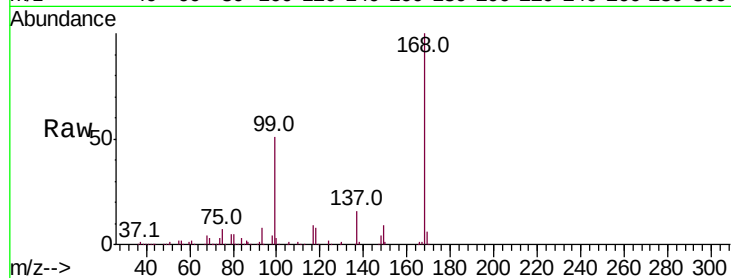




#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007775.D
Acq: 28 Feb 2019 19:05

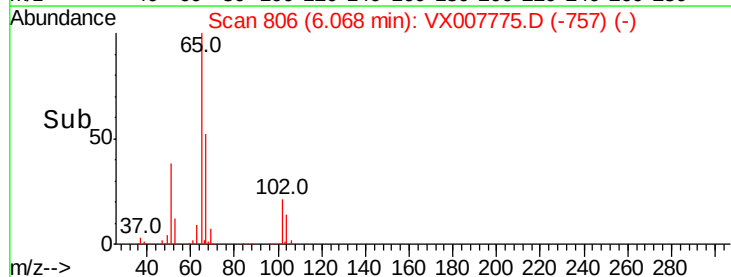
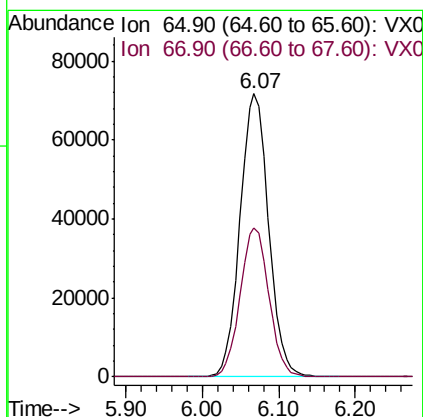
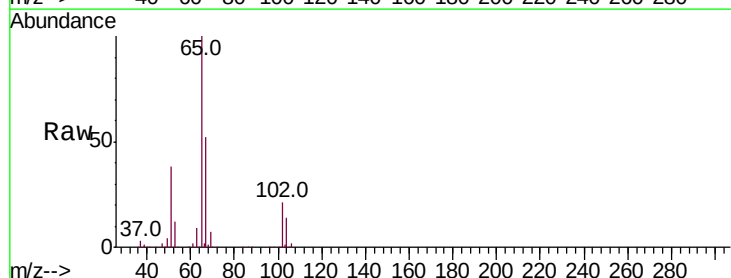
Instrument :
MSVOA_X
ClientSampleId :
A0C1-TWP

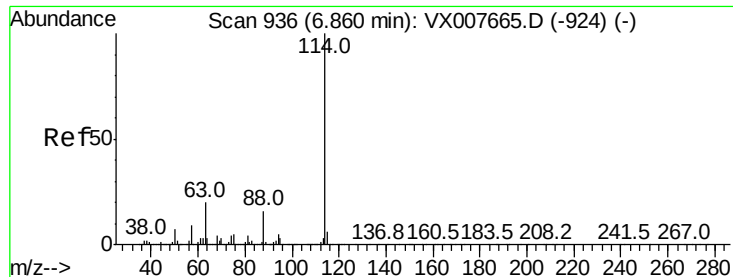
Tot Ion: 56 Resp: 5316
Ion Ratio Lower Upper
56 100
69 188.7 23.0 34.6#
84 158.4 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 47.991 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007775.D
Acq: 28 Feb 2019 19:05

Tgt Ion: 65 Resp: 186018
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampled :

A0C1-TWP

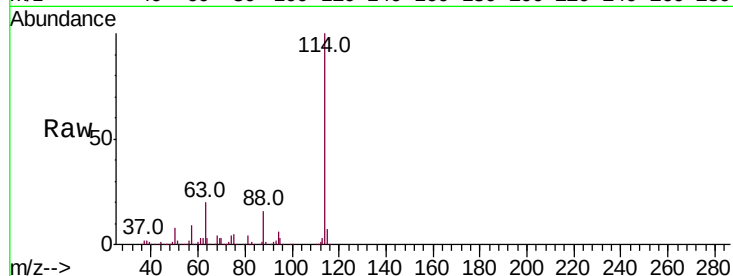
Tot Ion:114 Resp: 485866

Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.6

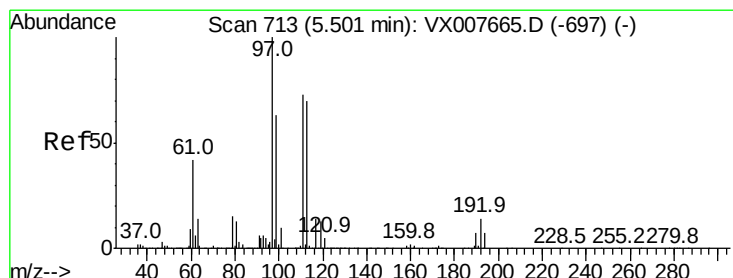
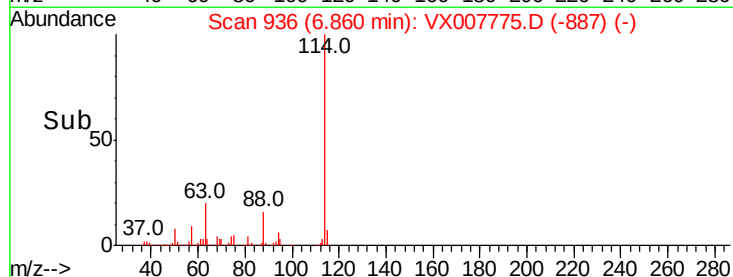
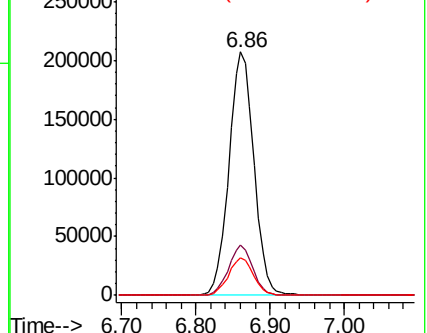
88 15.5 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 48.808 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

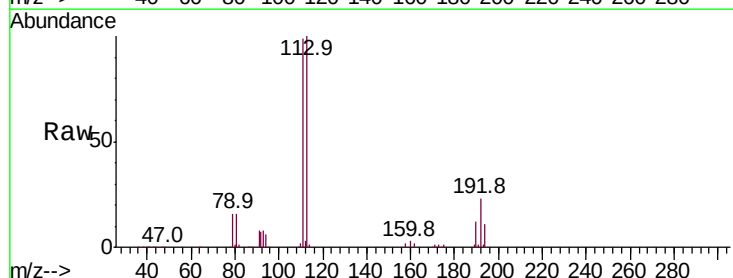
Tgt Ion:113 Resp: 158522

Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.8

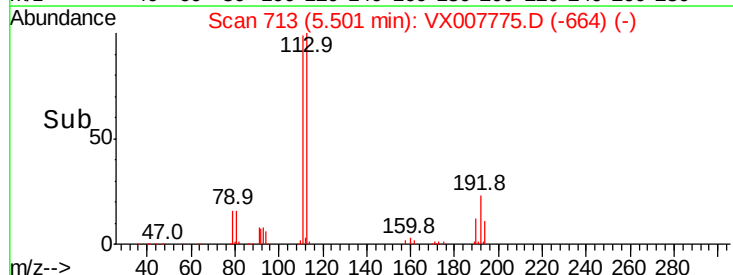
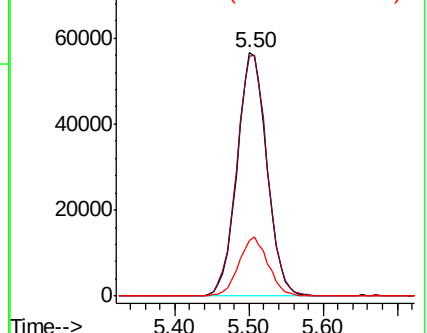
192 23.8 18.5 27.7

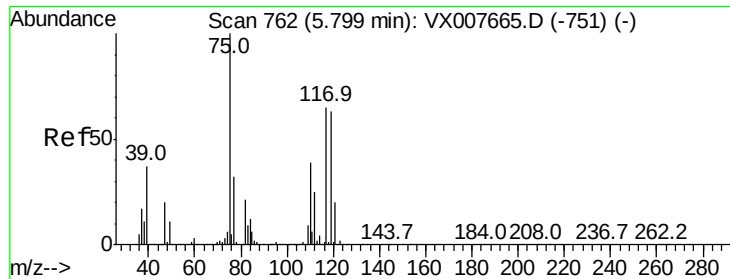


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.668 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

A0C1-TWP

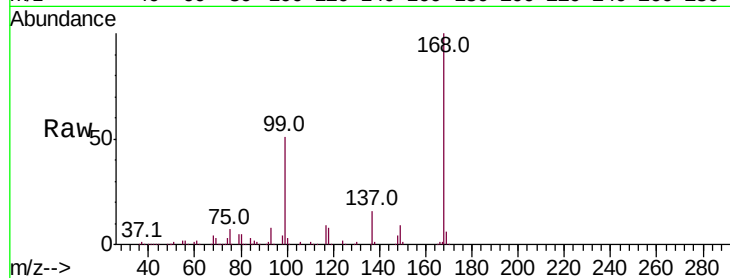
Tot Ion: 75 Resp: 20389

Ion Ratio Lower Upper

75 100

110 9.1 20.0 59.9#

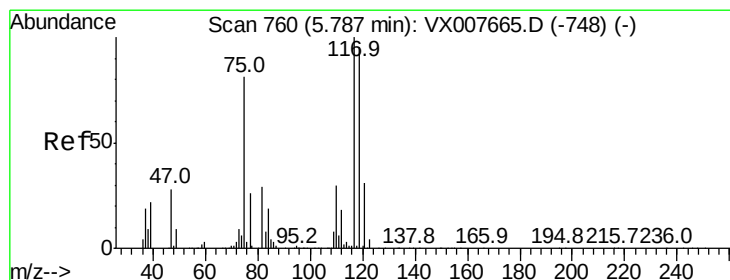
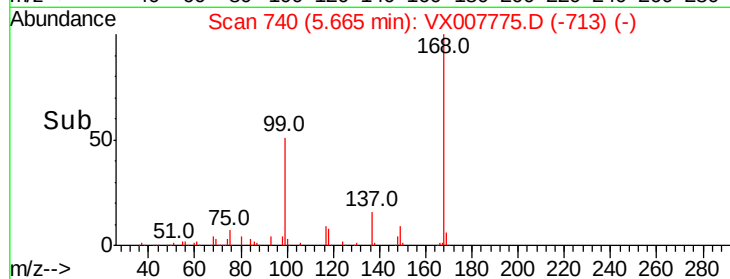
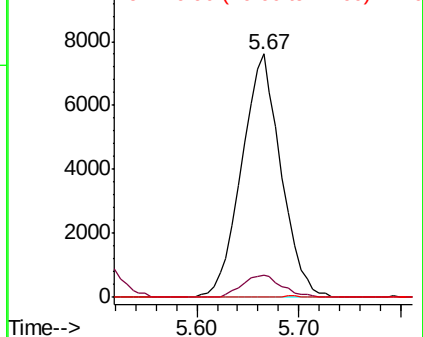
77 0.0 24.7 37.1#



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: 6.160 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

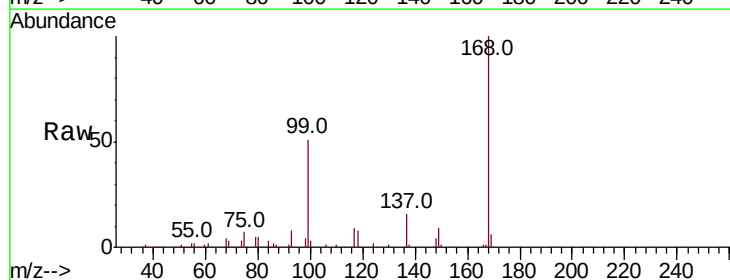
Tgt Ion: 117 Resp: 27029

Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

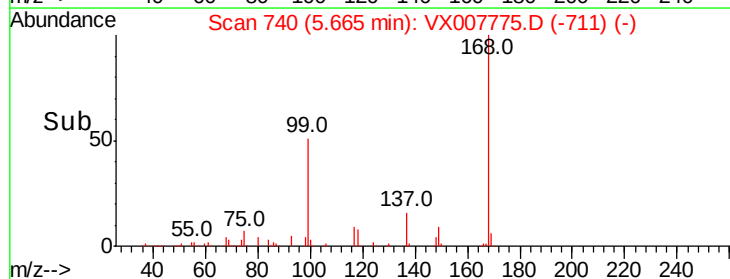
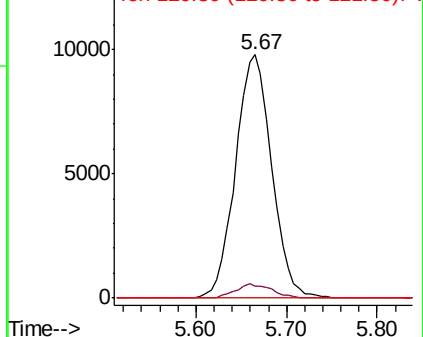
121 0.0 25.0 37.4#

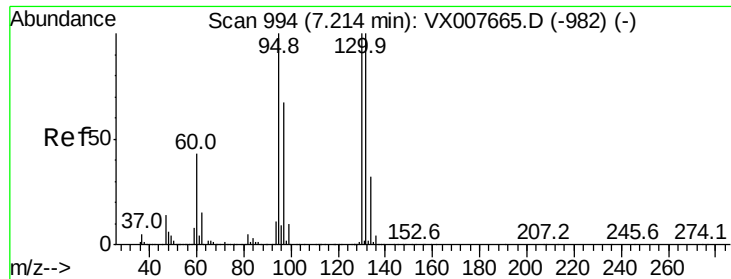


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.365 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

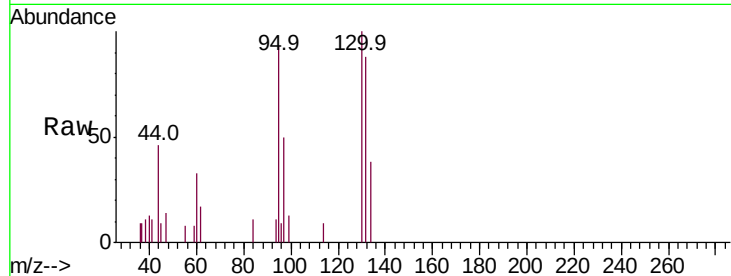
A0C1-TWP

Tot Ion:130 Resp: 1354

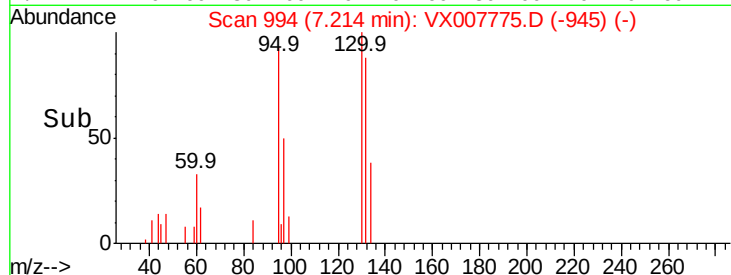
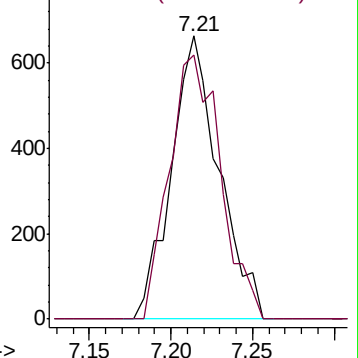
Ion Ratio Lower Upper

130 100

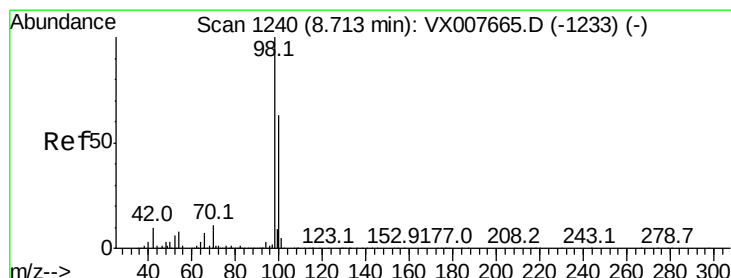
95 93.4 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V



Time-->



#50

Toluene-d8

Concen: 48.721 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007775.D

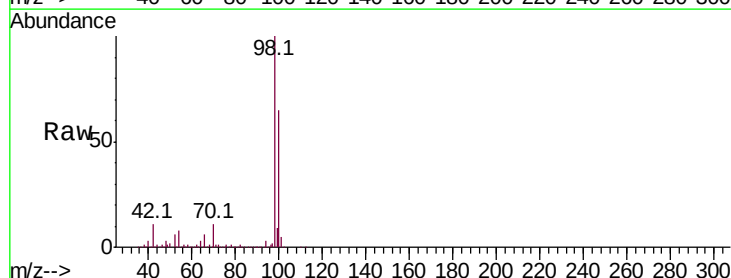
Acq: 28 Feb 2019 19:05

Tgt Ion: 98 Resp: 605796

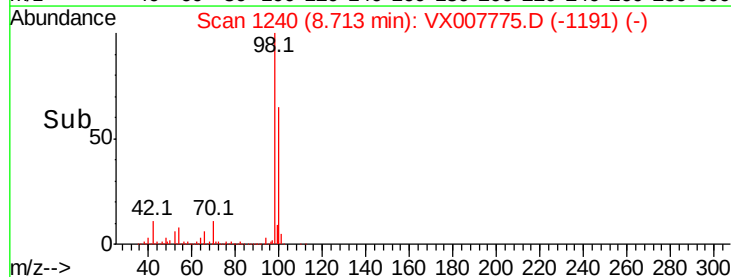
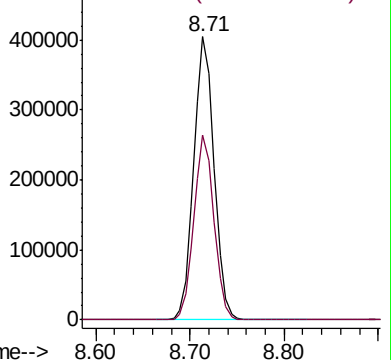
Ion Ratio Lower Upper

98 100

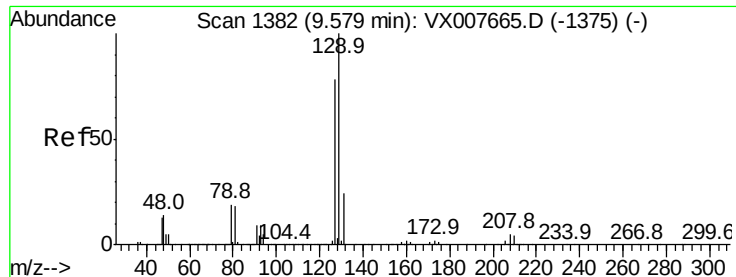
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0



Time-->



#60

Dibromochloromethane

Concen: 0.353 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampled :

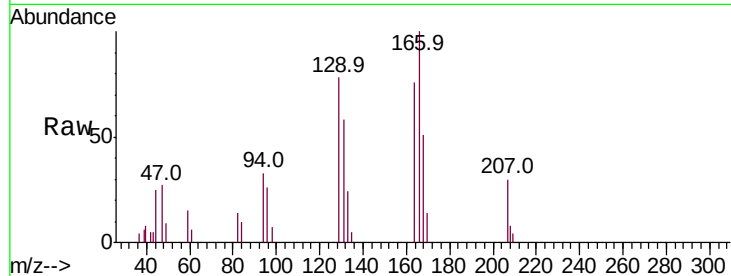
A0C1-TWP

Tot Ion:129 Resp: 1205

Ion Ratio Lower Upper

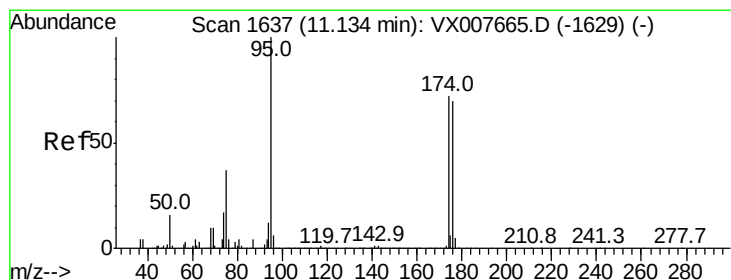
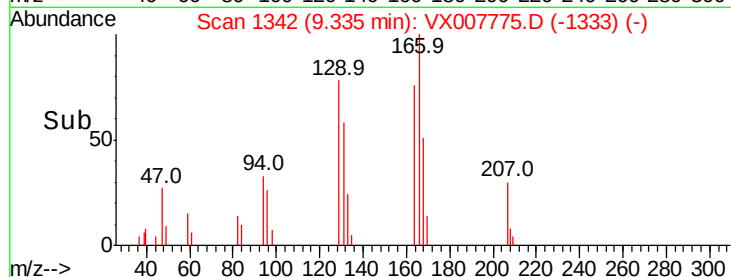
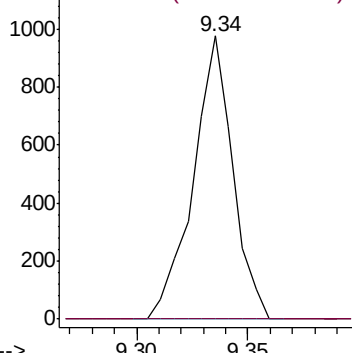
129 100

127 0.0 37.8 113.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.521 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

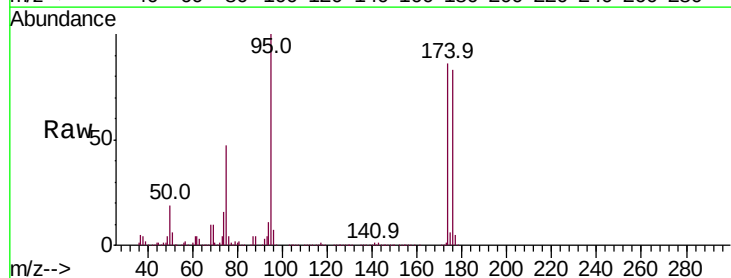
Tgt Ion: 95 Resp: 221436

Ion Ratio Lower Upper

95 100

174 92.3 0.0 189.2

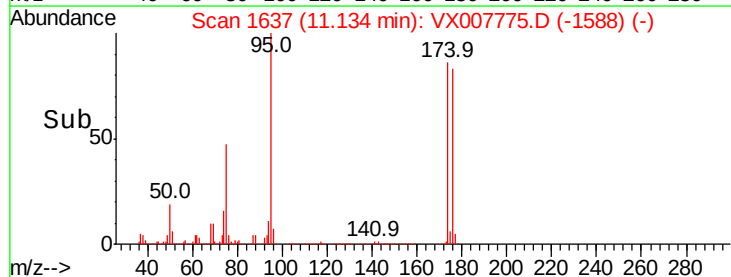
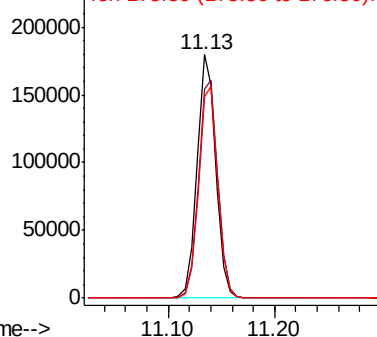
176 89.4 0.0 186.2

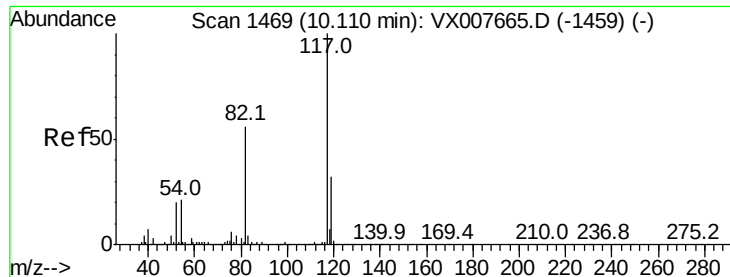


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

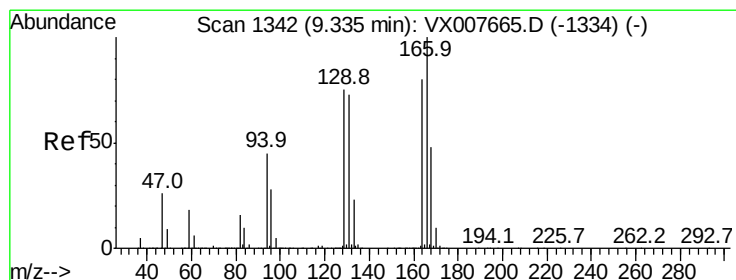
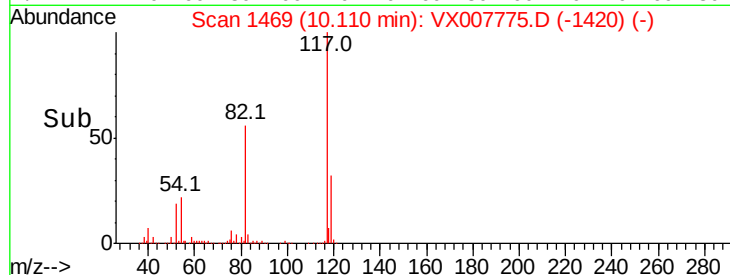
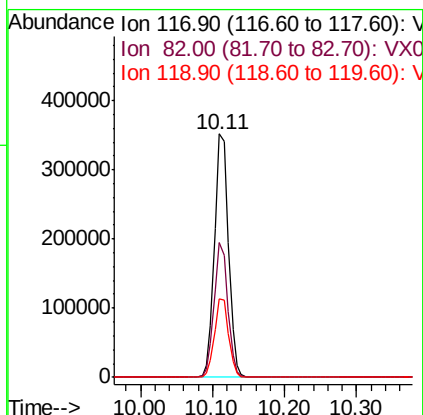
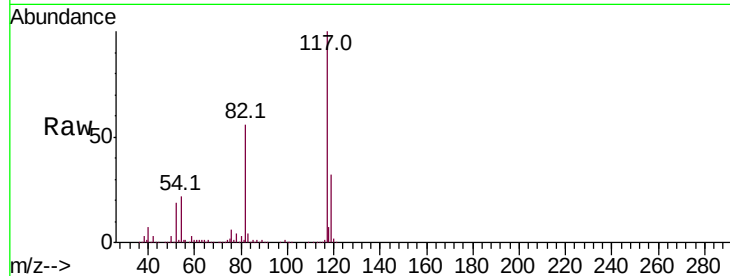




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007775.D
Acq: 28 Feb 2019 19:05

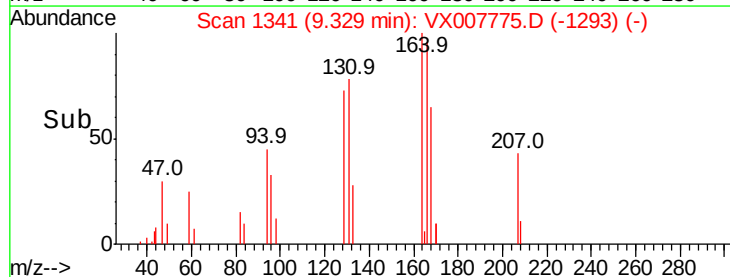
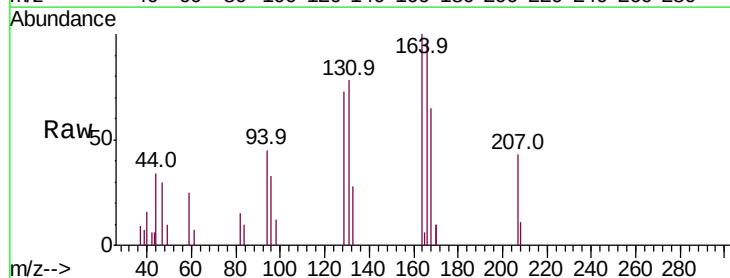
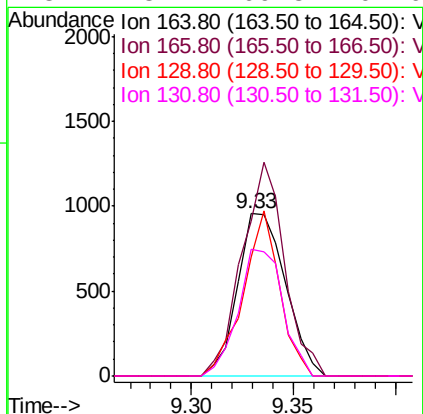
Instrument :
MSVOA_X
ClientSampleId :
A0C1-TWP

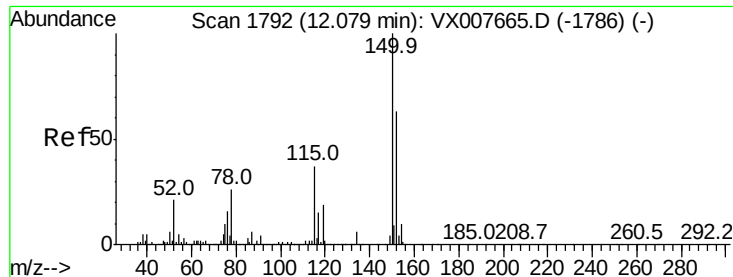
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.1	63.1
119	32.2	26.5	39.7



#64
Tetrachloroethene
Concen: 0.405 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007775.D
Acq: 28 Feb 2019 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	95.5	101.0	151.4#
129	72.9	70.5	105.7
131	78.4	69.8	104.6

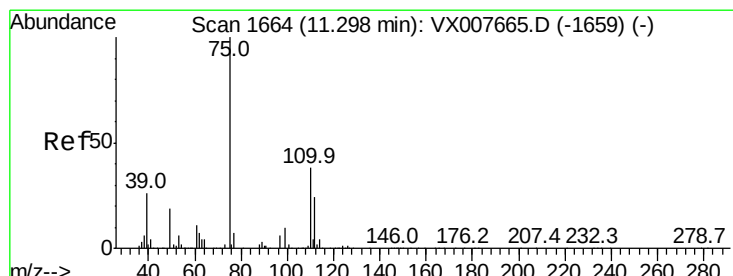
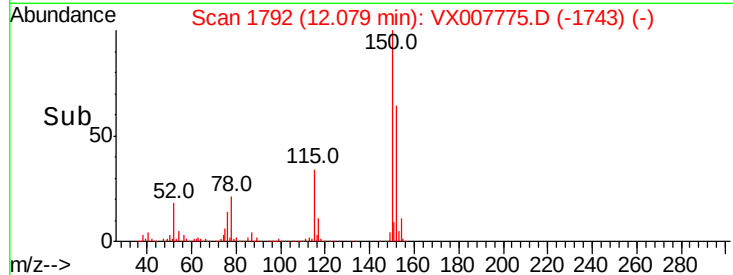
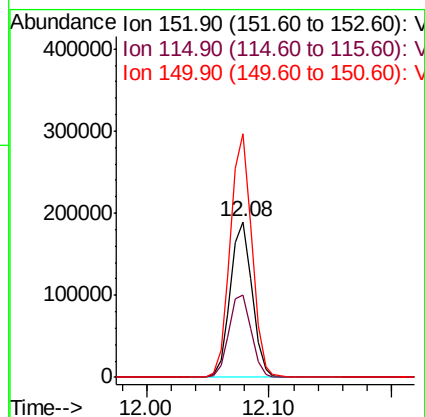
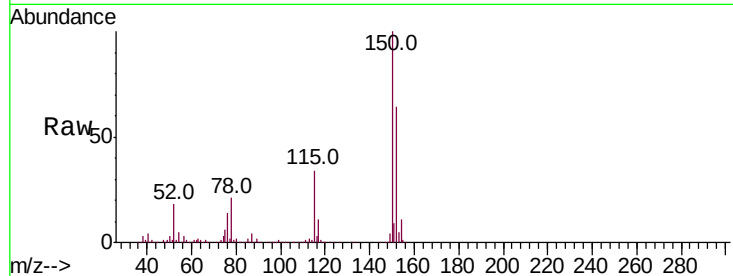




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007775.D
 Acq: 28 Feb 2019 19:05

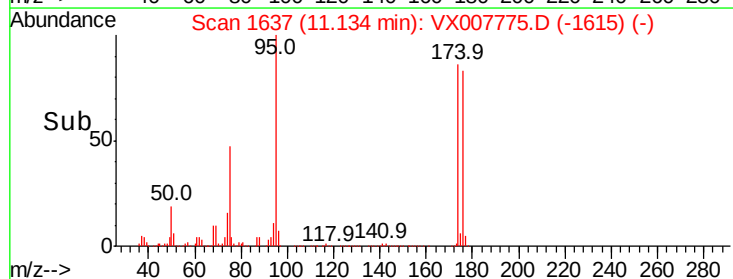
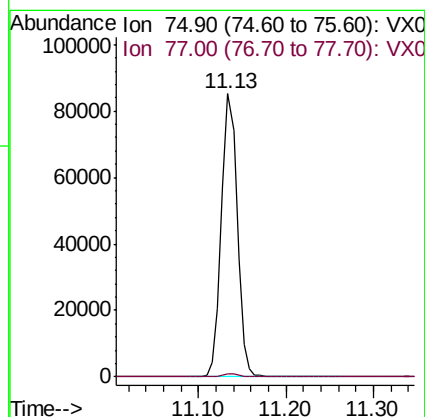
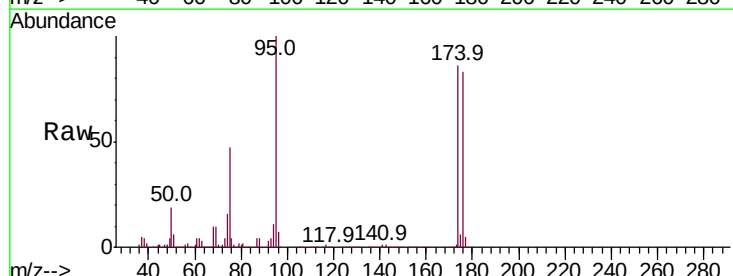
Instrument :
 MSVOA_X
 ClientSampleId :
 A0C1-TWP

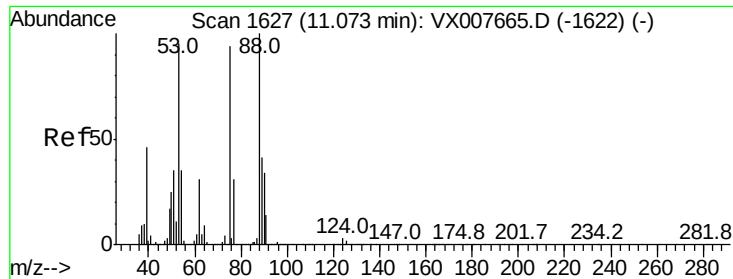
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.0	114.0
150	155.4	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 21.675 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007775.D
 Acq: 28 Feb 2019 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	23.0	69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.596 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007775.D

Acq: 28 Feb 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

A0C1-TWP

Tot Ion: 75 Resp: 106703

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

