

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007694.D
 Acq On : 26 Feb 2019 04:41
 Operator : JC/SP
 Sample : K1603-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T1-OZ(PRE)

Quant Time: Feb 26 05:33:21 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	350796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	591881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	559855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255120	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	209815	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	5.50	113	196923	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	717255	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.13	95	253853	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	

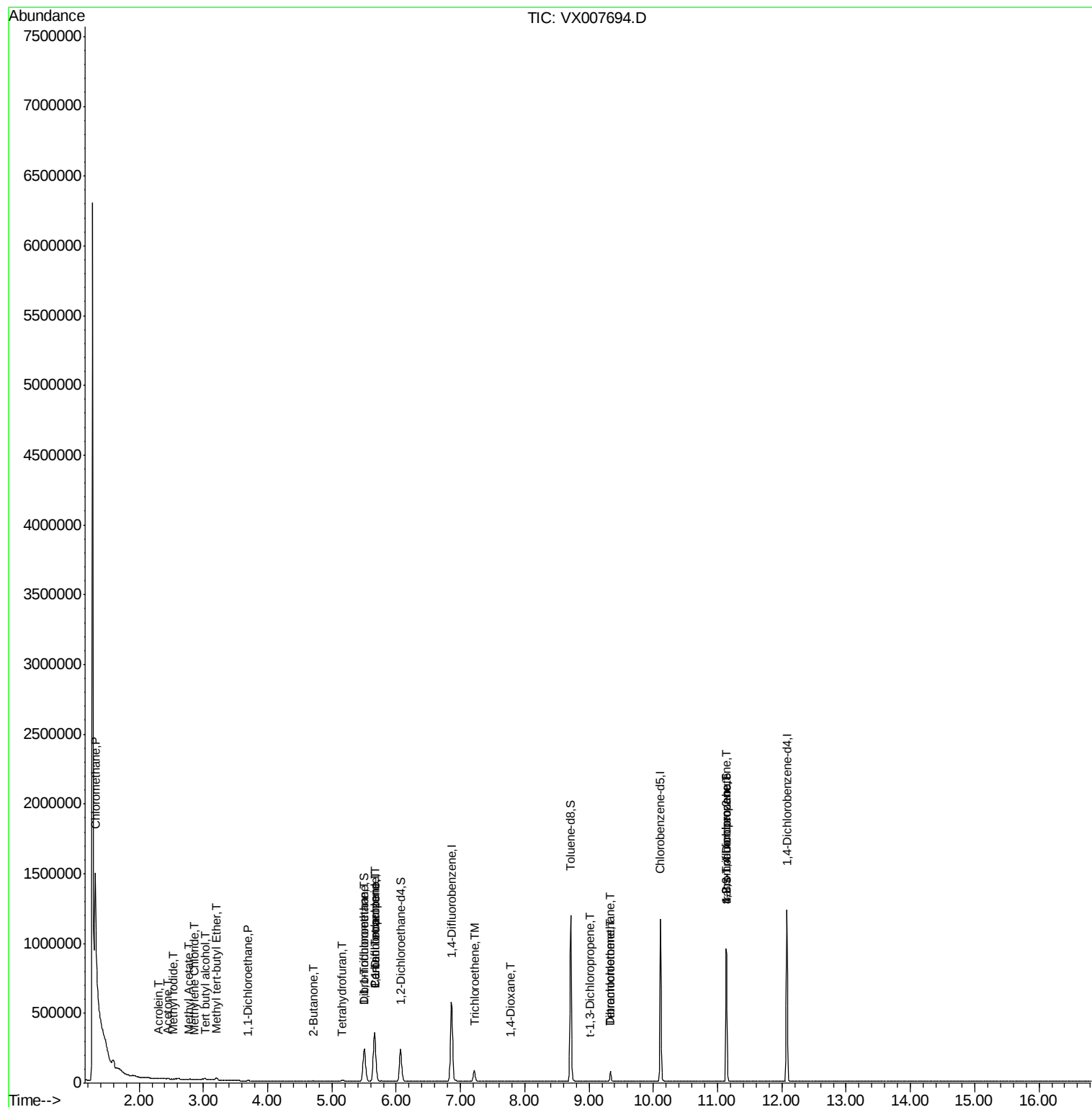
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	44191	12.340	ug/l #	45
5) Bromomethane	1.65	94	1692	Below Cal	#	55
10) Methyl Iodide	2.53	142	1801	0.425	ug/l #	68
11) Tert butyl alcohol	3.03	59	5304	6.433	ug/l #	93
13) Acrolein	2.29	56	172	0.235	ug/l #	1
16) Acetone	2.45	43	5419	2.804	ug/l	98
18) Methyl Acetate	2.78	43	1425	0.338	ug/l #	4
19) Methyl tert-butyl Ether	3.21	73	15812	1.480	ug/l #	88
20) Methylene Chloride	2.86	84	1109	0.311	ug/l #	60
24) 1,1-Dichloroethane	3.70	63	8807	1.372	ug/l	97
25) 2-Butanone	4.71	43	7672	2.606	ug/l #	80
29) Tetrahydrofuran	5.16	42	8597	4.431	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	3258	0.573	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	24561	4.616	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32197	6.024	ug/l #	15
44) Trichloroethene	7.21	130	31365	6.941	ug/l	97
49) 1,4-Dioxane	7.77	88	98	0.951	ug/l #	1
53) t-1,3-Dichloropropene	9.02	75	147	2.824	ug/l #	1
60) Dibromochloromethane	9.34	129	14139	3.402	ug/l #	12
64) Tetrachloroethene	9.34	164	14866	3.271	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	120223	22.108	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	120223	58.687	ug/l #	9

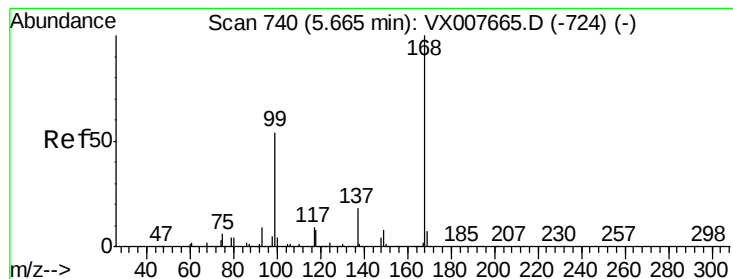
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022519\
Data File : VX007694.D
Acq On : 26 Feb 2019 04:41
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Sample : K1603-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Feb 26 05:33:21 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: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

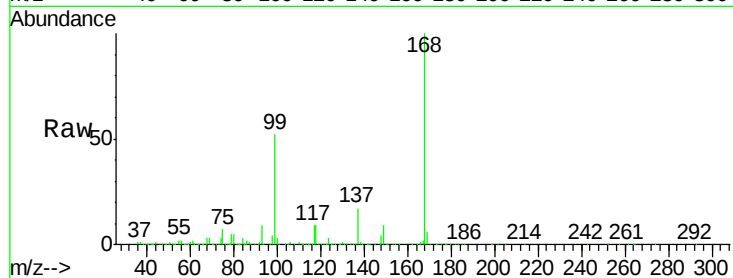
M1-T1-OZ(PRE)

Tot Ion:168 Resp: 350796

Ion Ratio Lower Upper

168 100

99 52.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

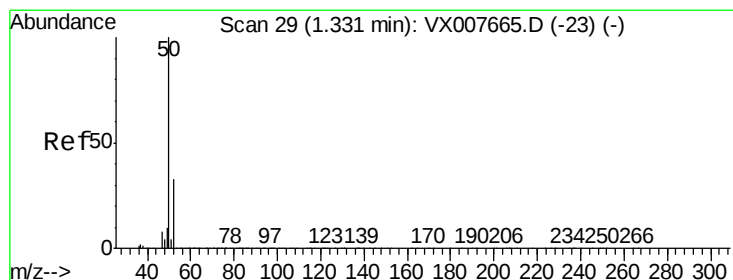
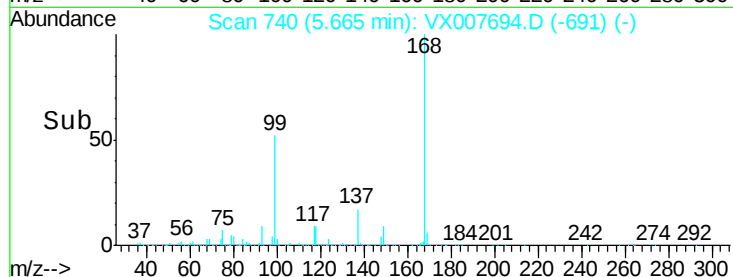
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 12.340 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.02 min

Lab File: VX007694.D

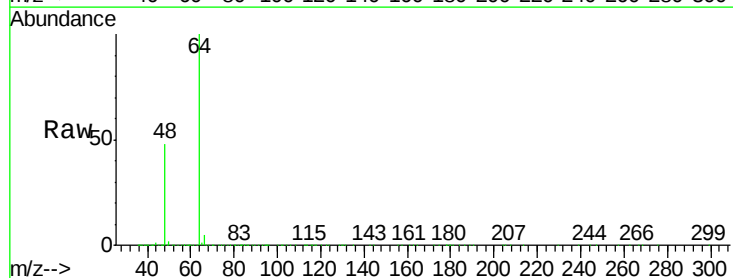
Acq: 26 Feb 2019 04:41

Tgt Ion: 50 Resp: 44191

Ion Ratio Lower Upper

50 100

52 1.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

100000

80000

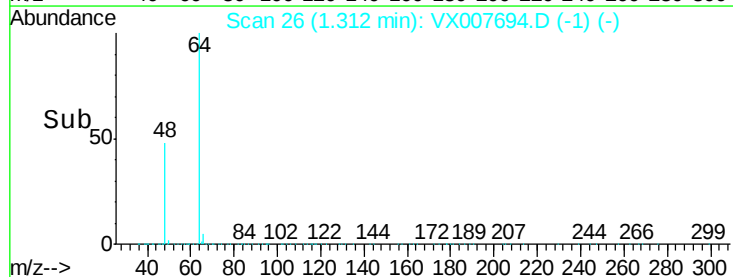
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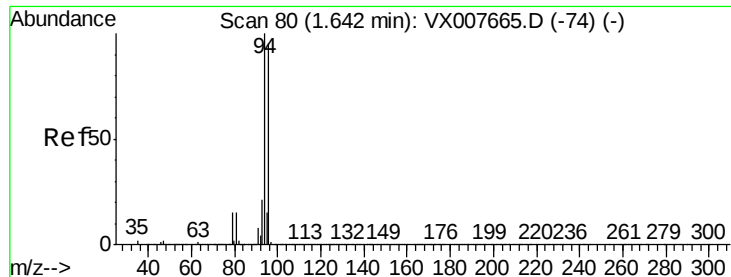
40000

20000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

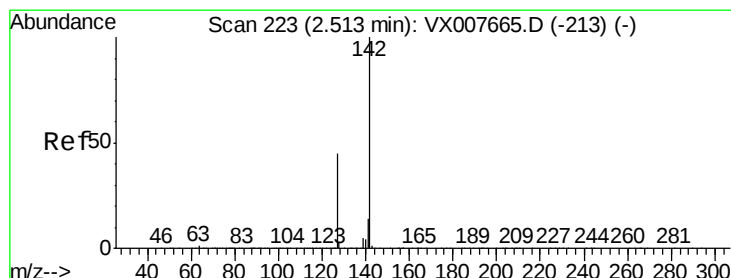
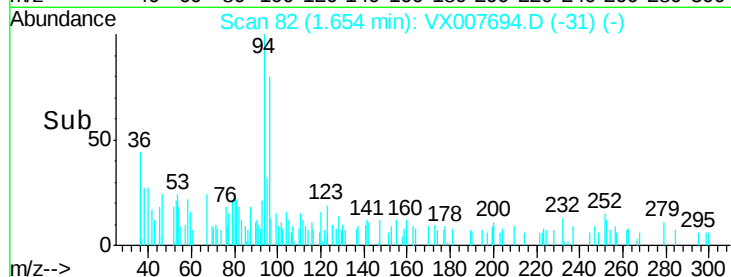
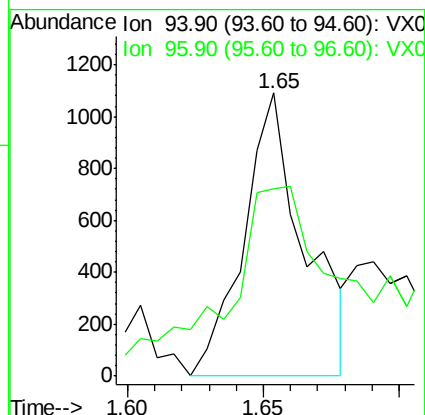
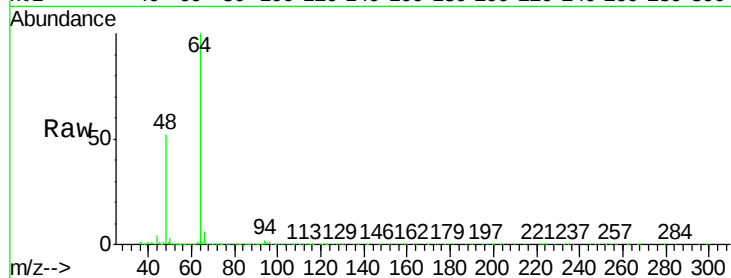
M1-T1-OZ(PRE)

Tot Ion: 94 Resp: 1692

Ion Ratio Lower Upper

94 100

96 49.7 73.9 110.9#



#10

Methyl Iodide

Concen: 0.425 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

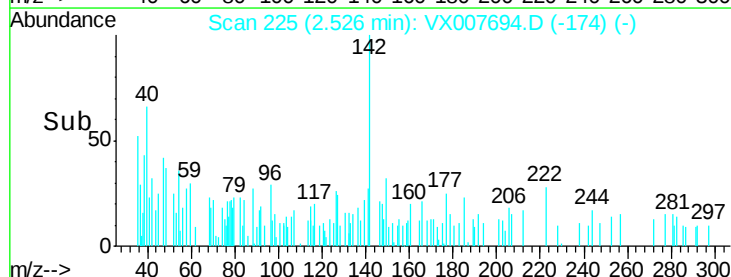
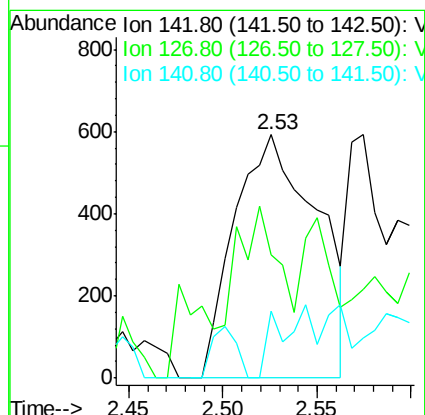
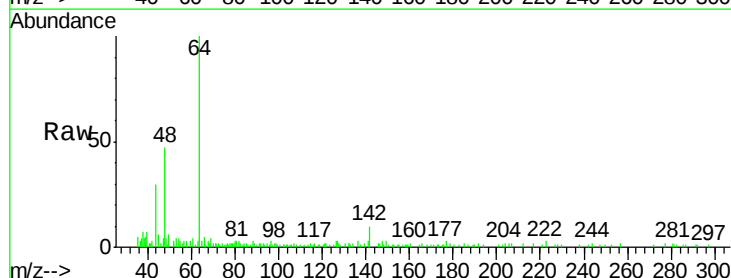
Tgt Ion: 142 Resp: 1801

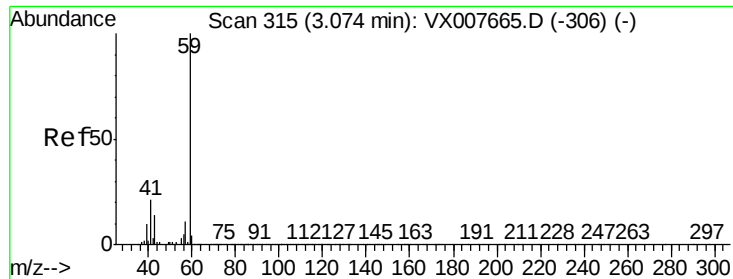
Ion Ratio Lower Upper

142 100

127 22.6 33.7 50.5#

141 0.0 11.3 16.9#

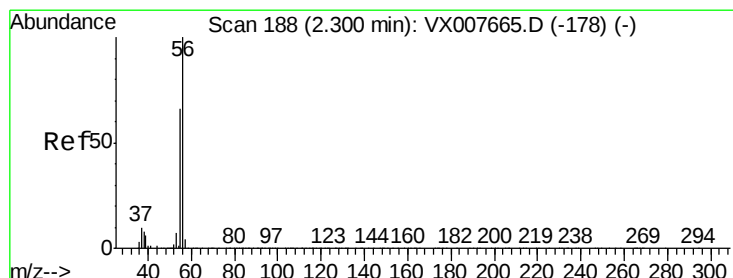
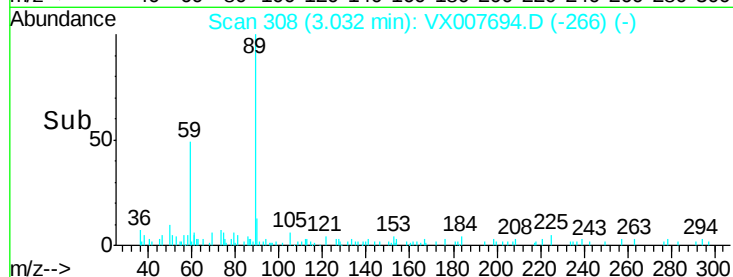
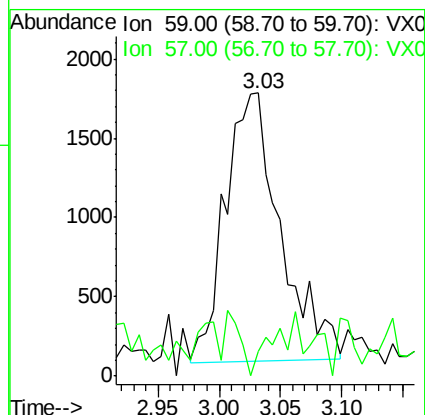
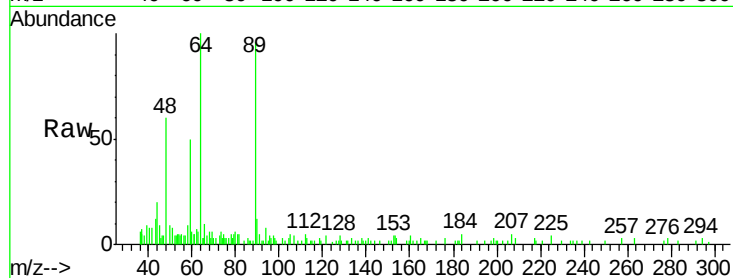




#11
Tert butyl alcohol
Concen: 6.433 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX007694.D
Acq: 26 Feb 2019 04:41

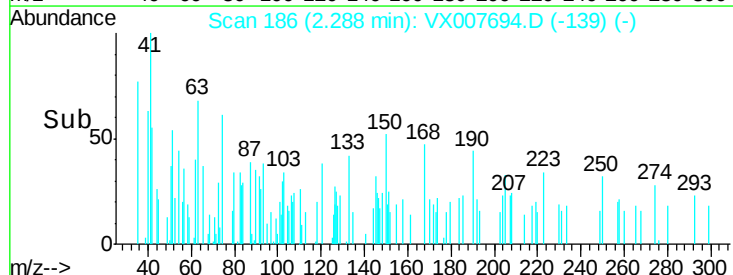
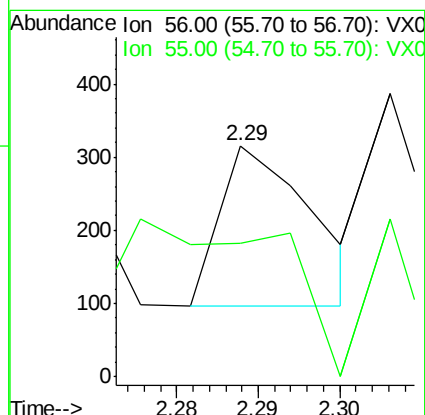
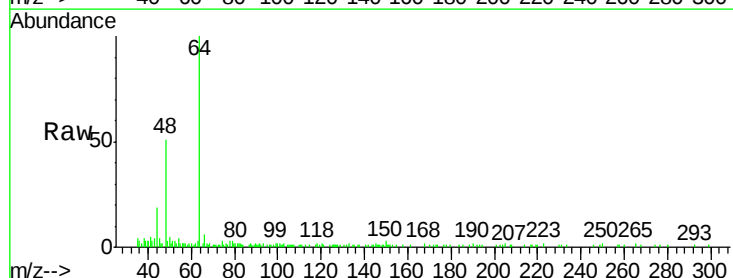
Instrument :
MSVOA_X
ClientSampleId :
M1-T1-OZ(PRE)

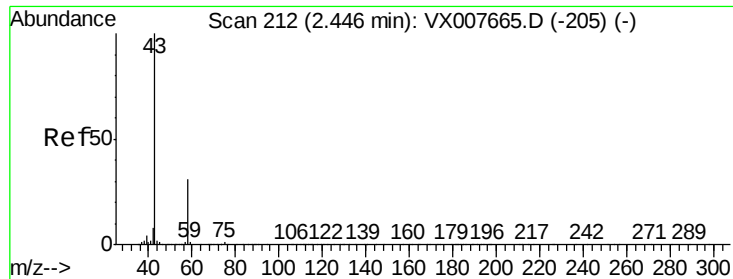
Tot Ion: 59 Resp: 5304
Ion Ratio Lower Upper
59 100
57 7.3 8.1 12.1#



#13
Acrolein
Concen: 0.235 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007694.D
Acq: 26 Feb 2019 04:41

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 195.9 56.9 85.3#





#16

Acetone

Concen: 2.804 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

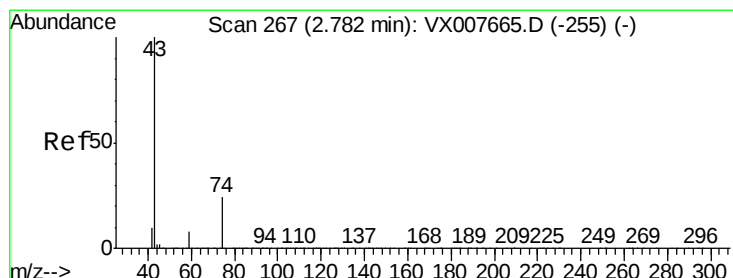
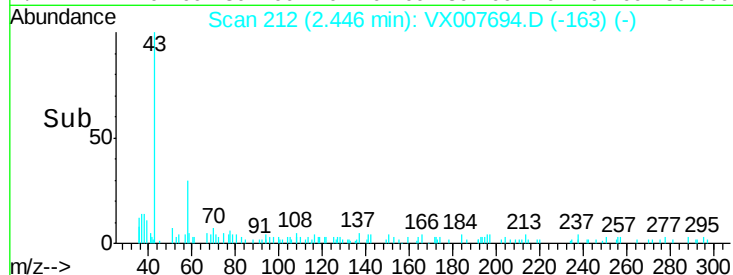
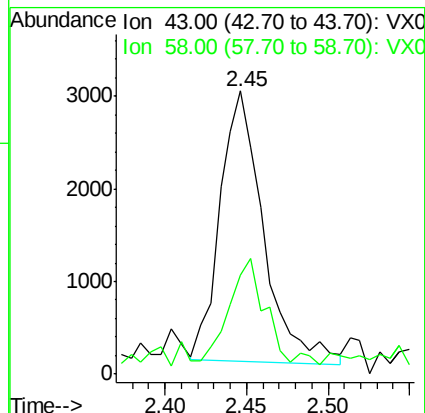
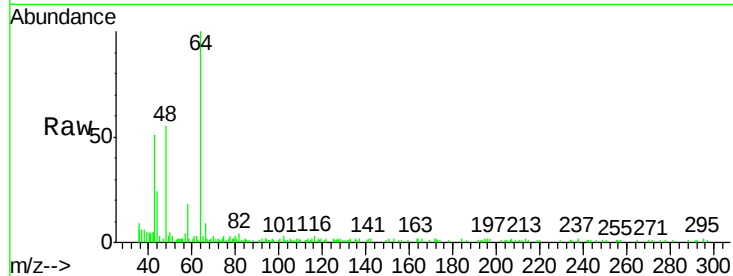
M1-T1-OZ(PRE)

Tot Ion: 43 Resp: 5419

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3



#18

Methyl Acetate

Concen: 0.338 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007694.D

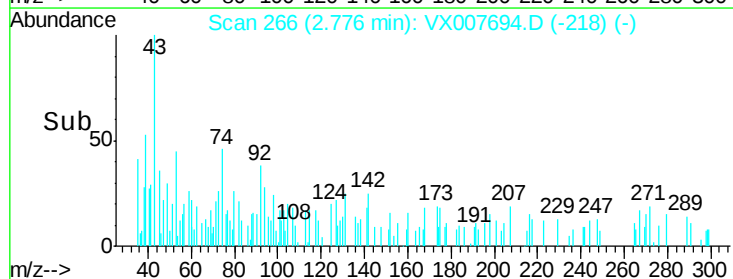
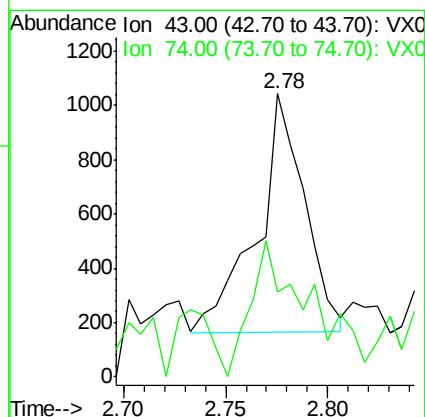
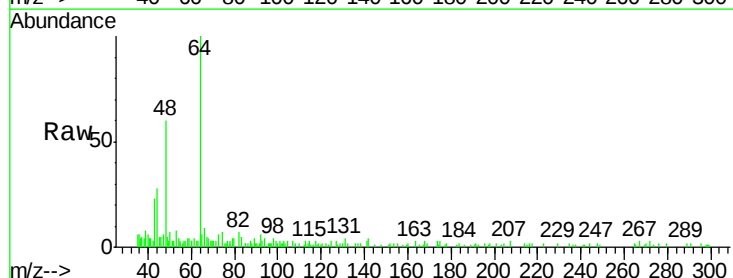
Acq: 26 Feb 2019 04:41

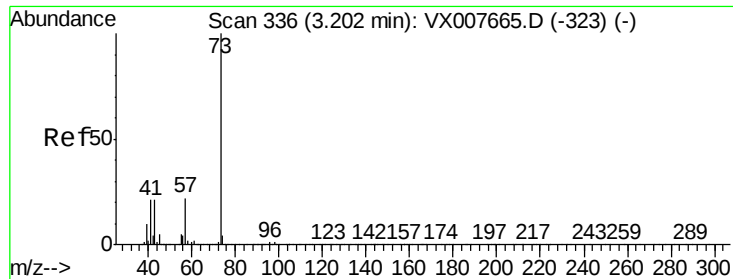
Tgt Ion: 43 Resp: 1425

Ion Ratio Lower Upper

43 100

74 71.7 19.4 29.2#



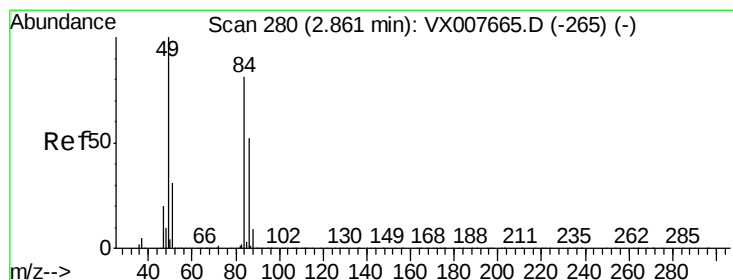
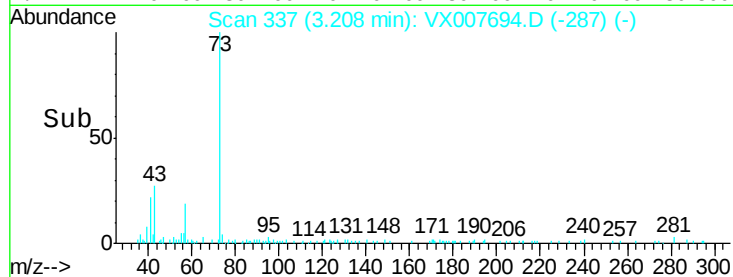
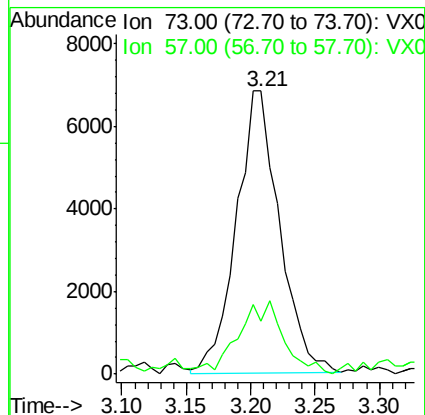
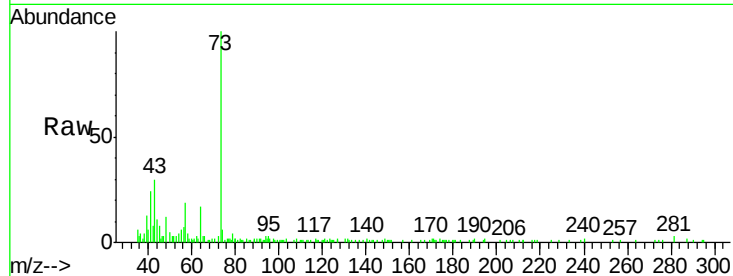


#19

Methyl tert-butyl Ether
 Concen: 1.480 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007694.D
 Acq: 26 Feb 2019 04:41

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T1-OZ(PRE)

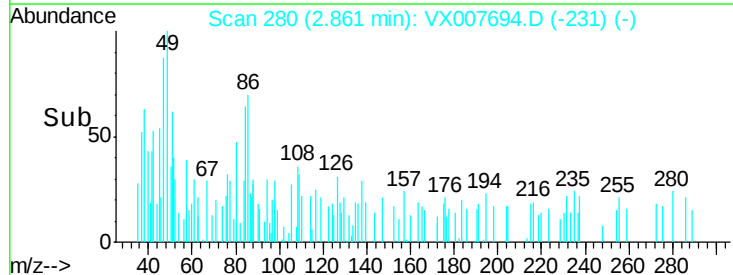
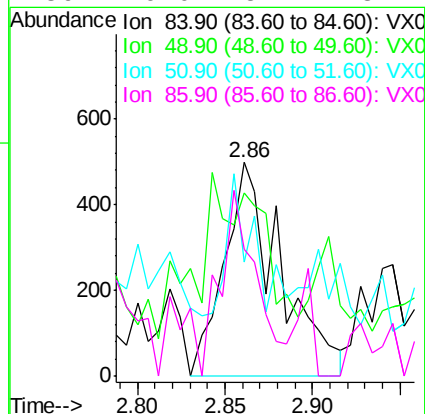
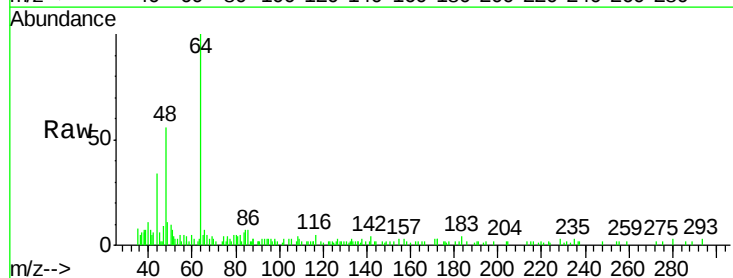
Tot Ion: 73 Resp: 15812
 Ion Ratio Lower Upper
 73 100
 57 16.8 17.8 26.8#

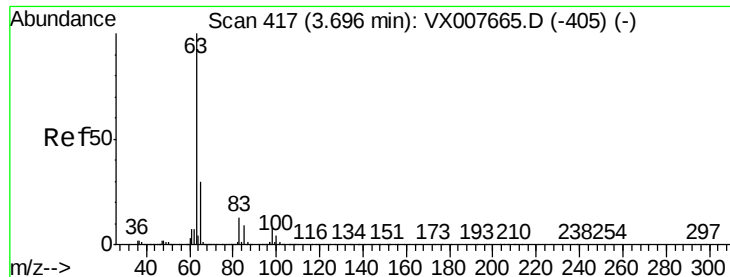


#20

Methylene Chloride
 Concen: 0.311 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007694.D
 Acq: 26 Feb 2019 04:41

Tgt Ion: 84 Resp: 1109
 Ion Ratio Lower Upper
 84 100
 49 52.7 94.8 142.2#
 51 21.4 29.8 44.8#
 86 79.0 54.1 81.1





#24

1,1-Dichloroethane

Concen: 1.372 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

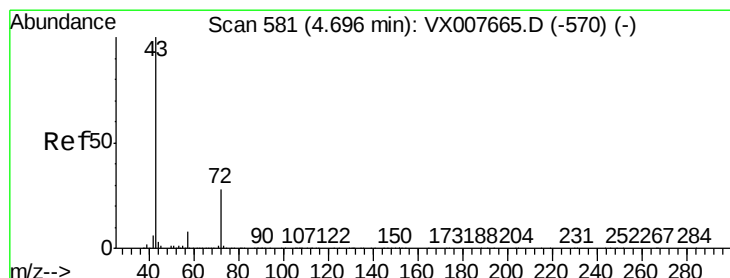
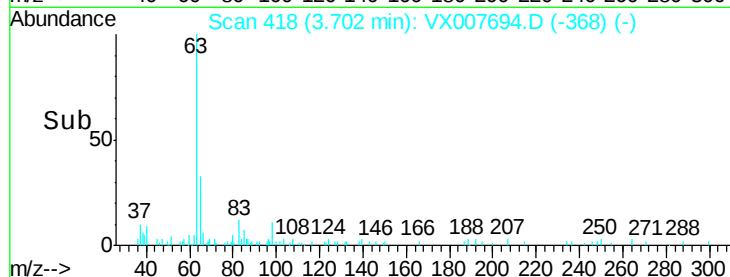
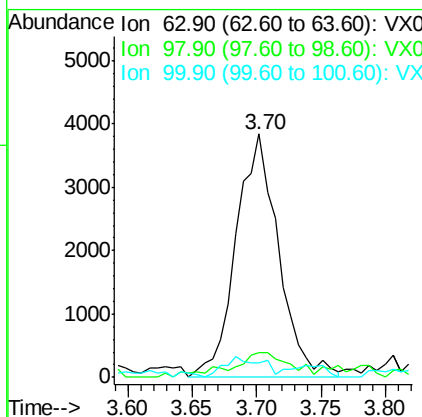
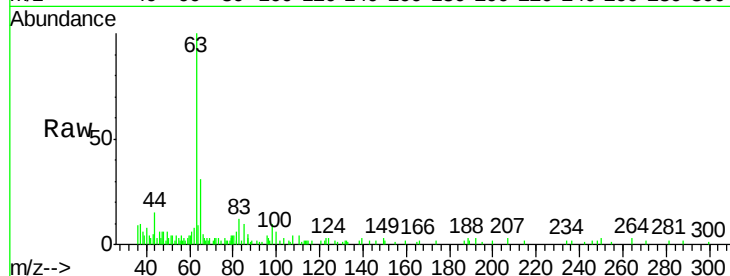
Instrument :

MSVOA_X

ClientSampleId :

M1-T1-OZ(PRE)

Tot Ion:	63	Resp:	8807
Ion	Ratio	Lower	Upper
63	100		
98	8.6	3.6	10.8
100	5.7	2.5	7.4



#25

2-Butanone

Concen: 2.606 ug/l

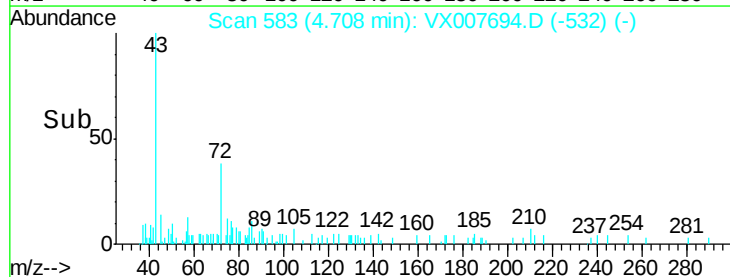
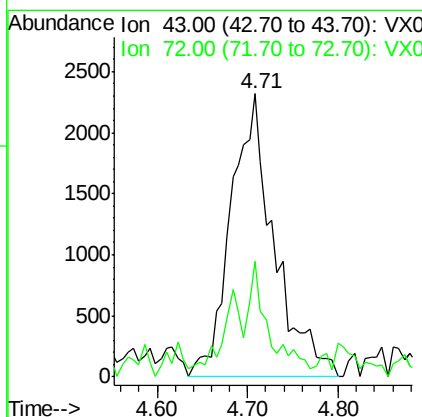
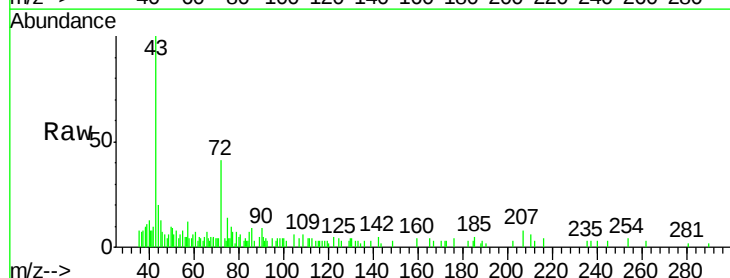
RT: 4.71 min Scan# 583

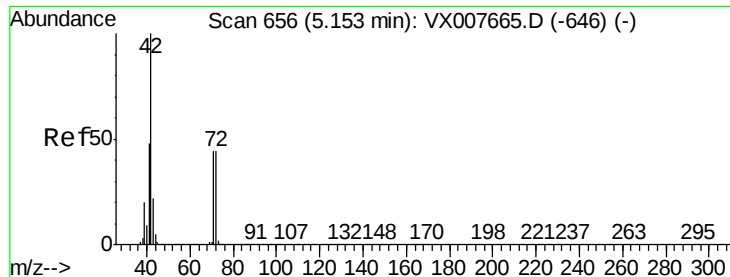
Delta R.T. 0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Tgt Ion:	43	Resp:	7672
Ion	Ratio	Lower	Upper
43	100		
72	37.9	22.2	33.2#





#29

Tetrahydrofuran

Concen: 4.431 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

M1-T1-OZ(PRE)

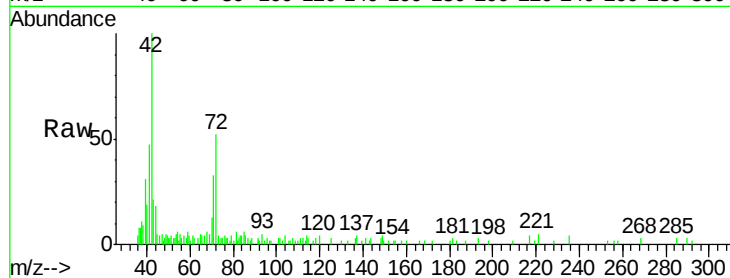
Tot Ion: 42 Resp: 8597

Ion Ratio Lower Upper

42 100

72 51.1 37.6 56.4

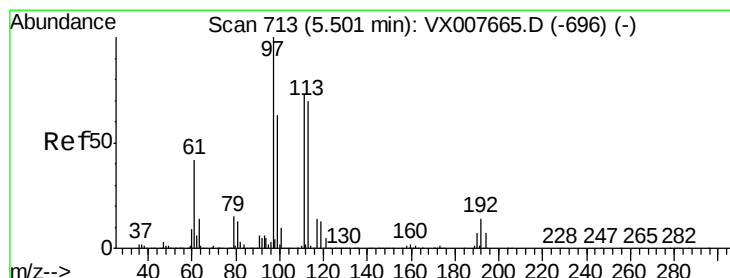
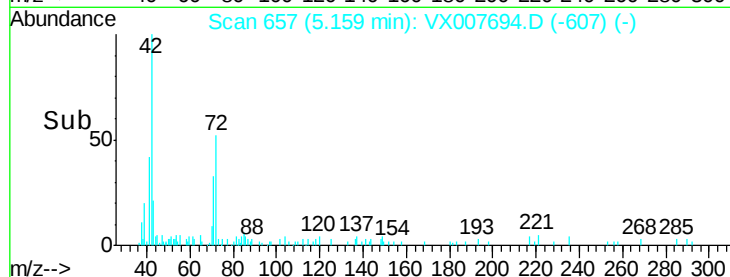
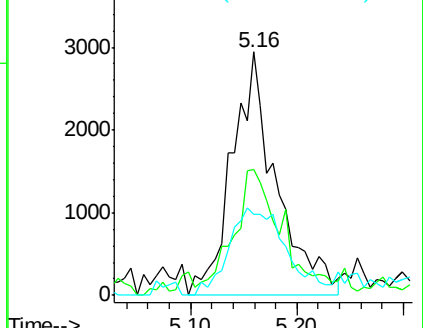
71 46.0 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.573 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

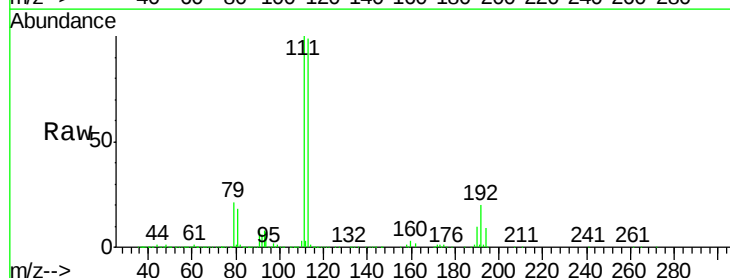
Tgt Ion: 97 Resp: 3258

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

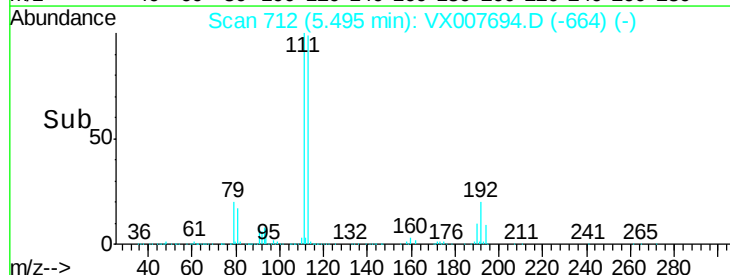
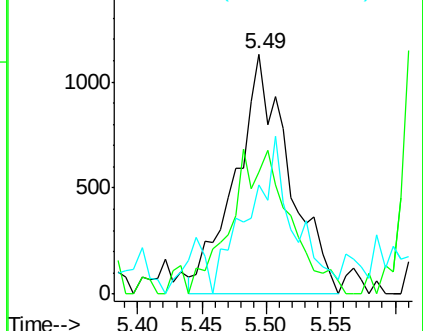
61 56.0 32.7 49.1#

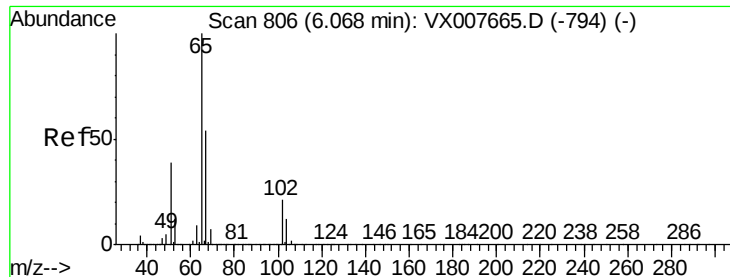


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.286 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

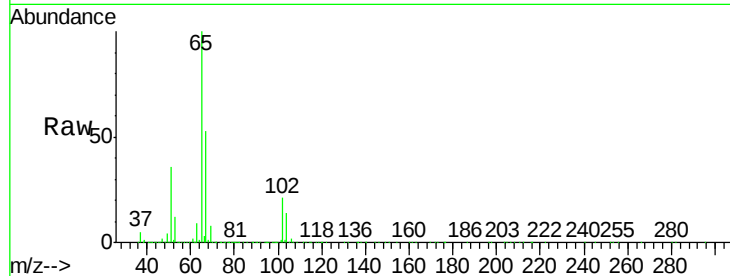
M1-T1-OZ(PRE)

Tot Ion: 65 Resp: 209815

Ion Ratio Lower Upper

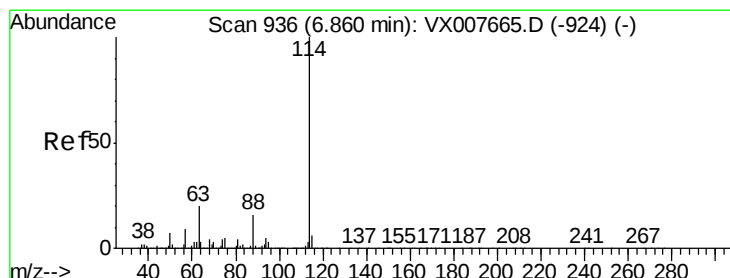
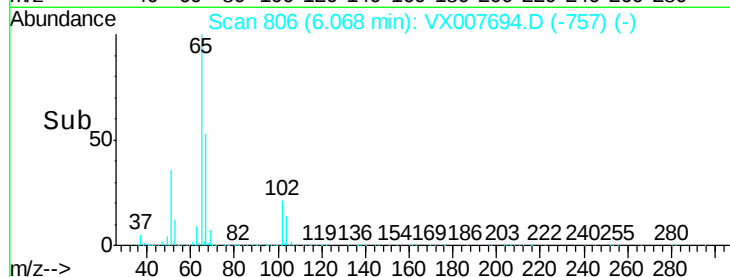
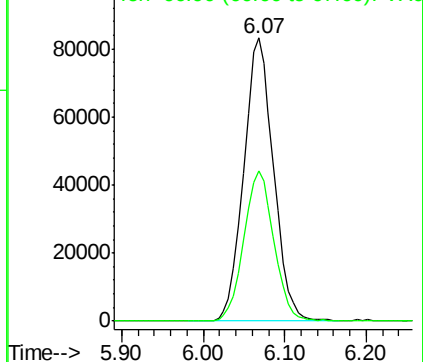
65 100

67 53.6 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

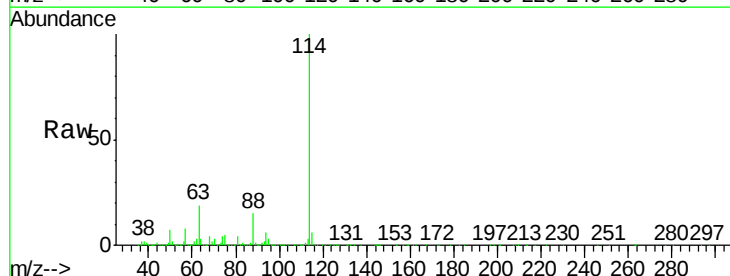
Tgt Ion: 114 Resp: 591881

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

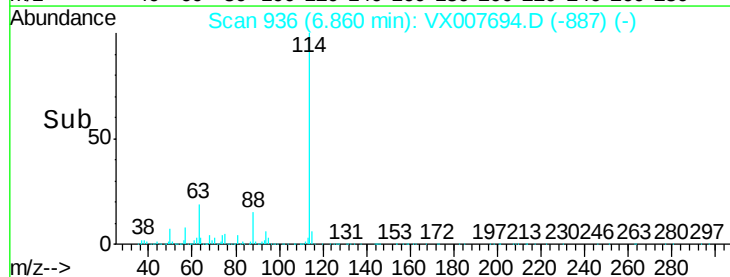
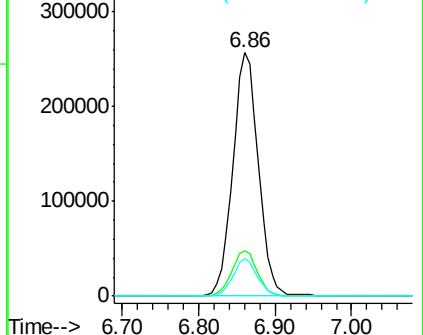
88 15.1 0.0 29.6

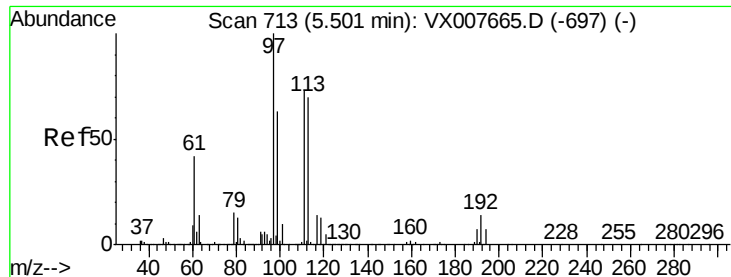


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

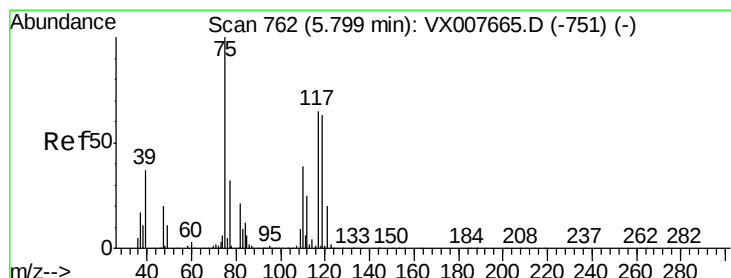
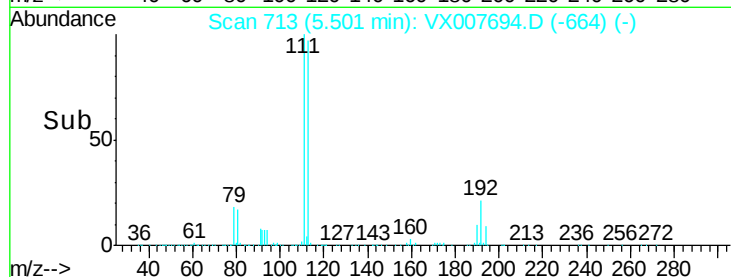
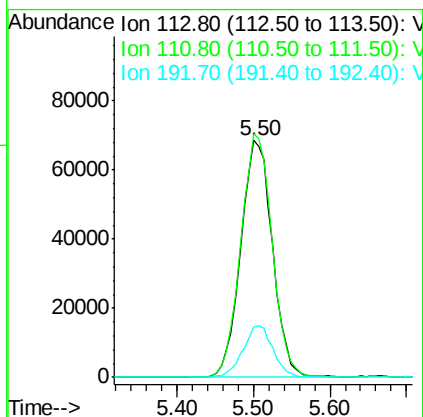
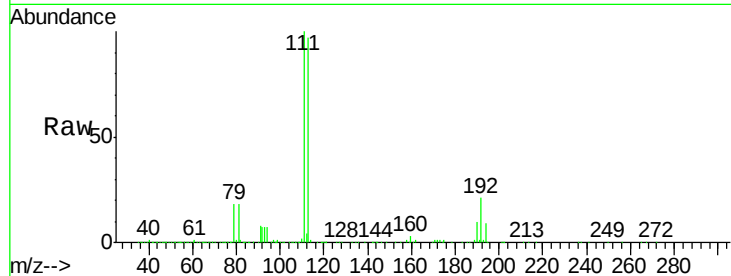




#35
 Dibromofluoromethane
 Concen: 49.772 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007694.D
 Acq: 26 Feb 2019 04:41

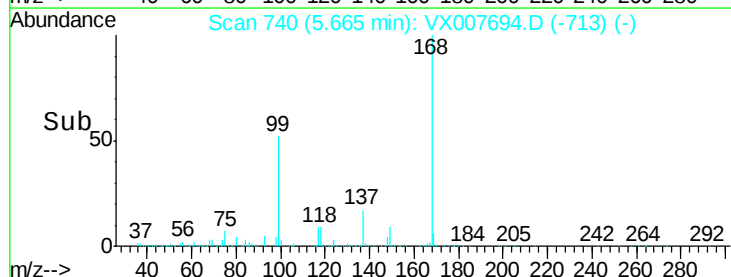
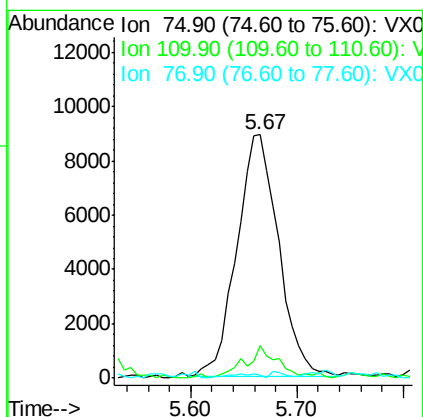
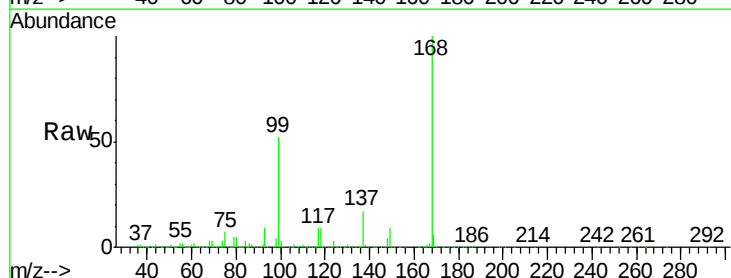
Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T1-OZ(PRE)

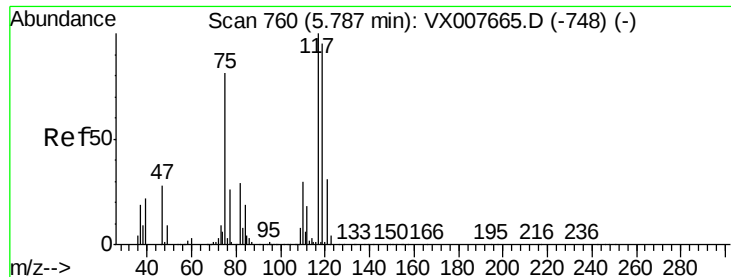
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.7	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007694.D
 Acq: 26 Feb 2019 04:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	20.0	59.9#
77	1.3	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.024 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

M1-T1-OZ(PRE)

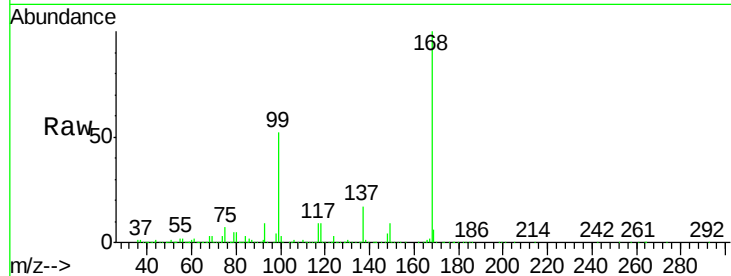
Tot Ion:117 Resp: 32197

Ion Ratio Lower Upper

117 100

119 2.9 75.3 112.9#

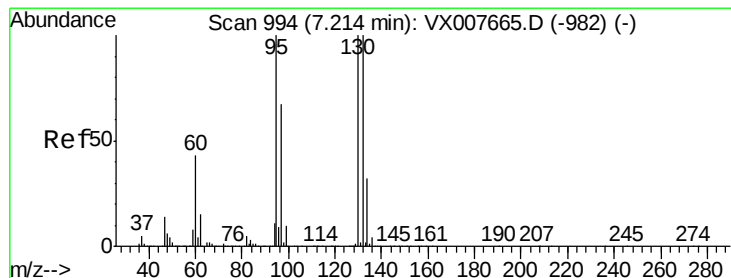
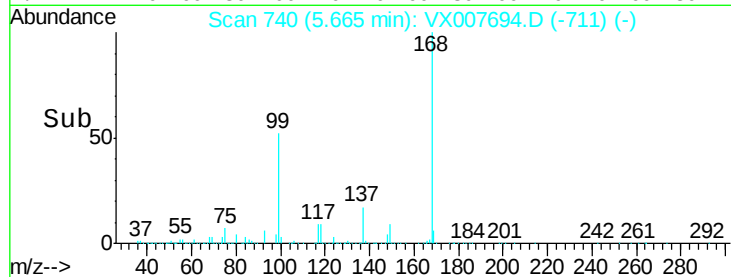
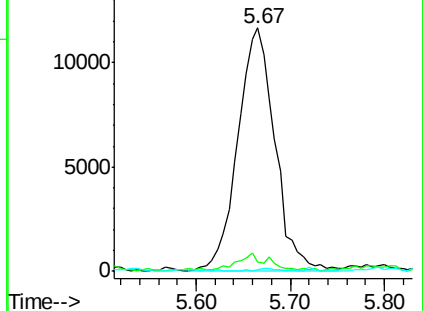
121 0.6 25.0 37.4#



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: 6.941 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007694.D

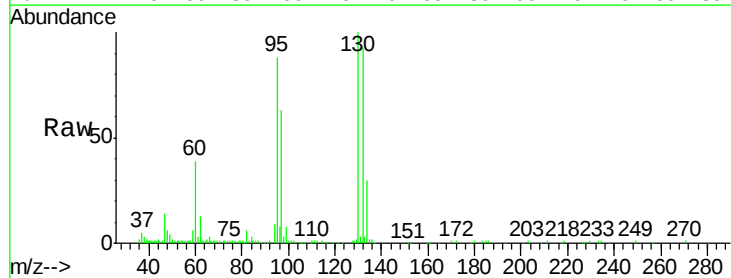
Acq: 26 Feb 2019 04:41

Tgt Ion:130 Resp: 31365

Ion Ratio Lower Upper

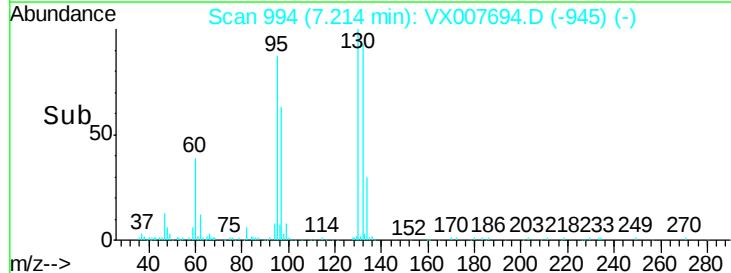
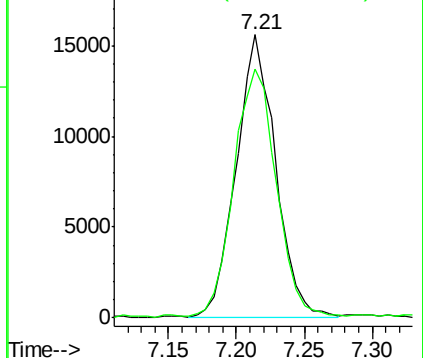
130 100

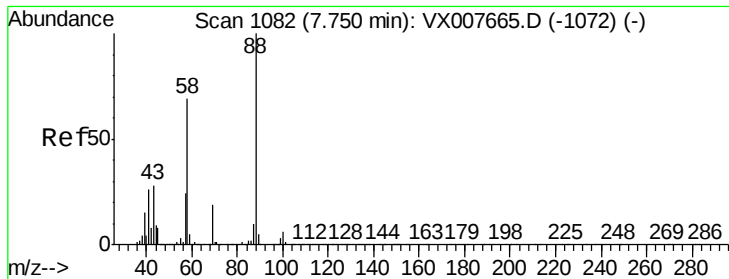
95 87.5 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

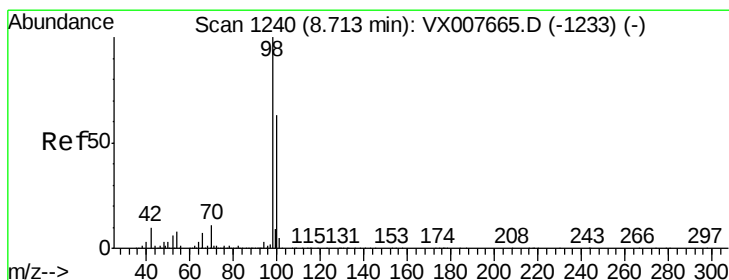
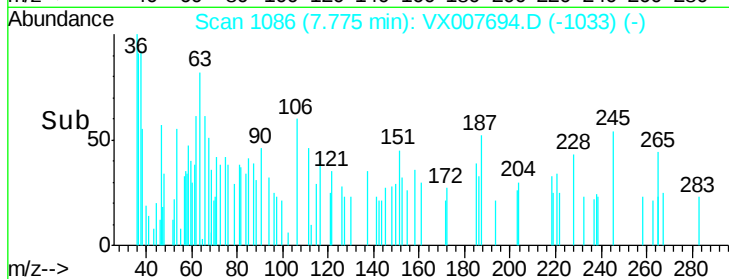
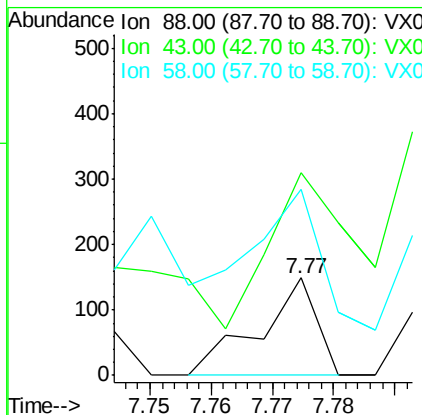
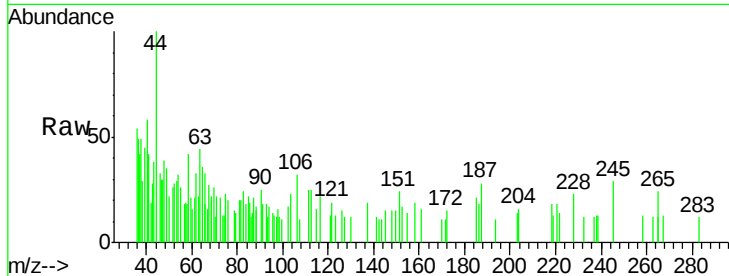




#49
1,4-Dioxane
Concen: 0.951 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.02 min
Lab File: VX007694.D
Acq: 26 Feb 2019 04:41

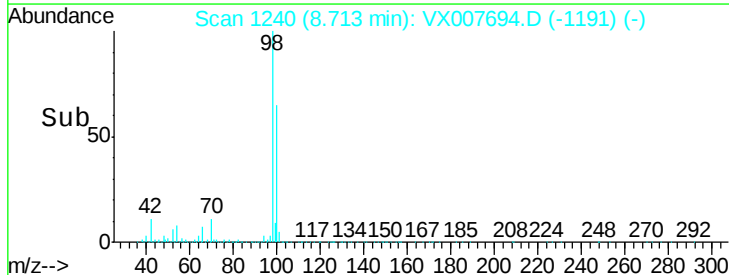
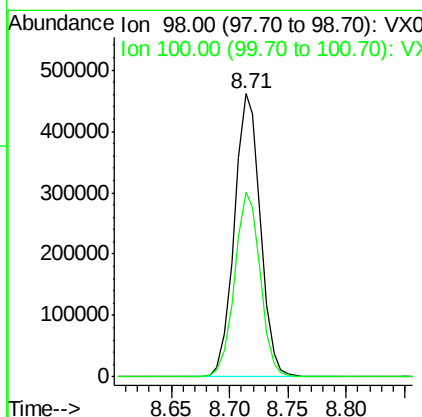
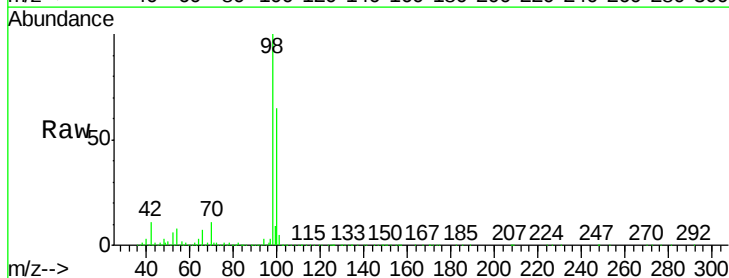
Instrument :
MSVOA_X
ClientSampleId :
M1-T1-OZ(PRE)

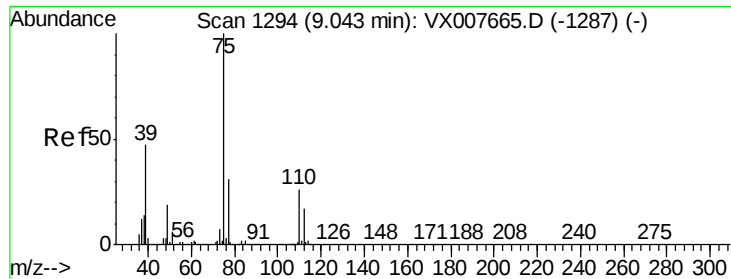
Tot Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
43 227.6 24.2 36.4#
58 179.6 53.0 79.4#



#50
Toluene-d8
Concen: 47.353 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007694.D
Acq: 26 Feb 2019 04:41

Tgt Ion: 98 Resp: 717255
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

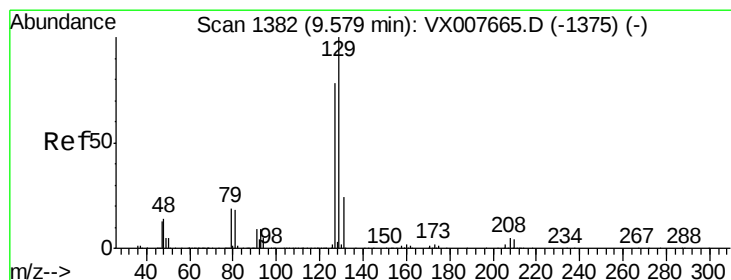
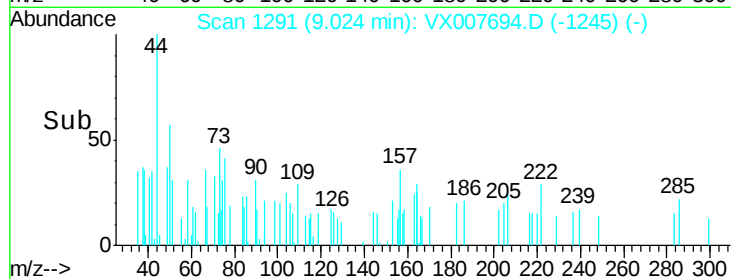
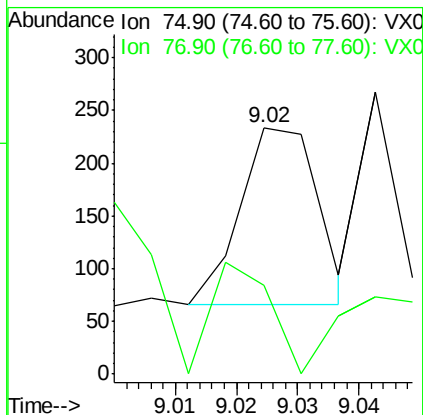
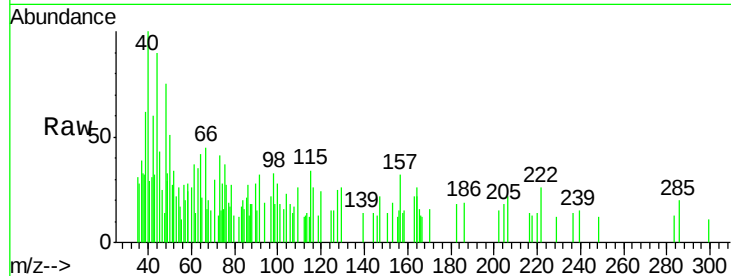




#53
t-1,3-Dichloropropene
Concen: 2.824 ug/l
RT: 9.02 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VX007694.D
Acq: 26 Feb 2019 04:41

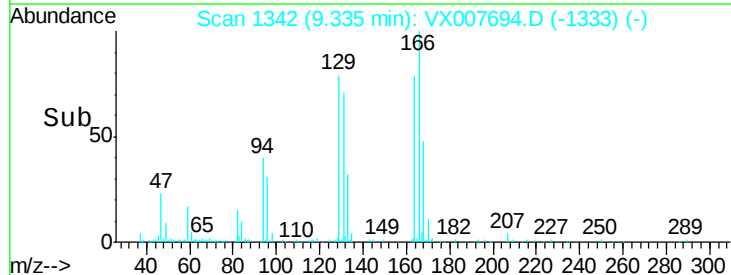
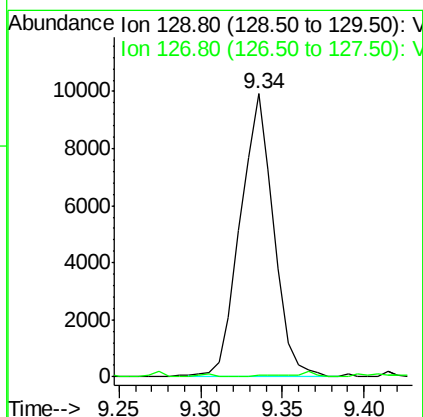
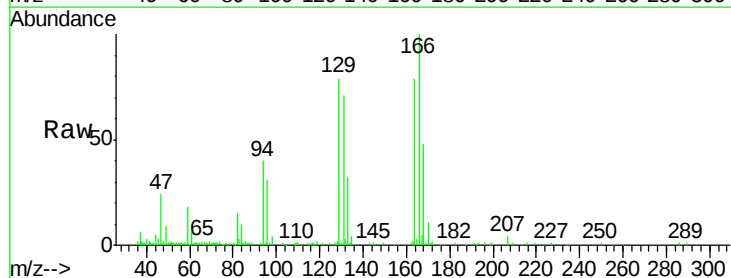
Instrument :
MSVOA_X
ClientSampleId :
M1-T1-OZ(PRE)

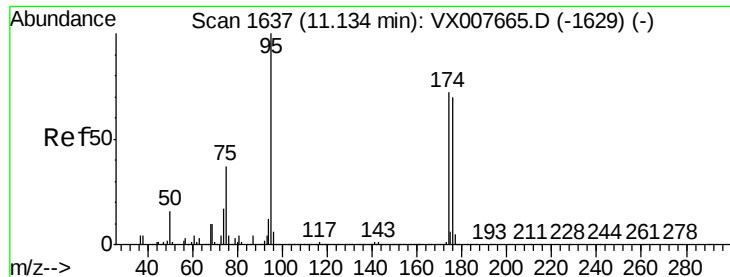
Tot Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
77 94.0 25.2 37.8#



#60
Dibromochloromethane
Concen: 3.402 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX007694.D
Acq: 26 Feb 2019 04:41

Tgt Ion: 129 Resp: 14139
Ion Ratio Lower Upper
129 100
127 0.0 37.8 113.4#





#62

4-Bromofluorobenzene

Concen: 45.661 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

M1-T1-OZ(PRE)

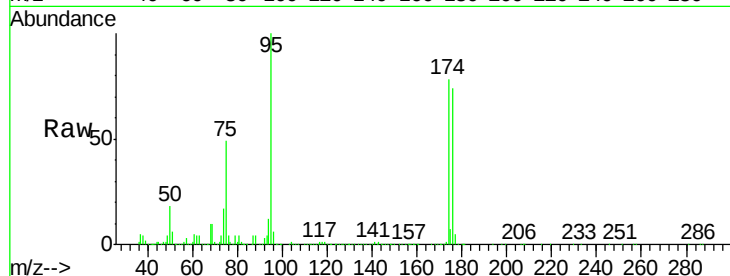
Tot Ion: 95 Resp: 253853

Ion Ratio Lower Upper

95 100

174 85.7 0.0 189.2

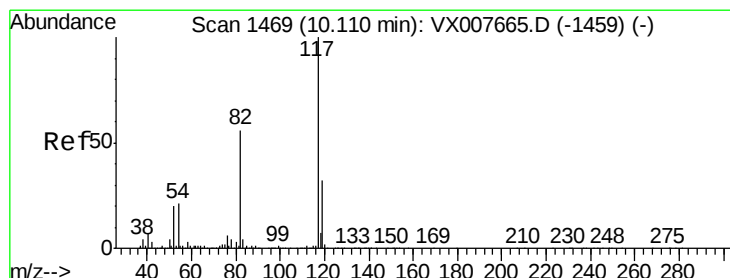
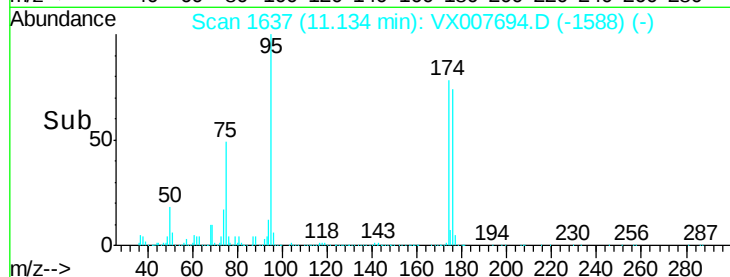
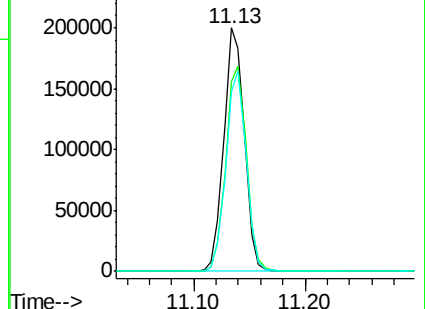
176 81.8 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007665.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX007665.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX007665.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

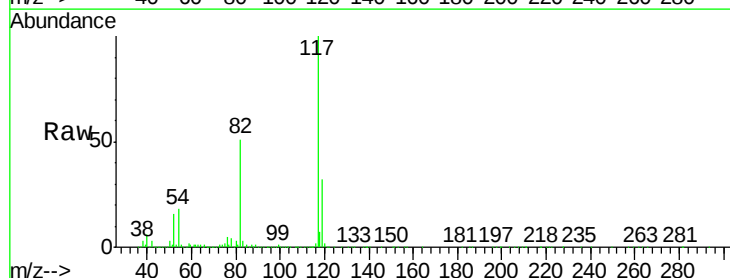
Tgt Ion: 117 Resp: 559855

Ion Ratio Lower Upper

117 100

82 51.2 42.1 63.1

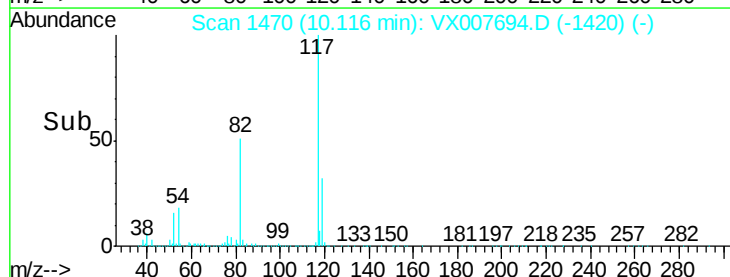
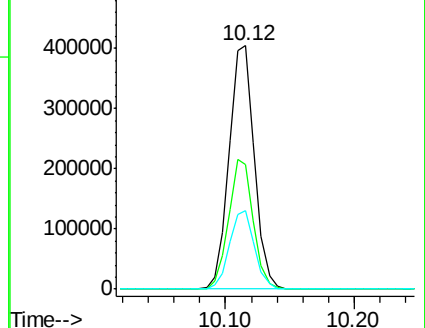
119 32.3 26.5 39.7

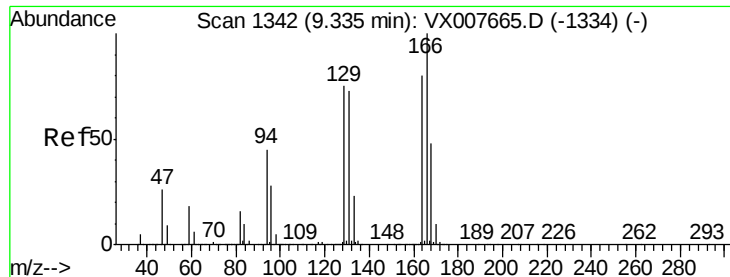


Abundance Ion 116.90 (116.60 to 117.60): VX007665.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007665.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007665.D (-1459) (-)





#64

Tetrachloroethene

Concen: 3.271 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

M1-T1-OZ(PRE)

Tot Ion:164 Resp: 14866

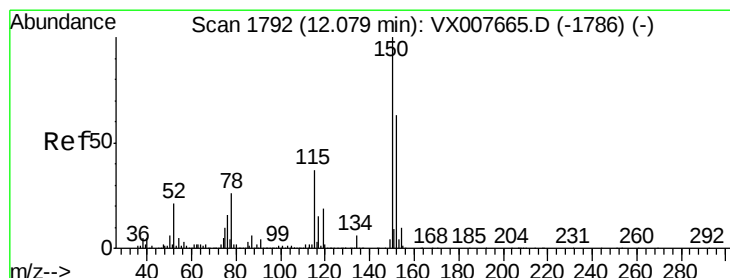
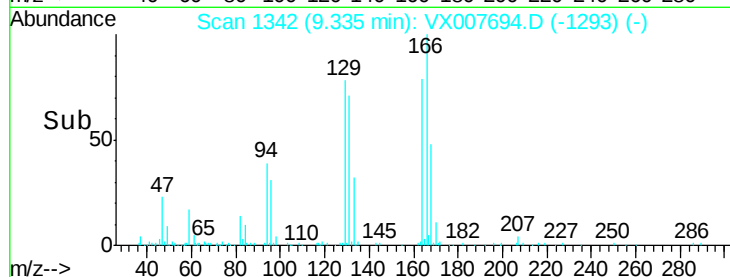
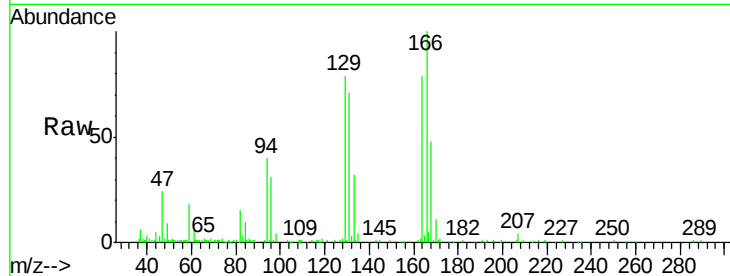
Ion Ratio Lower Upper

164 100

166 127.2 101.0 151.4

129 100.2 70.5 105.7

131 90.4 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: VX007694.D

Acq: 26 Feb 2019 04:41

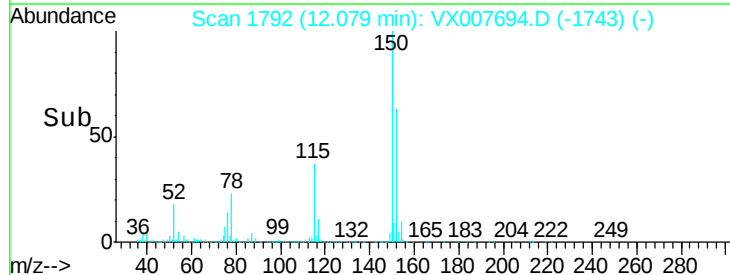
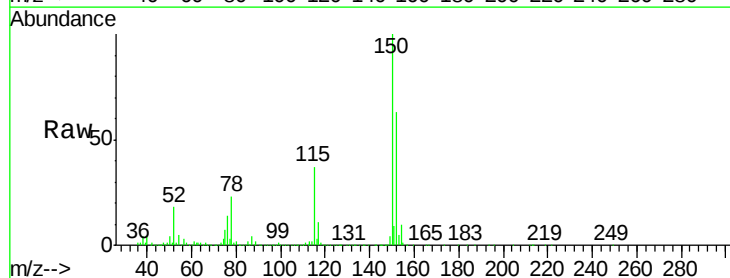
Tgt Ion:152 Resp: 255120

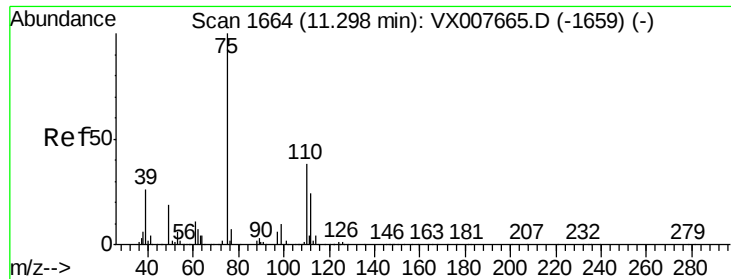
Ion Ratio Lower Upper

152 100

115 57.4 38.0 114.0

150 157.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.108 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

Instrument :

MSVOA_X

ClientSampleId :

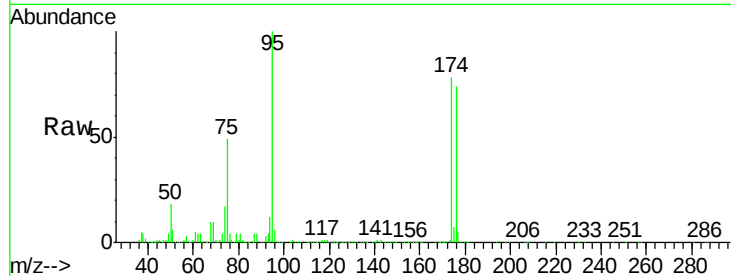
M1-T1-OZ(PRE)

Tot Ion: 75 Resp: 120223

Ion Ratio Lower Upper

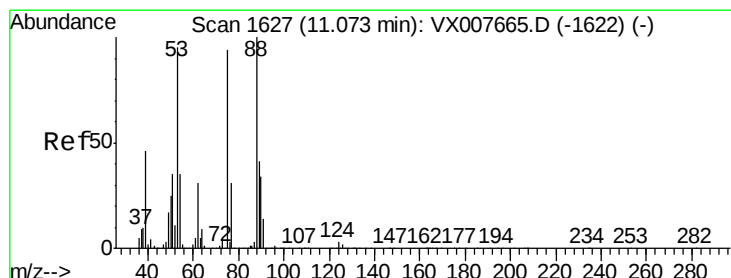
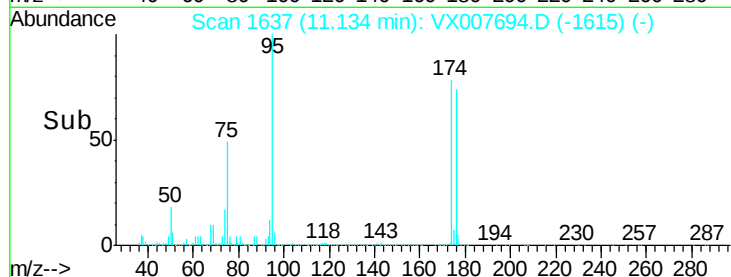
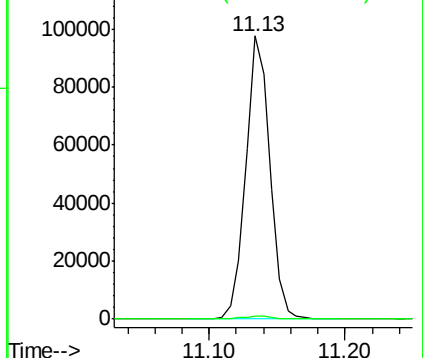
75 100

77 1.4 23.0 69.0#



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: 58.687 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007694.D

Acq: 26 Feb 2019 04:41

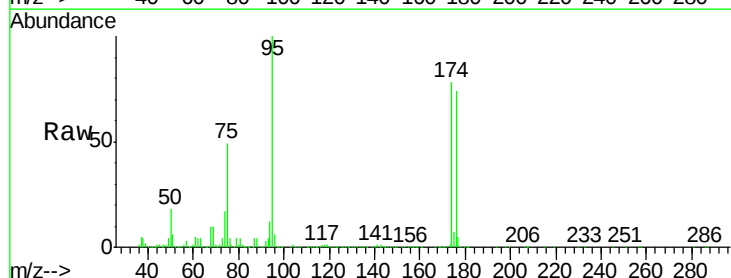
Tgt Ion: 75 Resp: 120223

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.1 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

