

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007761.D
 Acq On : 28 Feb 2019 12:52
 Operator : JC/SP
 Sample : K1603-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T3-OZ(PRE)

Quant Time: Mar 01 01:29:39 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	5.66	168	320228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	500950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	476724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224743	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	192900	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	5.51	113	164350	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	617238	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.13	95	219100	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

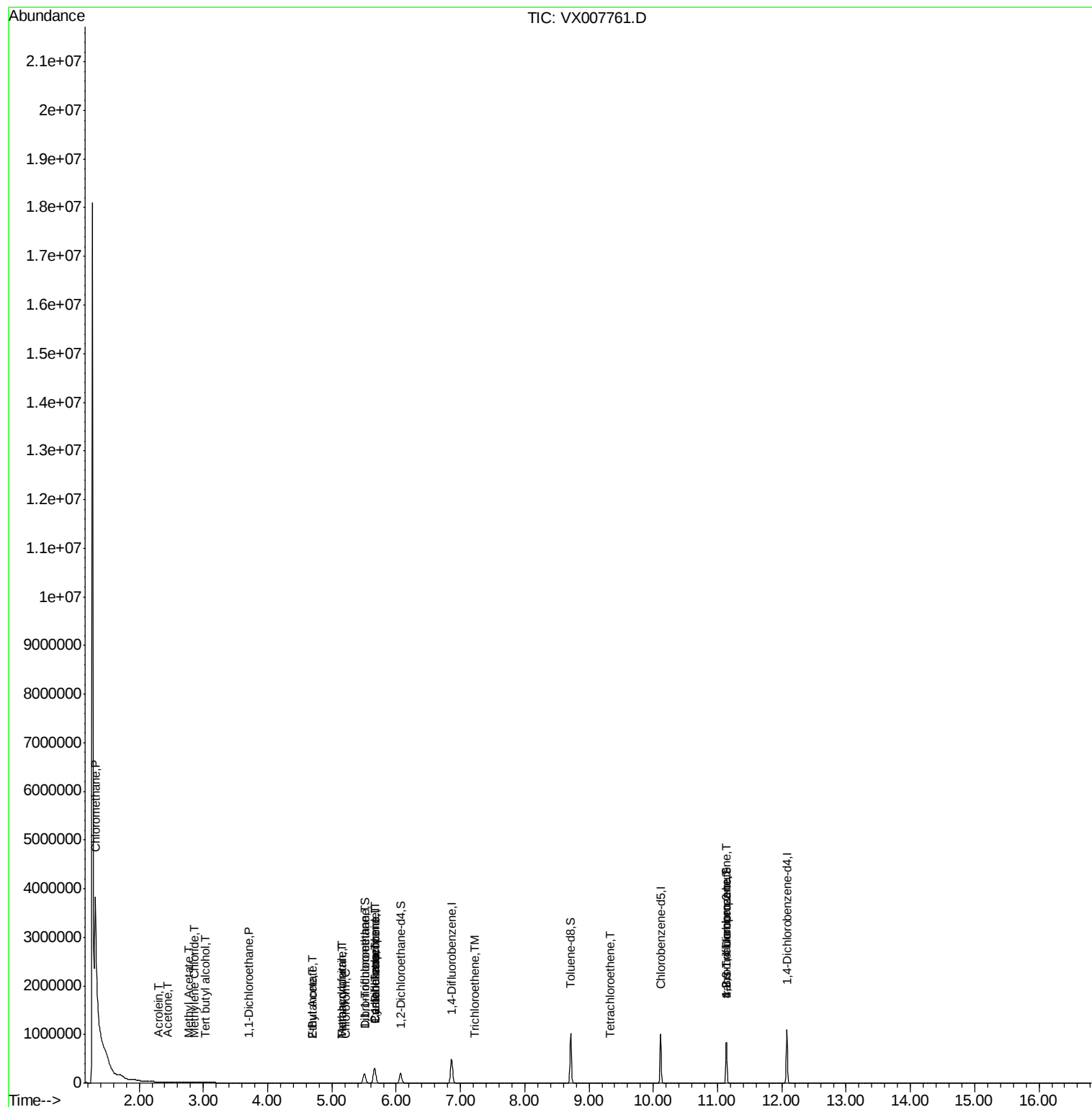
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	263518	80.613	ug/l #	43
5) Bromomethane	1.65	94	255	Below Cal	#	76
11) Tert butyl alcohol	3.03	59	5177	6.879	ug/l #	78
13) Acrolein	2.30	56	148	0.221	ug/l #	1
16) Acetone	2.45	43	5586	3.167	ug/l	100
18) Methyl Acetate	2.78	43	2237	0.581	ug/l	92
20) Methylene Chloride	2.87	84	753	0.231	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	4837	0.825	ug/l	98
25) 2-Butanone	4.70	43	3491	1.299	ug/l	95
29) Tetrahydrofuran	5.16	42	4221	2.383	ug/l	95
30) Chloroform	5.21	83	1676	0.267	ug/l	98
31) Cyclohexane	5.66	56	5633	1.022	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	2166	0.417	ug/l #	45
36) 1,1-Dichloropropene	5.66	75	21094	4.684	ug/l #	47
37) Ethyl Acetate	4.70	43	3491	0.698	ug/l #	69
38) Carbon Tetrachloride	5.66	117	27726	6.129	ug/l #	17
41) Methacrylonitrile	5.15	41	2703	1.012	ug/l #	35
44) Trichloroethene	7.22	130	1836	0.480	ug/l	98
64) Tetrachloroethene	9.33	164	820	0.212	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	108049	22.555	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	108049	59.812	ug/l #	9

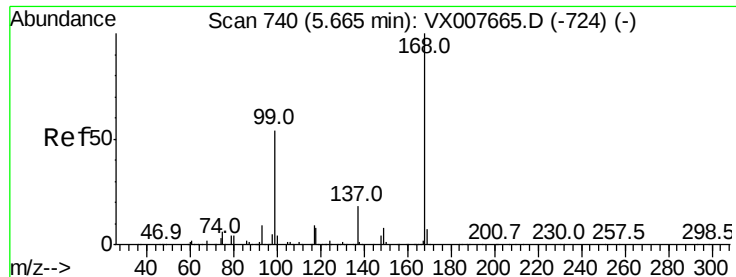
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022819\
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Quant Time: Mar 01 01:29:39 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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

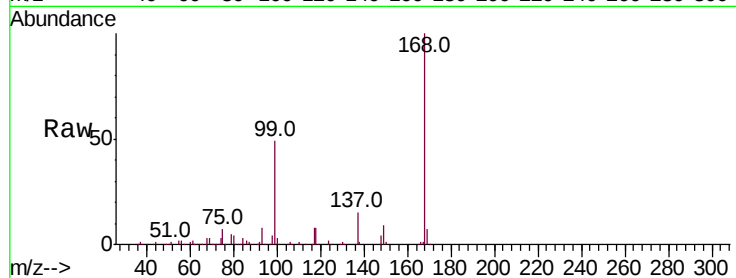
M1-T3-OZ(PRE)

Tot Ion:168 Resp: 320228

Ion Ratio Lower Upper

168 100

99 49.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

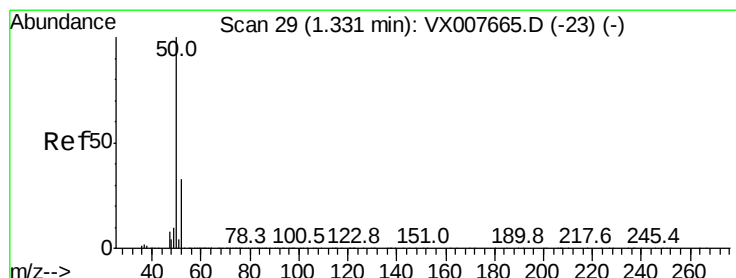
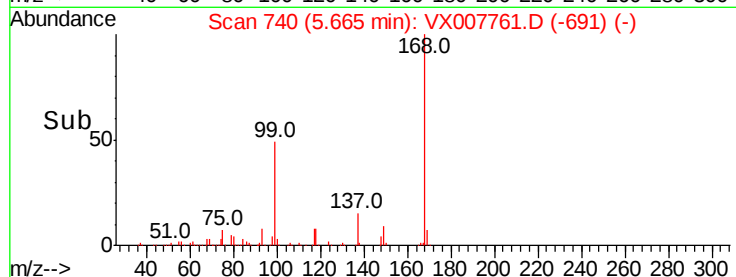
5.66

100000

50000

0

Time-->



#3

Chloromethane

Concen: 80.613 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007761.D

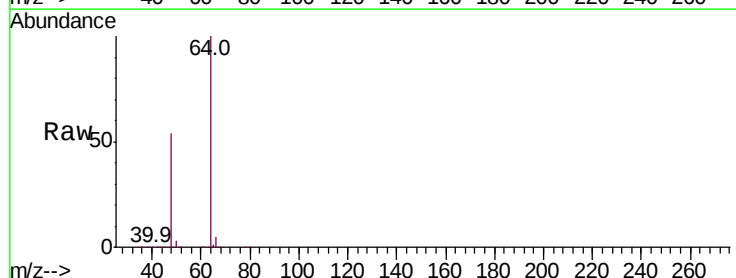
Acq: 28 Feb 2019 12:52

Tgt Ion: 50 Resp: 263518

Ion Ratio Lower Upper

50 100

52 0.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

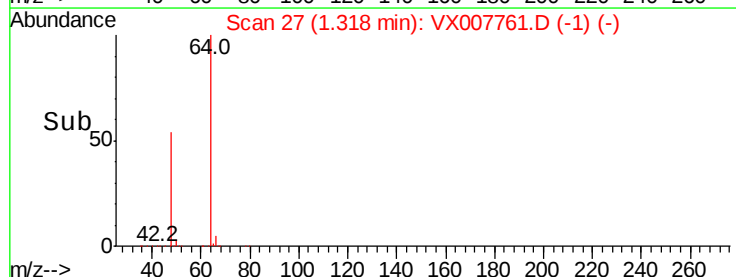
300000

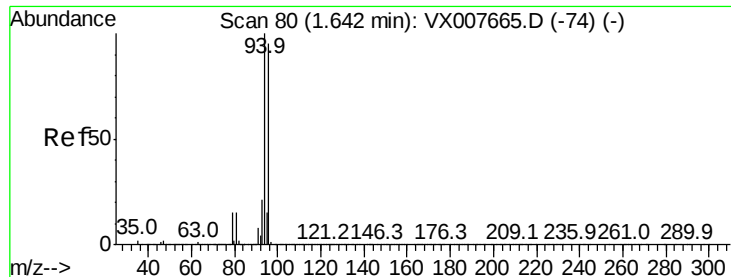
200000

100000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

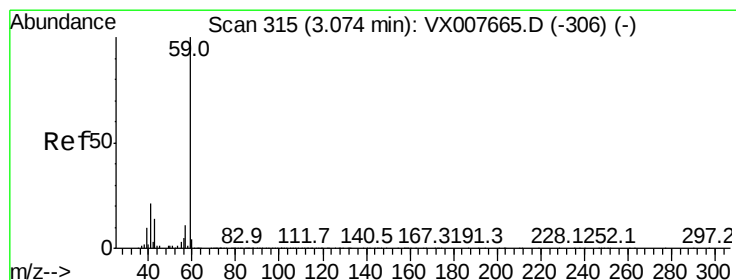
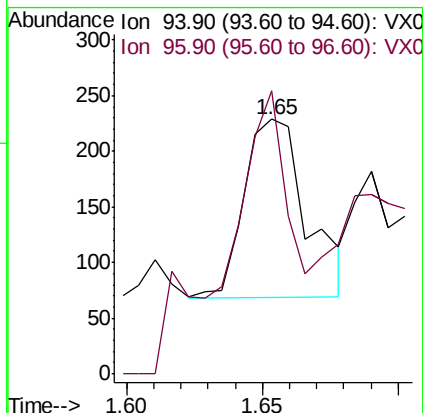
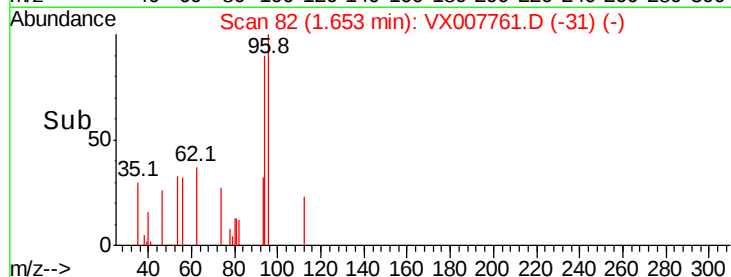
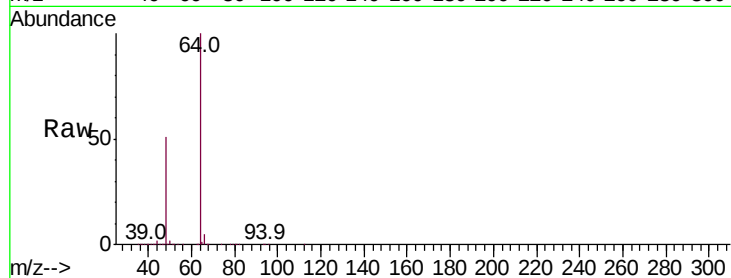
M1-T3-OZ(PRE)

Tot Ion: 94 Resp: 255

Ion Ratio Lower Upper

94 100

96 115.6 73.9 110.9#



#11

Tert butyl alcohol

Concen: 6.879 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007761.D

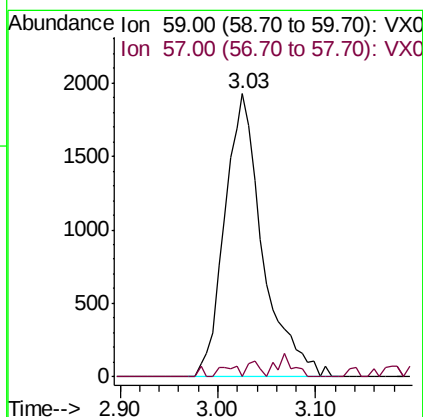
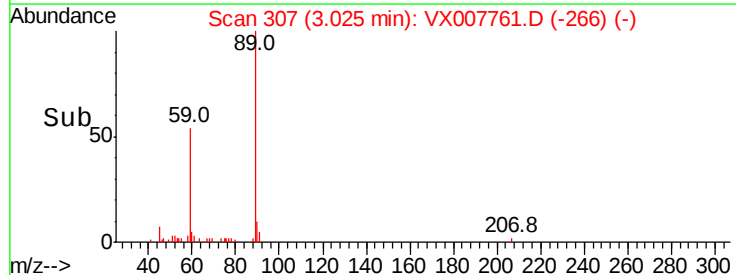
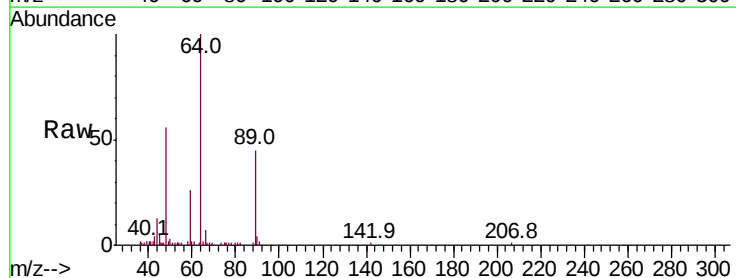
Acq: 28 Feb 2019 12:52

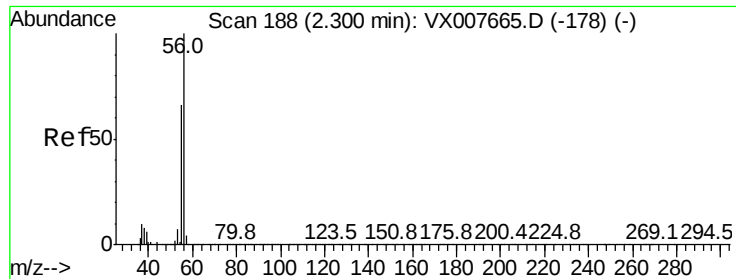
Tgt Ion: 59 Resp: 5177

Ion Ratio Lower Upper

59 100

57 1.8 8.1 12.1#





#13

Acrolein

Concen: 0.221 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

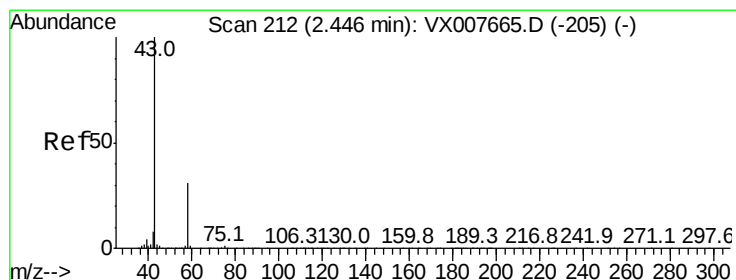
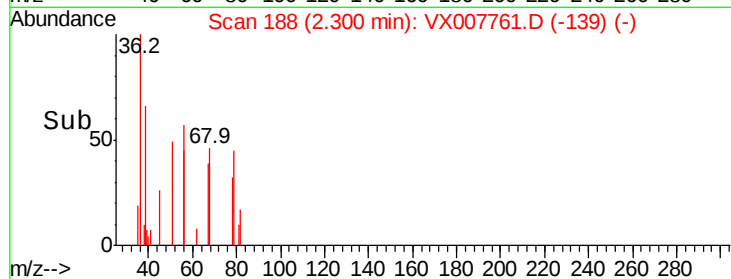
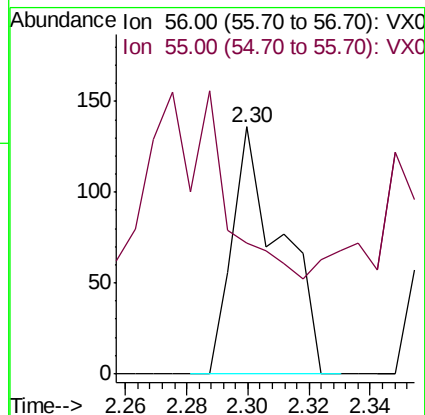
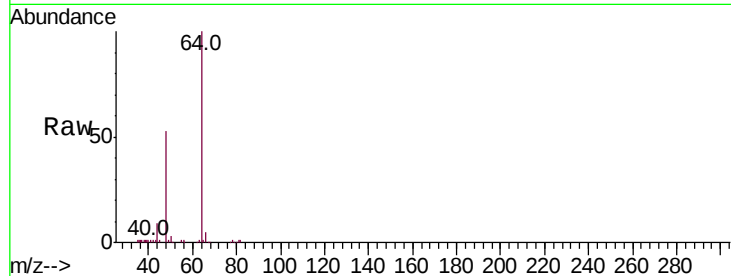
M1-T3-OZ(PRE)

Tot Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 250.7 56.9 85.3#



#16

Acetone

Concen: 3.167 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007761.D

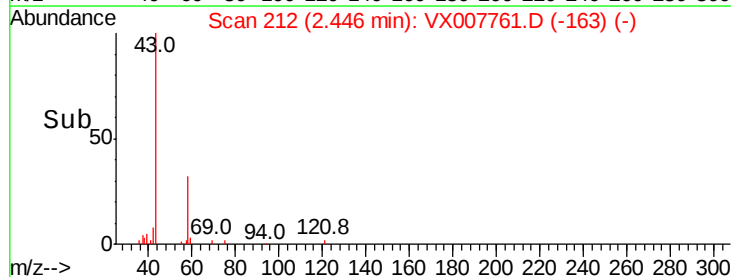
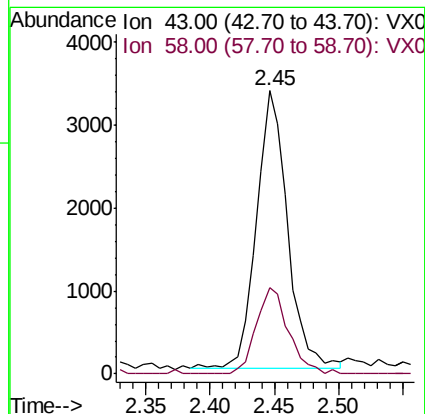
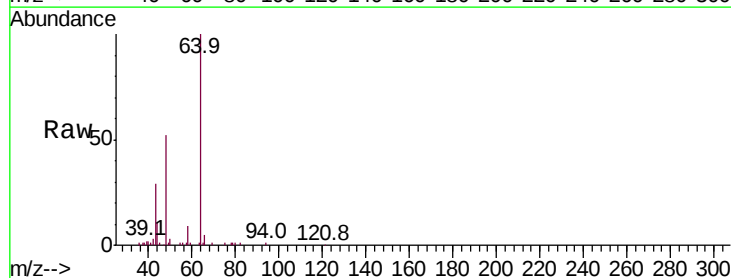
Acq: 28 Feb 2019 12:52

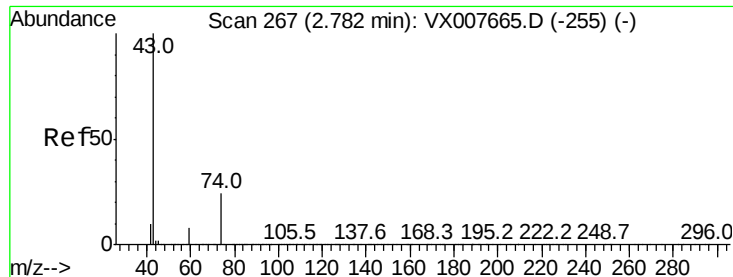
Tgt Ion: 43 Resp: 5586

Ion Ratio Lower Upper

43 100

58 31.3 24.9 37.3

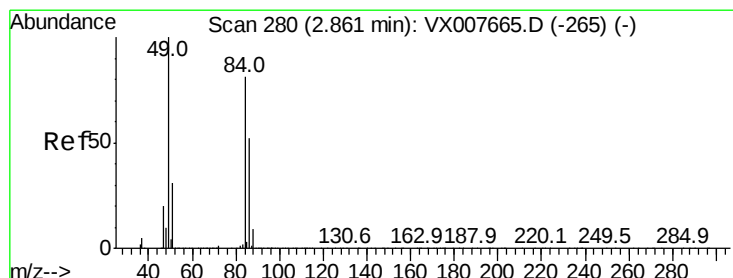
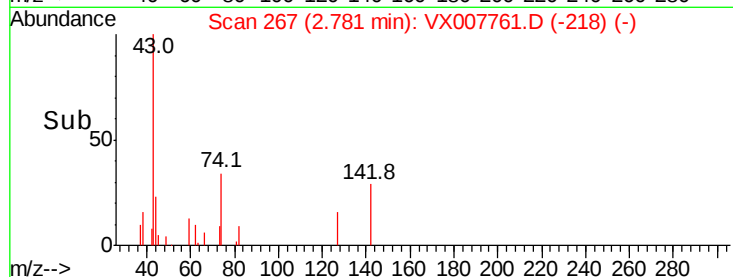
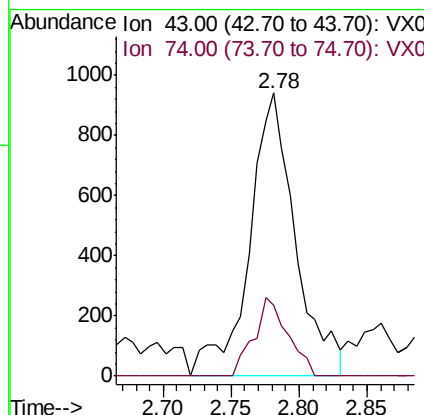
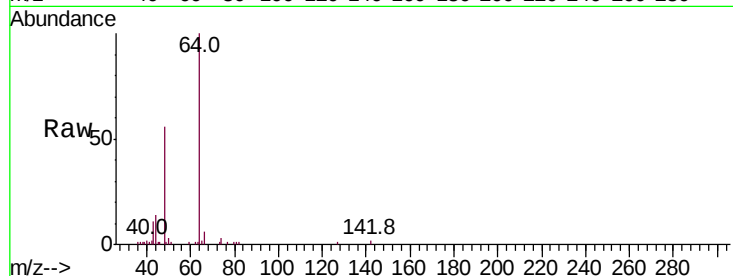




#18
Methyl Acetate
Concen: 0.581 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007761.D
Acq: 28 Feb 2019 12:52

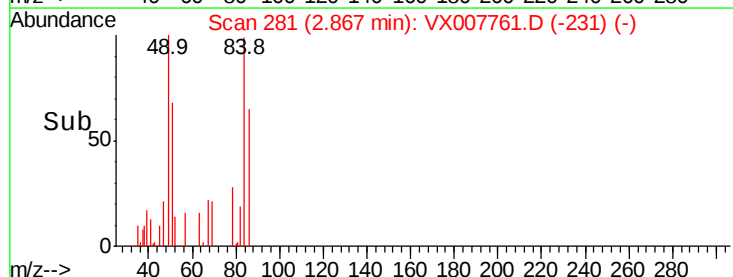
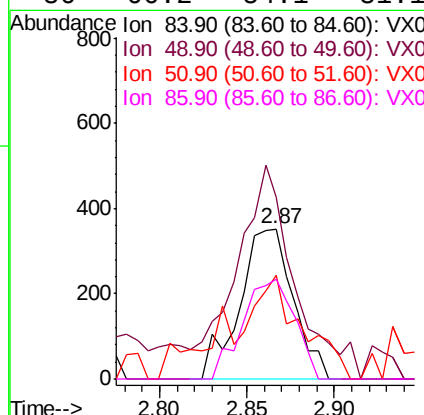
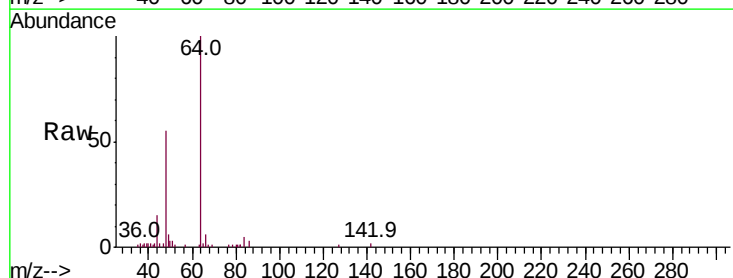
Instrument :
MSVOA_X
ClientSampled :
M1-T3-OZ(PRE)

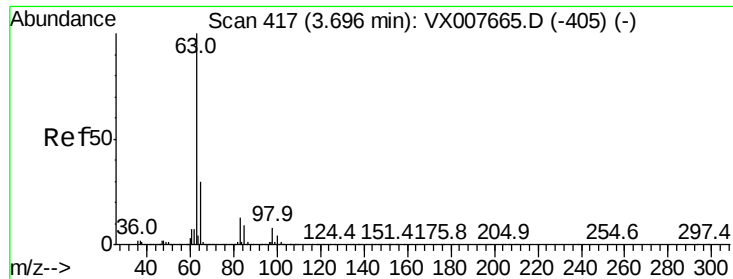
Tot Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.2



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007761.D
Acq: 28 Feb 2019 12:52

Tgt Ion: 84 Resp: 753
Ion Ratio Lower Upper
84 100
49 105.4 94.8 142.2
51 54.3 29.8 44.8#
86 66.2 54.1 81.1





#24

1,1-Dichloroethane

Concen: 0.825 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

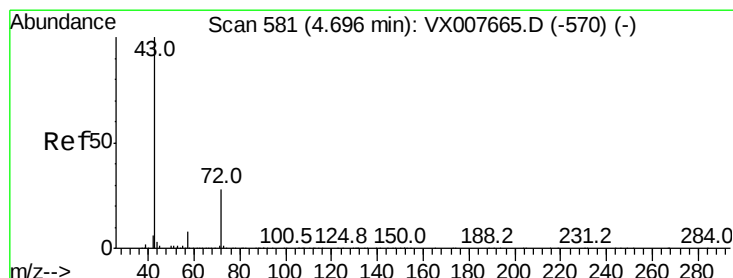
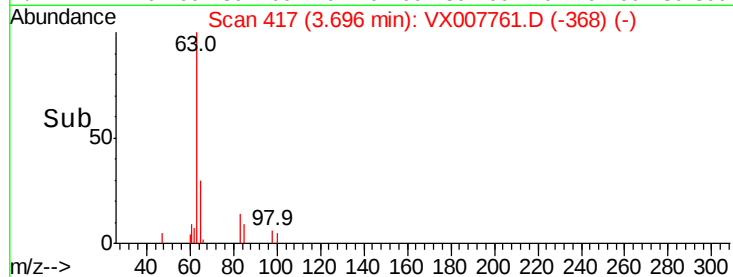
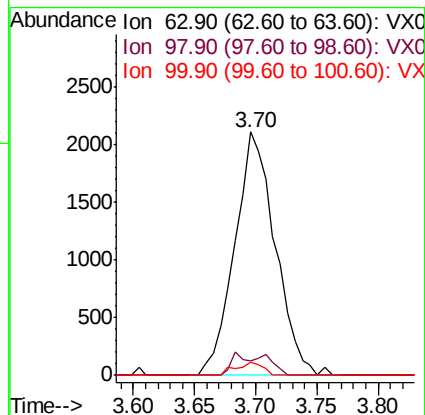
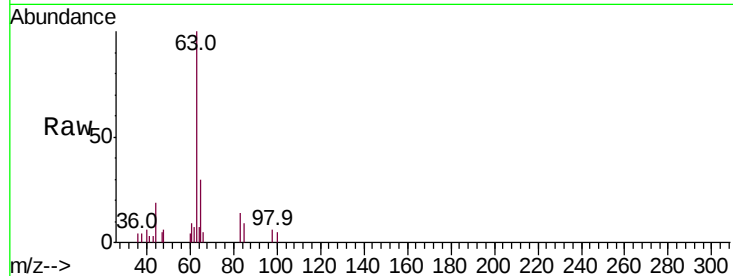
Tot Ion: 63 Resp: 4837

Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

100 5.3 2.5 7.4



#25

2-Butanone

Concen: 1.299 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007761.D

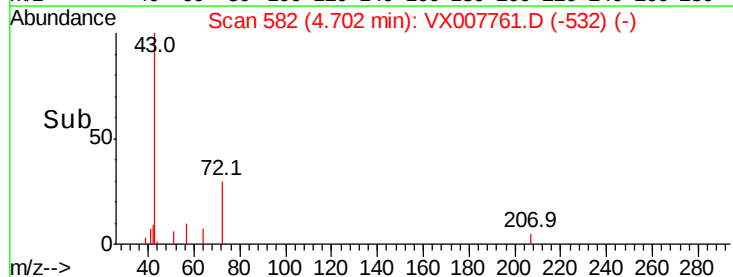
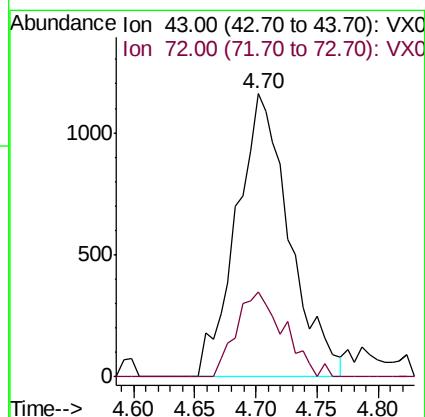
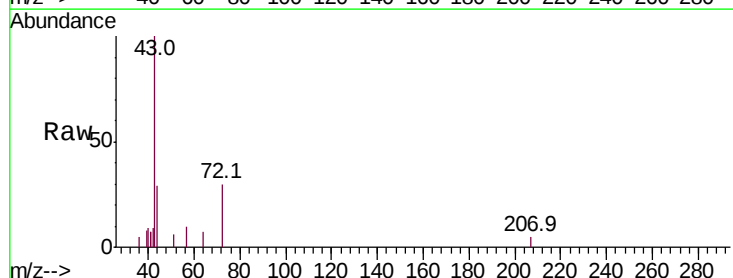
Acq: 28 Feb 2019 12:52

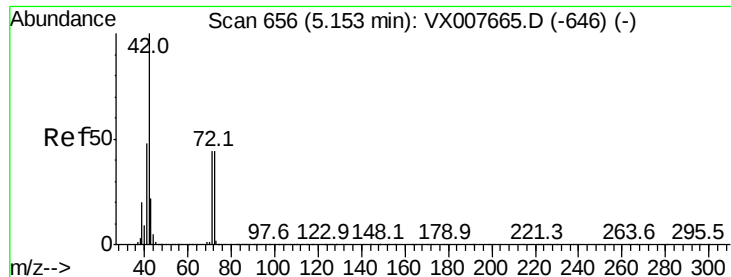
Tgt Ion: 43 Resp: 3491

Ion Ratio Lower Upper

43 100

72 30.1 22.2 33.2





#29

Tetrahydrofuran

Concen: 2.383 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

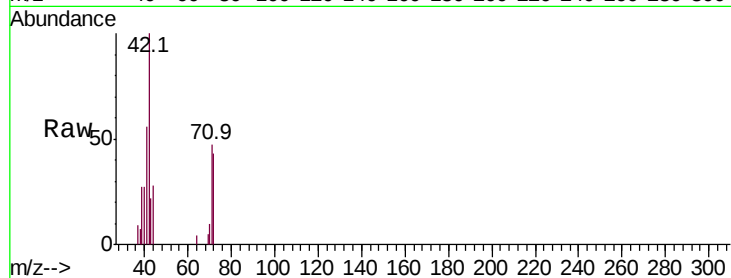
Tot Ion: 42 Resp: 4221

Ion Ratio Lower Upper

42 100

72 43.3 37.6 56.4

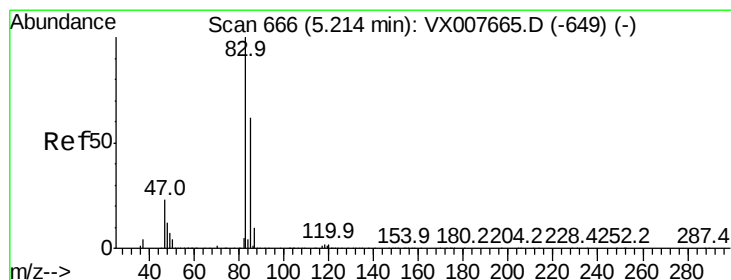
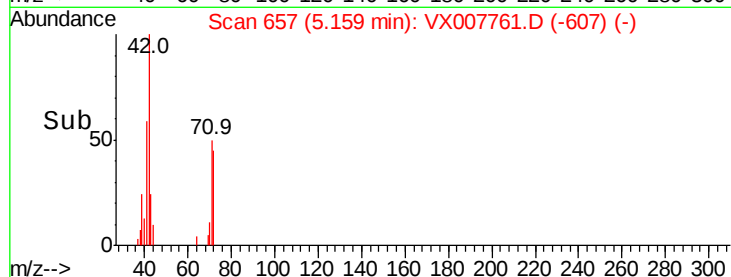
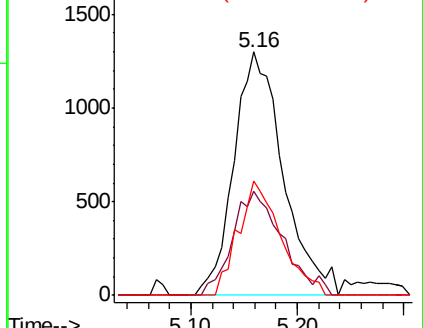
71 40.4 34.6 51.8



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



#30

Chloroform

Concen: 0.267 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007761.D

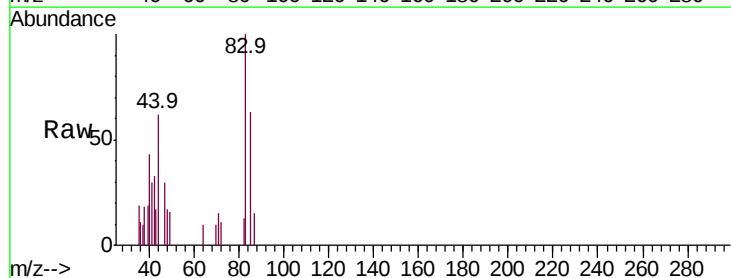
Acq: 28 Feb 2019 12:52

Tgt Ion: 83 Resp: 1676

Ion Ratio Lower Upper

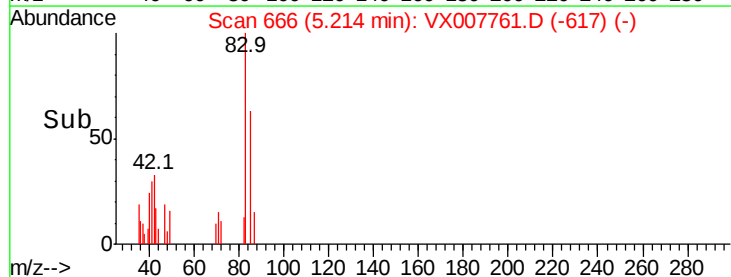
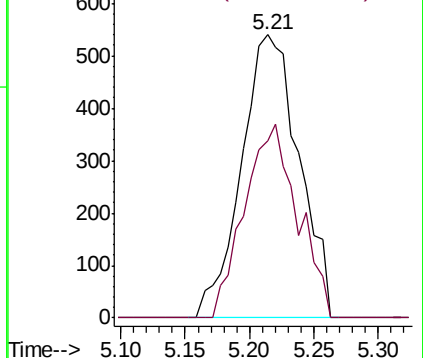
83 100

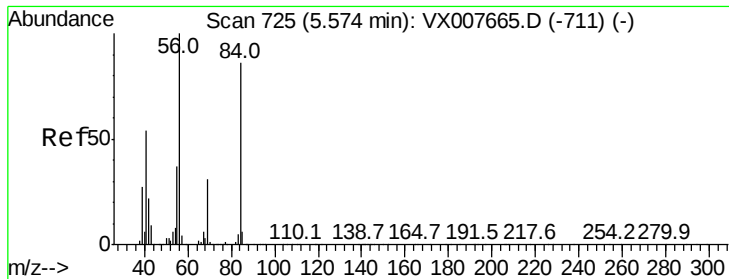
85 62.6 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

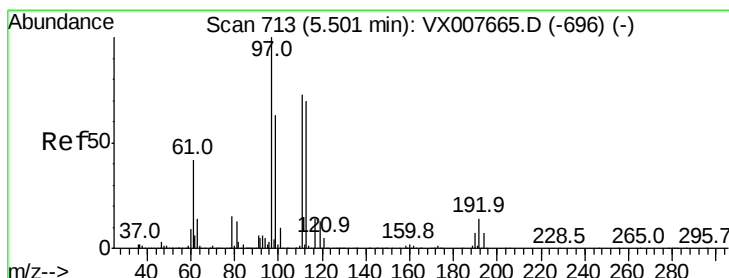
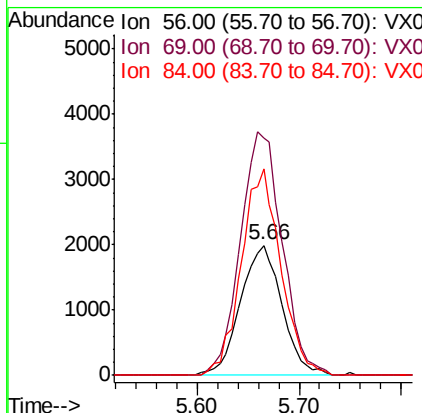
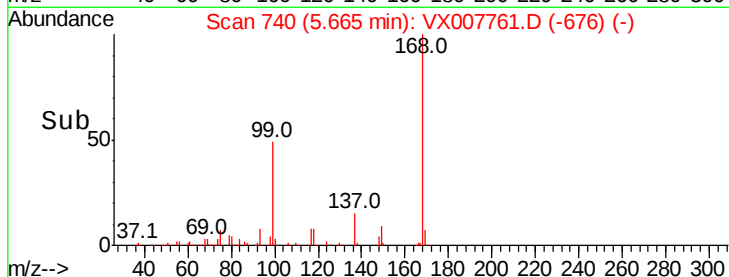
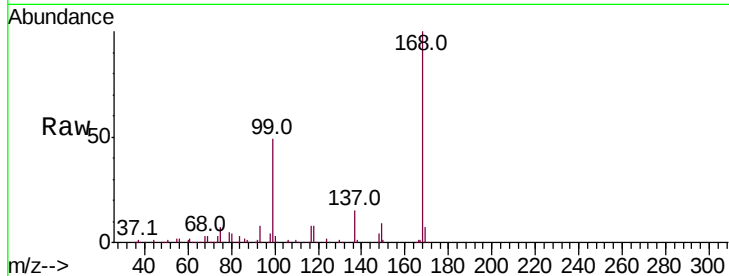




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007761.D
Acq: 28 Feb 2019 12:52

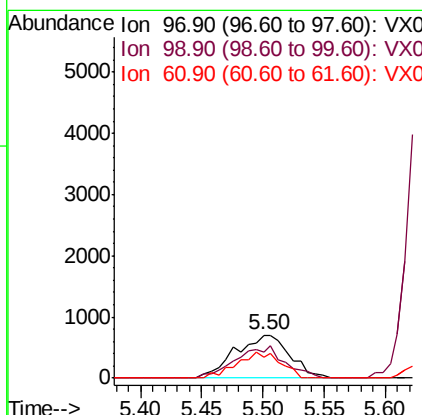
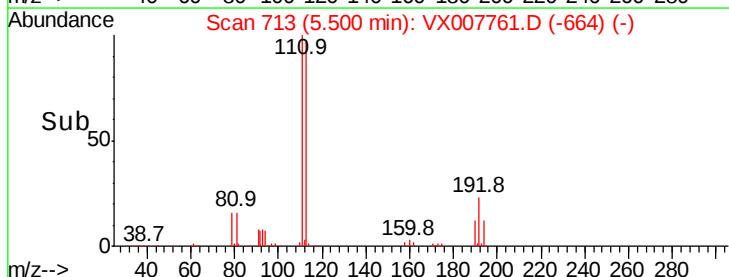
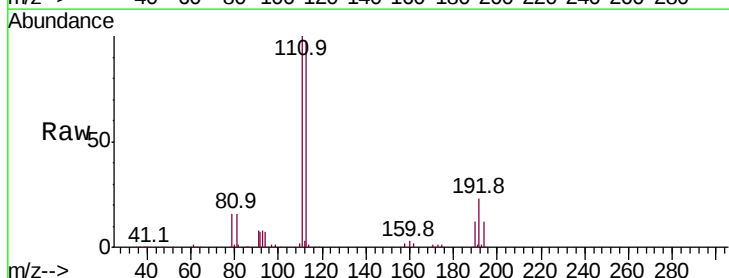
Instrument :
MSVOA_X
ClientSampleId :
M1-T3-OZ(PRE)

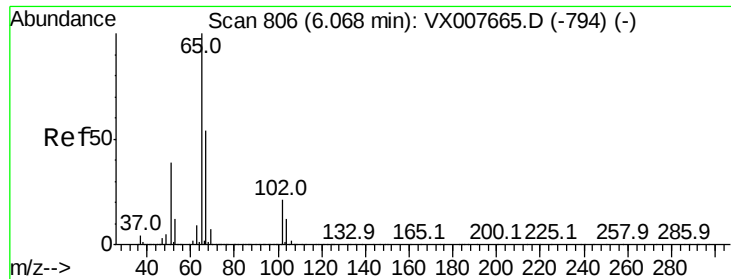
Tot Ion: 56 Resp: 5633
Ion Ratio Lower Upper
56 100
69 182.5 23.0 34.6#
84 158.8 69.8 104.6#



#32
1,1,1-Trichloroethane
Concen: 0.417 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX007761.D
Acq: 28 Feb 2019 12:52

Tgt Ion: 97 Resp: 2166
Ion Ratio Lower Upper
97 100
99 0.0 52.2 78.2#
61 48.2 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 48.631 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

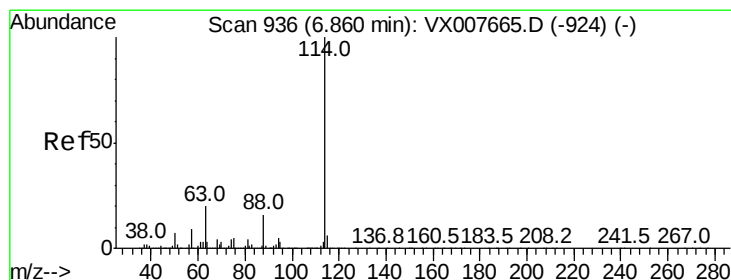
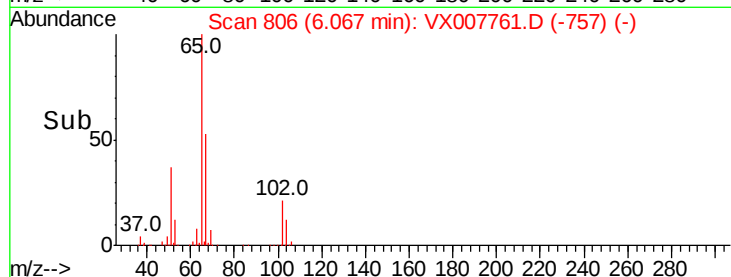
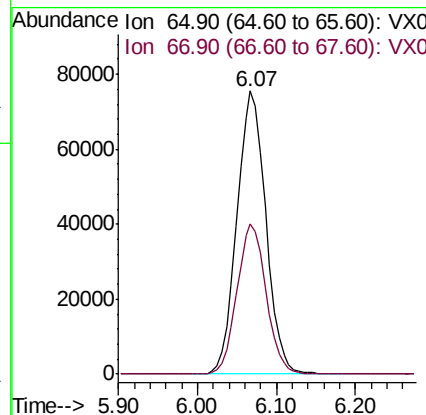
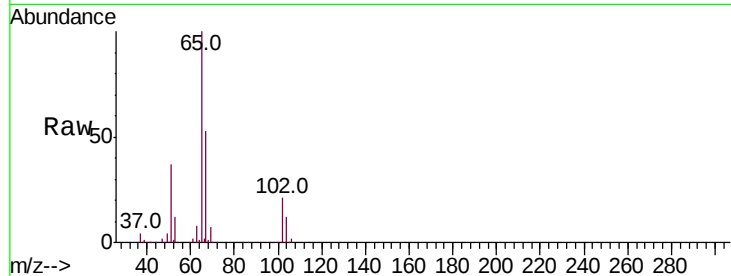
M1-T3-OZ(PRE)

Tot Ion: 65 Resp: 192900

Ion Ratio Lower Upper

65 100

67 53.3 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: VX007761.D

Acq: 28 Feb 2019 12:52

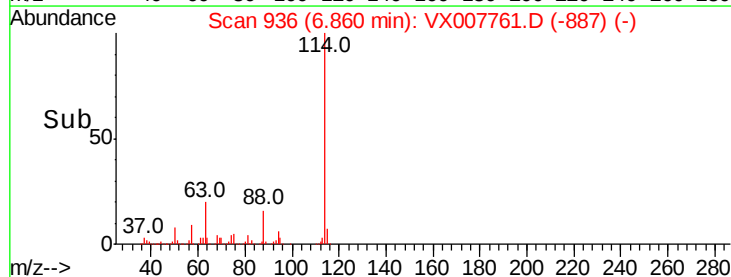
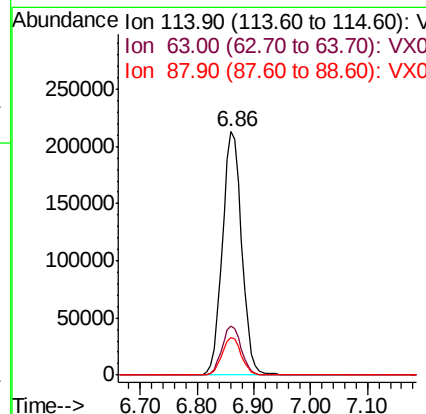
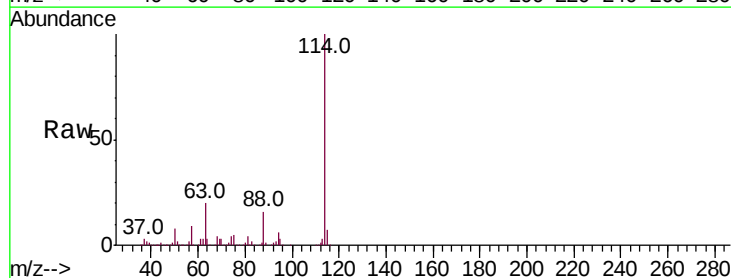
Tgt Ion: 114 Resp: 500950

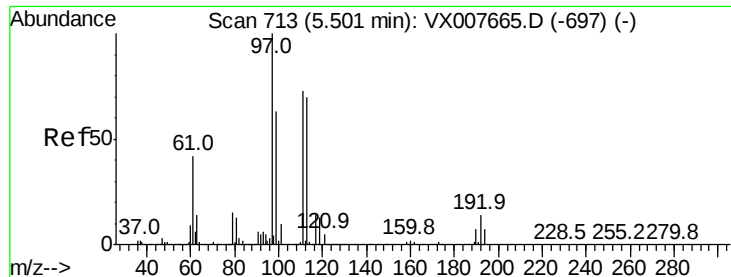
Ion Ratio Lower Upper

114 100

63 20.3 0.0 35.6

88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.079 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

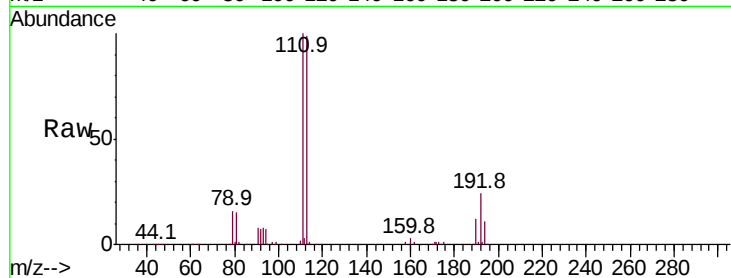
Tot Ion:113 Resp: 164350

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

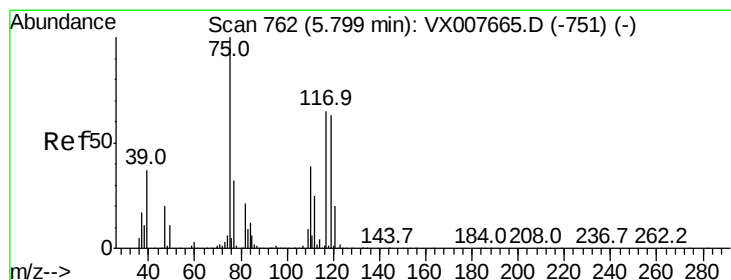
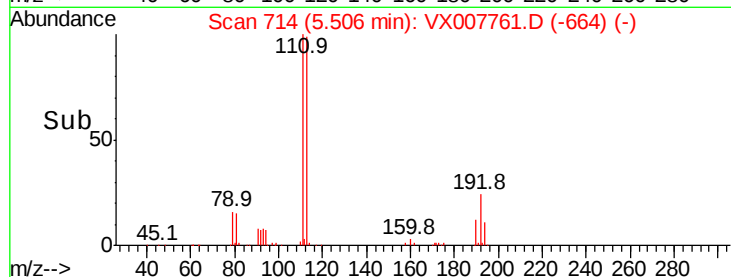
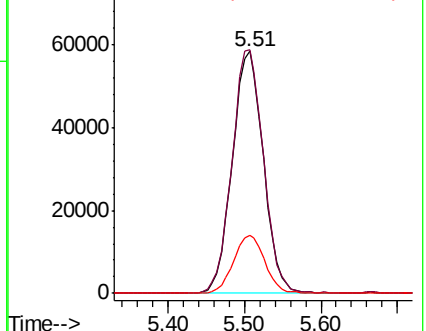
192 24.2 18.5 27.7



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: 4.684 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

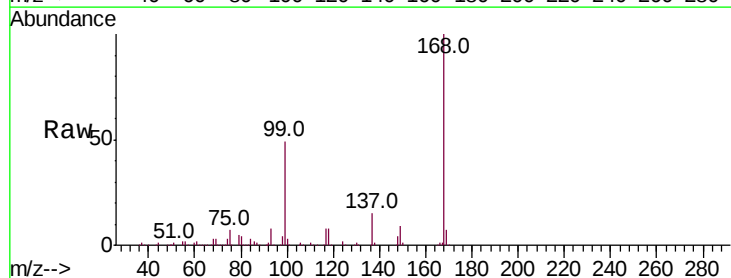
Tgt Ion: 75 Resp: 21094

Ion Ratio Lower Upper

75 100

110 8.7 20.0 59.9#

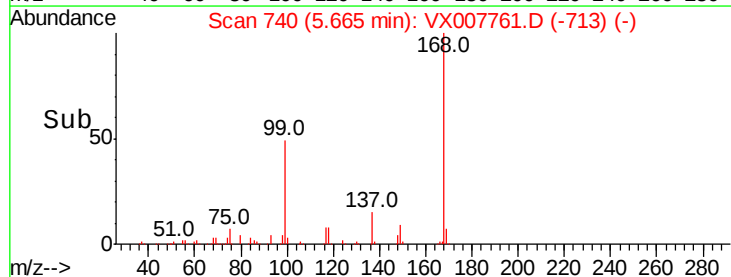
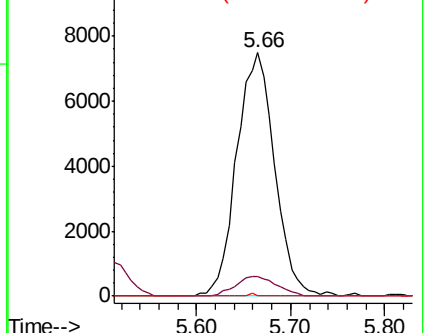
77 0.1 24.7 37.1#

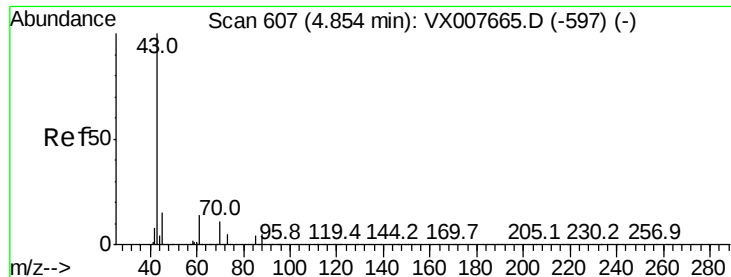


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.698 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

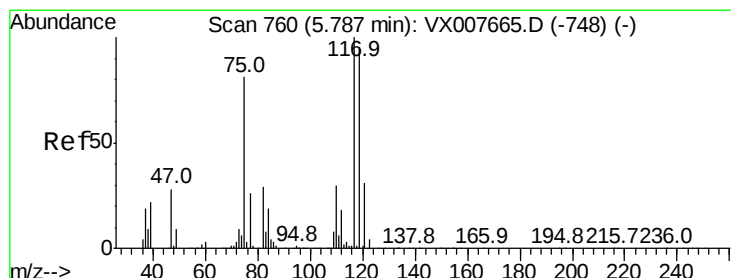
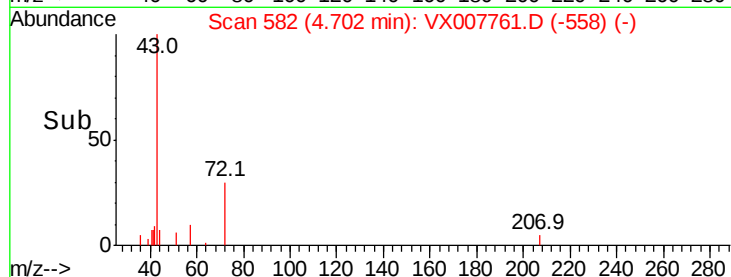
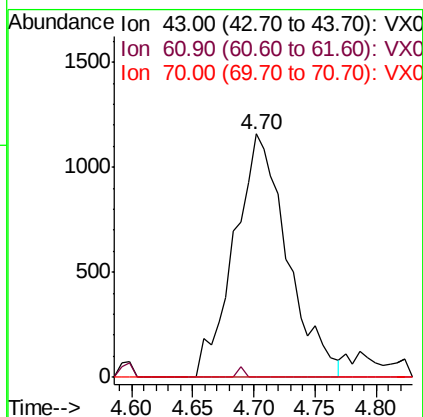
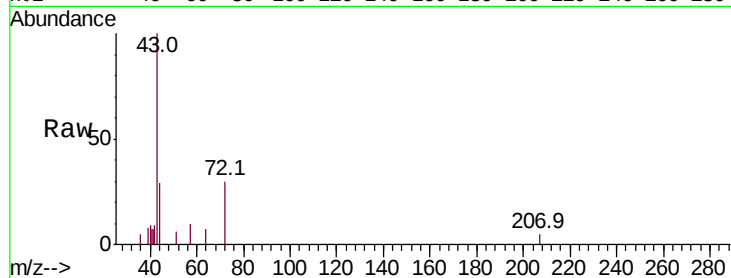
Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
M1-T3-OZ(PRE)

Tot Ion: 43 Resp: 3491

Ion	Ratio	Lower	Upper
43	100		
61	0.5	11.3	16.9#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 5.66 min Scan# 739

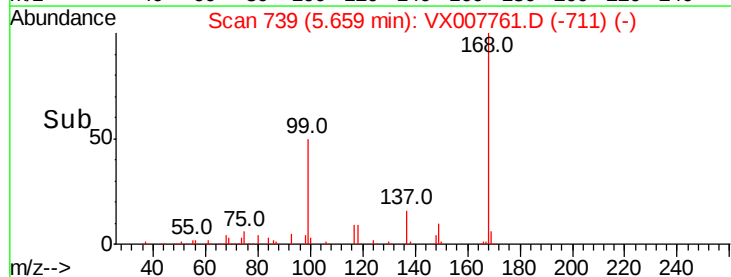
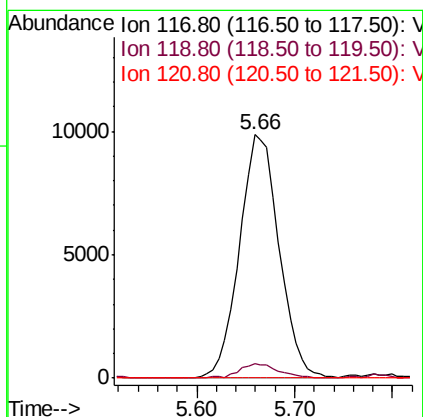
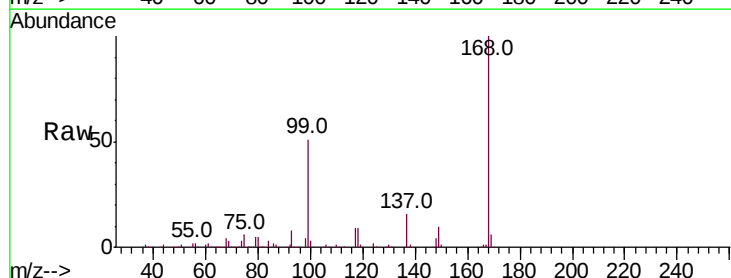
Delta R.T. -0.13 min

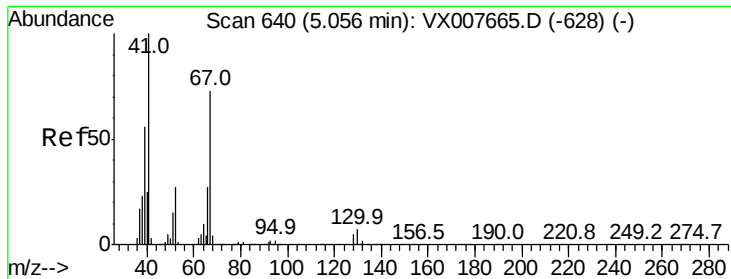
Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Tgt Ion: 117 Resp: 27726

Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.3	112.9#
121	0.0	25.0	37.4#





#41

Methacrylonitrile

Concen: 1.012 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.10 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

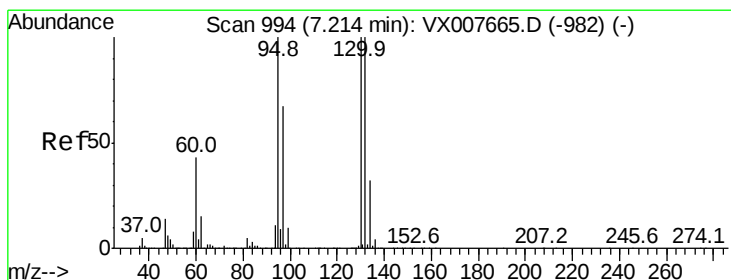
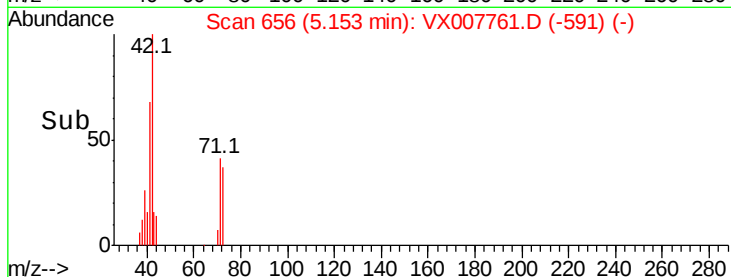
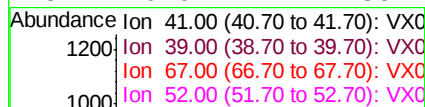
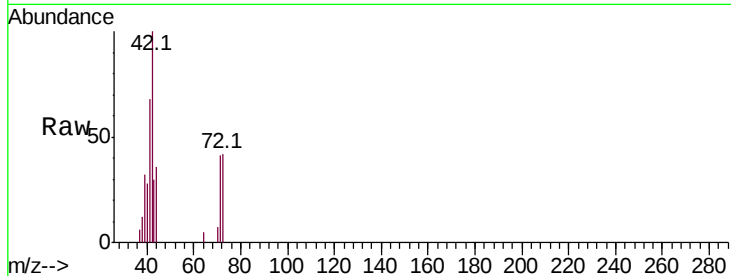
MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

Tot Ion: 41 Resp: 2703

Ion	Ratio	Lower	Upper
41	100		
39	26.7	44.5	66.7#
67	0.0	60.4	90.6#
52	0.0	24.1	36.1#



#44

Trichloroethene

Concen: 0.480 ug/l

RT: 7.22 min Scan# 995

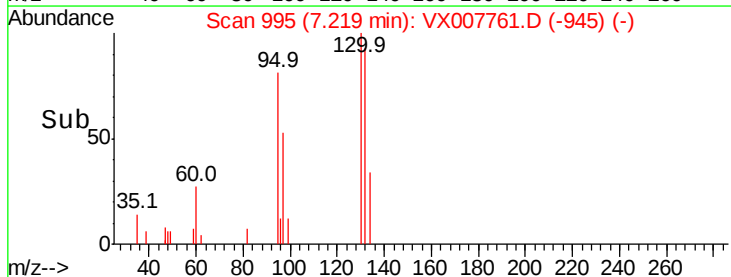
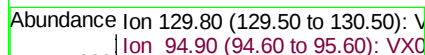
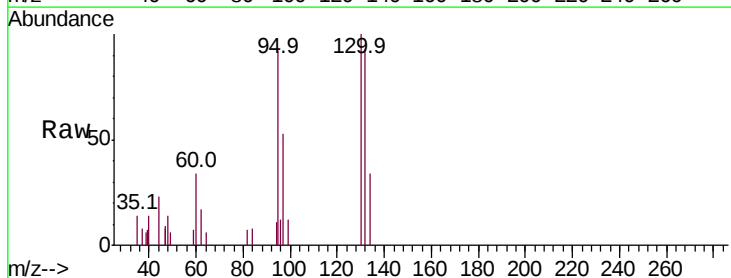
Delta R.T. 0.01 min

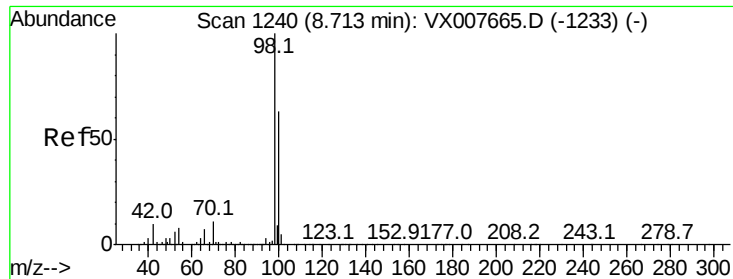
Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Tgt Ion:130 Resp: 1836

Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	180.0





#50

Toluene-d8

Concen: 48.146 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

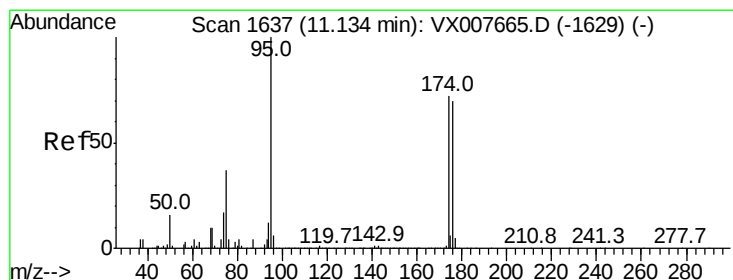
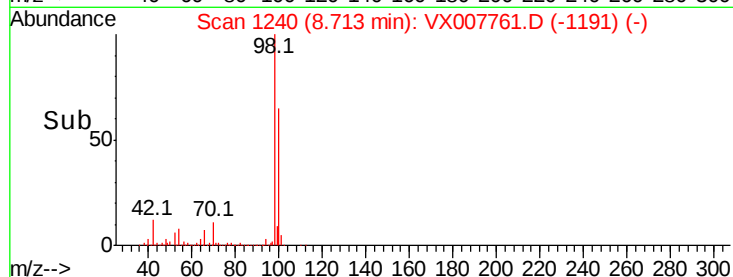
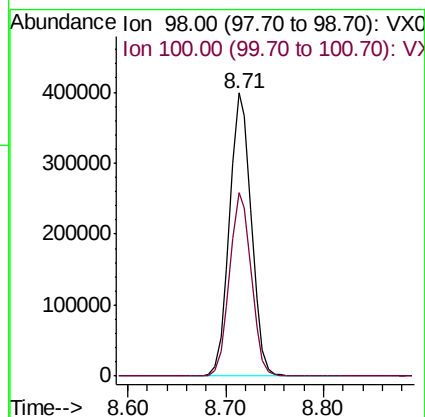
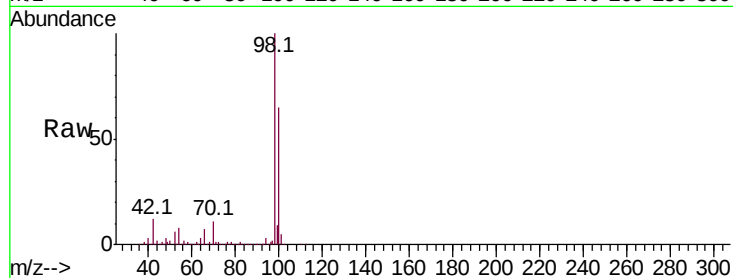
M1-T3-OZ(PRE)

Tot Ion: 98 Resp: 617238

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

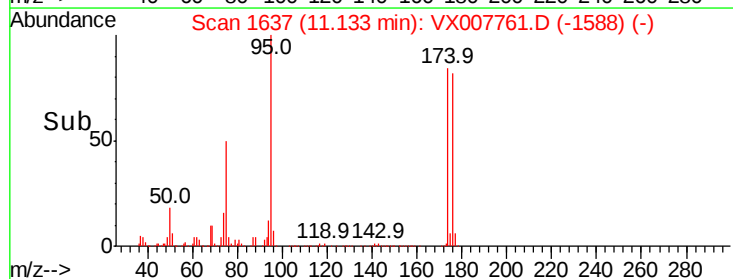
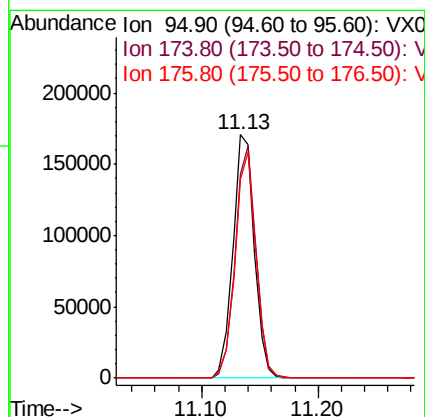
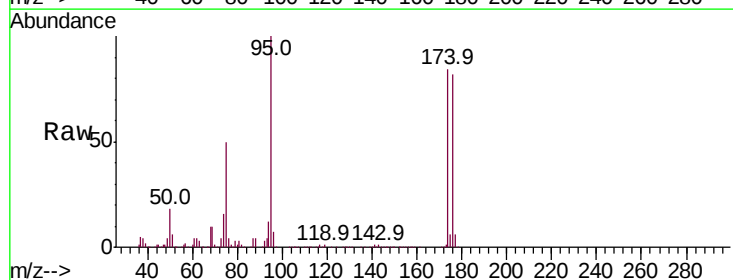
Tgt Ion: 95 Resp: 219100

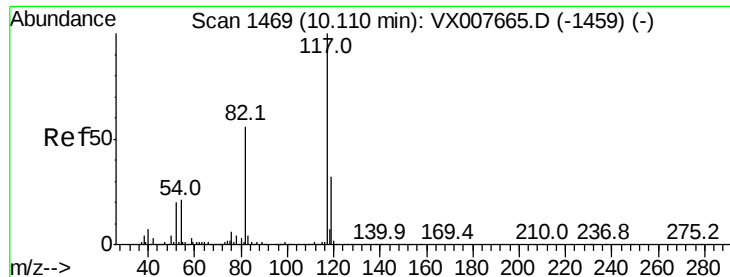
Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

176 90.3 0.0 186.2

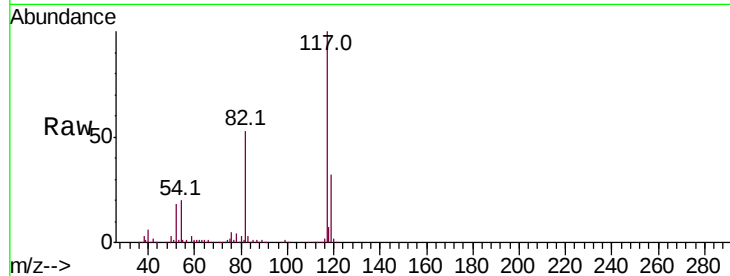




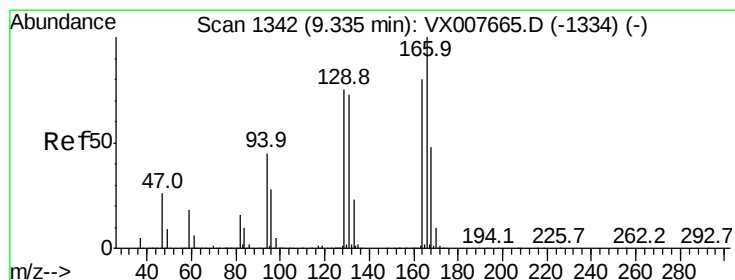
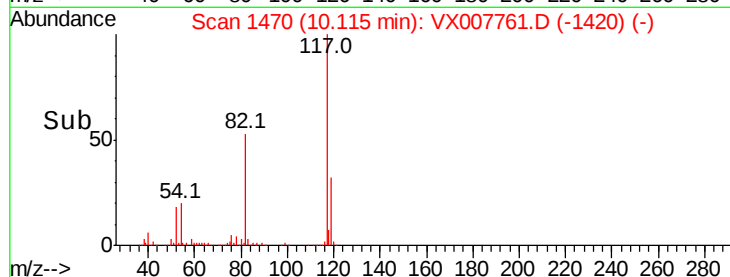
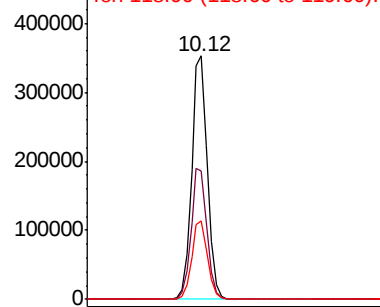
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007761.D
Acq: 28 Feb 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
M1-T3-OZ(PRE)

Tot Ion:117 Resp: 476724
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.3 26.5 39.7

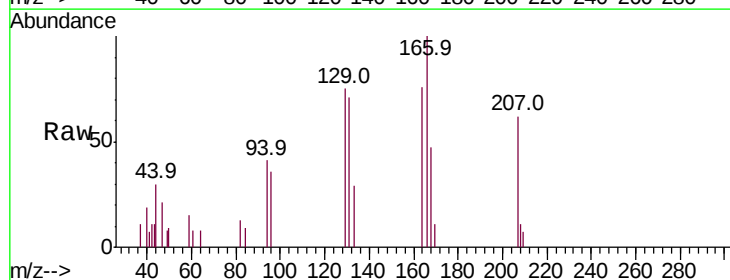


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

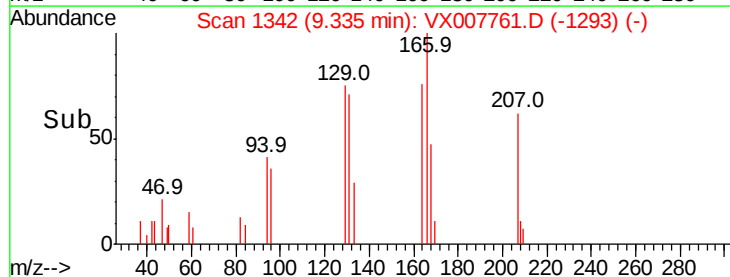
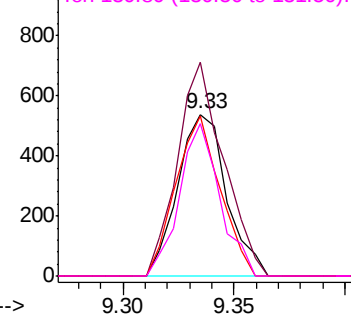


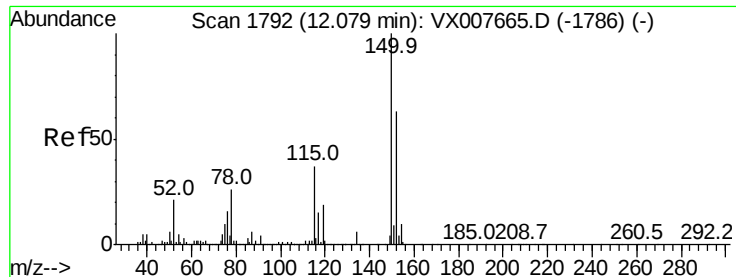
#64
Tetrachloroethene
Concen: 0.212 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007761.D
Acq: 28 Feb 2019 12:52

Tgt Ion:164 Resp: 820
Ion Ratio Lower Upper
164 100
166 131.9 101.0 151.4
129 99.3 70.5 105.7
131 93.9 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

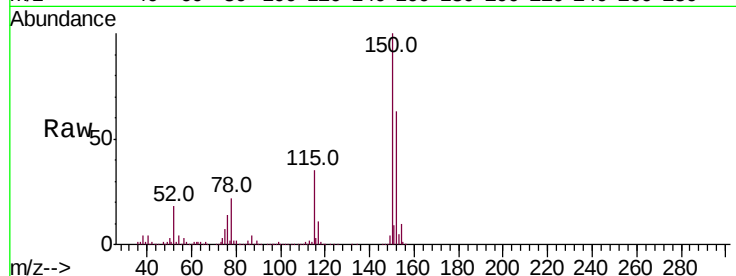
Tot Ion:152 Resp: 224743

Ion Ratio Lower Upper

152 100

115 55.4 38.0 114.0

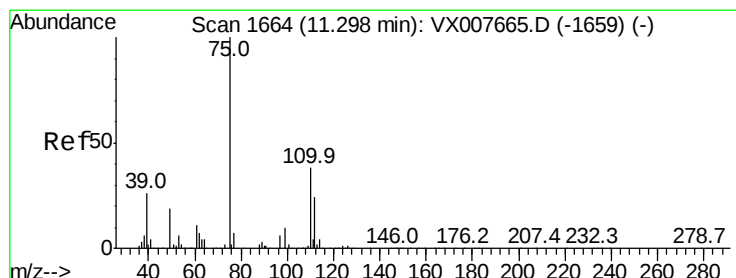
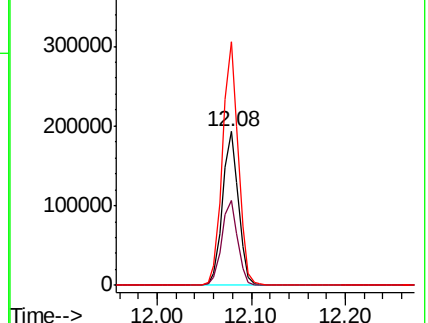
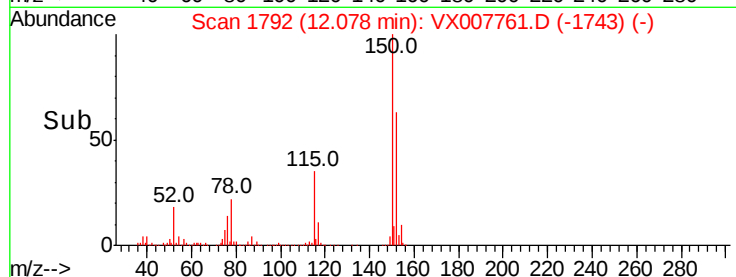
150 157.4 0.0 346.4



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: 22.555 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007761.D

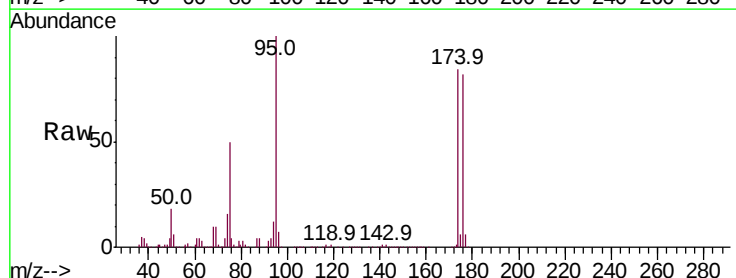
Acq: 28 Feb 2019 12:52

Tgt Ion: 75 Resp: 108049

Ion Ratio Lower Upper

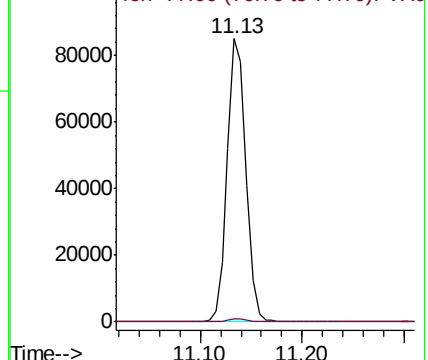
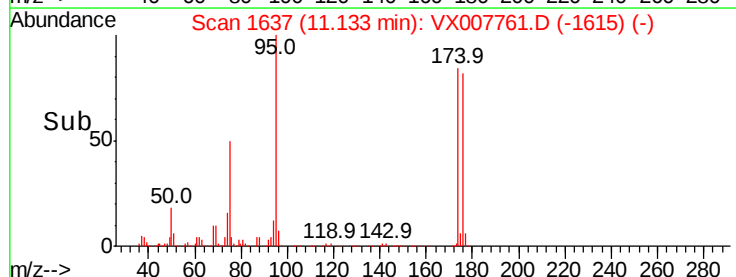
75 100

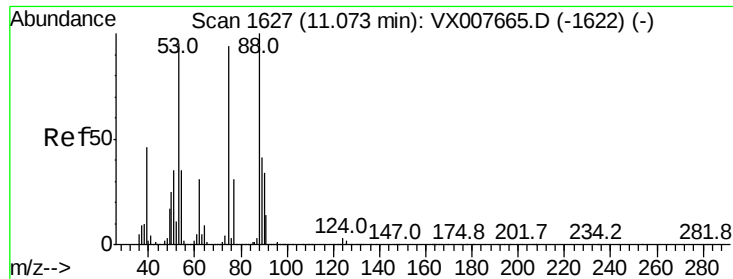
77 1.2 23.0 69.0#



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: 59.812 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007761.D

Acq: 28 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

Tot Ion: 75 Resp: 108049

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

