

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008272.D
 Acq On : 21 Mar 2019 04:31
 Operator : JC/SP
 Sample : K1912-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T3-UV(PRE)

Quant Time: Mar 22 05:42:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	311619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	513268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	427789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170626	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	218296	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.50	113	166717	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	625029	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.13	95	198506	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

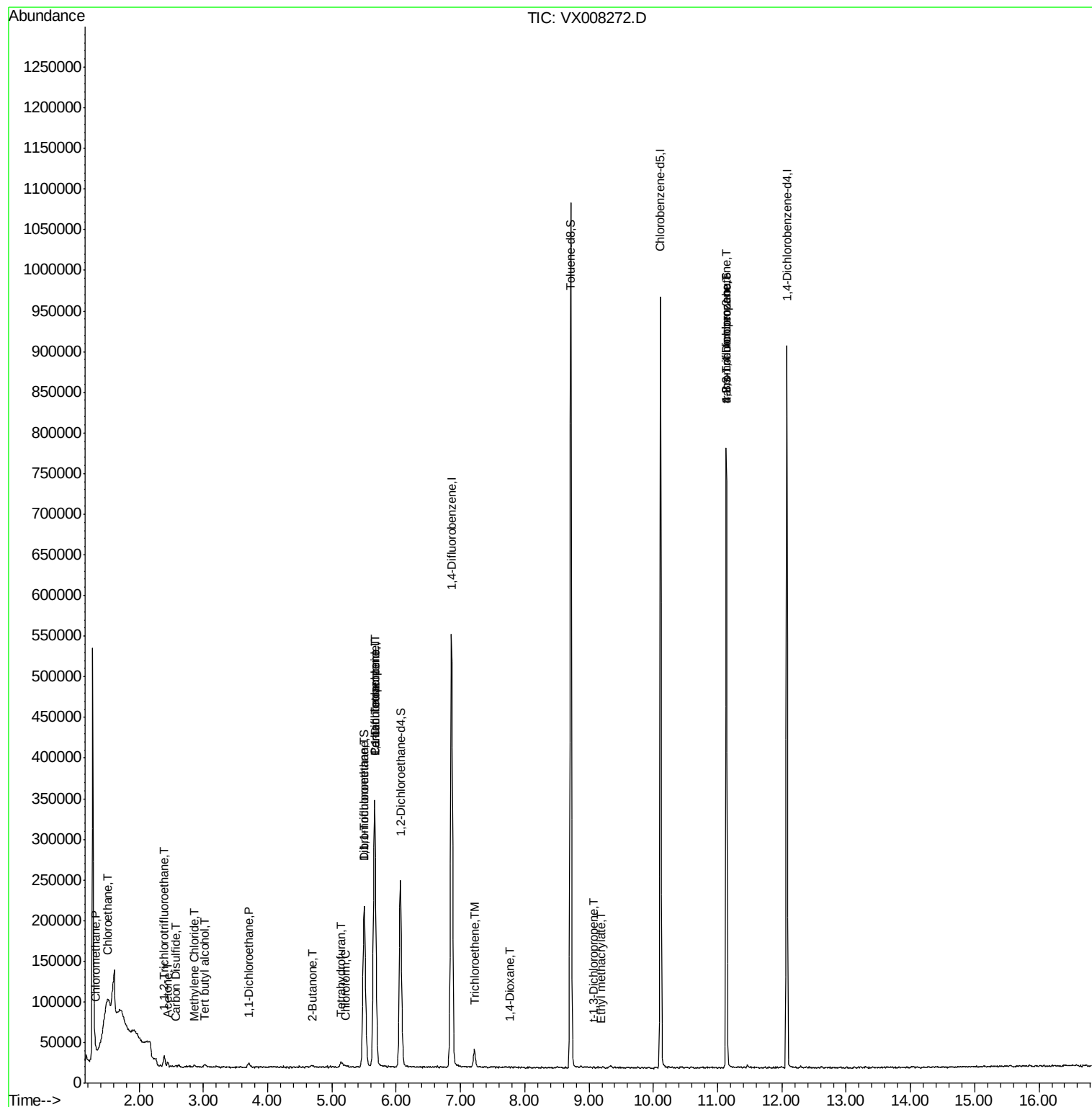
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1255	0.265	ug/l	97
6) Chloroethane	1.51	64	115830	39.084	ug/l #	52
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5945	1.484	ug/l	85
11) Tert butyl alcohol	3.03	59	1720	1.712	ug/l #	90
13) Acrolein	2.28	56	65	Below Cal	#	13
16) Acetone	2.45	43	5478	2.058	ug/l #	88
17) Carbon Disulfide	2.57	76	1119	0.765	ug/l	97
20) Methylene Chloride	2.87	84	1128	0.254	ug/l #	67
24) 1,1-Dichloroethane	3.70	63	6288	0.758	ug/l #	91
25) 2-Butanone	4.70	43	1862	0.474	ug/l	93
29) Tetrahydrofuran	5.14	42	5563	2.265	ug/l #	86
30) Chloroform	5.22	83	2088	0.269	ug/l #	84
32) 1,1,1-Trichloroethane	5.51	97	3052	0.473	ug/l #	45
36) 1,1-Dichloropropene	5.66	75	25013	4.186	ug/l #	50
38) Carbon Tetrachloride	5.66	117	30841	5.792	ug/l #	17
44) Trichloroethene	7.21	130	9072	2.098	ug/l	91
49) 1,4-Dioxane	7.76	88	220	2.071	ug/l #	30
53) t-1,3-Dichloropropene	9.06	75	170	1.445	ug/l #	43
56) Ethyl methacrylate	9.18	69	260	0.560	ug/l #	88
76) 1,2,3-Trichloropropane	11.13	75	103457	21.558	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	103457	54.815	ug/l #	12

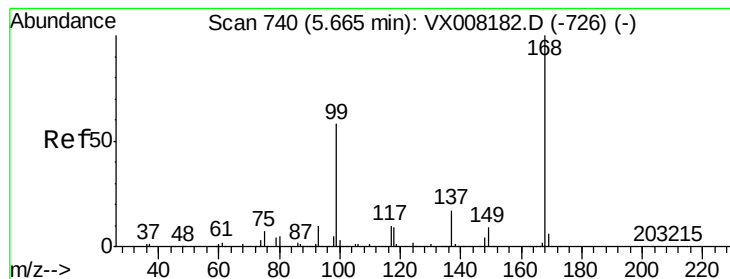
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampleId :

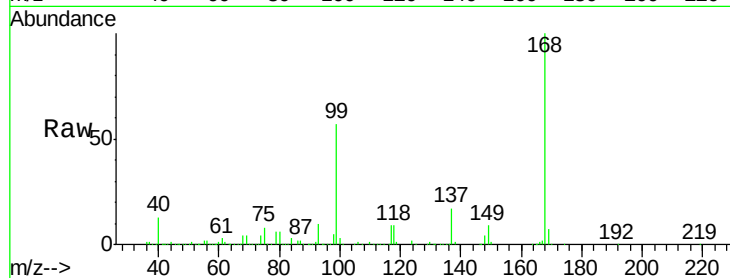
M3-T3-UV(PRE)

Tot Ion:168 Resp: 311619

Ion Ratio Lower Upper

168 100

99 56.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

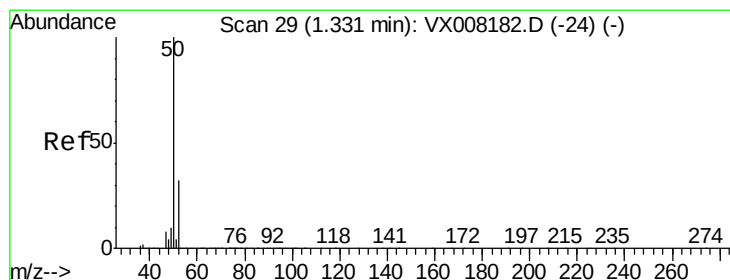
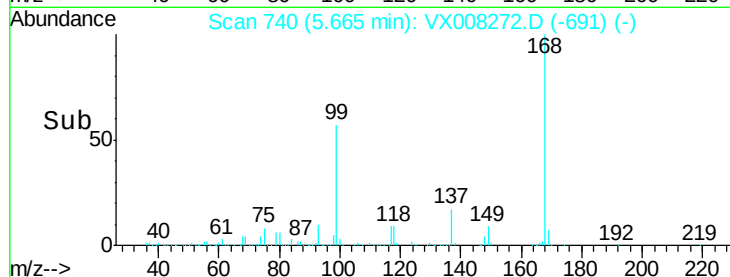
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.265 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008272.D

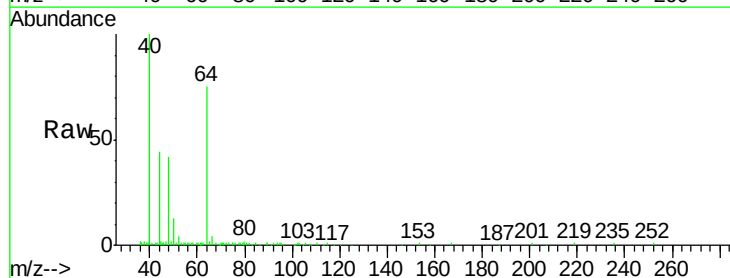
Acq: 21 Mar 2019 04:31

Tgt Ion: 50 Resp: 1255

Ion Ratio Lower Upper

50 100

52 35.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

4000

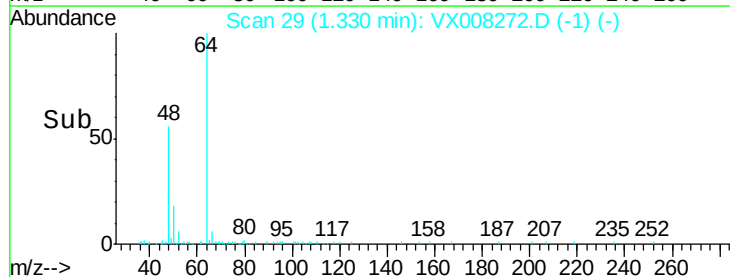
3000

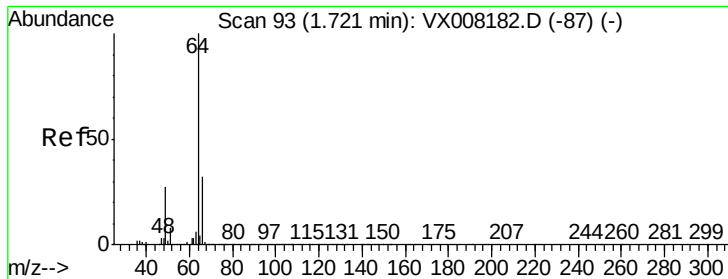
2000

1000

0

Time--> 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 39.084 ug/l

RT: 1.51 min Scan# 59

Delta R.T. -0.21 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampleId :

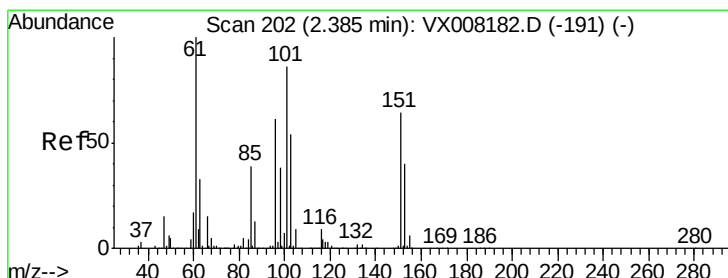
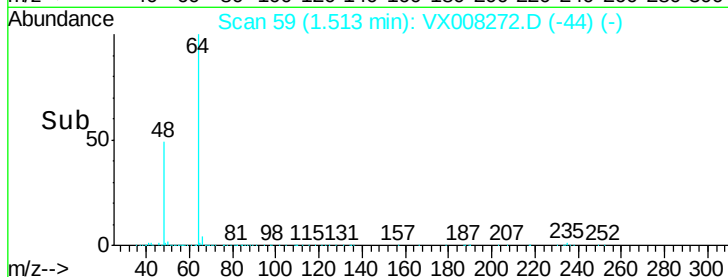
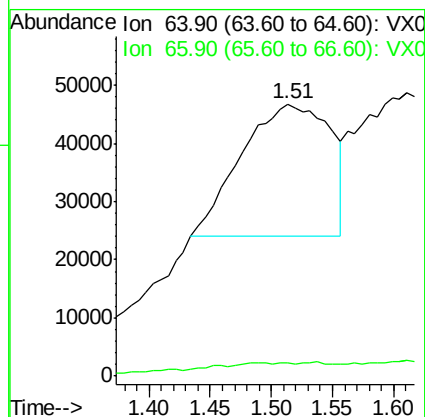
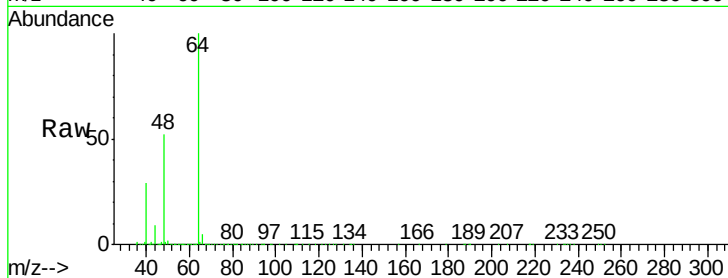
M3-T3-UV(PRE)

Tot Ion: 64 Resp: 115830

Ion Ratio Lower Upper

64 100

66 4.9 25.2 37.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.484 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

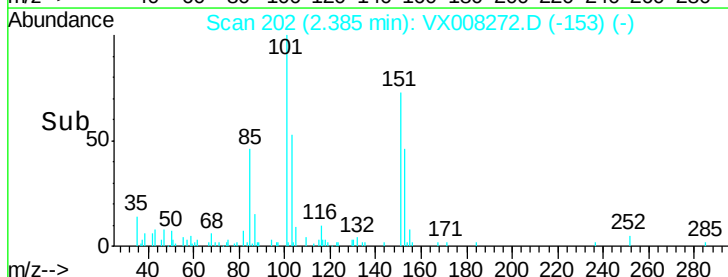
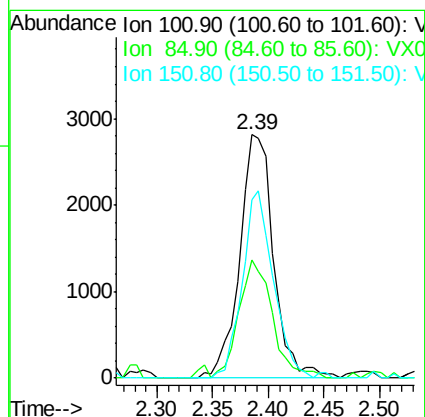
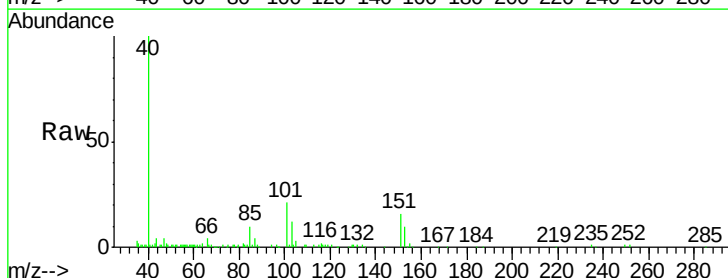
Tgt Ion:101 Resp: 5945

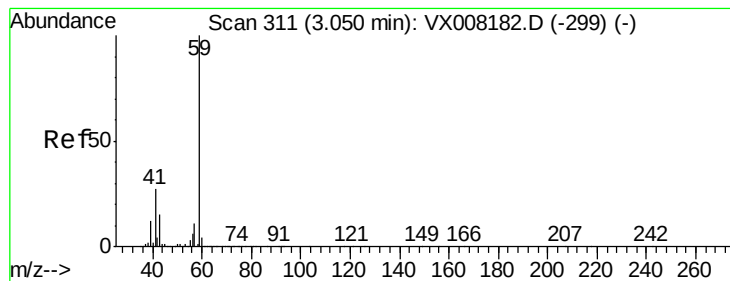
Ion Ratio Lower Upper

101 100

85 48.5 33.8 50.6

151 70.6 69.1 103.7



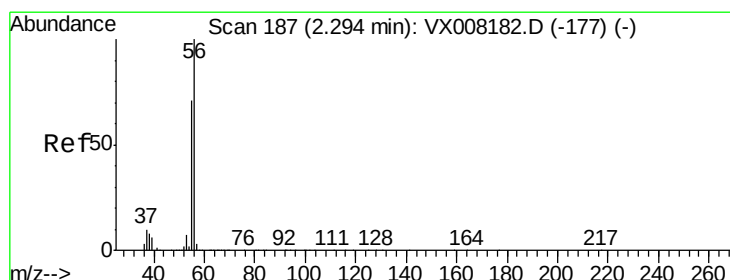
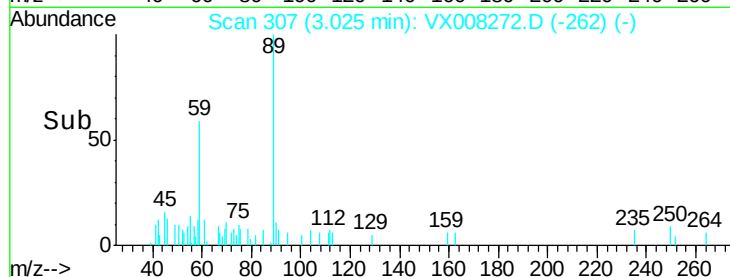
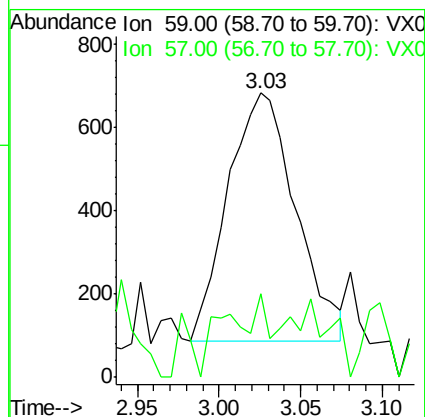
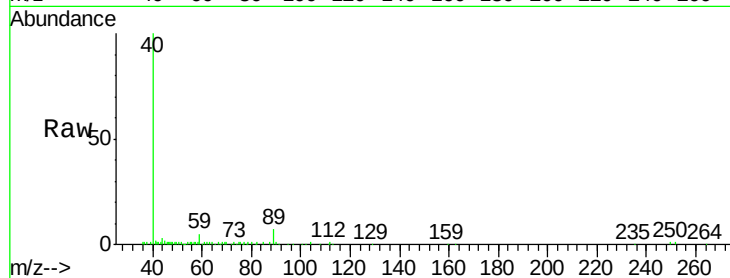


#11

Tert butyl alcohol
 Concen: 1.712 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX008272.D
 Acq: 21 Mar 2019 04:31

Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T3-UV(PRE)

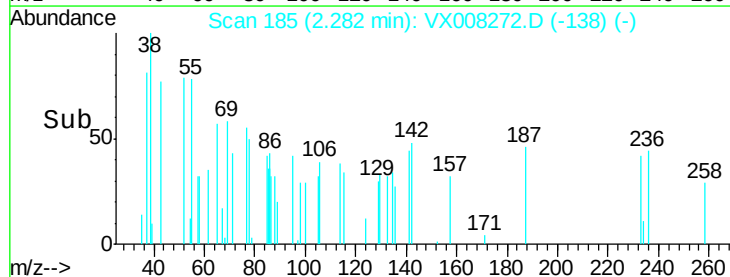
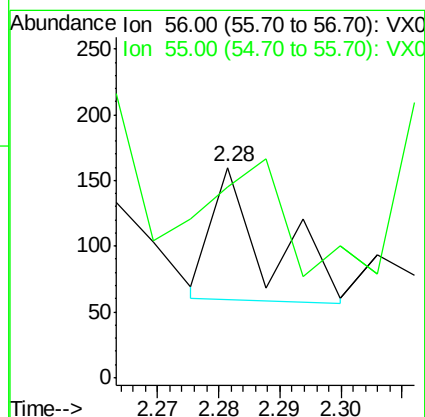
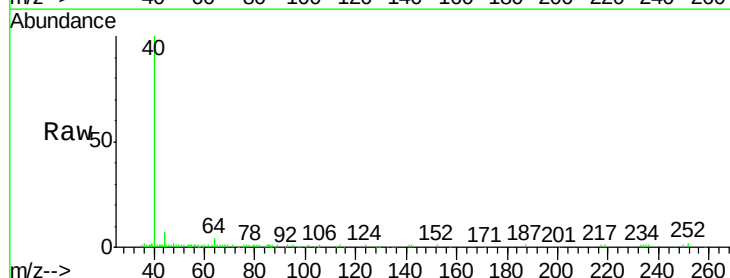
Tot Ion: 59 Resp: 1720
 Ion Ratio Lower Upper
 59 100
 57 13.9 8.2 12.2#

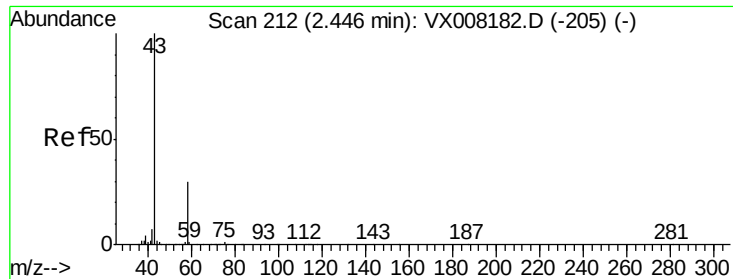


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX008272.D
 Acq: 21 Mar 2019 04:31

Tgt Ion: 56 Resp: 65
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#16

Acetone

Concen: 2.058 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampleId :

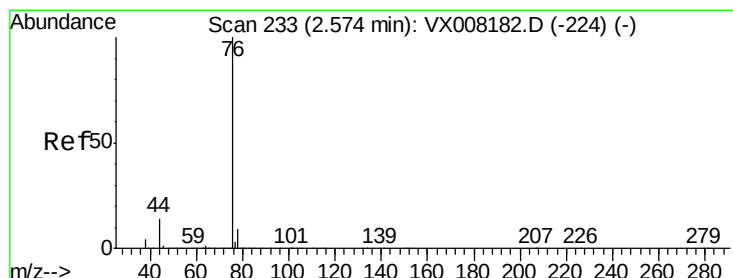
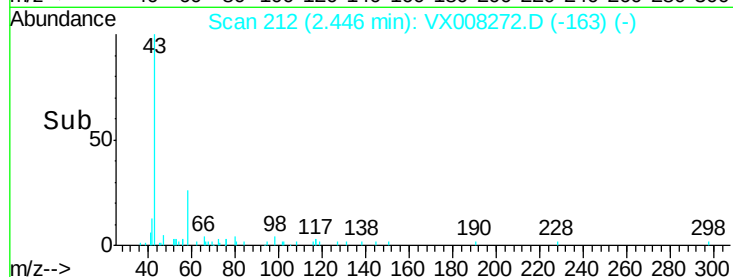
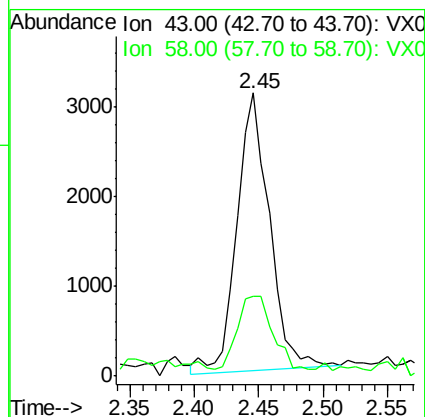
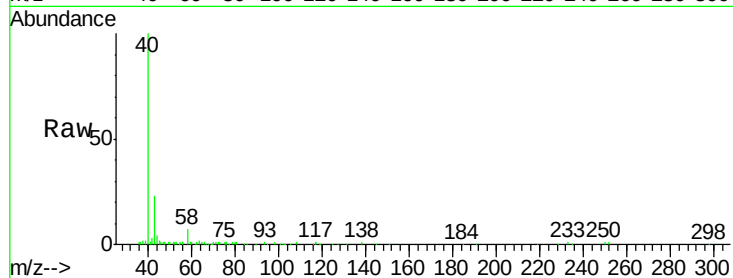
M3-T3-UV(PRE)

Tot Ion: 43 Resp: 5478

Ion Ratio Lower Upper

43 100

58 25.5 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.765 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008272.D

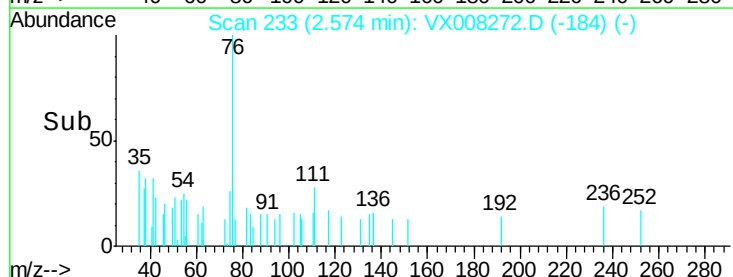
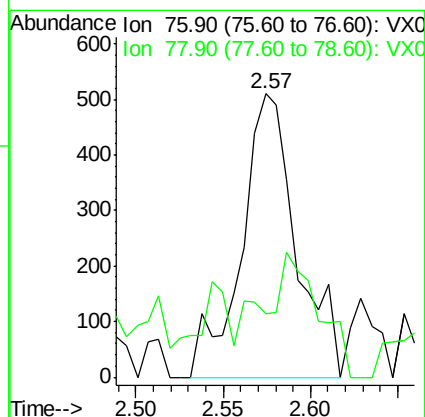
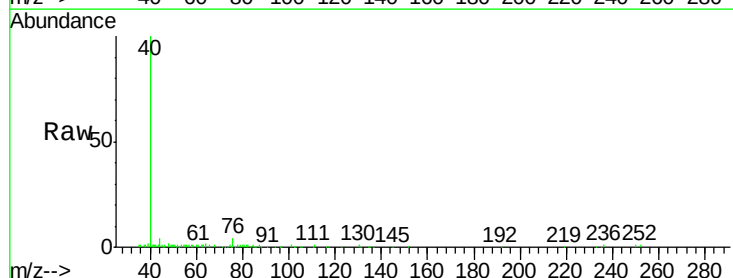
Acq: 21 Mar 2019 04:31

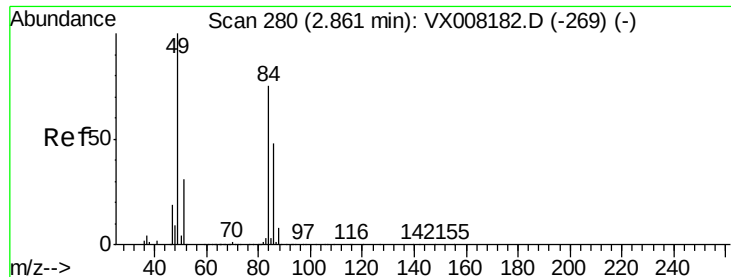
Tgt Ion: 76 Resp: 1119

Ion Ratio Lower Upper

76 100

78 7.8 7.2 10.8

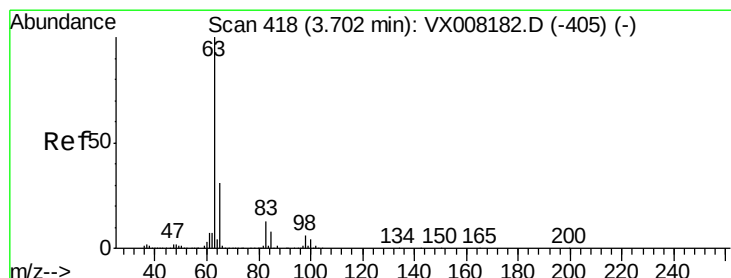
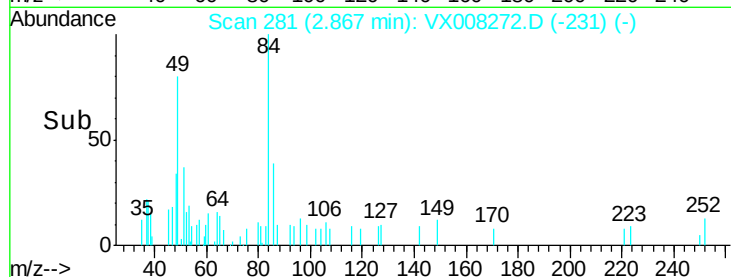
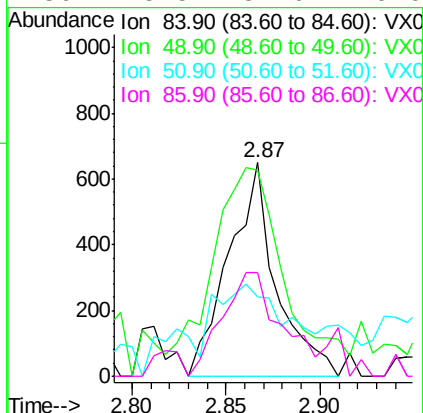
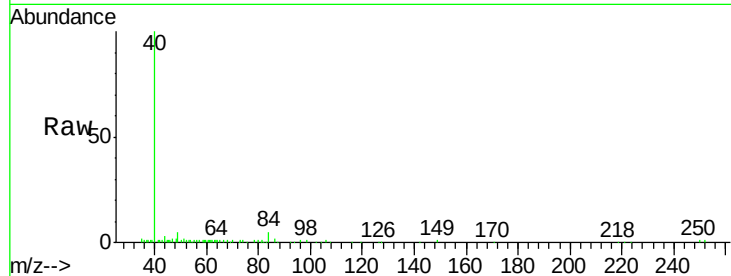




#20
Methylene Chloride
Concen: 0.254 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

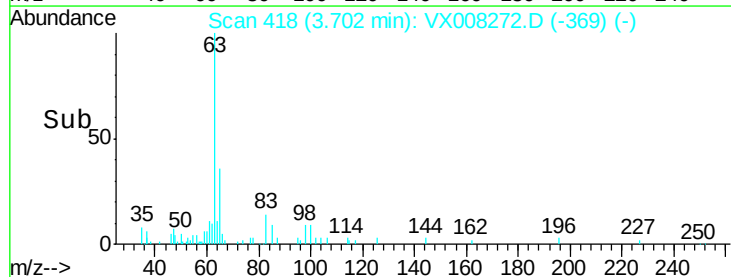
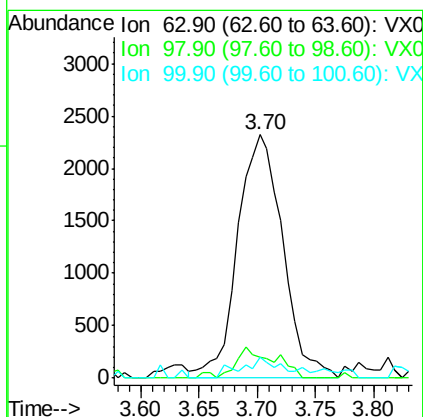
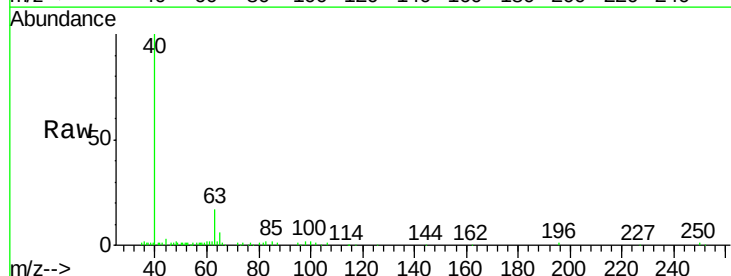
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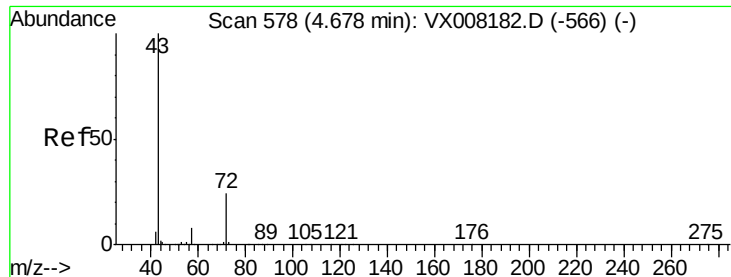
Tot Ion: 84 Resp: 1128
Ion Ratio Lower Upper
84 100
49 79.2 99.3 148.9#
51 18.8 31.3 46.9#
86 48.5 52.6 79.0#



#24
1,1-Dichloroethane
Concen: 0.758 ug/l
RT: 3.70 min Scan# 418
Delta R.T. -0.00 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Tgt Ion: 63 Resp: 6288
Ion Ratio Lower Upper
63 100
98 8.7 3.3 9.8
100 8.8 2.3 6.8#

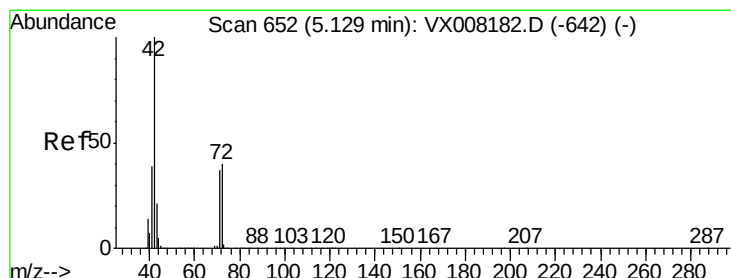
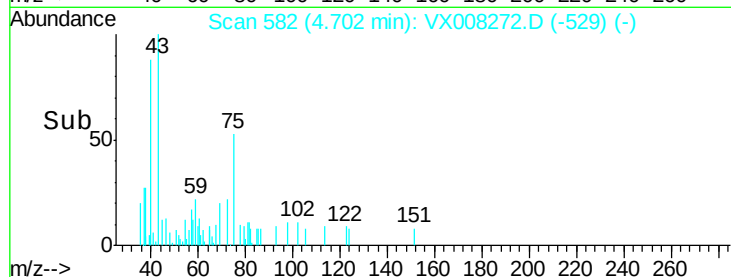
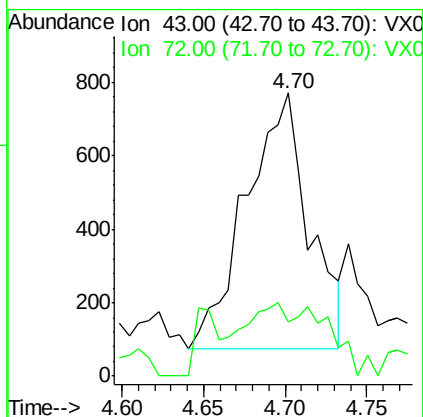
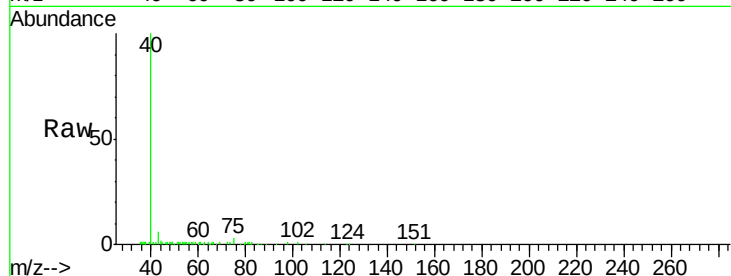




#25
2-Butanone
Concen: 0.474 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.02 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

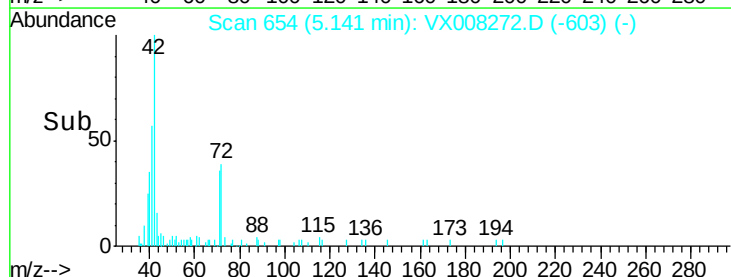
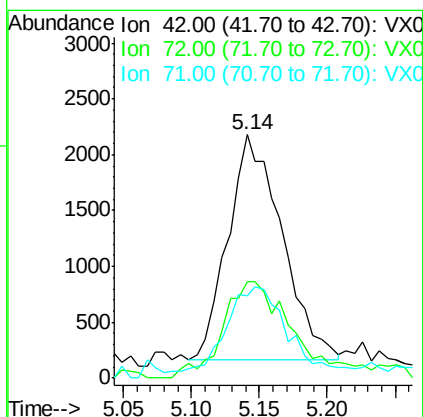
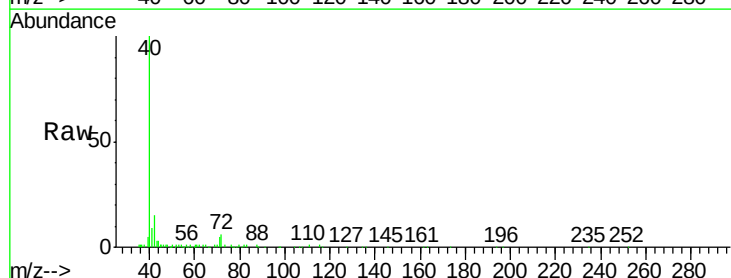
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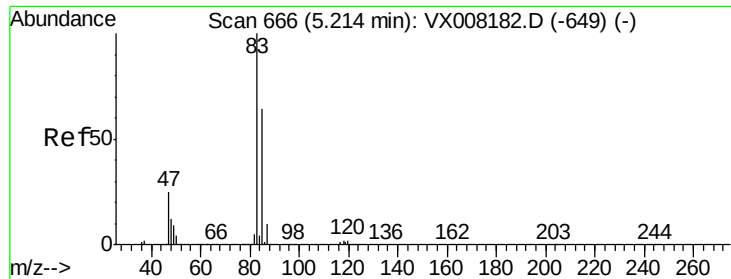
Tot Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
72 21.3 19.9 29.9



#29
Tetrahydrofuran
Concen: 2.265 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Tgt Ion: 42 Resp: 5563
Ion Ratio Lower Upper
42 100
72 56.0 33.8 50.6#
71 42.4 31.5 47.3

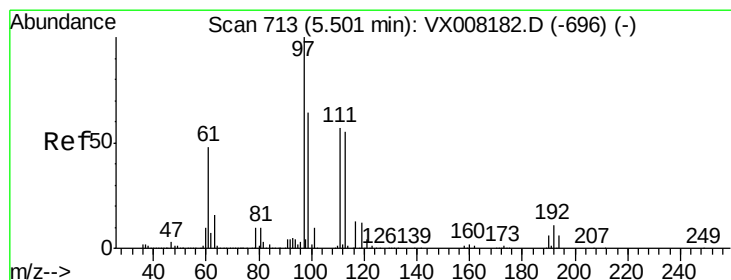
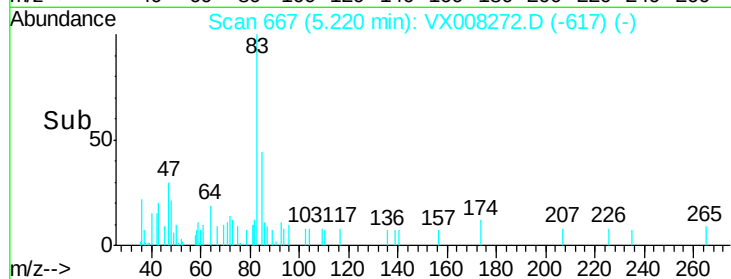
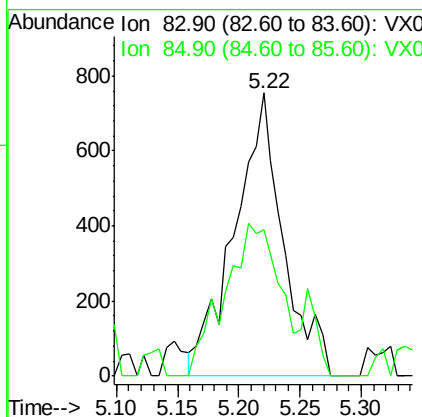
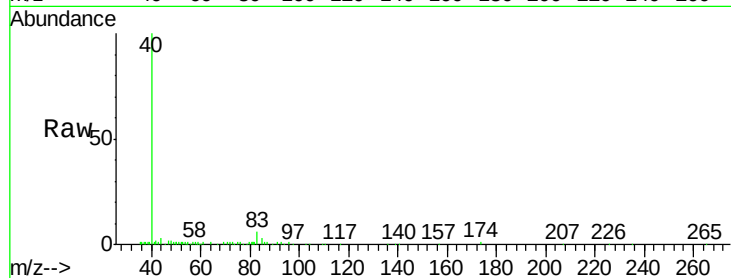




#30
Chloroform
Concen: 0.269 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

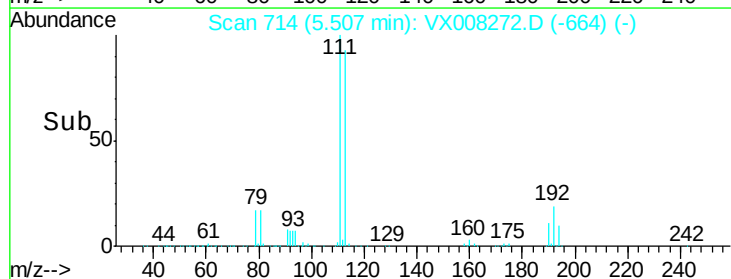
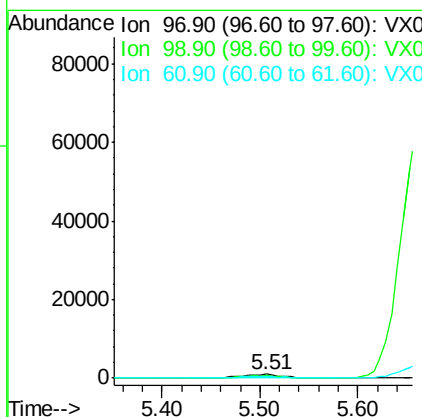
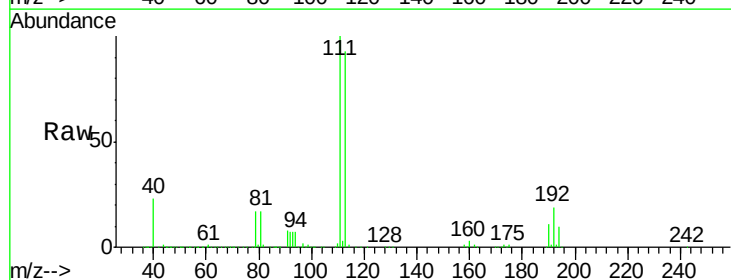
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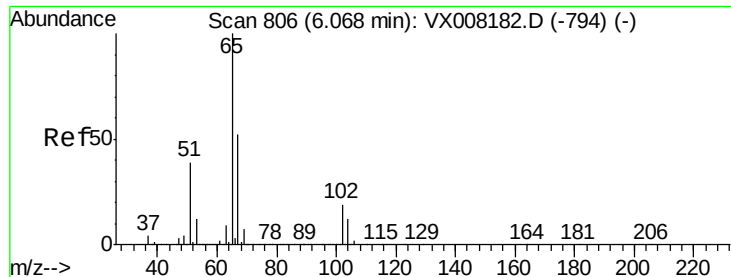
Tot Ion: 83 Resp: 2088
Ion Ratio Lower Upper
83 100
85 51.7 51.8 77.6#



#32
1,1,1-Trichloroethane
Concen: 0.473 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Tgt Ion: 97 Resp: 3052
Ion Ratio Lower Upper
97 100
99 0.0 52.2 78.2#
61 34.1 34.9 52.3#

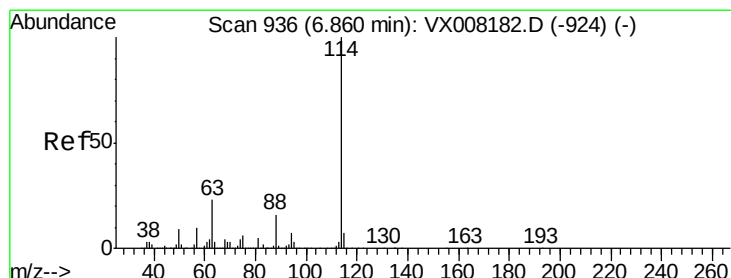
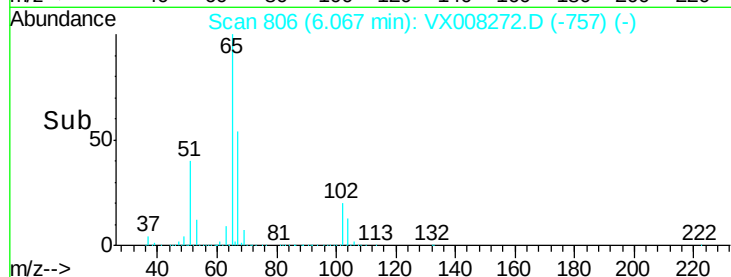
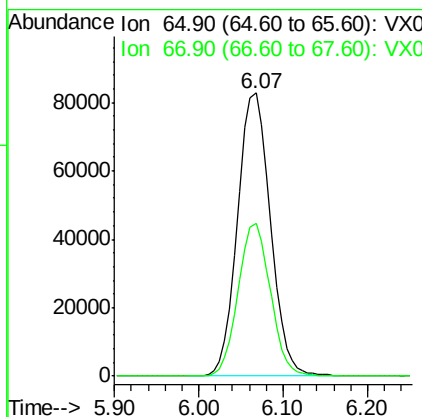
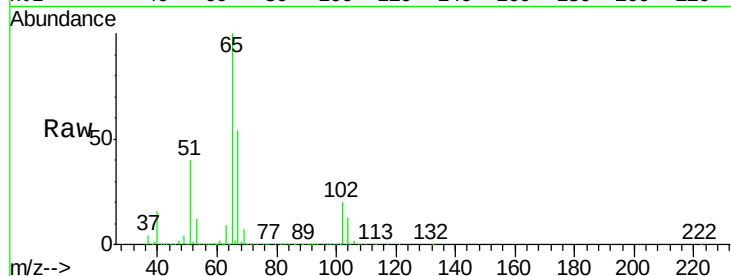




#33
 1,2-Dichloroethane-d4
 Concen: 46.513 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008272.D
 Acq: 21 Mar 2019 04:31

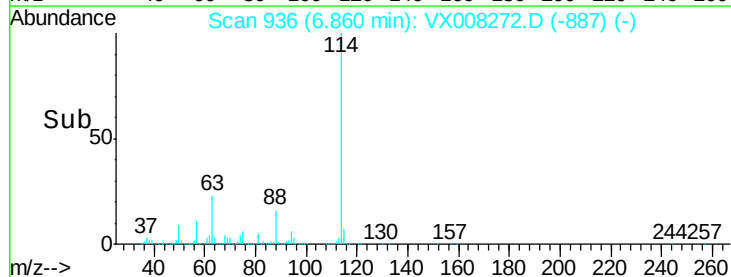
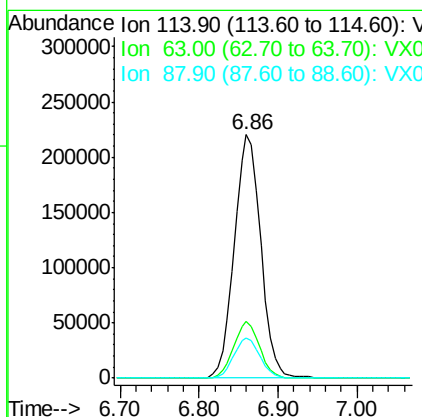
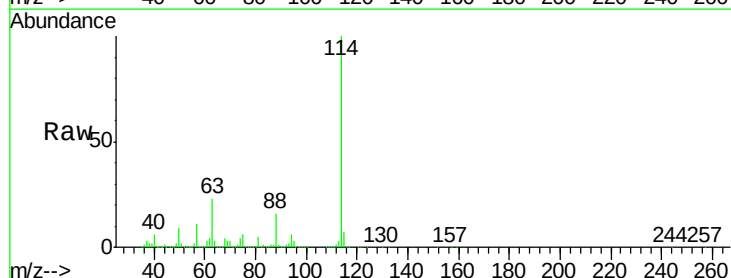
Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T3-UV(PRE)

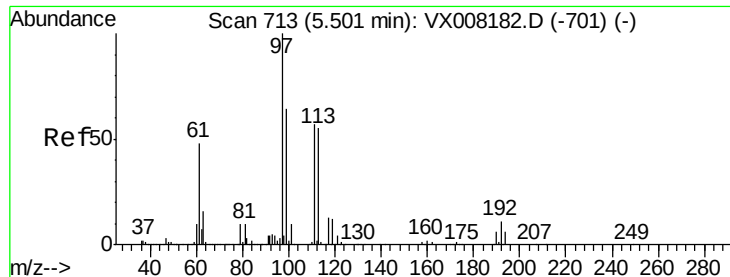
Tot Ion: 65 Resp: 218296
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008272.D
 Acq: 21 Mar 2019 04:31

Tgt Ion: 114 Resp: 513268
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 39.8
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.521 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampleId :

M3-T3-UV(PRE)

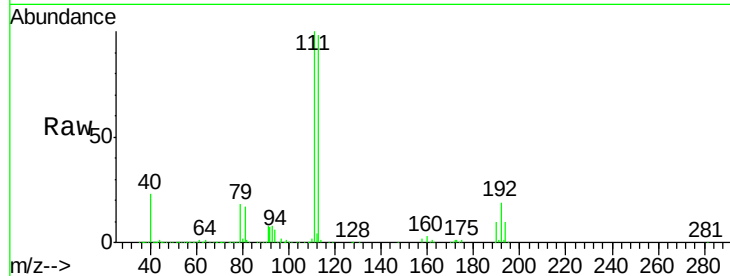
Tot Ion:113 Resp: 166717

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

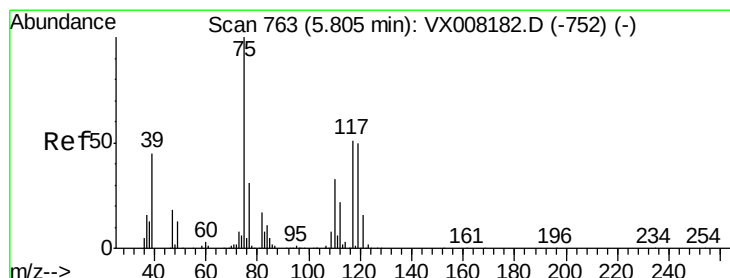
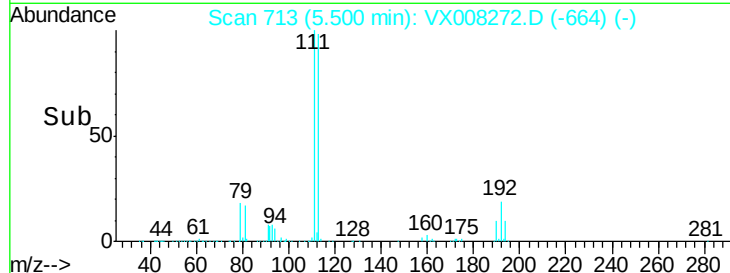
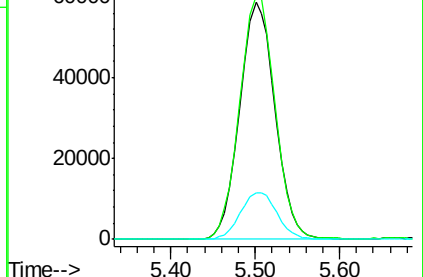
192 20.5 19.4 29.0



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: 4.186 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

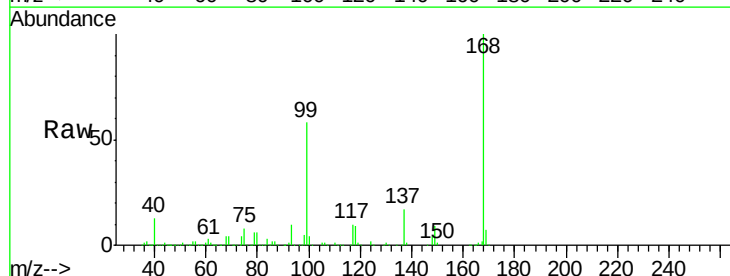
Tgt Ion: 75 Resp: 25013

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.0#

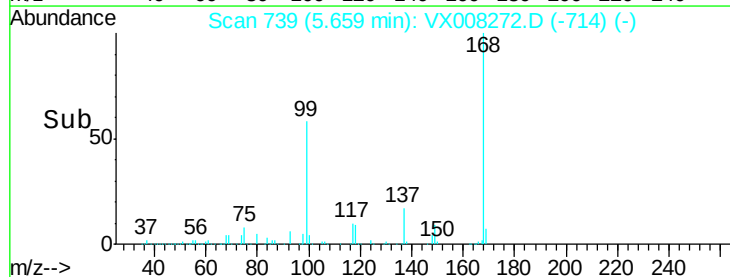
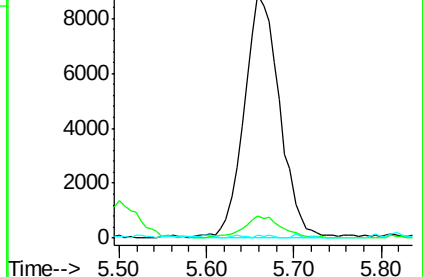
77 0.5 25.0 37.4#

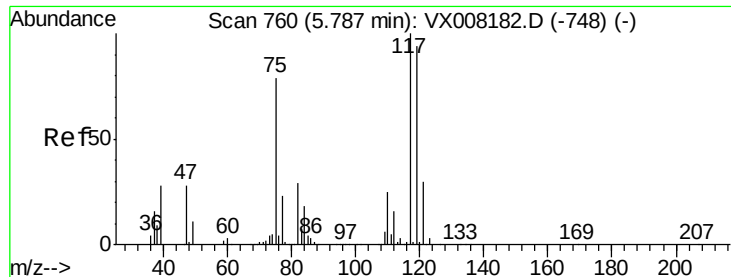


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.792 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampled :

M3-T3-UV(PRE)

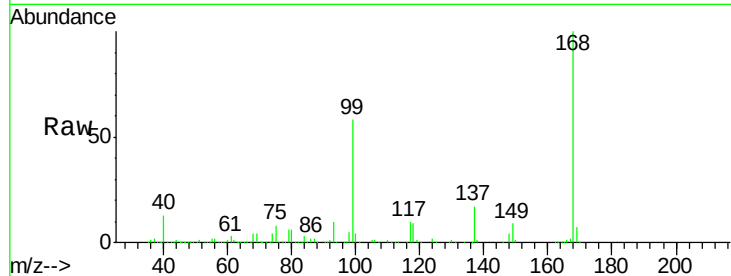
Tot Ion:117 Resp: 30841

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

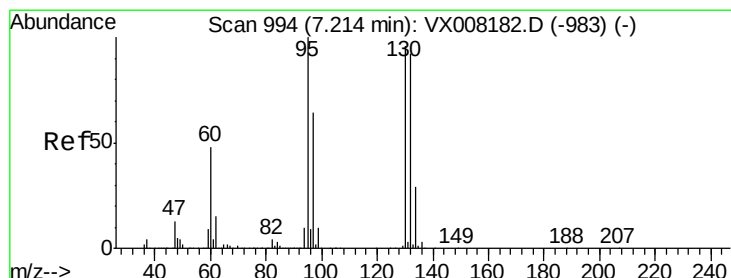
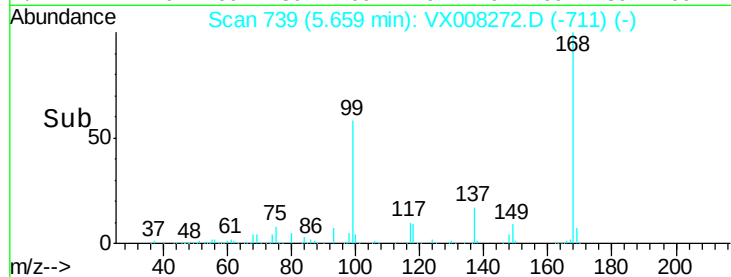
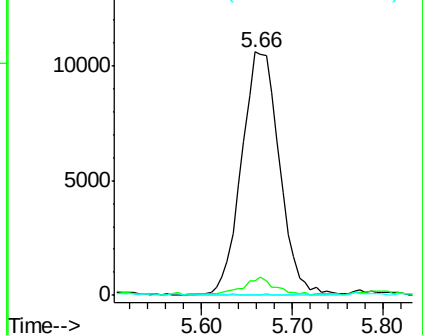
121 0.0 24.6 36.8#



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: 2.098 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008272.D

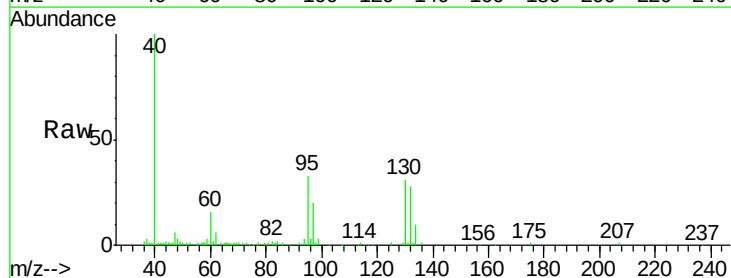
Acq: 21 Mar 2019 04:31

Tgt Ion:130 Resp: 9072

Ion Ratio Lower Upper

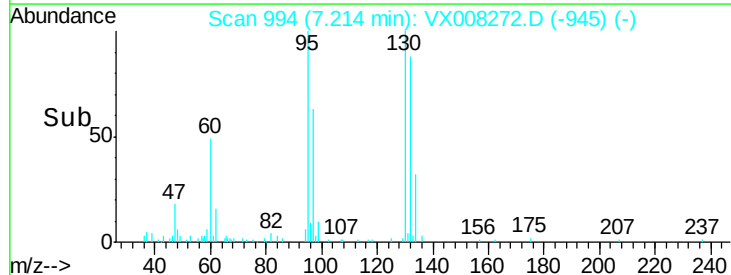
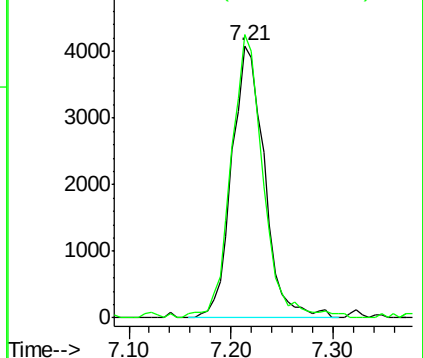
130 100

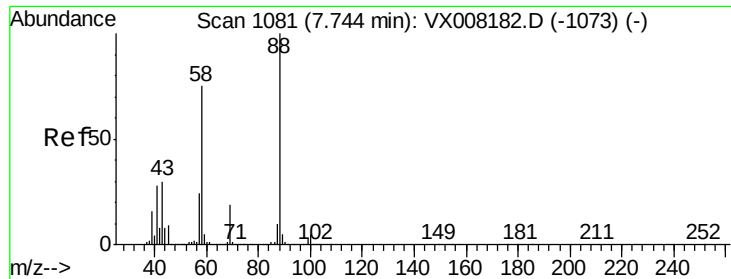
95 102.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

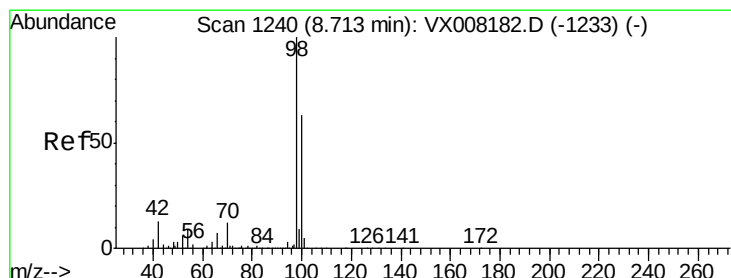
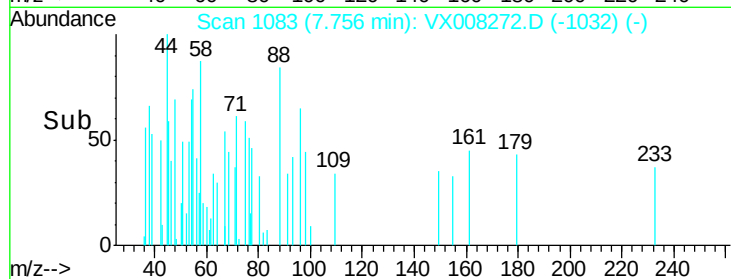
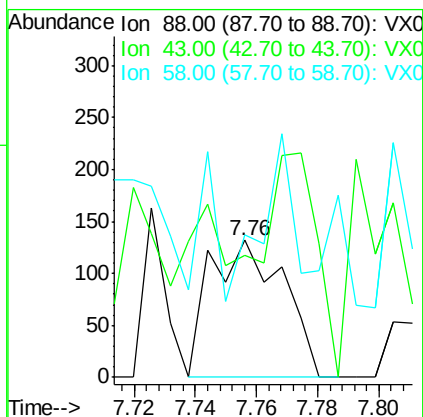
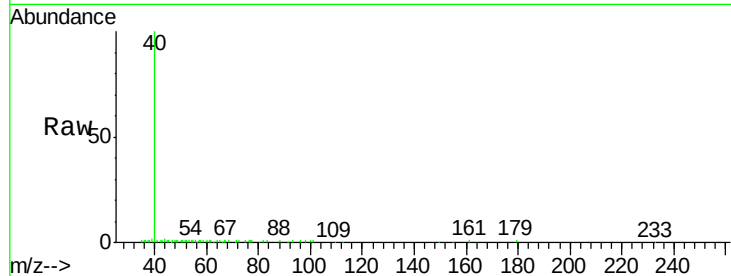




#49
1,4-Dioxane
Concen: 2.071 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

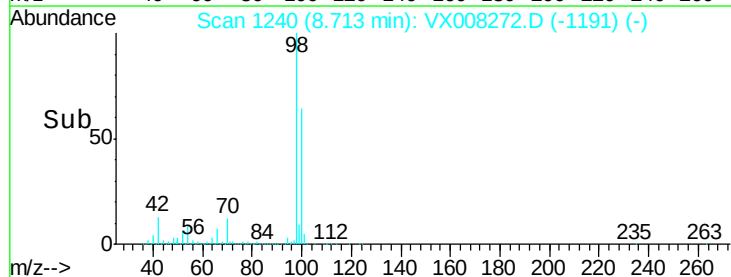
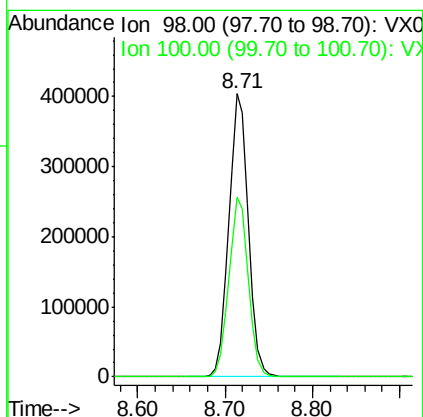
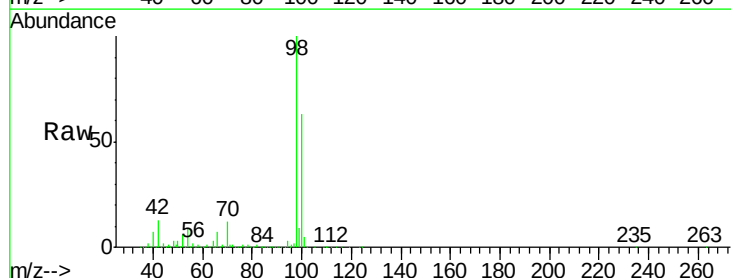
Instrument :
MSVOA_X
ClientSampleId :
M3-T3-UV(PRE)

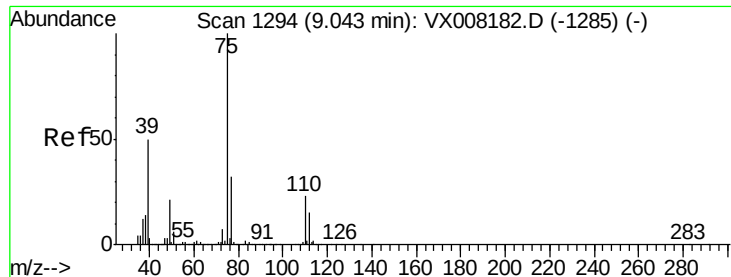
Tot Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 49.5 25.1 37.7#
58 0.0 57.8 86.6#



#50
Toluene-d8
Concen: 47.979 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Tgt Ion: 98 Resp: 625029
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.445 ug/l

RT: 9.06 min Scan# 1297

Delta R.T. 0.02 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampleId :

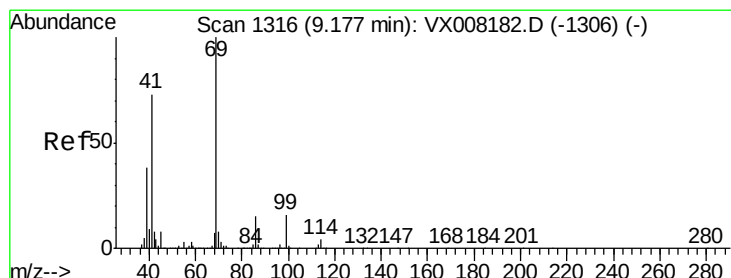
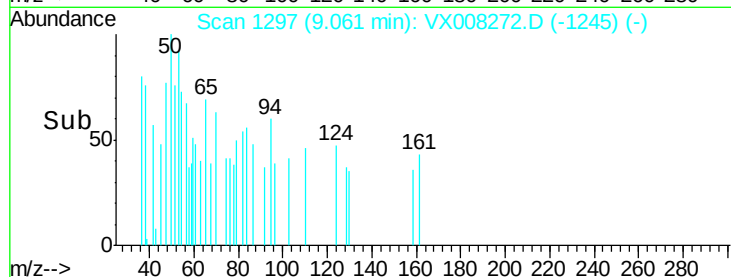
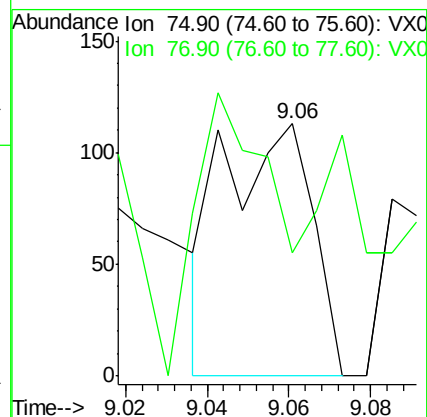
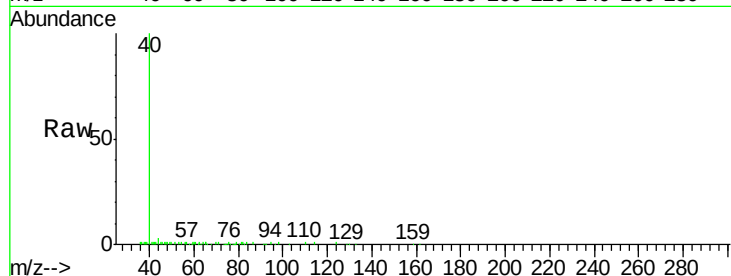
M3-T3-UV(PRE)

Tot Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.560 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

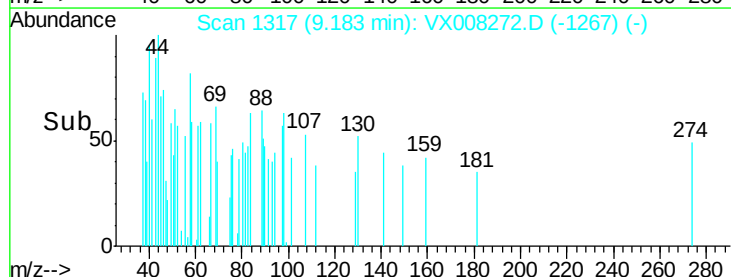
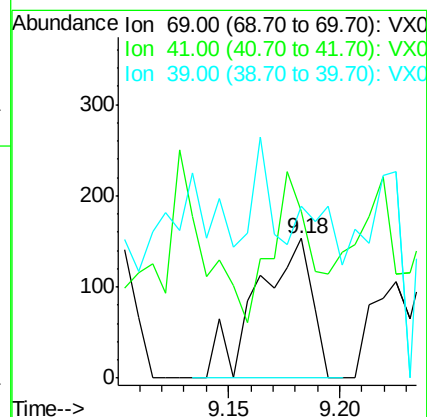
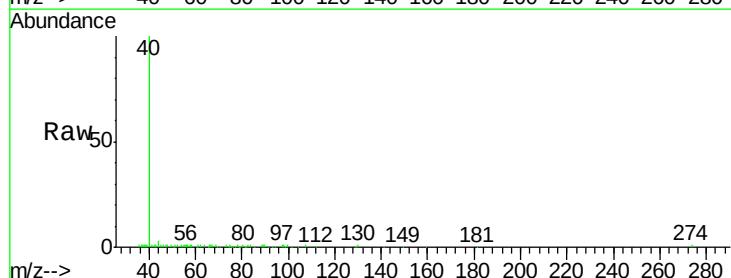
Tgt Ion: 69 Resp: 260

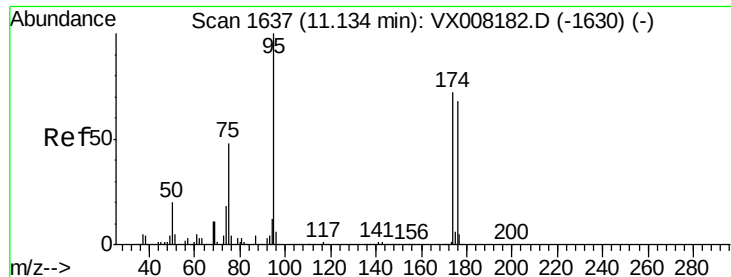
Ion Ratio Lower Upper

69 100

41 75.4 54.2 81.4

39 21.9 25.0 37.4#

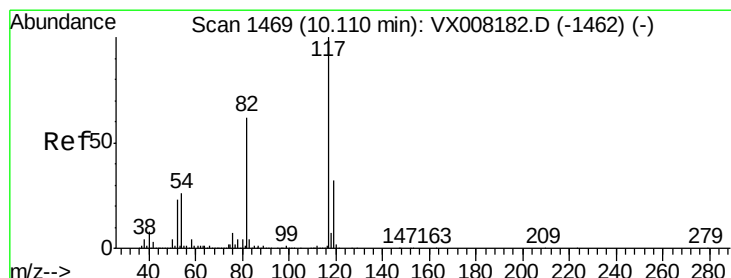
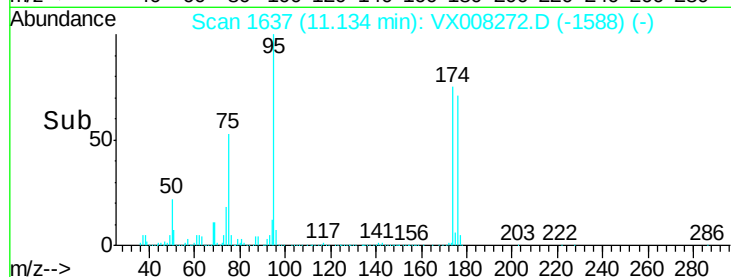
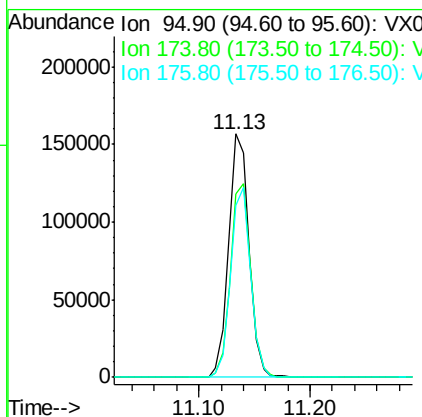
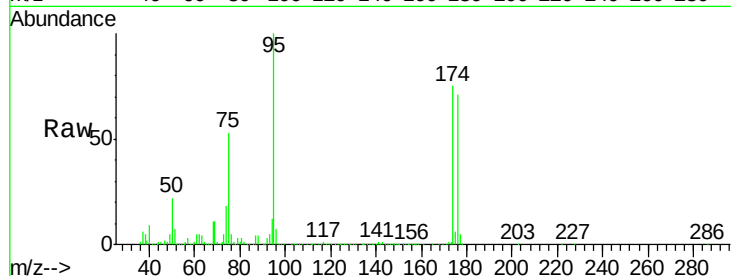




#62
4-Bromofluorobenzene
Concen: 44.255 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

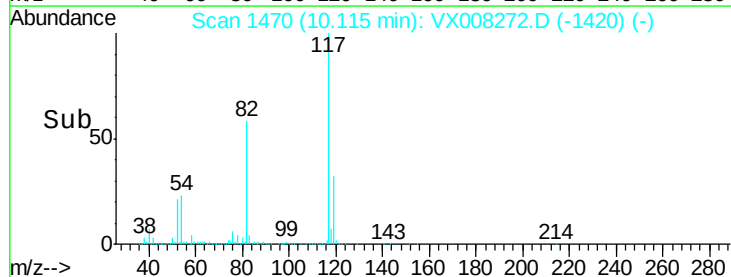
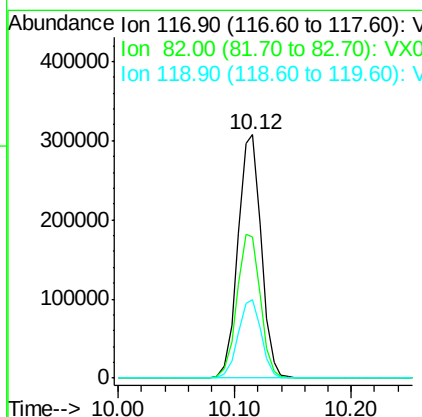
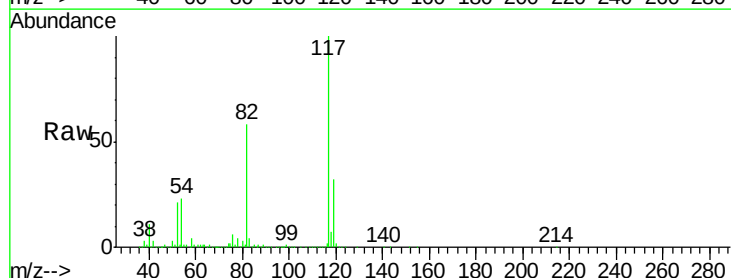
Instrument :
MSVOA_X
ClientSampleId :
M3-T3-UV(PRE)

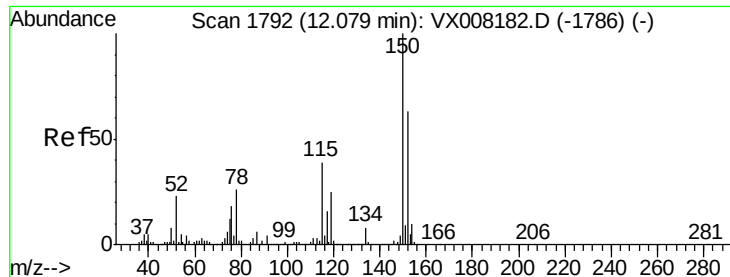
Tot Ion	95	Resp	198506
Ion Ratio	100		
174	79.6	0.0	182.8
176	76.4	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Tgt Ion	117	Resp	427789
Ion Ratio	100		
82	58.1	44.3	66.5
119	32.5	25.3	37.9



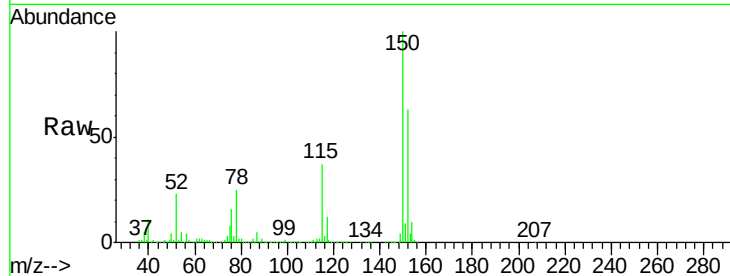


#72

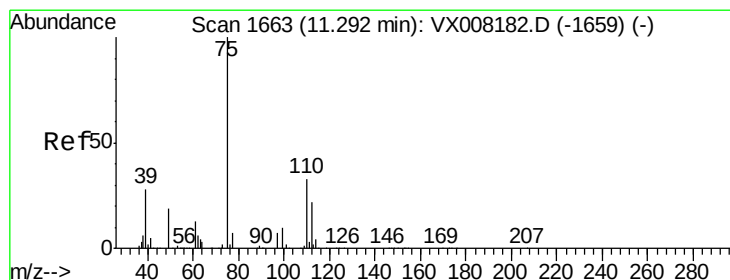
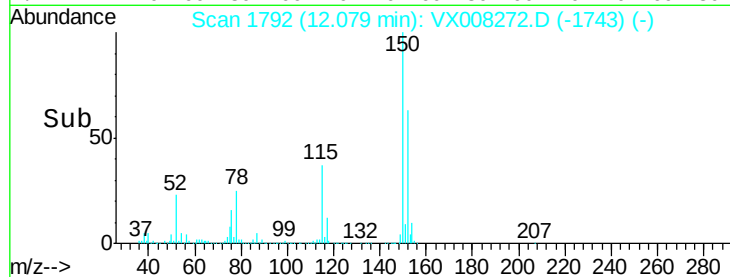
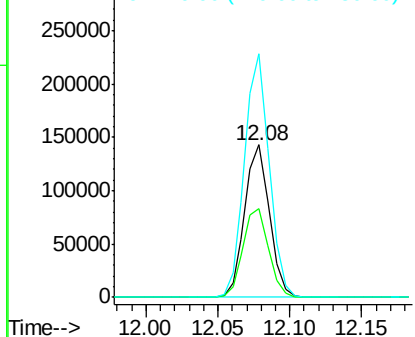
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Instrument :
MSVOA_X
ClientSampleId :
M3-T3-UV(PRE)

Tot Ion:152 Resp: 170626
Ion Ratio Lower Upper
152 100
115 60.5 38.6 115.7
150 159.1 0.0 348.4



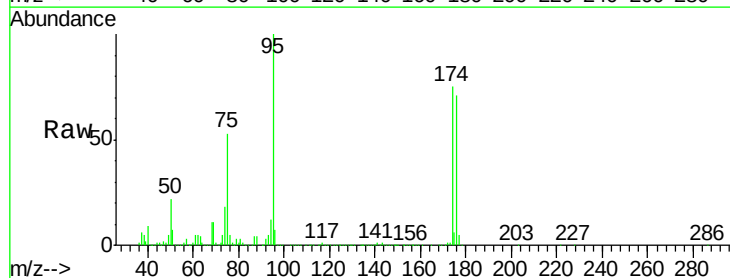
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



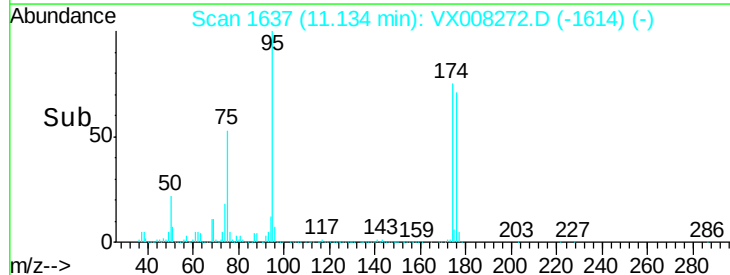
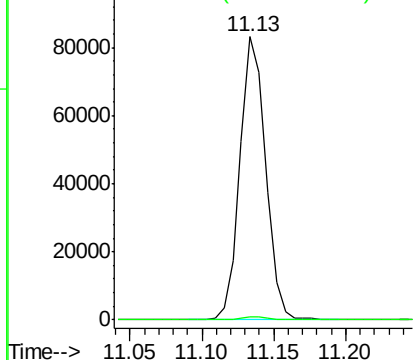
#76

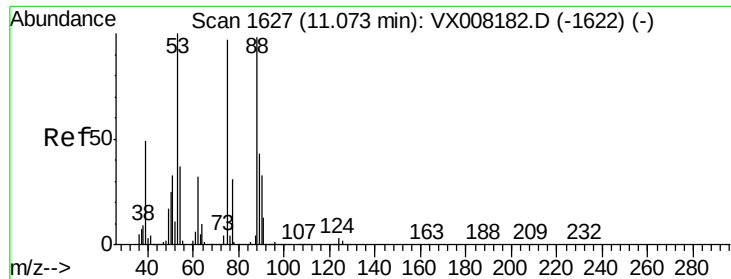
1,2,3-Trichloropropane
Concen: 21.558 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008272.D
Acq: 21 Mar 2019 04:31

Tgt Ion: 75 Resp: 103457
Ion Ratio Lower Upper
75 100
77 1.3 18.9 56.7#



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: 54.815 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008272.D

Acq: 21 Mar 2019 04:31

Instrument :

MSVOA_X

ClientSampleId :

M3-T3-UV(PRE)

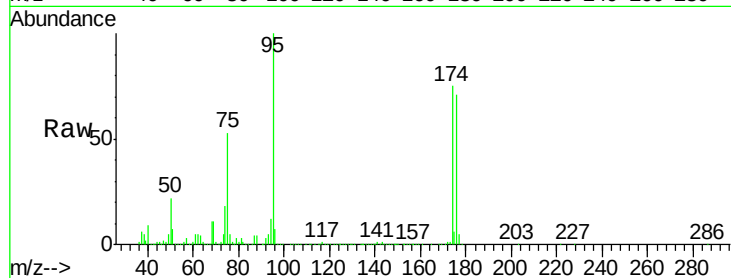
Tot Ion: 75 Resp: 103457

Ion Ratio Lower Upper

75 100

53 0.5 76.1 114.1#

89 0.0 36.3 54.5#



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

