

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX008000.D
 Acq On : 12 Mar 2019 07:34
 Operator : JC/SP
 Sample : K1828-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW04D-M20W2-030519

Quant Time: Mar 12 08:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	364668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176560	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	133620	51.16	ug/l	0.00
Spiked Amount						
			Recovery	=	102.32%	
35) Dibromofluoromethane	5.50	113	123830	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
50) Toluene-d8	8.71	98	463475	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.13	95	169868	53.55	ug/l	0.00
Spiked Amount						
			Recovery	=	107.10%	

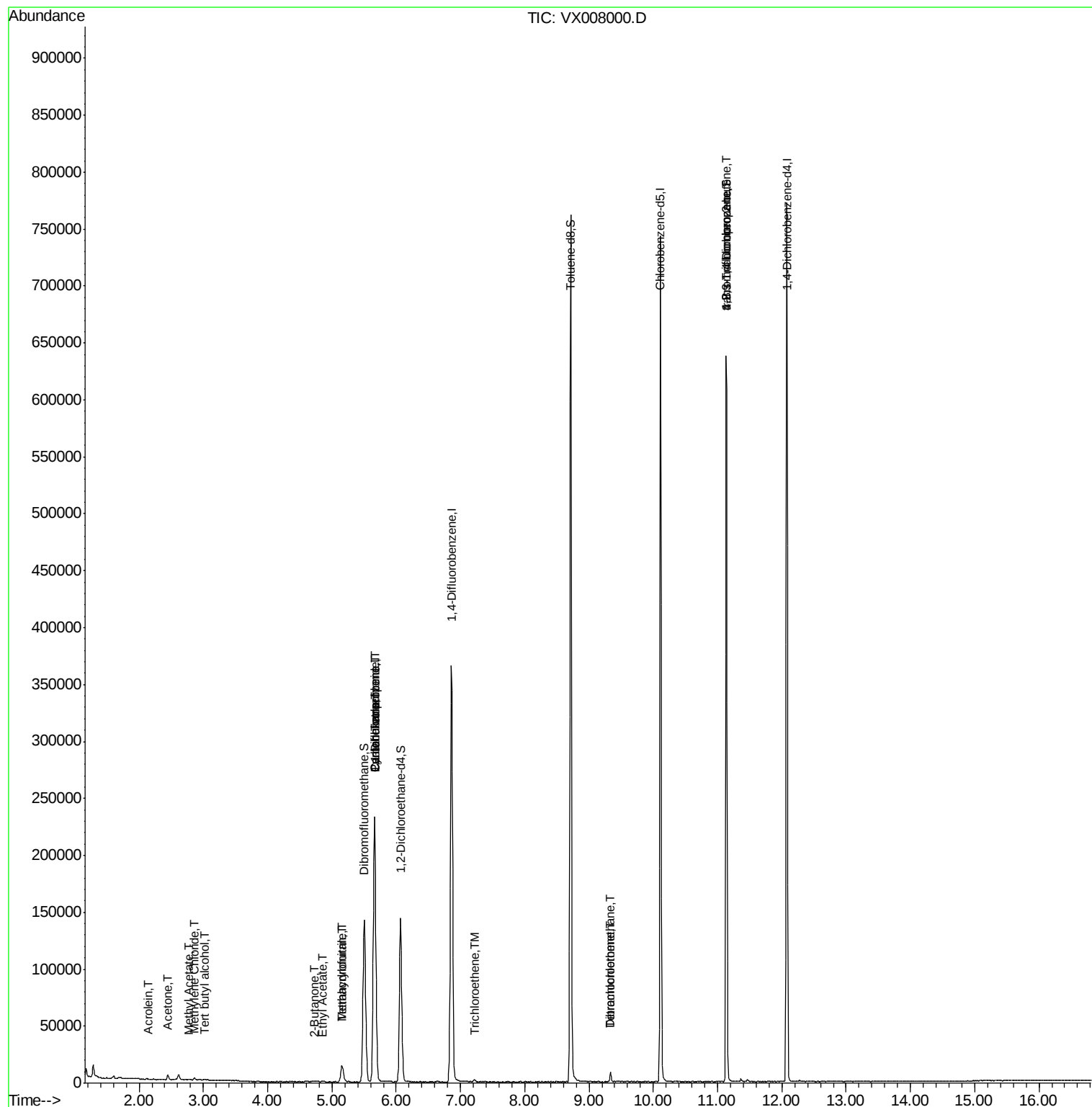
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	304	Below Cal		81
11) Tert butyl alcohol	3.01	59	296	0.507	ug/l #	73
13) Acrolein	2.14	56	24	1.614	ug/l #	13
16) Acetone	2.45	43	4915	3.251	ug/l	96
17) Carbon Disulfide	2.57	76	618	Below Cal	#	58
18) Methyl Acetate	2.78	43	769	0.239	ug/l #	77
20) Methylene Chloride	2.86	84	575	0.239	ug/l #	95
25) 2-Butanone	4.72	43	580	0.271	ug/l #	50
29) Tetrahydrofuran	5.16	42	13611	10.195	ug/l	99
31) Cyclohexane	5.67	56	3585	0.893	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15074	4.323	ug/l #	49
37) Ethyl Acetate	4.86	43	1000	0.242	ug/l #	74
38) Carbon Tetrachloride	5.67	117	20981	6.338	ug/l #	17
41) Methacrylonitrile	5.15	41	7777	3.447	ug/l #	46
44) Trichloroethene	7.23	130	773	0.270	ug/l	76
60) Dibromochloromethane	9.33	129	1481	0.552	ug/l #	11
64) Tetrachloroethene	9.34	164	1791	0.593	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	78153	21.094	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78153	67.427	ug/l #	11

(#) = 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: VX008000.D

Acq: 12 Mar 2019 07:34

Instrument :

MSVOA_X

ClientSampleId :

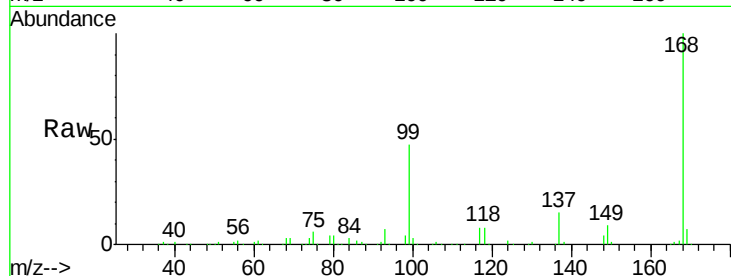
CPA-CPMW04D-M20W2-030519

Tot Ion:168 Resp: 247593

Ion Ratio Lower Upper

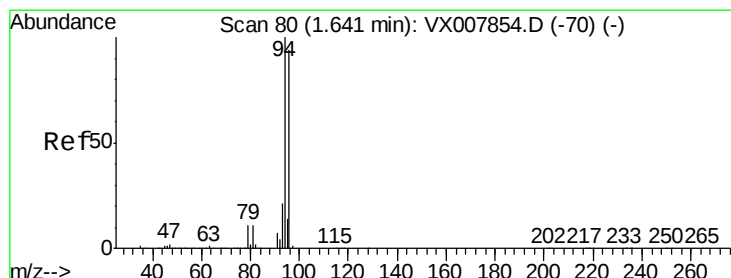
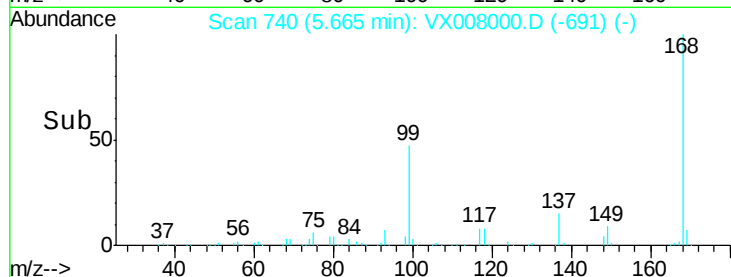
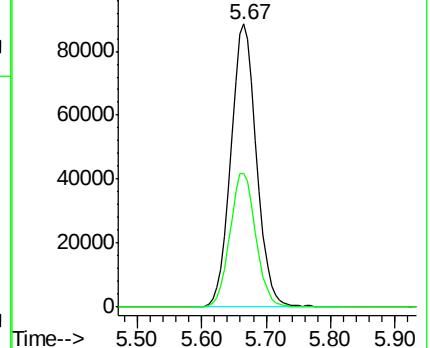
168 100

99 47.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008000.D

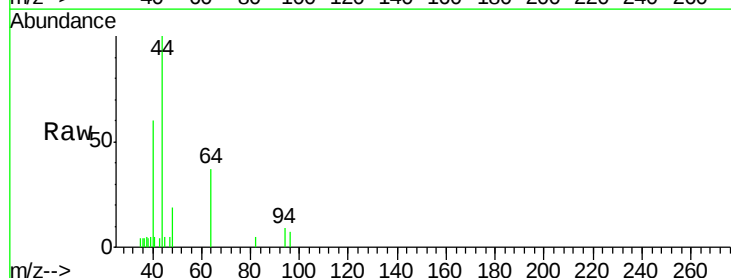
Acq: 12 Mar 2019 07:34

Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

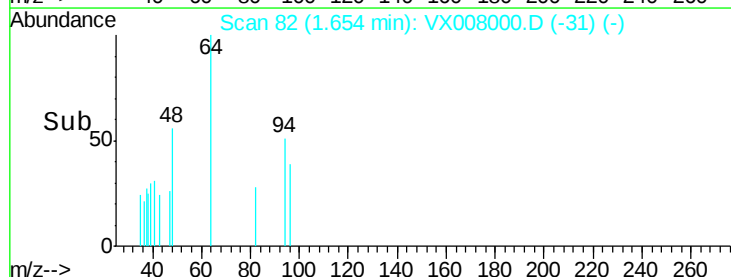
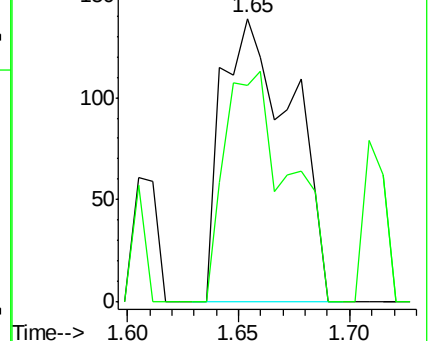
94 100

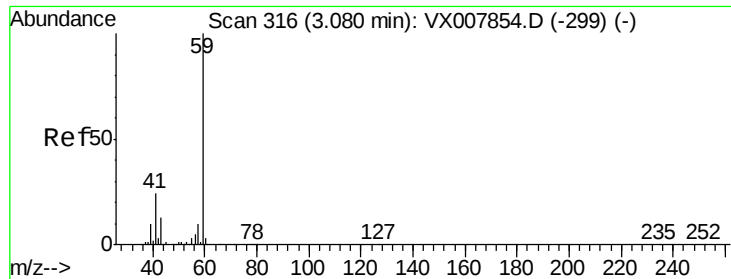
96 76.3 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

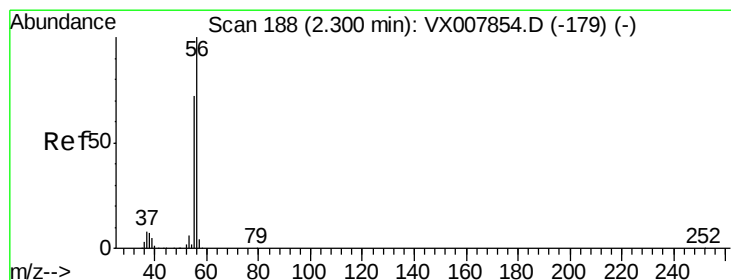
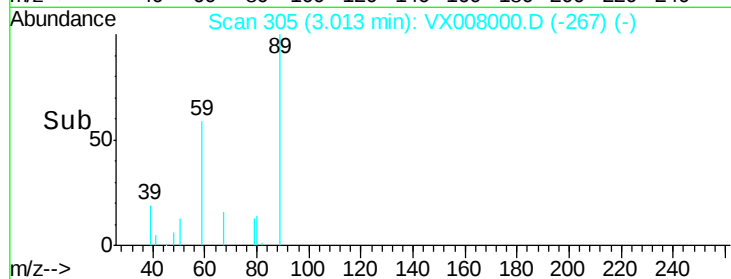
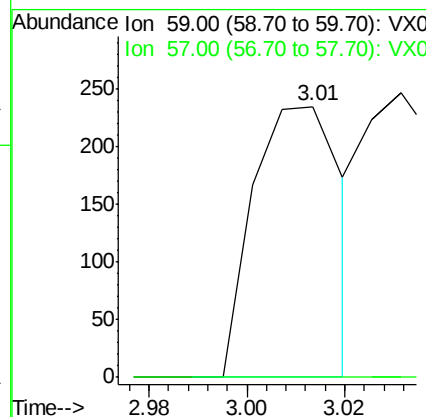
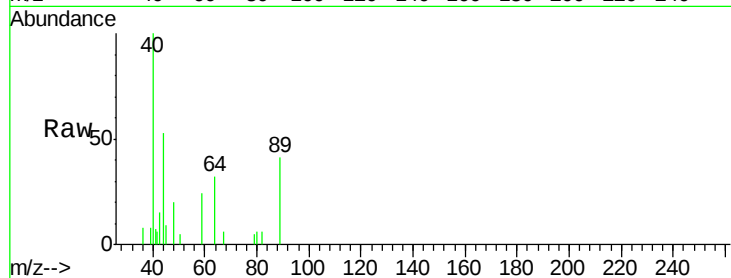




#11
Tert butvl alcohol
Concen: 0.507 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

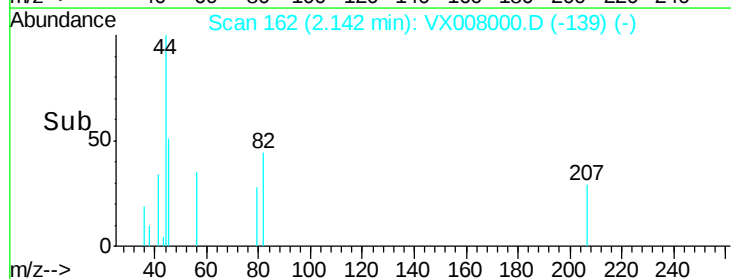
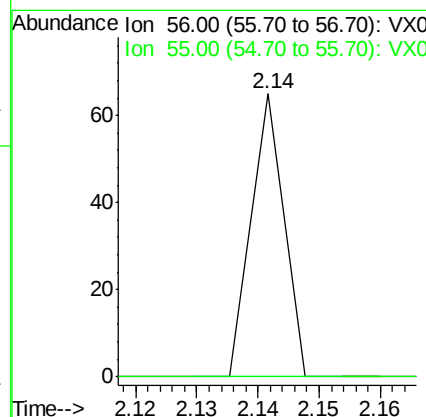
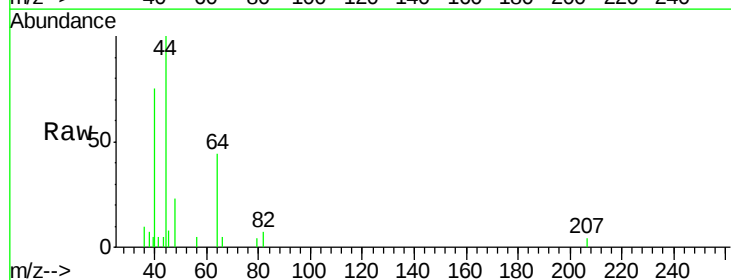
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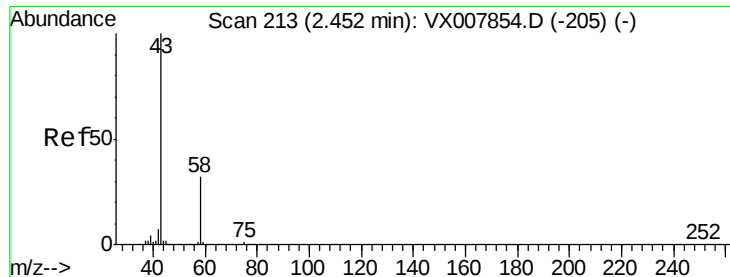
Tot Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 1.614 ug/l
RT: 2.14 min Scan# 162
Delta R.T. -0.16 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#

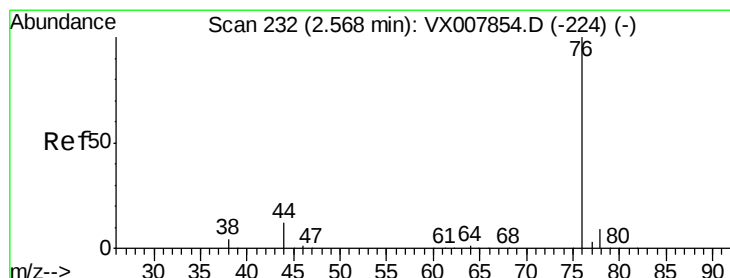
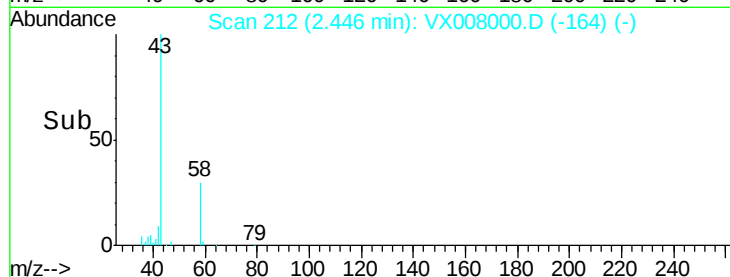
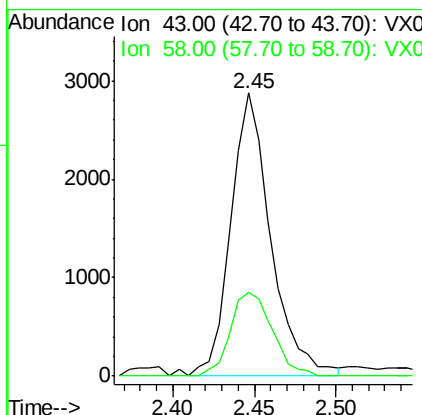
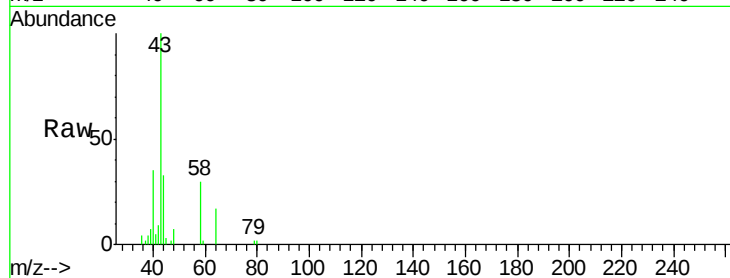




#16
Acetone
Concen: 3.251 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

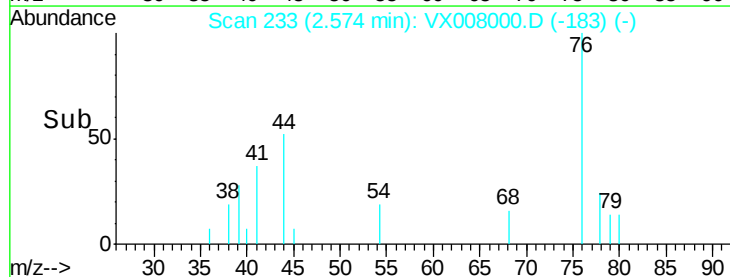
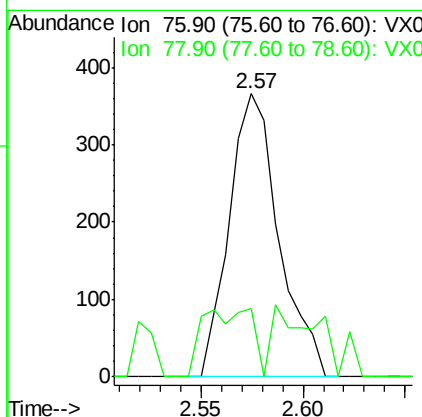
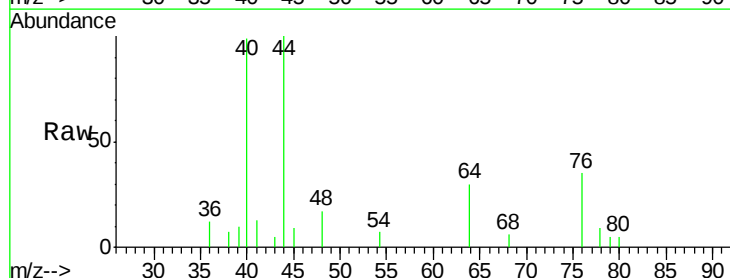
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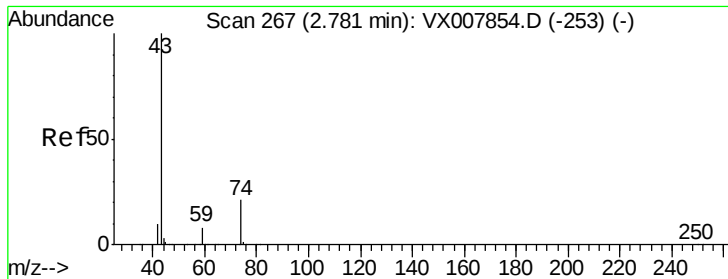
Tot Ion: 43 Resp: 4915
Ion Ratio Lower Upper
43 100
58 29.6 25.5 38.3



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Tgt Ion: 76 Resp: 618
Ion Ratio Lower Upper
76 100
78 24.3 7.2 10.8#

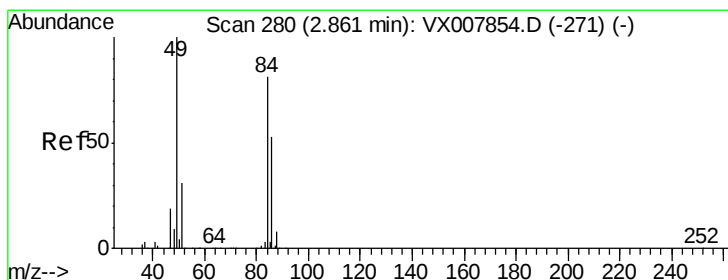
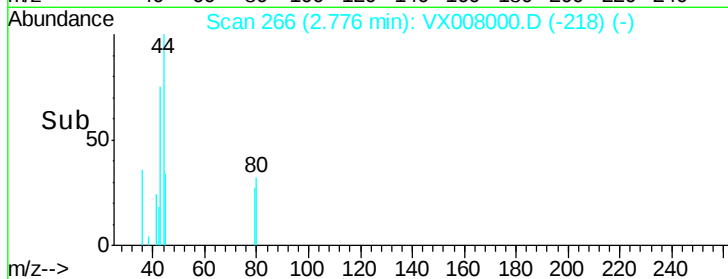
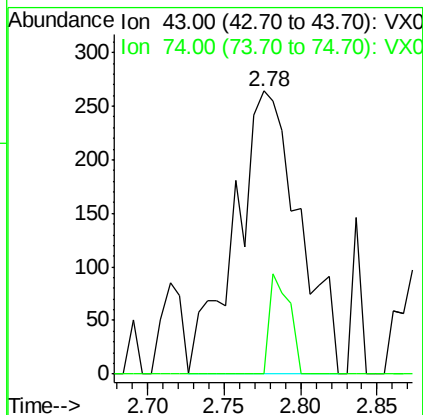
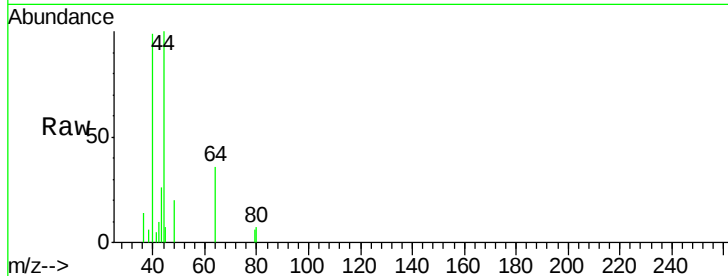




#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

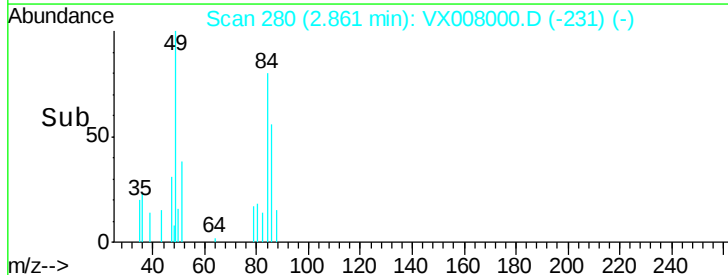
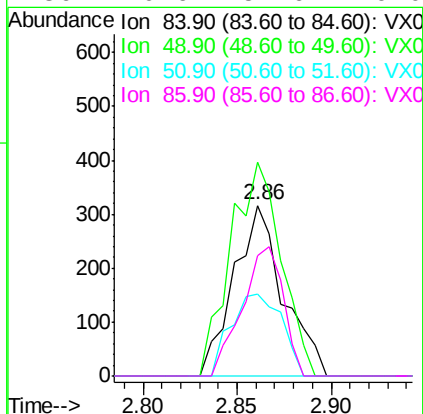
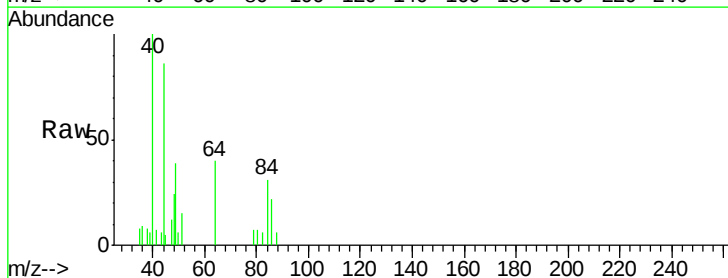
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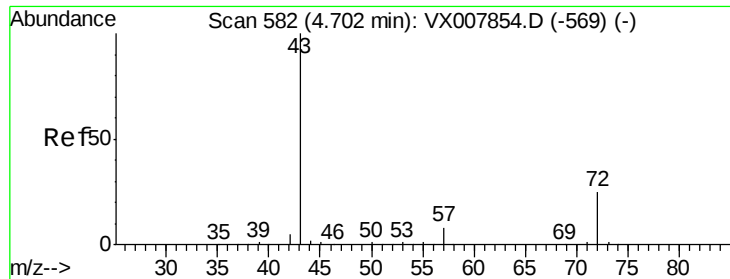
Tot Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
74 11.2 17.8 26.6#



#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Tgt Ion: 84 Resp: 575
Ion Ratio Lower Upper
84 100
49 125.3 99.3 148.9
51 47.8 31.3 46.9#
86 70.6 52.6 79.0

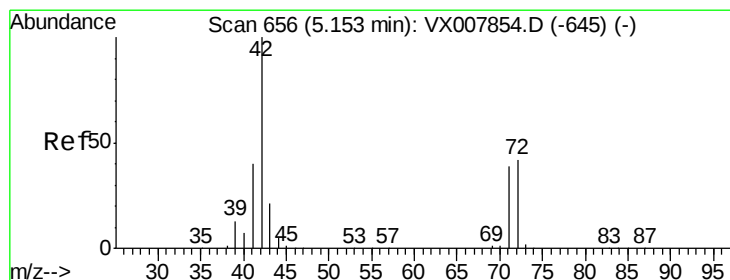
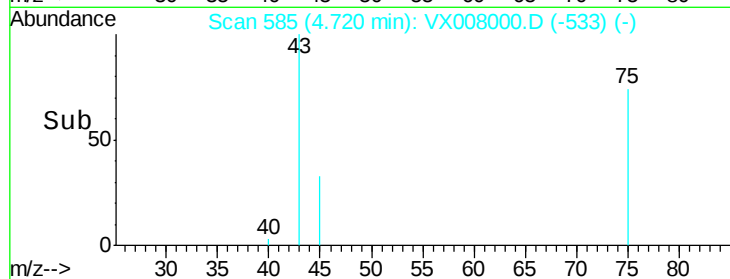
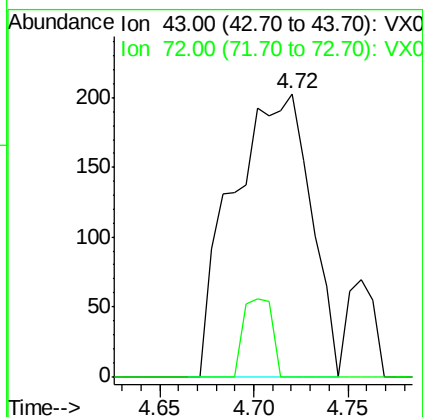
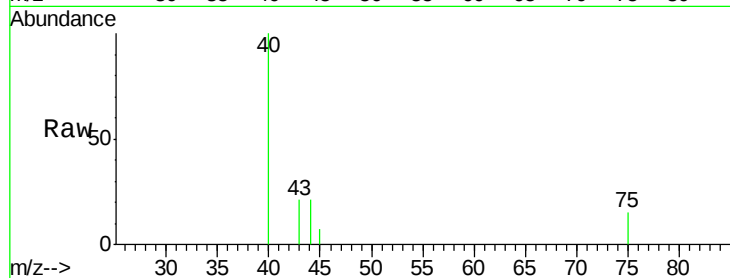




#25
2-Butanone
Concen: 0.271 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

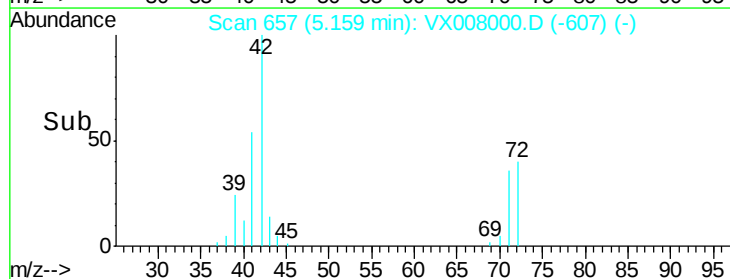
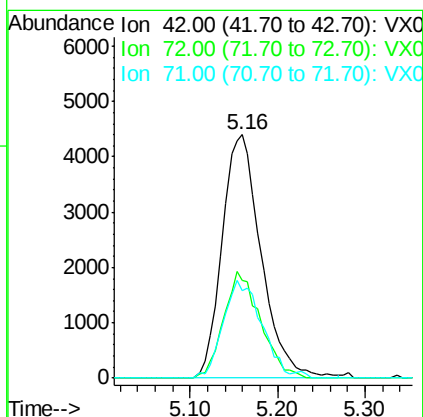
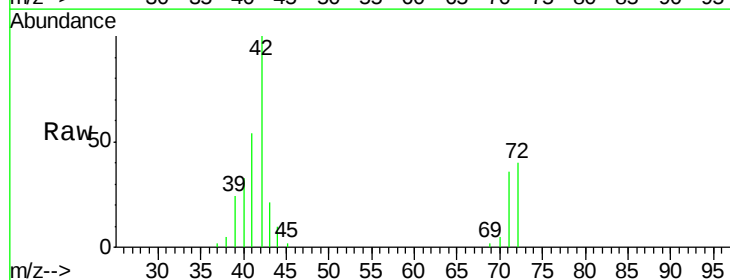
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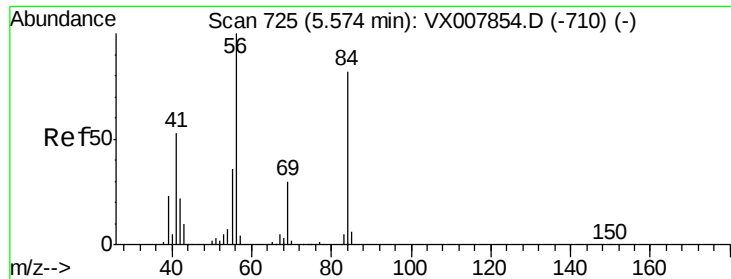
Tot Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#29
Tetrahydrofuran
Concen: 10.195 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Tgt Ion: 42 Resp: 13611
Ion Ratio Lower Upper
42 100
72 41.2 33.8 50.6
71 40.0 31.5 47.3

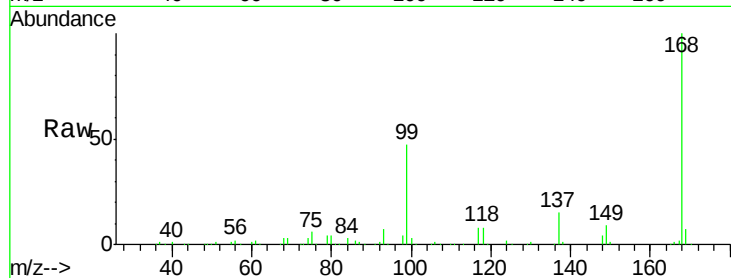




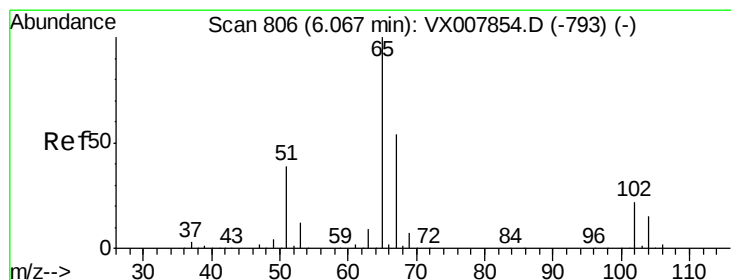
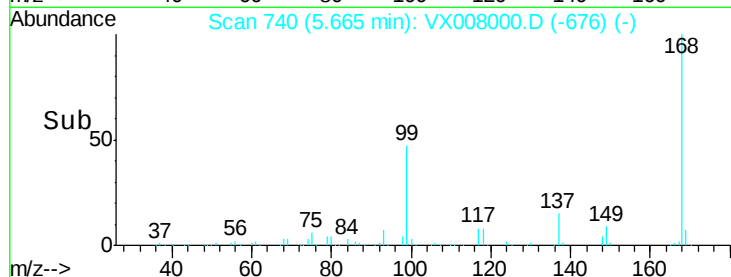
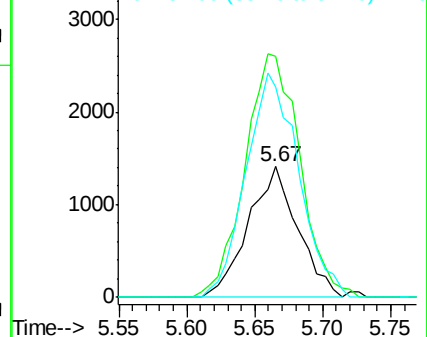
#31
Cyclohexane
Concen: 0.893 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Instrument :
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Tot Ion: 56 Resp: 3585
Ion Ratio Lower Upper
56 100
69 184.1 24.0 36.0#
84 160.9 65.3 97.9#

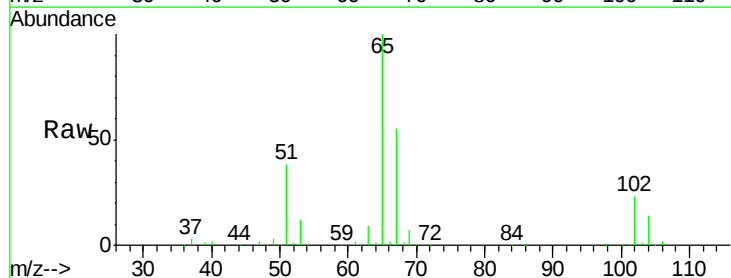


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

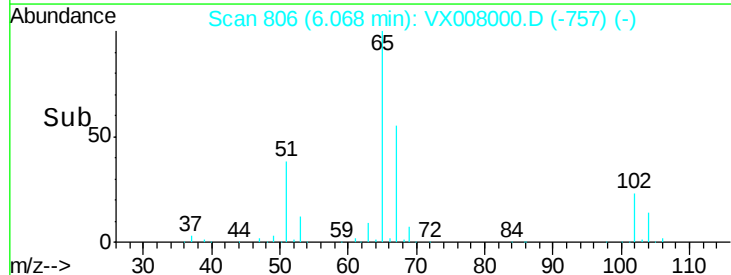
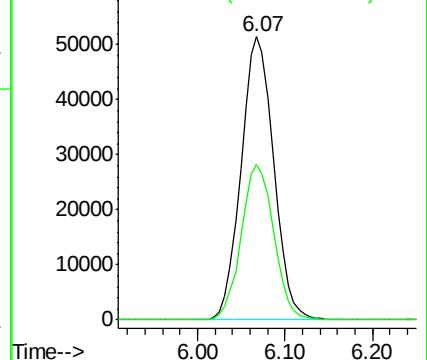


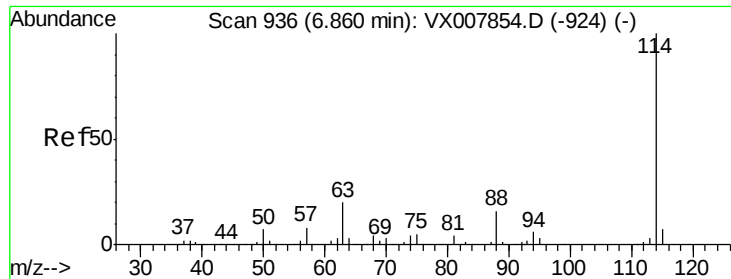
#33
1,2-Dichloroethane-d4
Concen: 51.159 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Tgt Ion: 65 Resp: 133620
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

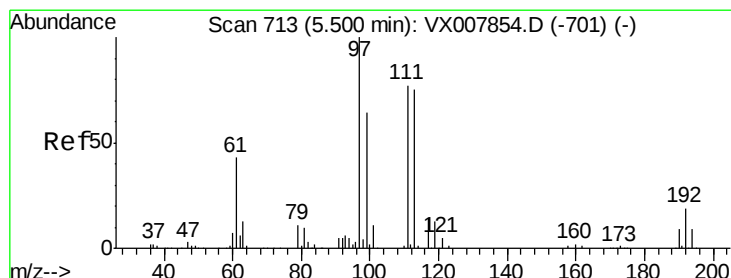
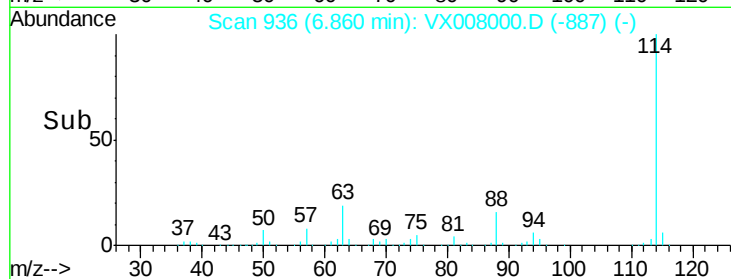
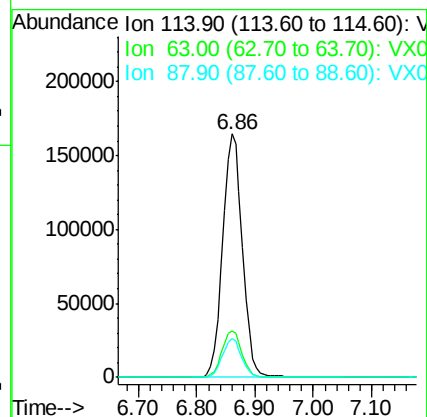
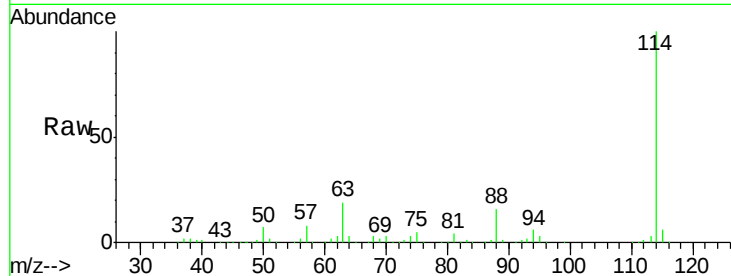




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008000.D
 Acq: 12 Mar 2019 07:34

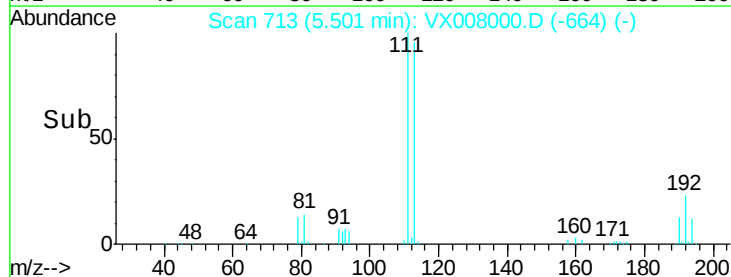
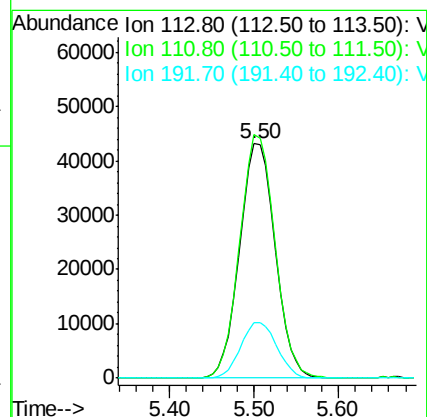
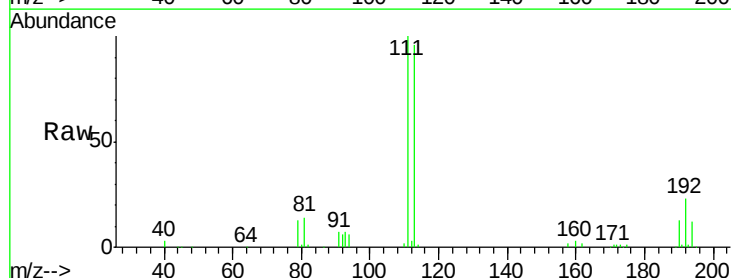
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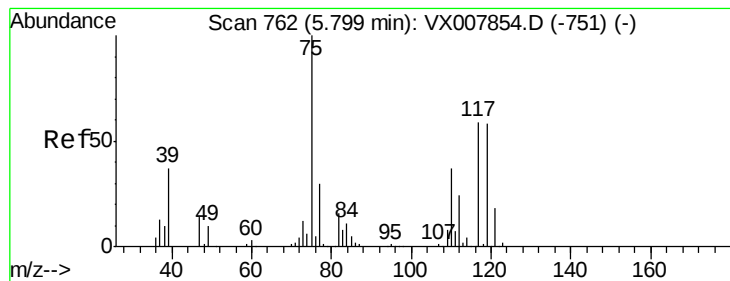
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.8
88	15.7	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 50.269 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008000.D
 Acq: 12 Mar 2019 07:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	24.2	19.4	29.0





#36

1,1-Dichloropropene

Concen: 4.323 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008000.D

Acq: 12 Mar 2019 07:34

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04D-M20W2-030519

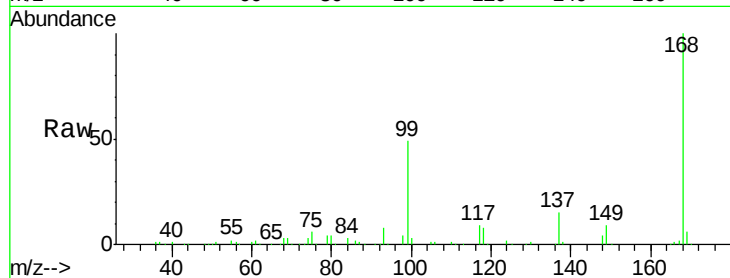
Tot Ion: 75 Resp: 15074

Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.0#

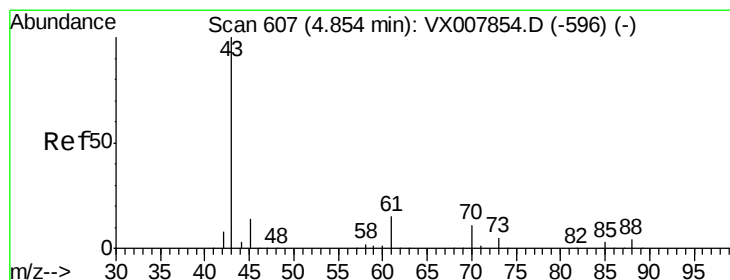
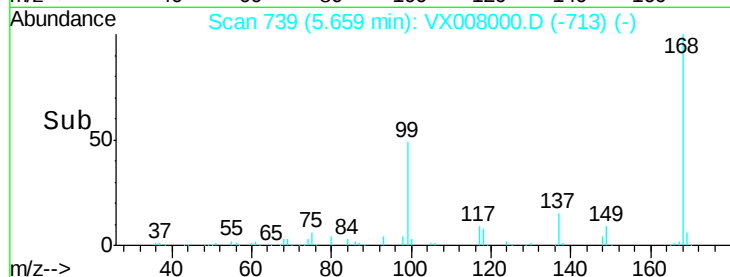
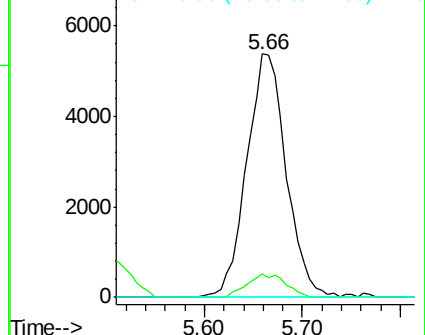
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.242 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008000.D

Acq: 12 Mar 2019 07:34

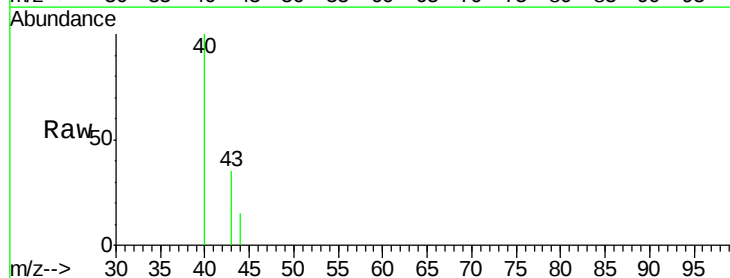
Tgt Ion: 43 Resp: 1000

Ion Ratio Lower Upper

43 100

61 4.2 11.3 16.9#

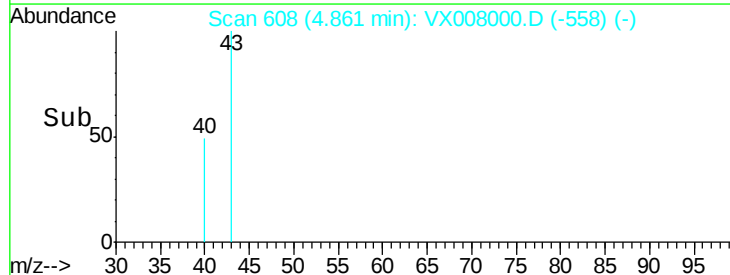
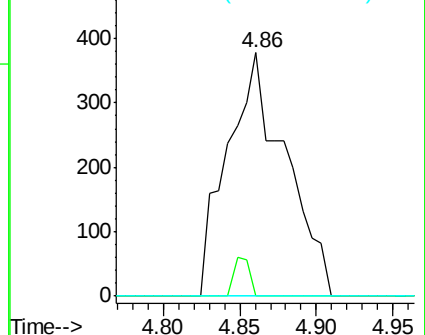
70 0.0 8.5 12.7#

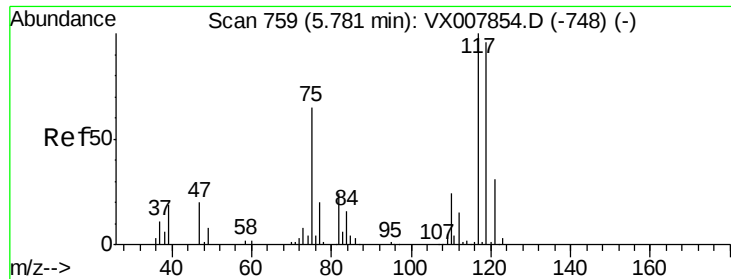


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.338 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008000.D

Acq: 12 Mar 2019 07:34

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04D-M20W2-030519

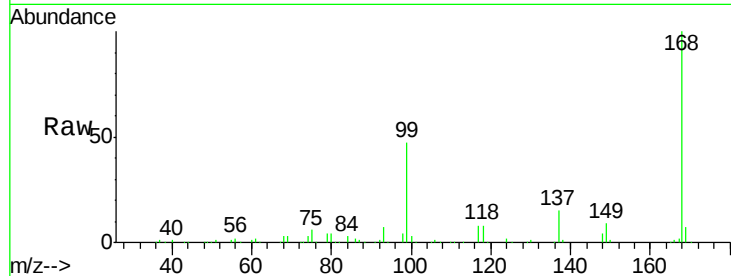
Tot Ion:117 Resp: 20981

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

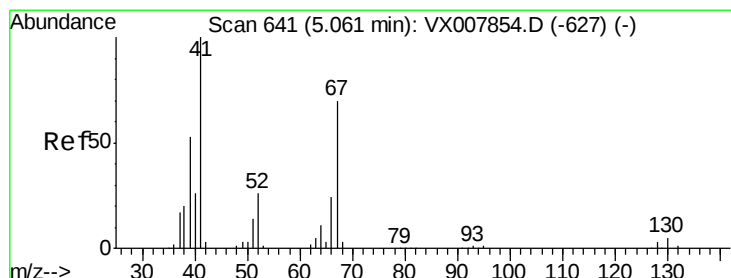
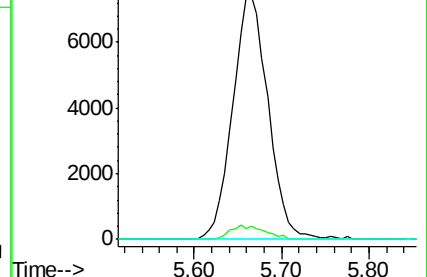
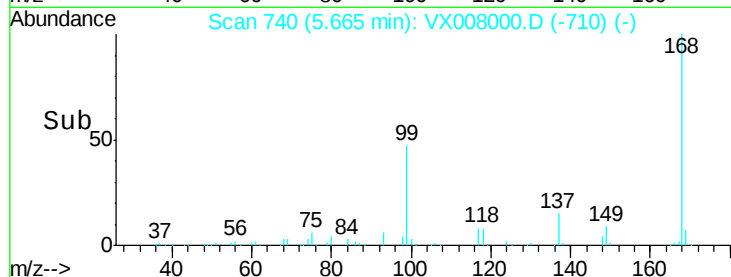
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 3.447 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.09 min

Lab File: VX008000.D

Acq: 12 Mar 2019 07:34

Tgt Ion: 41 Resp: 7777

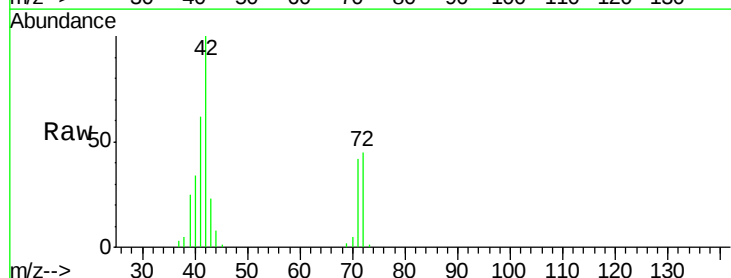
Ion Ratio Lower Upper

41 100

39 42.3 41.6 62.4

67 0.0 55.8 83.6#

52 0.0 21.7 32.5#

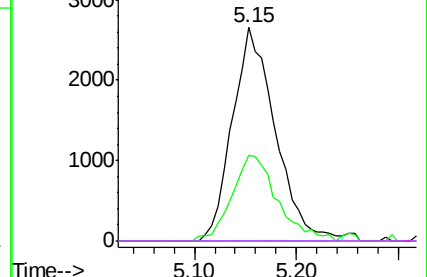
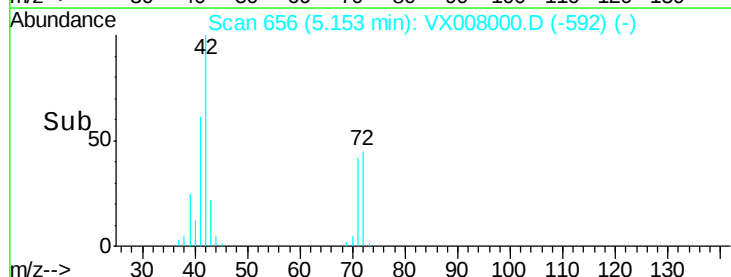


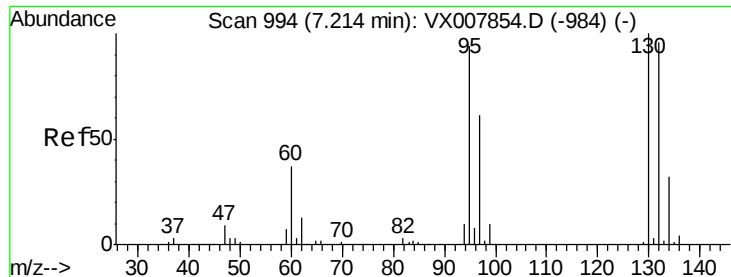
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 0.270 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX008000.D

Acq: 12 Mar 2019 07:34

Instrument :

MSVOA_X

ClientSampleId :

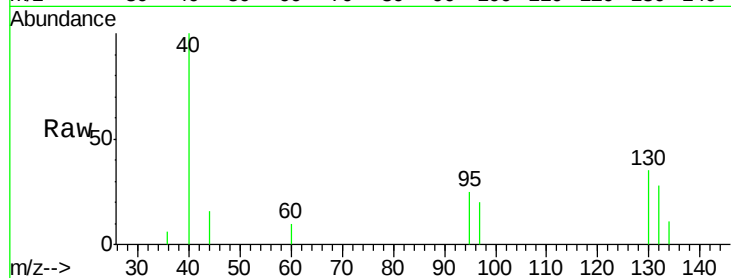
CPA-CPMW04D-M20W2-030519

Tot Ion:130 Resp: 773

Ion Ratio Lower Upper

130 100

95 71.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.23

400

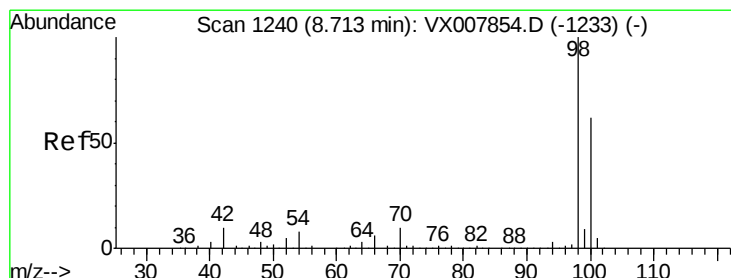
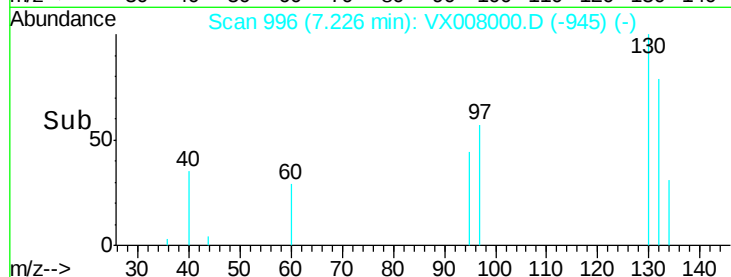
300

200

100

0

Time--> 7.15 7.20 7.25



#50

Toluene-d8

Concen: 51.231 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008000.D

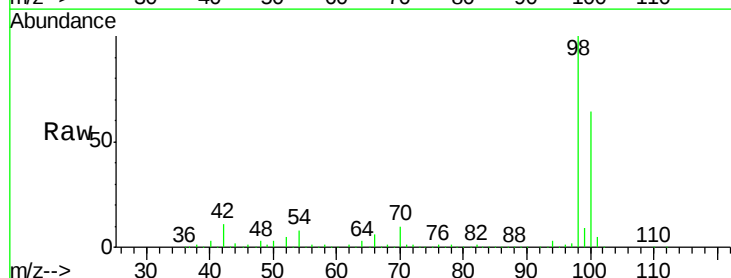
Acq: 12 Mar 2019 07:34

Tgt Ion: 98 Resp: 463475

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

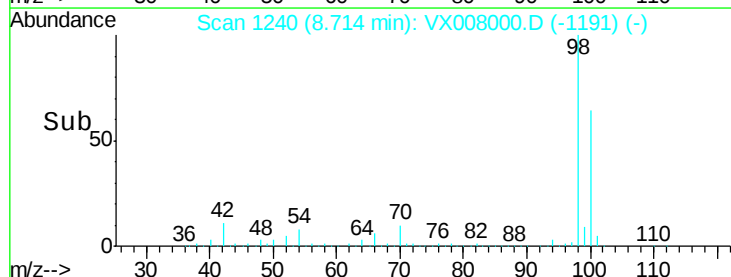
300000

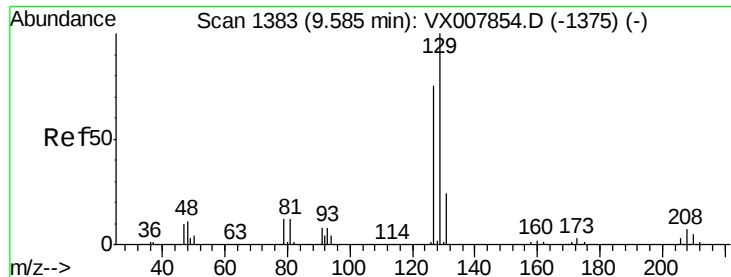
200000

100000

0

Time--> 8.60 8.70 8.80

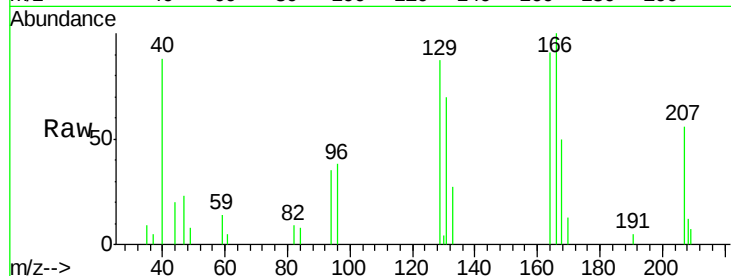




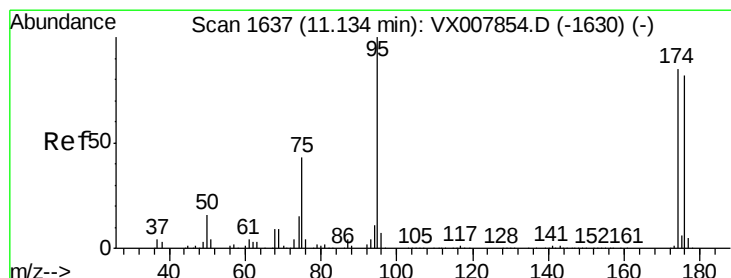
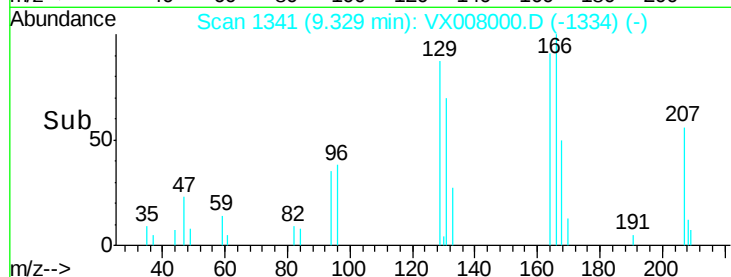
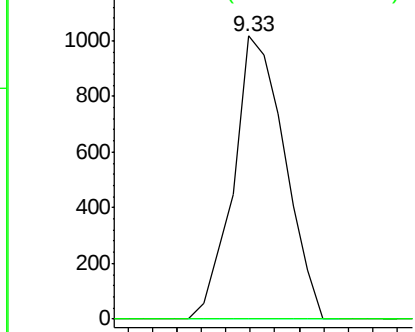
#60
 Dibromochloromethane
 Concen: 0.552 ug/l
 RT: 9.33 min Scan# 1341
 Delta R.T. -0.26 min
 Lab File: VX008000.D
 Acq: 12 Mar 2019 07:34

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW04D-M20W2-030519

Tot Ion:129 Resp: 1481
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#

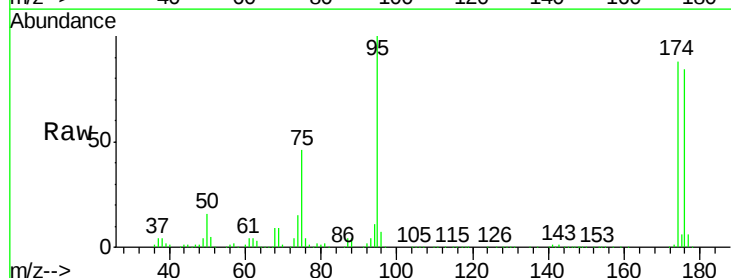


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

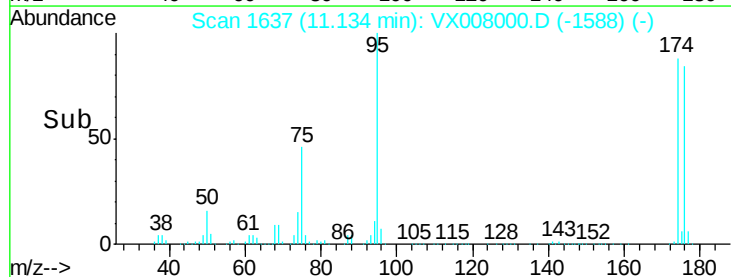
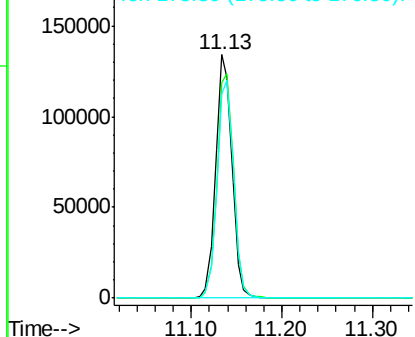


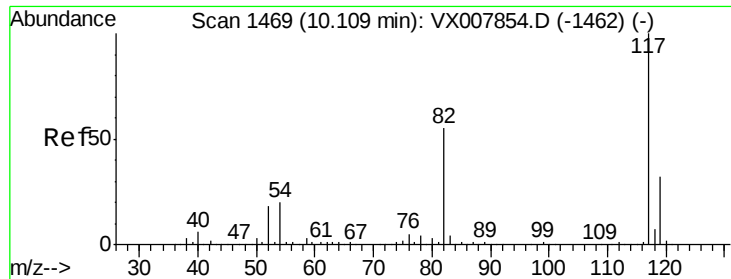
#62
 4-Bromofluorobenzene
 Concen: 53.555 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008000.D
 Acq: 12 Mar 2019 07:34

Tgt Ion: 95 Resp: 169868
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 182.8
 176 90.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

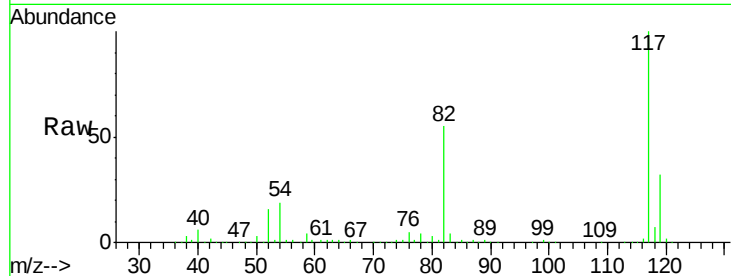




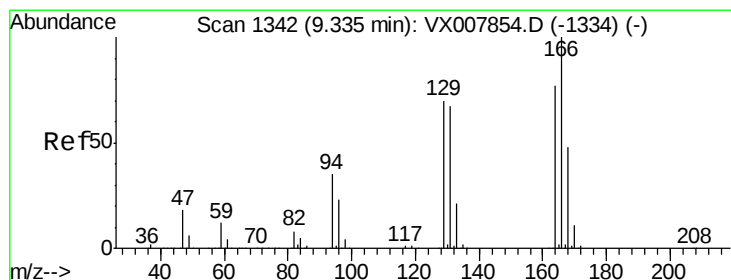
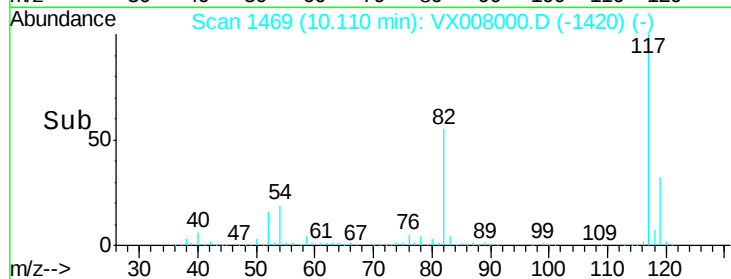
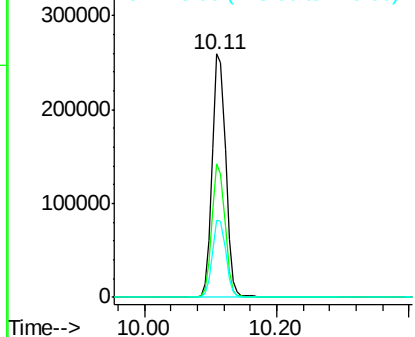
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW04D-M20W2-030519

Tot Ion:117 Resp: 364668
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.0 25.3 37.9



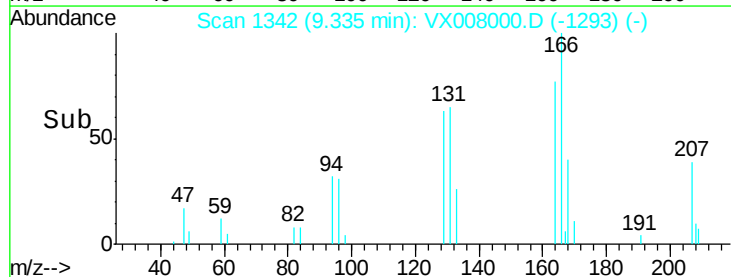
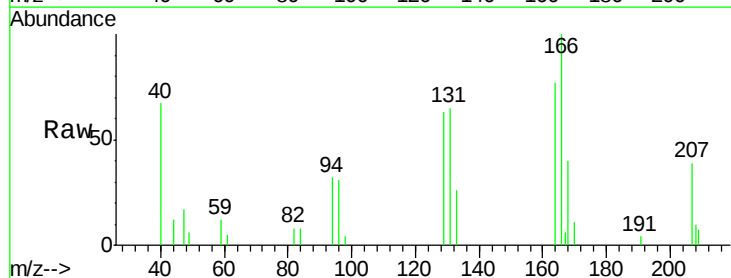
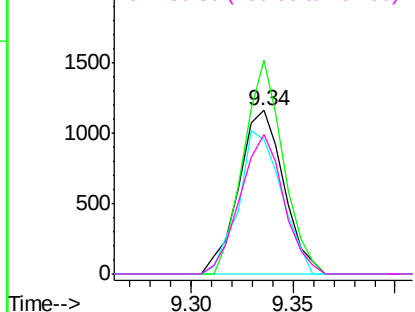
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

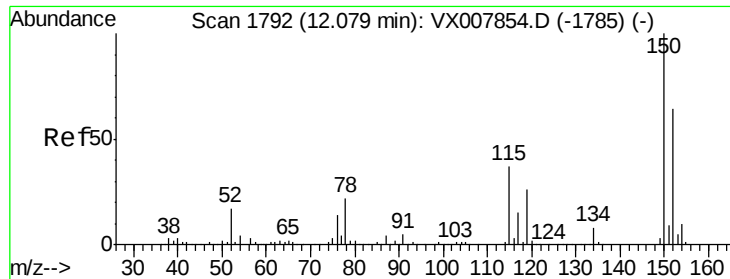


#64
Tetrachloroethene
Concen: 0.593 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008000.D
Acq: 12 Mar 2019 07:34

Tgt Ion:164 Resp: 1791
Ion Ratio Lower Upper
164 100
166 130.6 103.4 155.0
129 81.8 72.2 108.4
131 85.0 69.4 104.2

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: VX008000.D

Acq: 12 Mar 2019 07:34

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04D-M20W2-030519

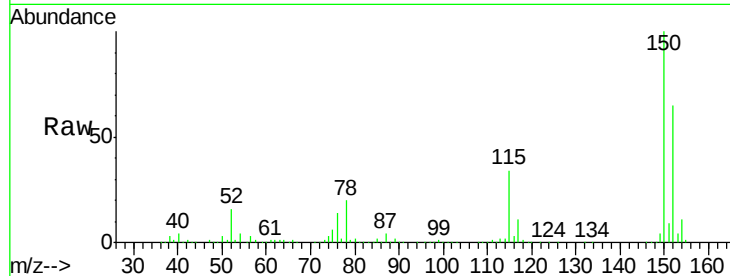
Tot Ion:152 Resp: 176560

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

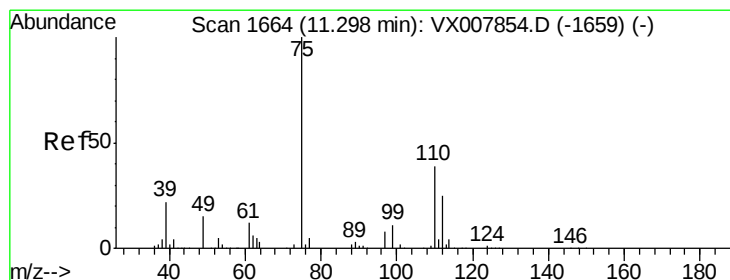
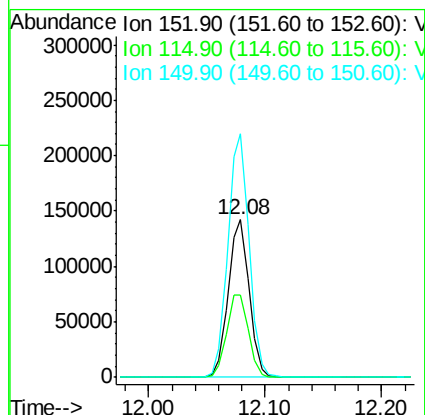
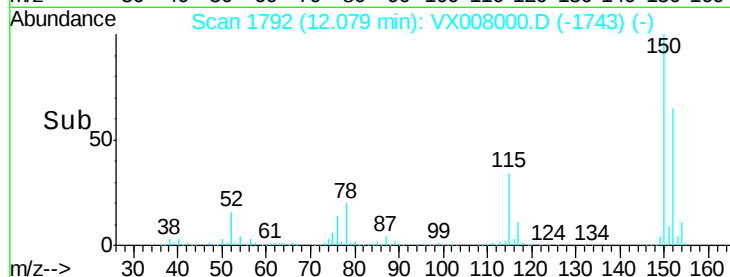
150 155.7 0.0 348.4



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: 21.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008000.D

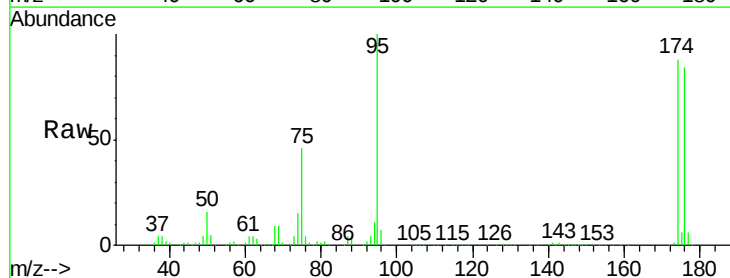
Acq: 12 Mar 2019 07:34

Tgt Ion: 75 Resp: 78153

Ion Ratio Lower Upper

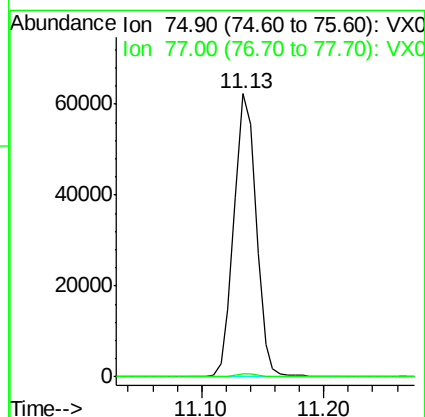
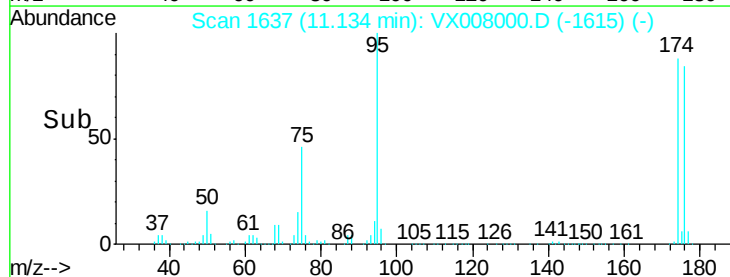
75 100

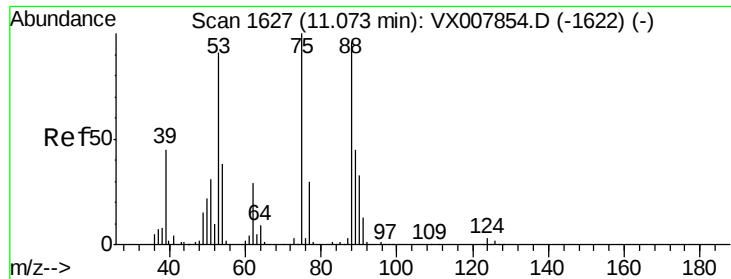
77 1.2 18.9 56.7#



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: 67.427 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008000.D

Acq: 12 Mar 2019 07:34

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04D-M20W2-030519

Tot Ion: 75 Resp: 78153

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

