

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010450.D
 Acq On : 26 Jun 2019 10:19
 Operator : JC/SP
 Sample : K3527-23
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-TB1-M24W1-061919

Quant Time: Jun 27 01:09:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	416781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	378718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127153	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	5.50	113	126287	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	8.71	98	491682	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	167334	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

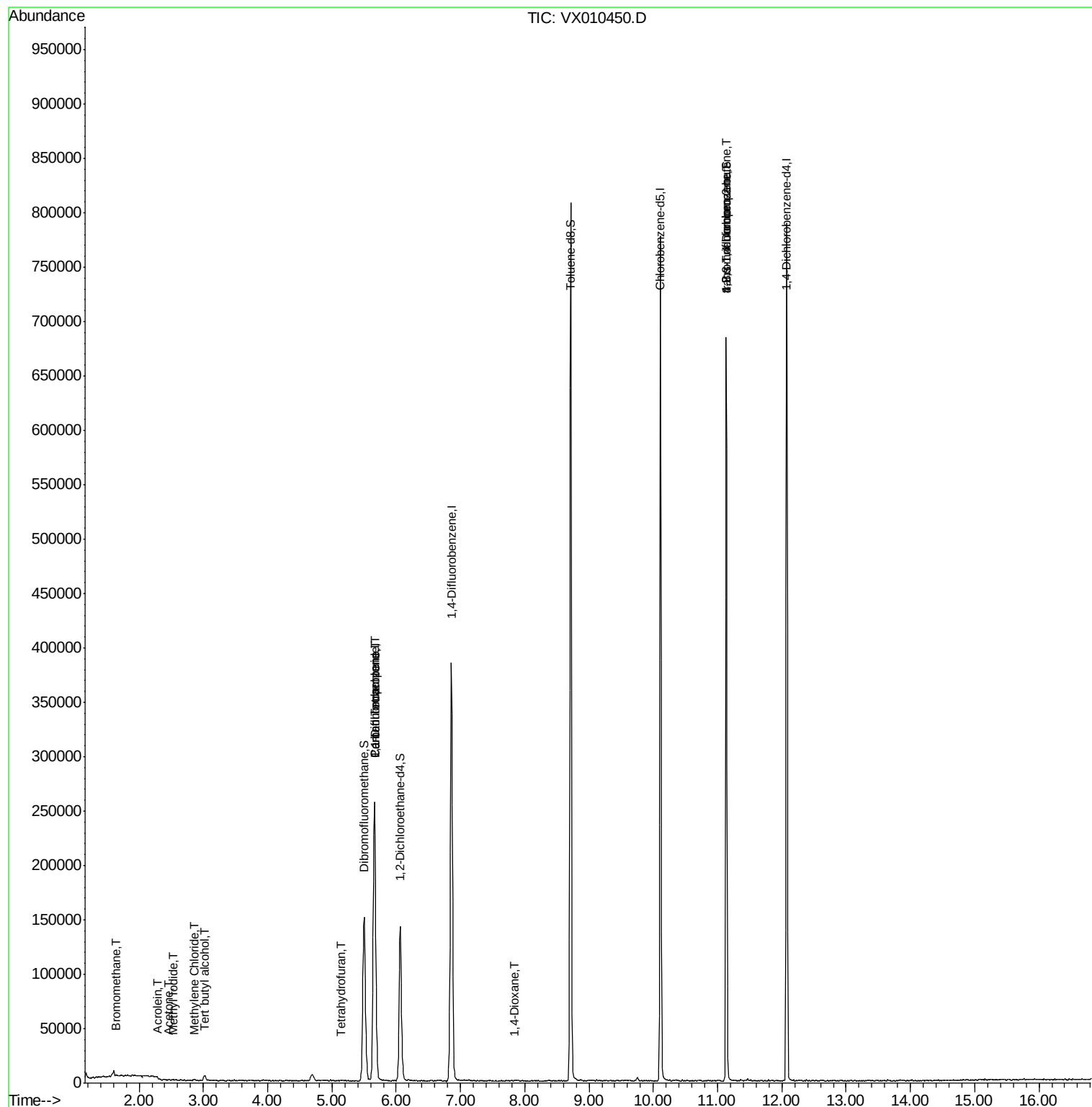
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	636	0.544	ug/l #	44
10) Methyl Iodide	2.52	142	854	0.260	ug/l #	95
11) Tert butyl alcohol	3.02	59	2702	4.073	ug/l #	89
13) Acrolein	2.29	56	305	0.693	ug/l #	75
16) Acetone	2.45	43	584	0.460	ug/l #	83
20) Methylene Chloride	2.85	84	565	0.216	ug/l #	80
29) Tetrahydrofuran	5.13	42	433	0.375	ug/l #	76
36) 1,1-Dichloropropene	5.67	75	16898	5.102	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23579	6.575	ug/l #	15
49) 1,4-Dioxane	7.83	88	60	0.795	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	78509	24.547	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78509	57.266	ug/l #	16

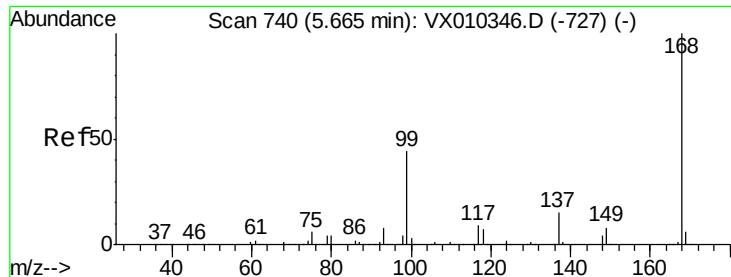
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010450.D

Acq: 26 Jun 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

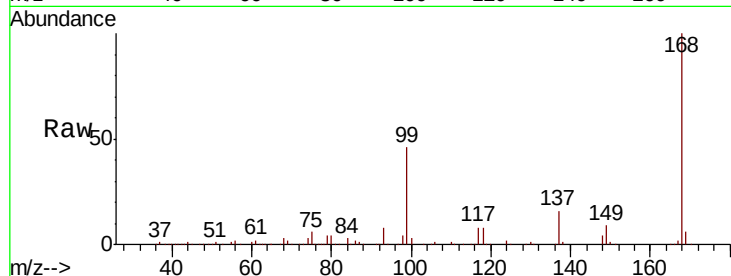
CPA-TB1-M24W1-061919

Tot Ion:168 Resp: 270406

Ion Ratio Lower Upper

168 100

99 46.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

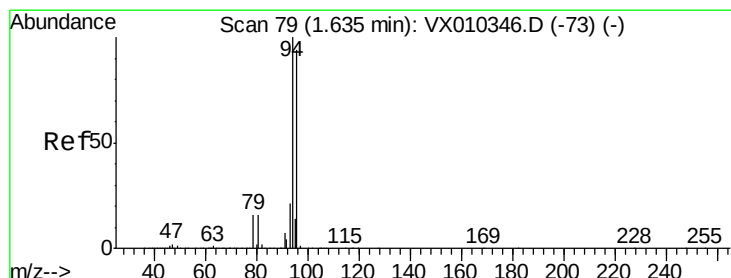
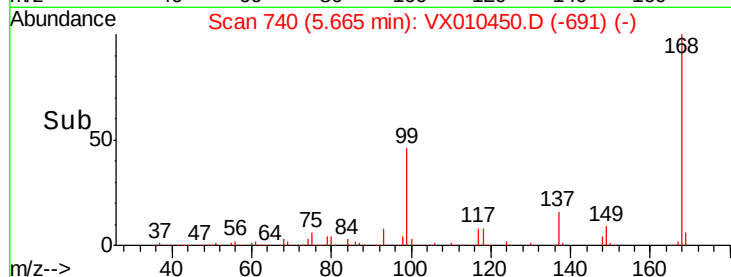
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.544 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010450.D

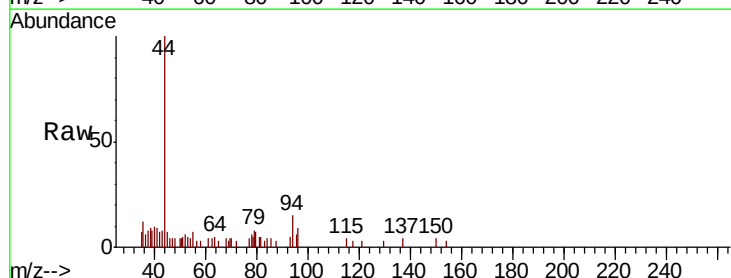
Acq: 26 Jun 2019 10:19

Tgt Ion: 94 Resp: 636

Ion Ratio Lower Upper

94 100

96 40.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

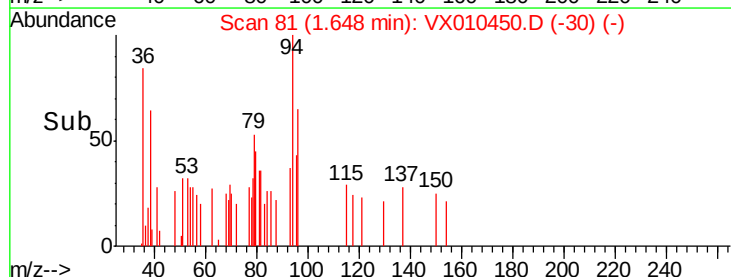
150

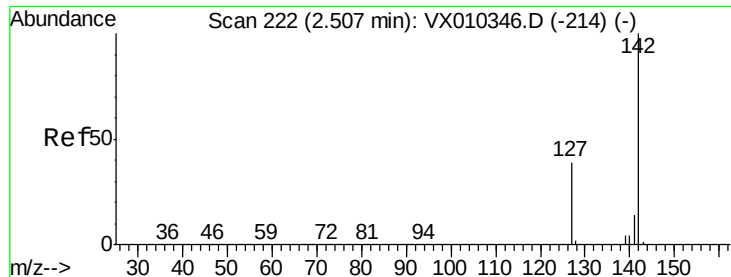
100

50

0

Time--> 1.60 1.65 1.70

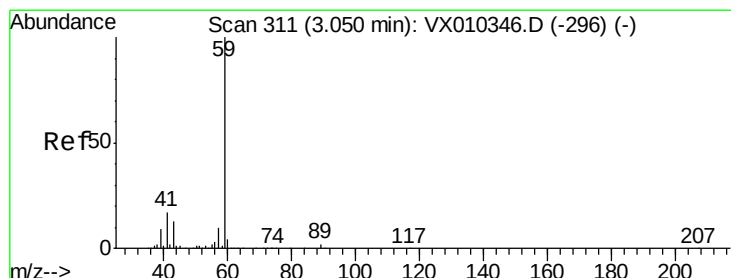
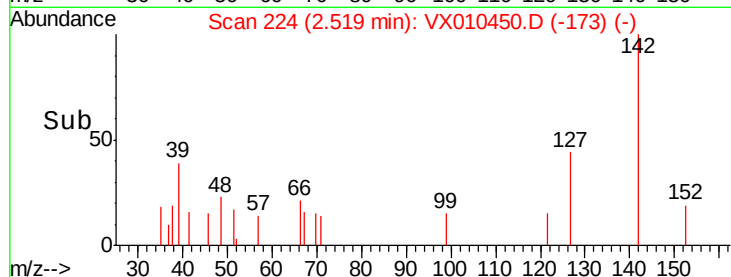
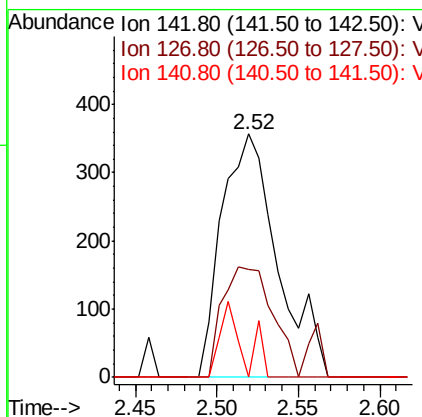
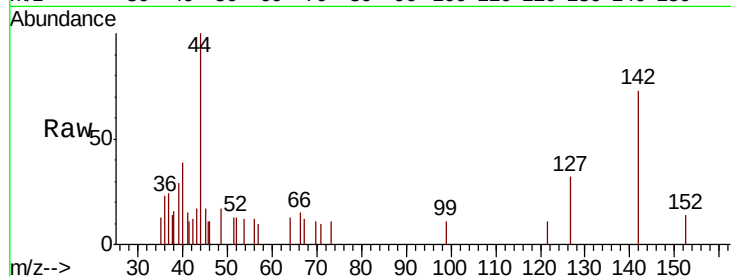




#10
Methvl Iodide
Concen: 0.260 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

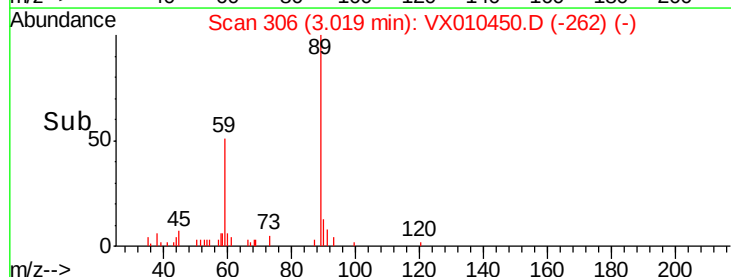
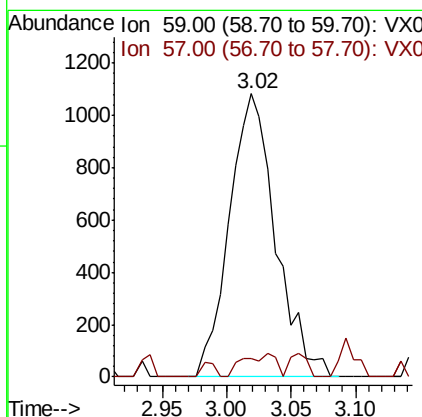
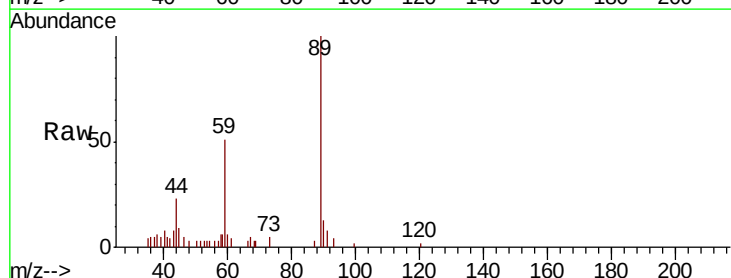
Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M24W1-061919

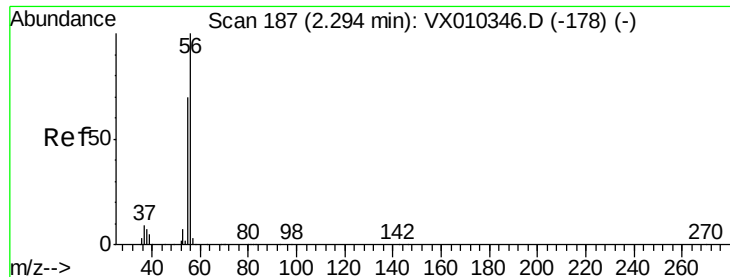
Tot Ion:142 Resp: 854
Ion Ratio Lower Upper
142 100
127 40.6 31.1 46.7
141 9.6 11.2 16.8#



#11
Tert butyl alcohol
Concen: 4.073 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

Tgt Ion: 59 Resp: 2702
Ion Ratio Lower Upper
59 100
57 5.7 7.7 11.5#





#13

Acrolein

Concen: 0.693 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010450.D

Acq: 26 Jun 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

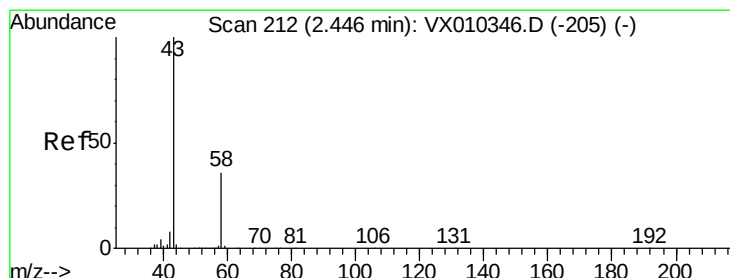
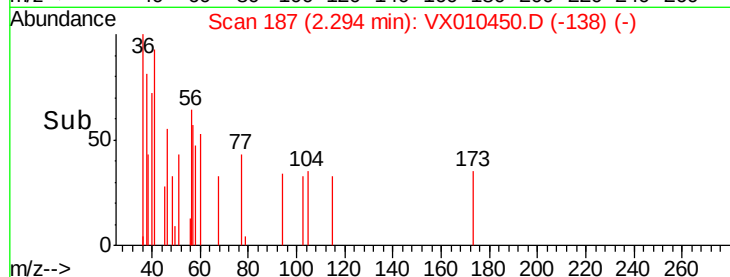
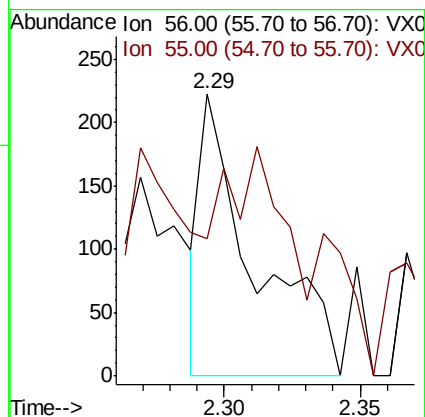
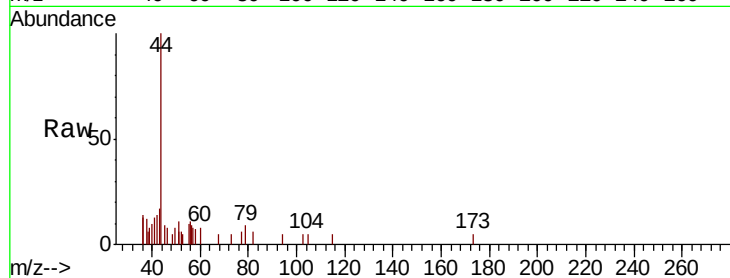
CPA-TB1-M24W1-061919

Tot Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

55 50.2 56.9 85.3#



#16

Acetone

Concen: 0.460 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010450.D

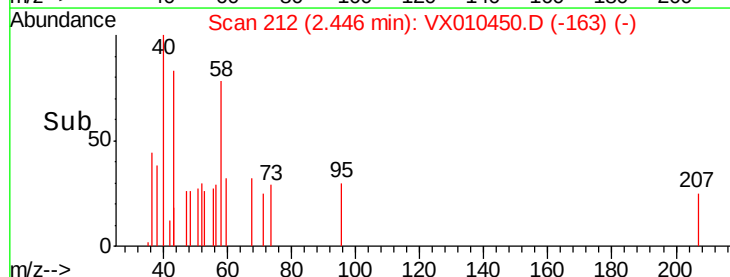
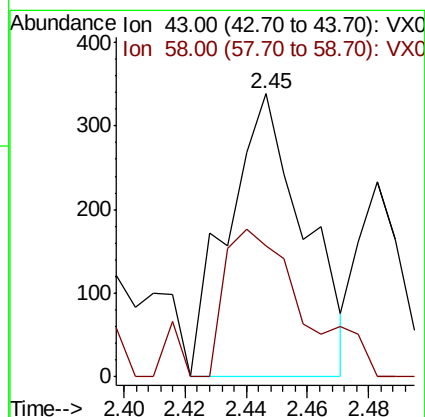
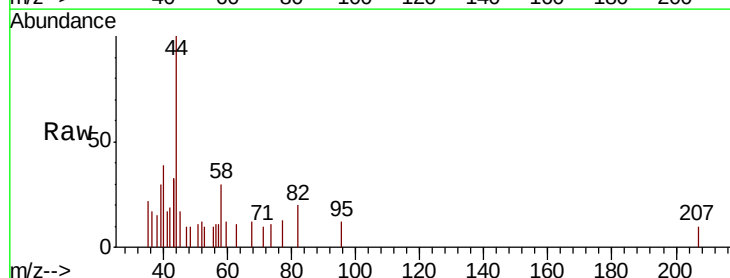
Acq: 26 Jun 2019 10:19

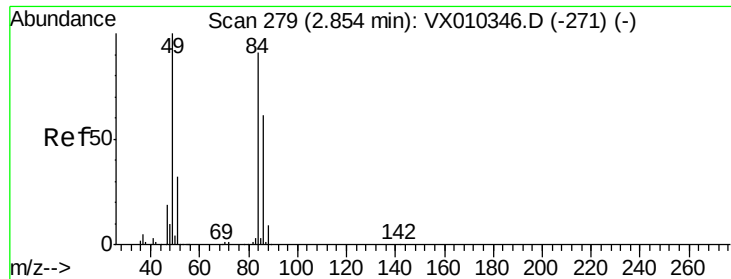
Tgt Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

58 46.2 28.9 43.3#

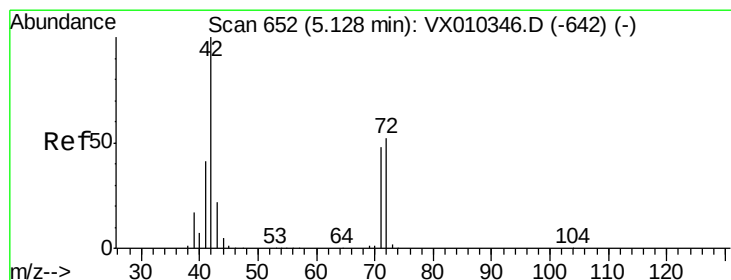
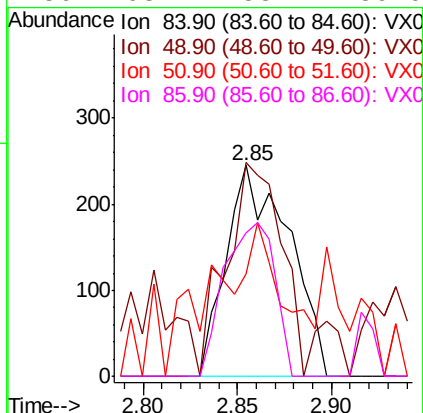
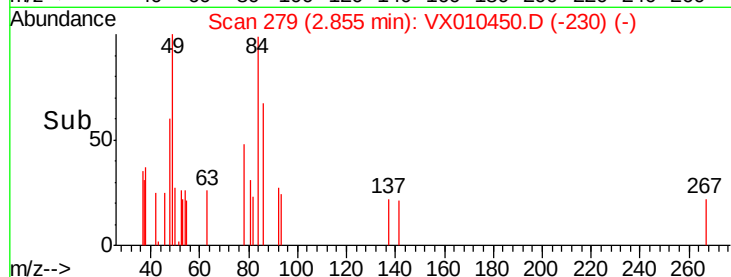
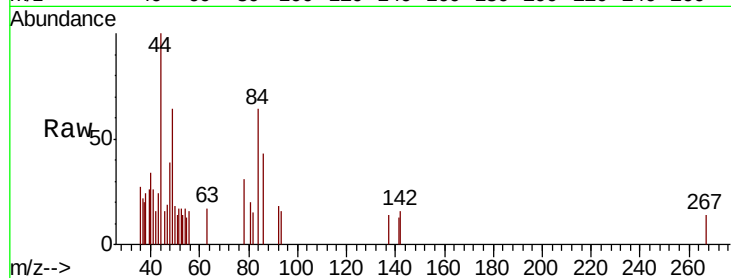




#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

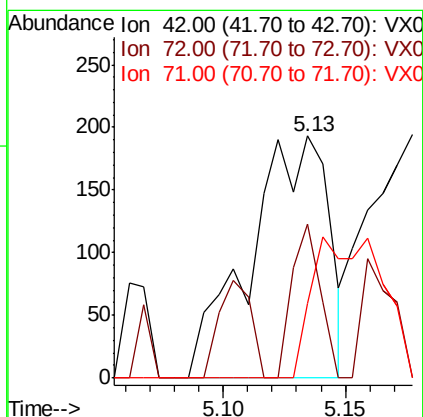
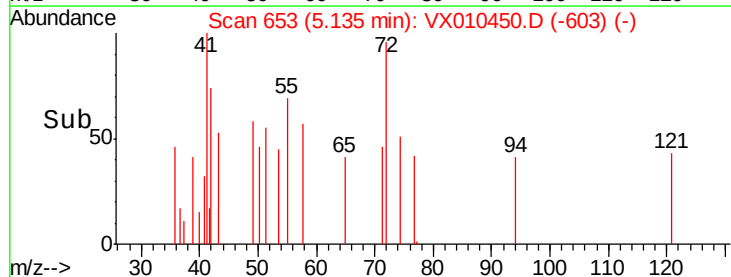
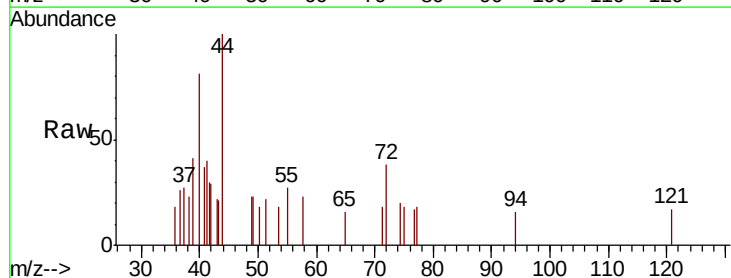
Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M24W1-061919

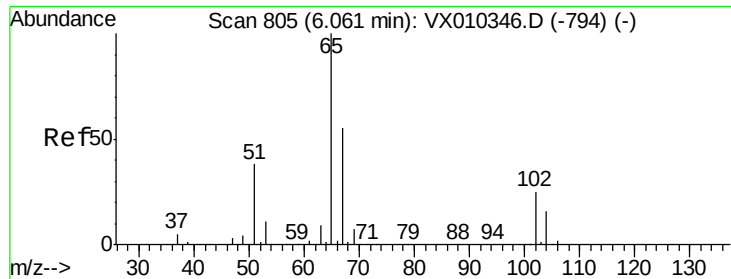
Tot Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 80.0 87.5 131.3#
51 16.3 27.7 41.5#
86 68.2 53.4 80.0



#29
Tetrahydrofuran
Concen: 0.375 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

Tgt Ion: 42 Resp: 433
Ion Ratio Lower Upper
42 100
72 22.9 40.6 60.8#
71 51.3 37.8 56.8

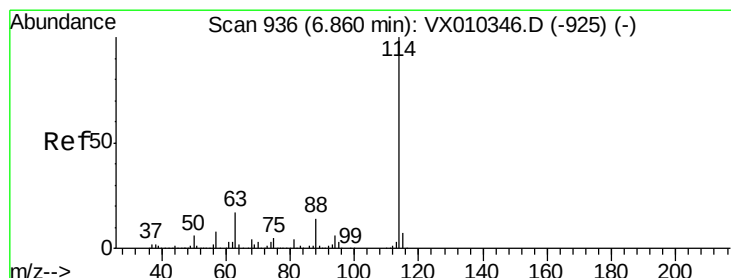
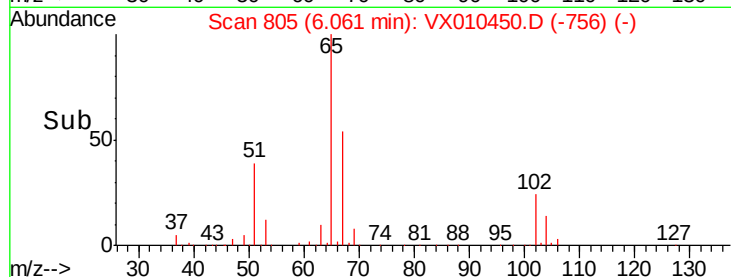
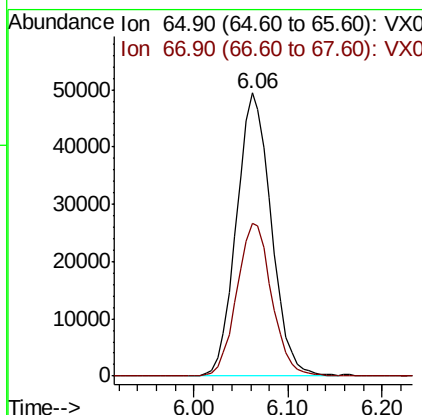
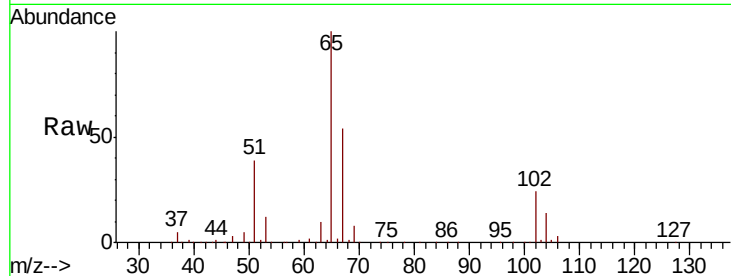




#33
 1,2-Dichloroethane-d4
 Concen: 50.153 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010450.D
 Acq: 26 Jun 2019 10:19

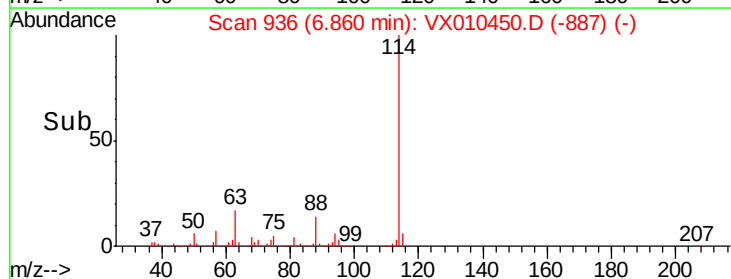
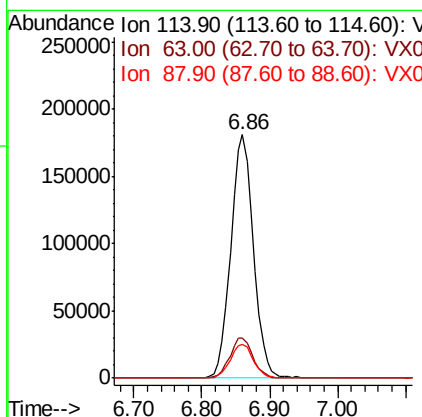
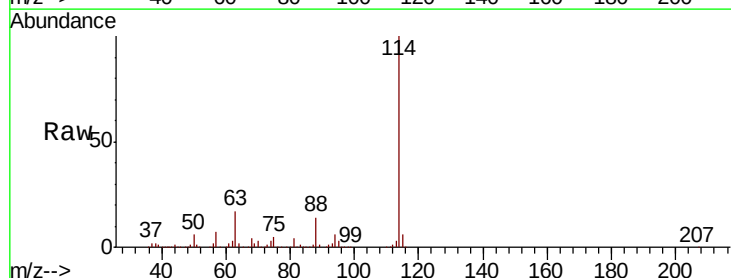
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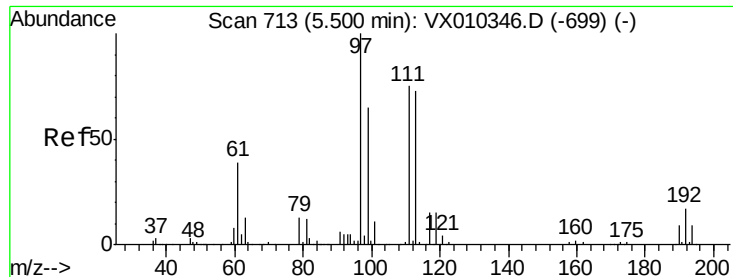
Tot Ion: 65 Resp: 127153
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010450.D
 Acq: 26 Jun 2019 10:19

Tgt Ion: 114 Resp: 416781
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 33.8
 88 14.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.524 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010450.D

Acq: 26 Jun 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

CPA-TB1-M24W1-061919

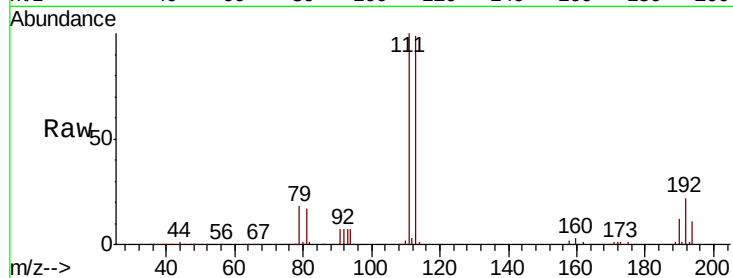
Tot Ion:113 Resp: 126287

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

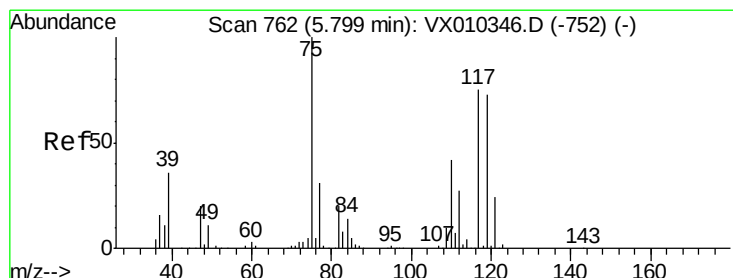
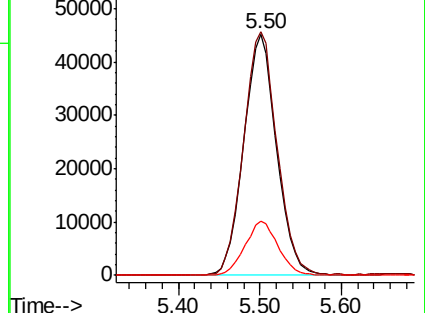
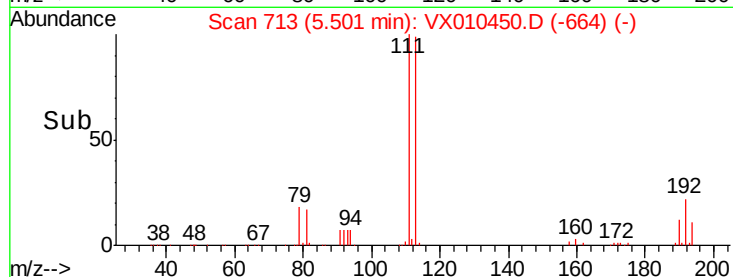
192 22.8 18.6 27.8



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: 5.102 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010450.D

Acq: 26 Jun 2019 10:19

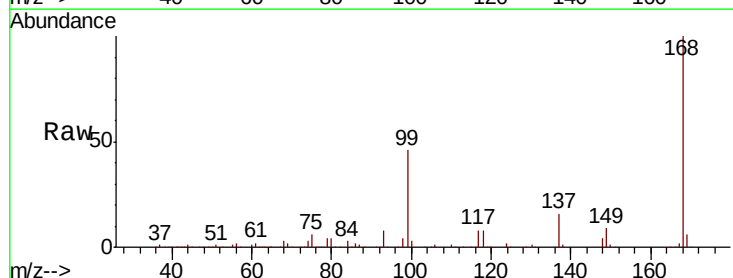
Tgt Ion: 75 Resp: 16898

Ion Ratio Lower Upper

75 100

110 10.3 20.8 62.2#

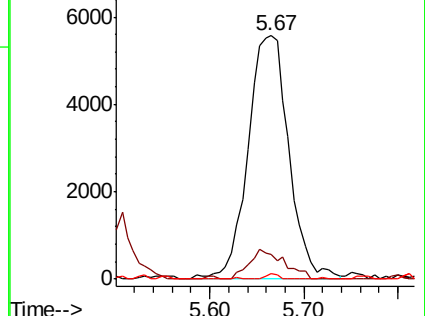
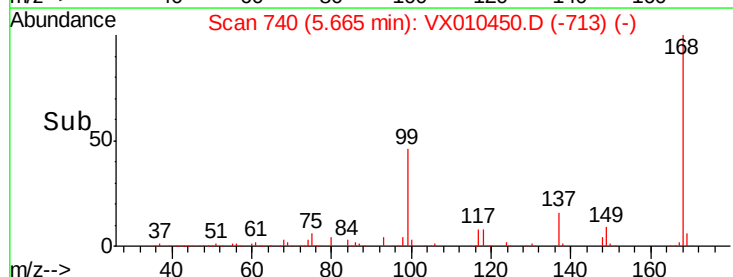
77 0.6 25.4 38.0#

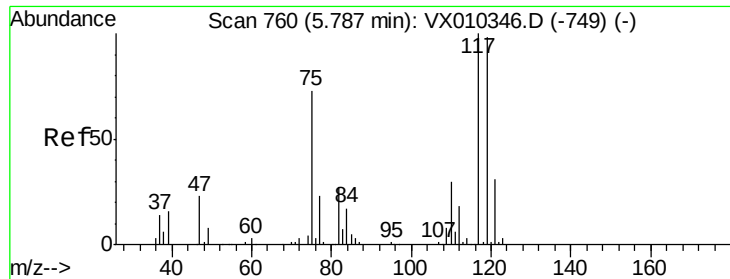


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

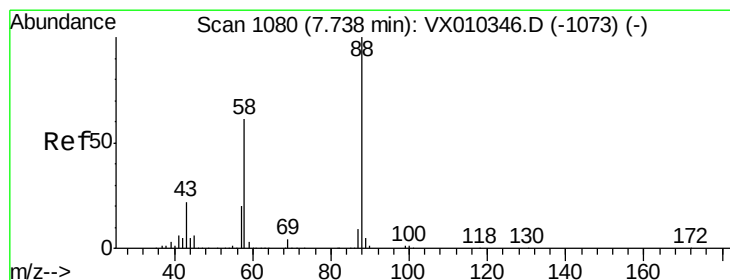
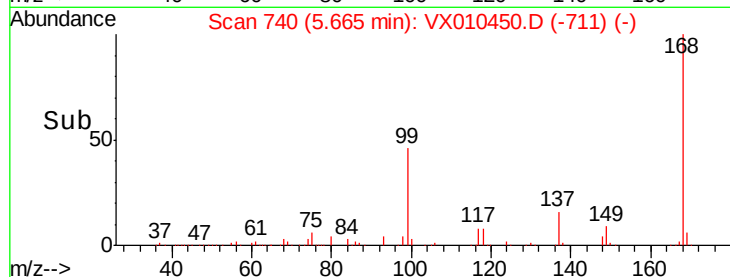
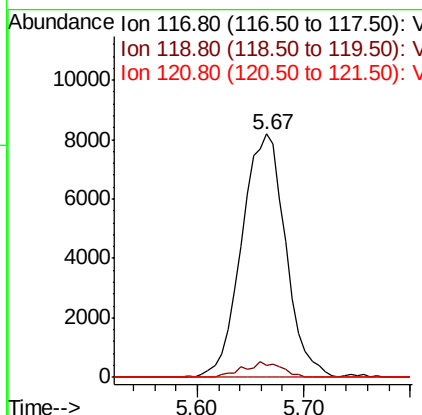
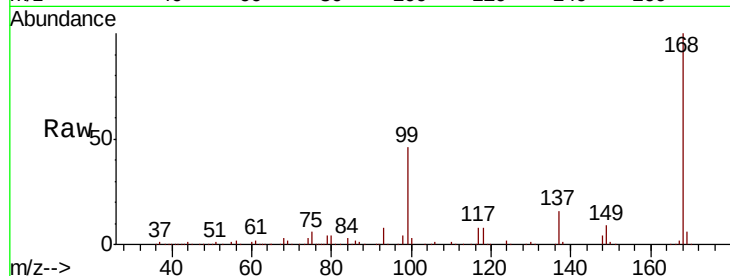




#38
Carbon Tetrachloride
Concen: 6.575 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

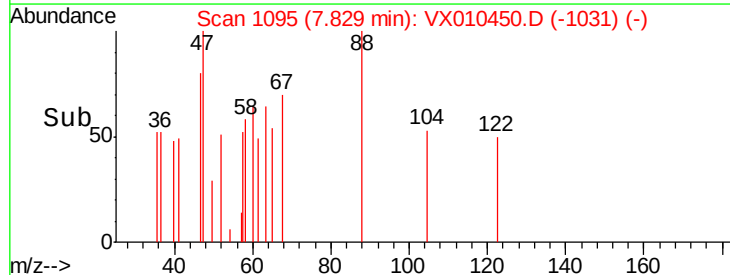
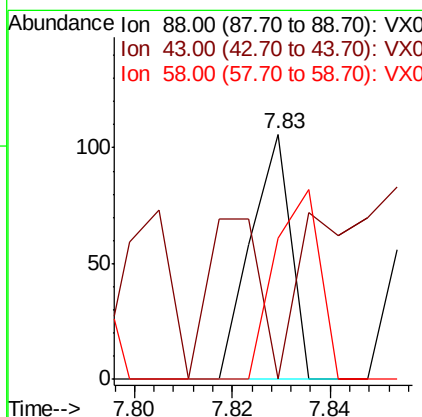
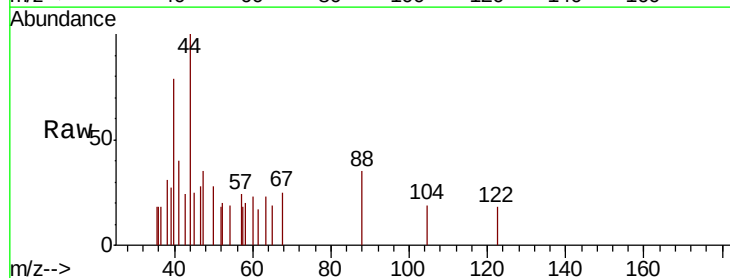
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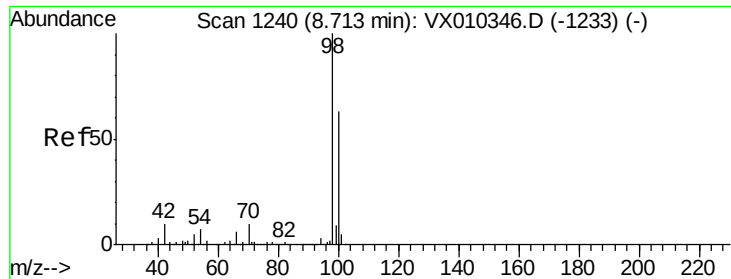
Tot Ion:117 Resp: 23579
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.4#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.795 ug/l
RT: 7.83 min Scan# 1095
Delta R.T. 0.09 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 83.3 20.2 30.2#
58 86.7 49.5 74.3#

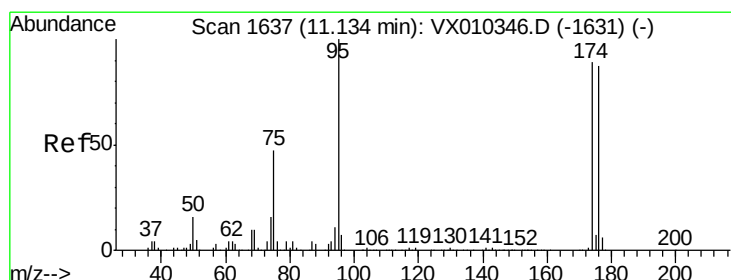
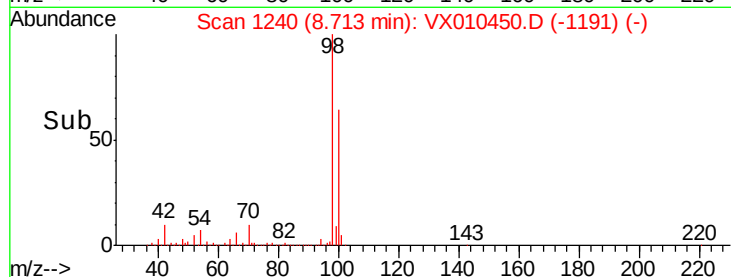
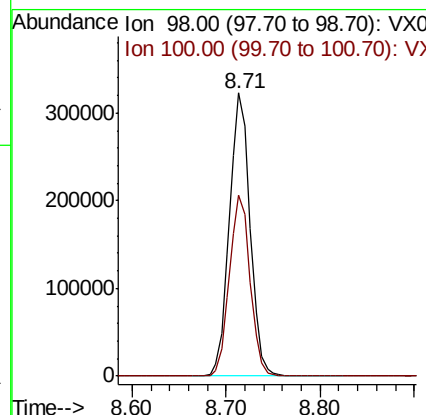
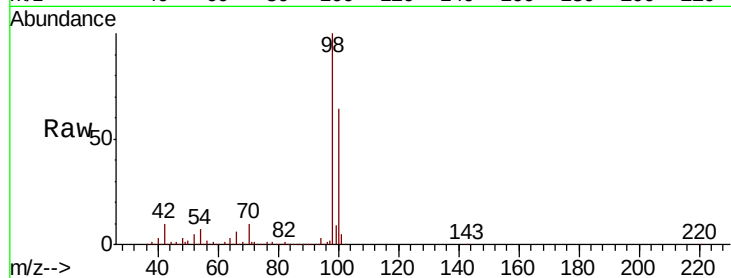




#50
Toluene-d8
Concen: 50.399 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

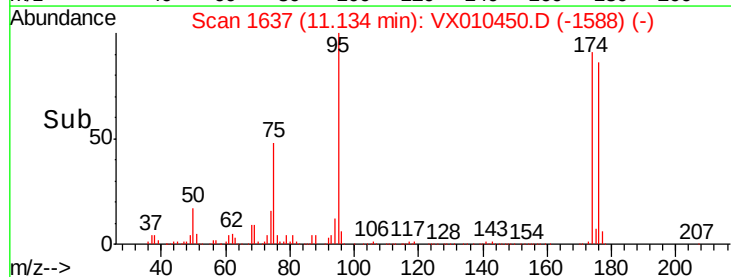
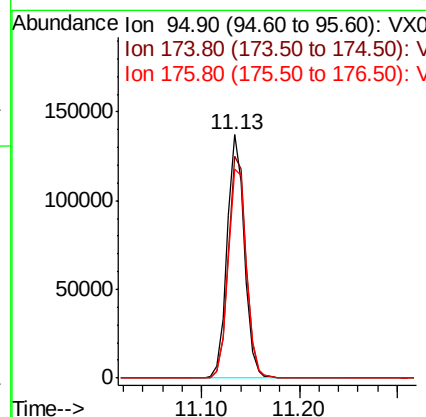
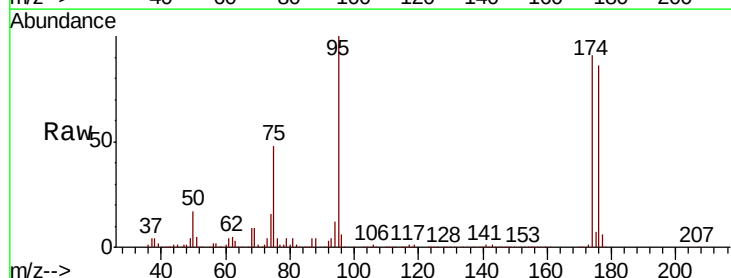
Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M24W1-061919

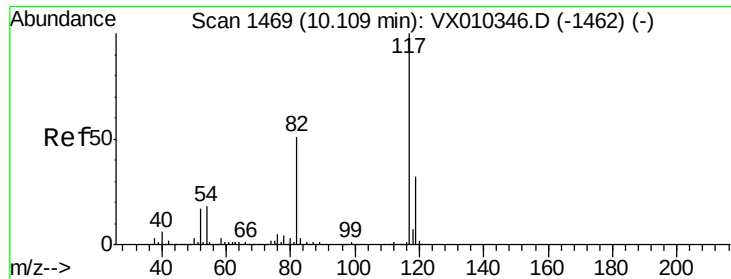
Tot Ion: 98 Resp: 491682
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.509 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

Tgt Ion: 95 Resp: 167334
Ion Ratio Lower Upper
95 100
174 94.5 0.0 187.6
176 91.3 0.0 184.0

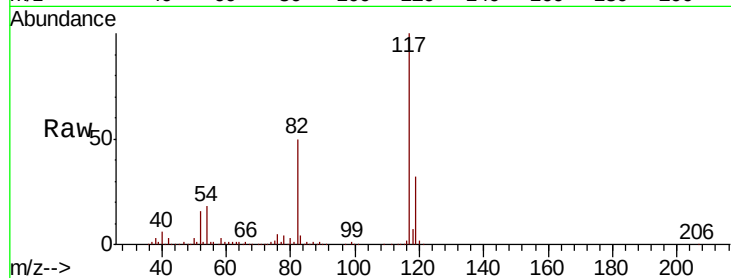




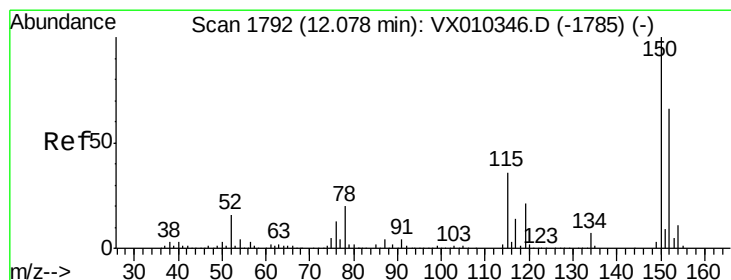
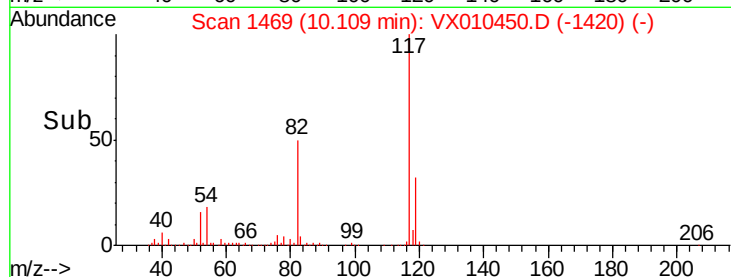
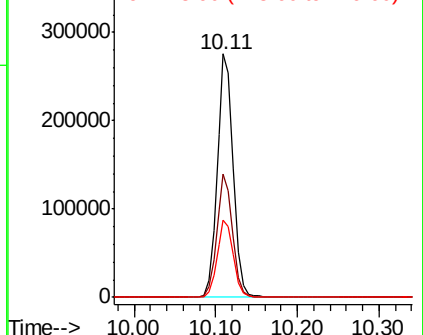
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M24W1-061919

Tot Ion:117 Resp: 378718
Ion Ratio Lower Upper
117 100
82 50.4 41.2 61.8
119 31.7 25.5 38.3

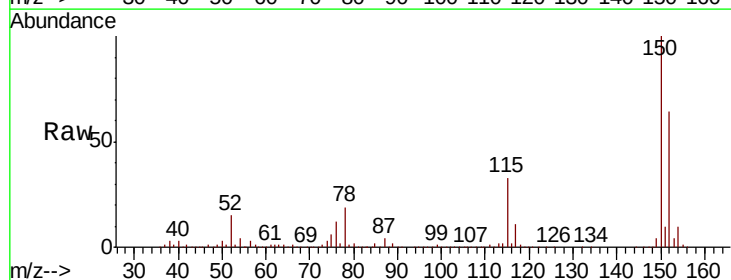


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

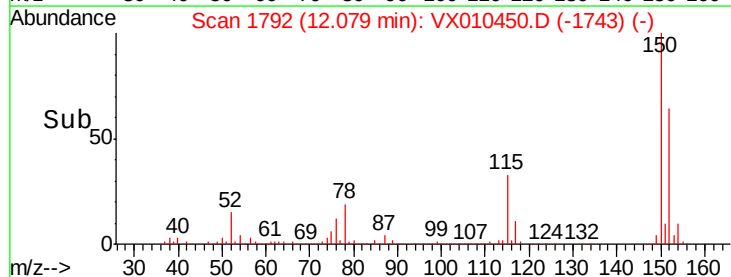
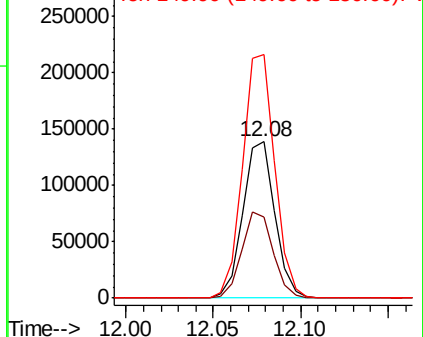


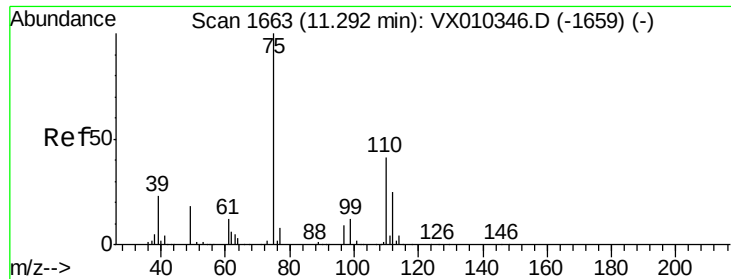
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010450.D
Acq: 26 Jun 2019 10:19

Tgt Ion:152 Resp: 175511
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 157.3 0.0 347.4



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

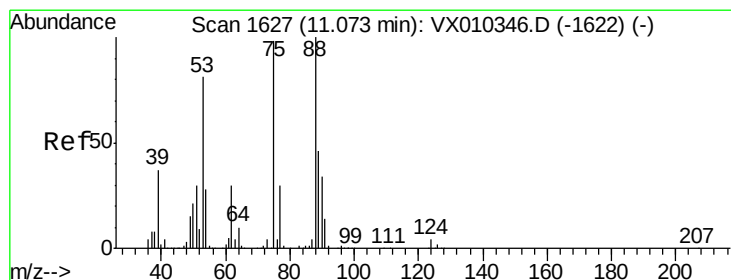
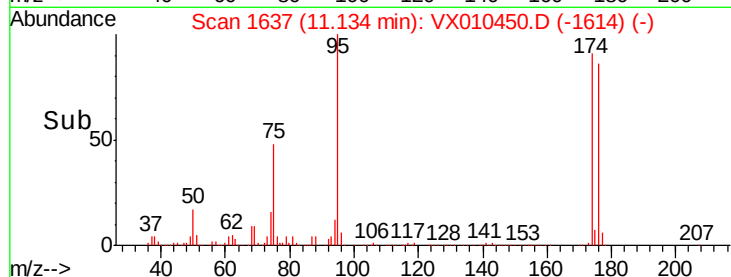
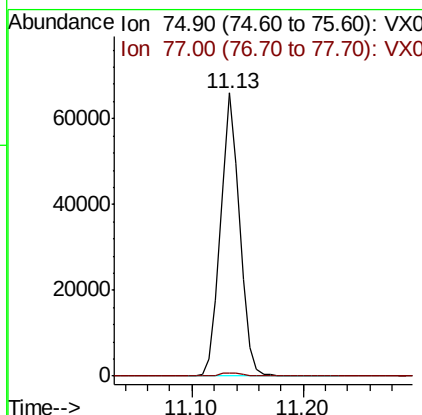
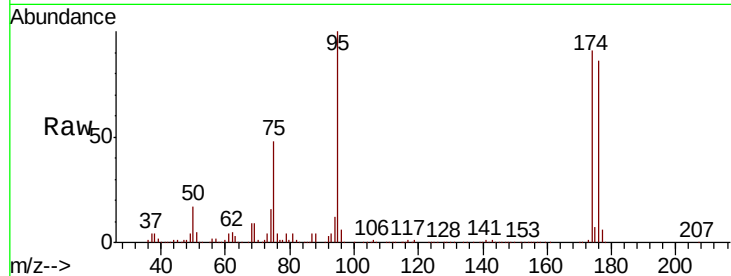




#76
 1,2,3-Trichloropropane
 Concen: 24.547 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010450.D
 Acq: 26 Jun 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-TB1-M24W1-061919

Tot Ion: 75 Resp: 78509
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.266 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010450.D
 Acq: 26 Jun 2019 10:19

Tgt Ion: 75 Resp: 78509
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

