

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008051.D
 Acq On : 13 Mar 2019 16:10
 Operator : JC/SP
 Sample : K1829-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-RB1-M20W2-030419

Quant Time: Mar 14 04:18:32 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	241672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	373985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182237	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	128014	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	5.50	113	119339	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	469936	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.13	95	176774	55.98	ug/l	0.00
Spiked Amount			Recovery	=	111.96%	

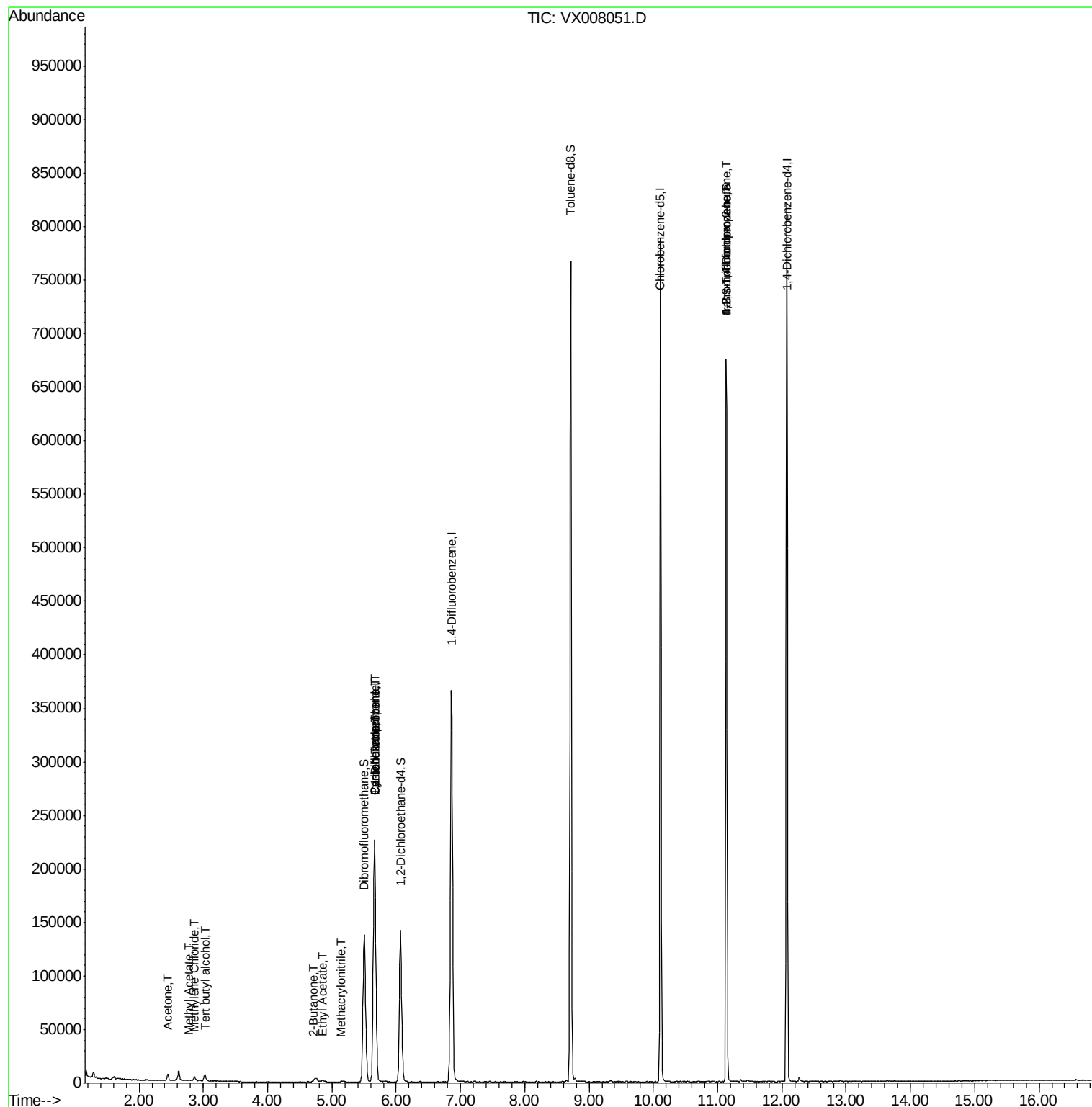
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	326	Below Cal	#	66
11) Tert butyl alcohol	3.03	59	3804	6.672	ug/l #	73
16) Acetone	2.45	43	6386	4.328	ug/l	97
17) Carbon Disulfide	2.57	76	1121	Below Cal	#	91
18) Methyl Acetate	2.78	43	675	0.215	ug/l #	90
20) Methylene Chloride	2.86	84	1572	0.669	ug/l	88
25) 2-Butanone	4.70	43	1307	0.626	ug/l	99
31) Cyclohexane	5.66	56	3517	0.898	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14438	4.159	ug/l #	49
37) Ethyl Acetate	4.86	43	2207	0.536	ug/l #	74
38) Carbon Tetrachloride	5.67	117	20464	6.209	ug/l #	16
41) Methacrylonitrile	5.15	41	455	0.203	ug/l #	30
76) 1,2,3-Trichloropropane	11.13	75	80828	21.136	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80828	67.563	ug/l #	11

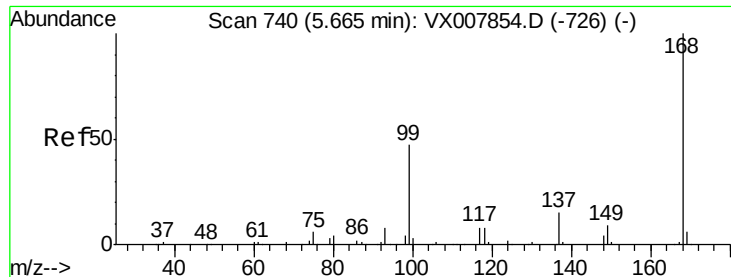
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008051.D

Acq: 13 Mar 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

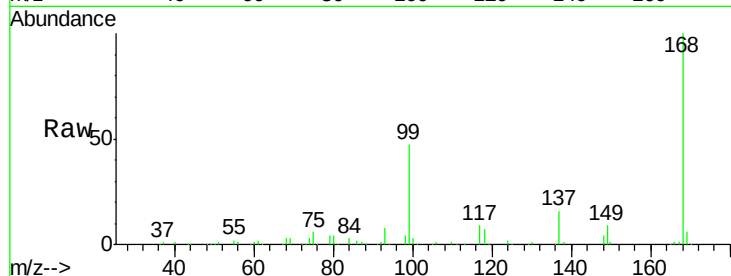
CPA-RB1-M20W2-030419

Tot Ion:168 Resp: 241672

Ion Ratio Lower Upper

168 100

99 47.3 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

80000

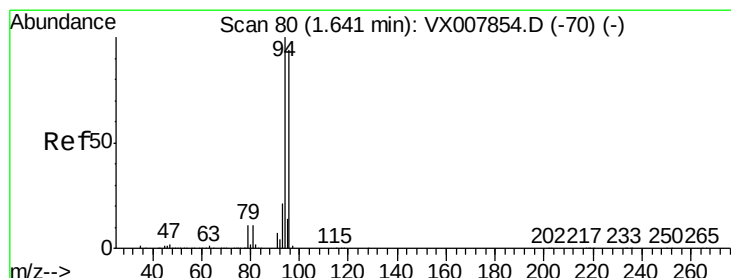
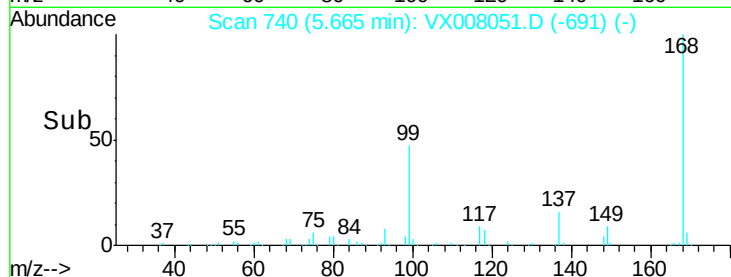
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008051.D

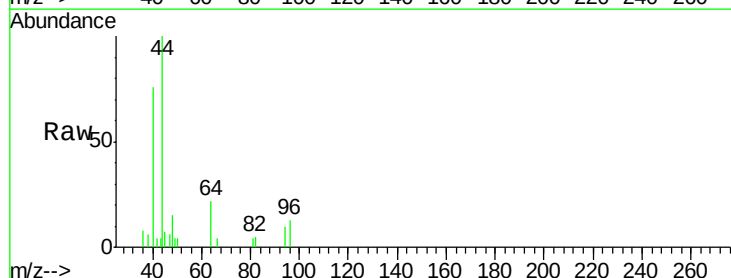
Acq: 13 Mar 2019 16:10

Tgt Ion: 94 Resp: 326

Ion Ratio Lower Upper

94 100

96 126.9 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

200

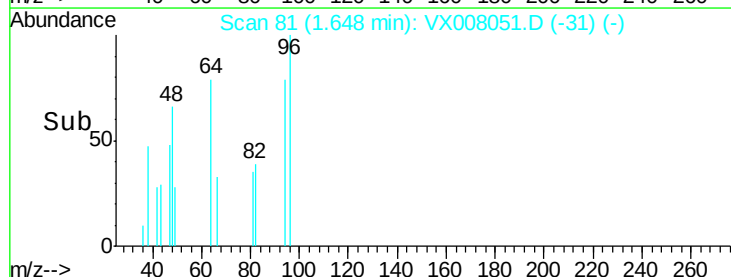
150

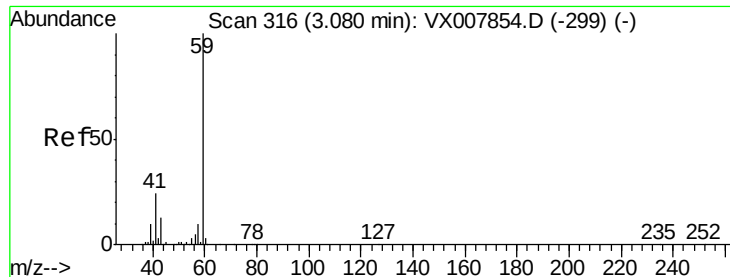
100

50

0

Time--> 1.60 1.65 1.70

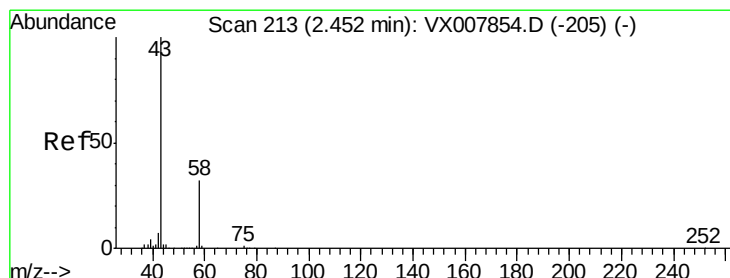
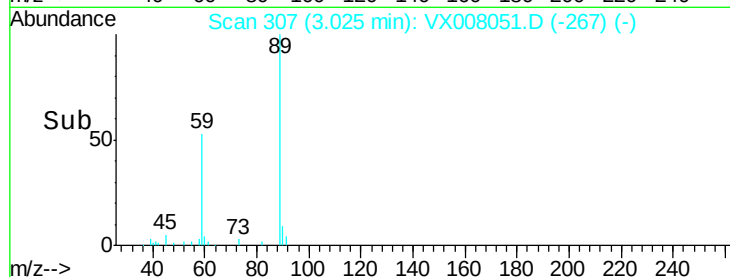
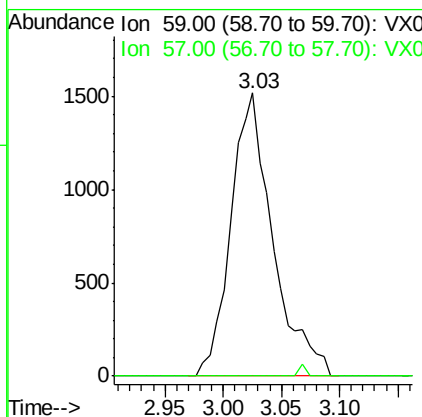
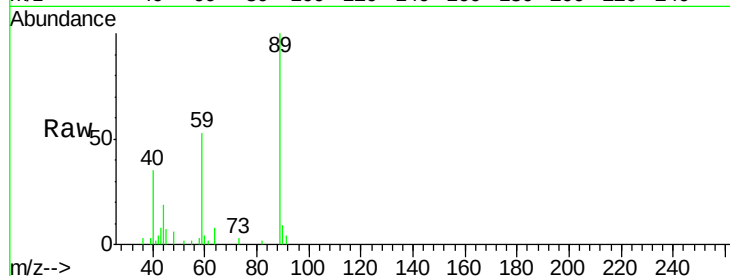




#11
Tert butyl alcohol
Concen: 6.672 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

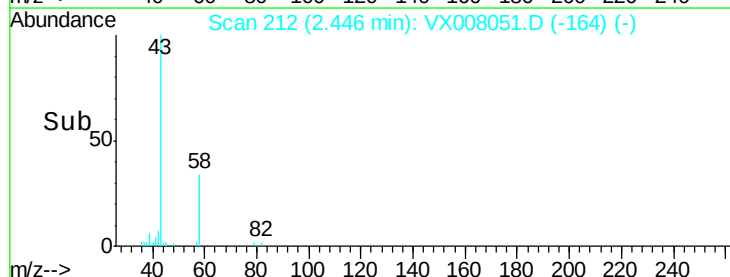
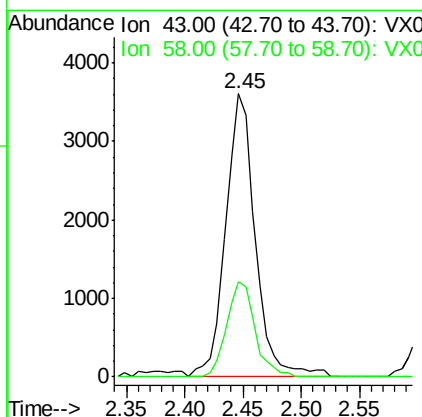
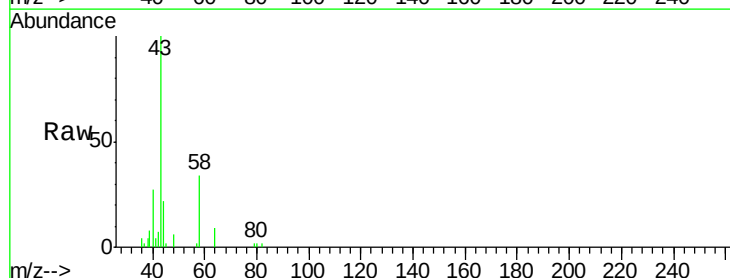
Instrument :
MSVOA_X
ClientSampleId :
CPA-RB1-M20W2-030419

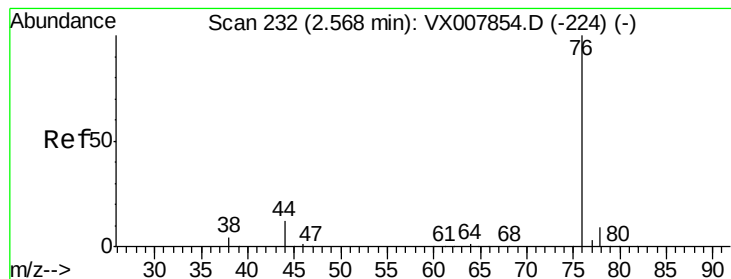
Tot Ion: 59 Resp: 3804
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 4.328 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Tgt Ion: 43 Resp: 6386
Ion Ratio Lower Upper
43 100
58 33.8 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008051.D

Acq: 13 Mar 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

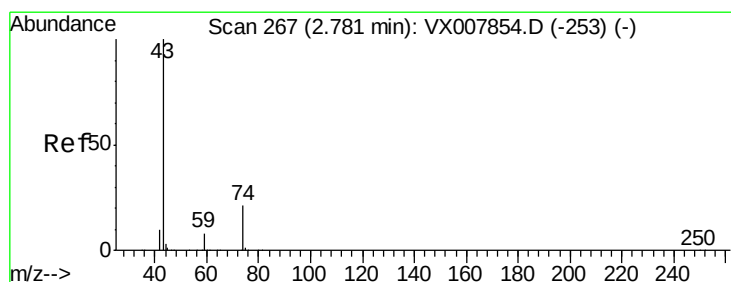
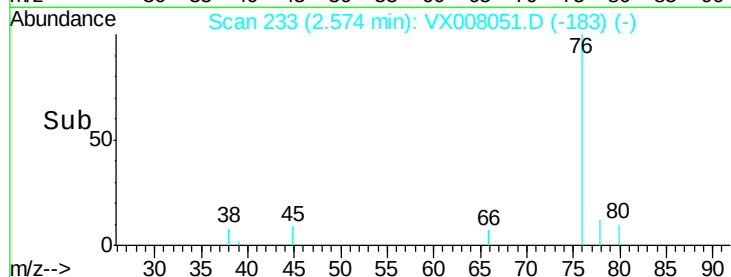
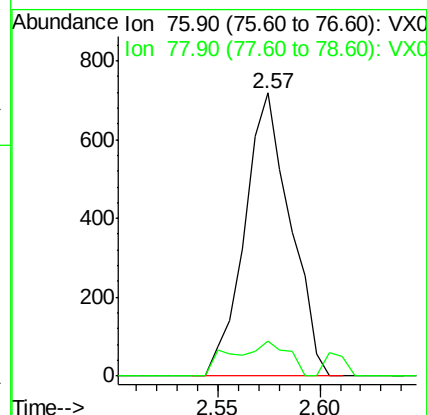
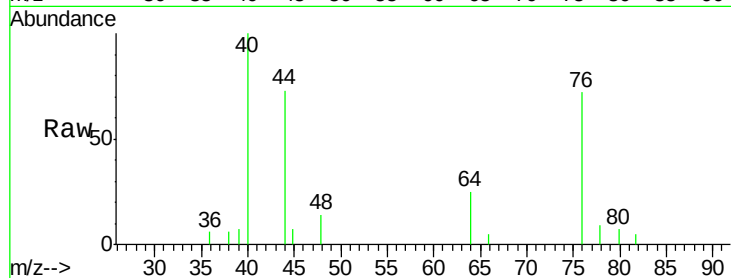
CPA-RB1-M20W2-030419

Tot Ion: 76 Resp: 1121

Ion Ratio Lower Upper

76 100

78 12.4 7.2 10.8#



#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008051.D

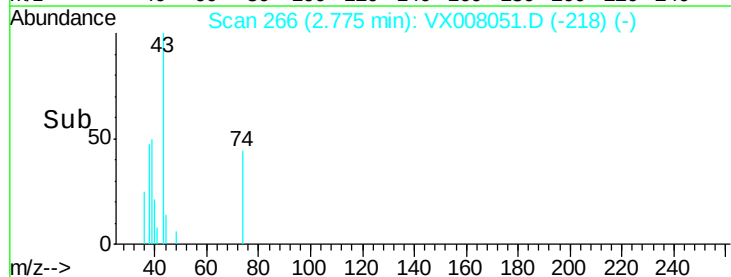
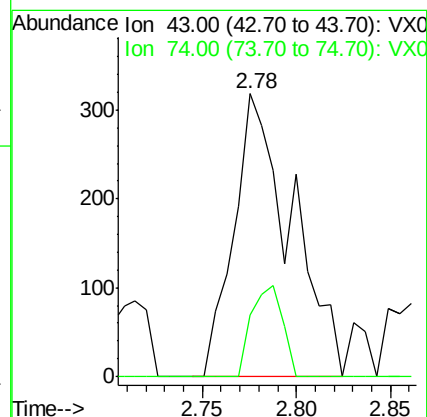
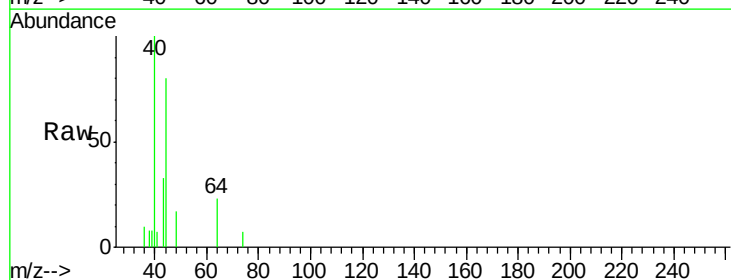
Acq: 13 Mar 2019 16:10

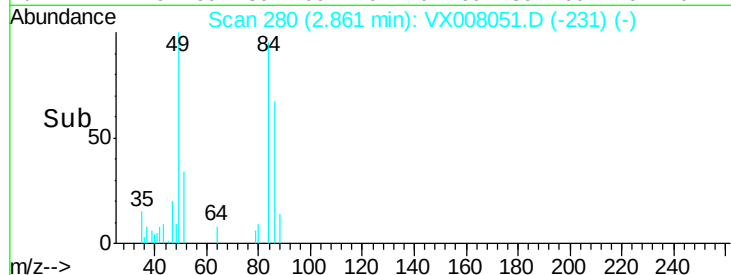
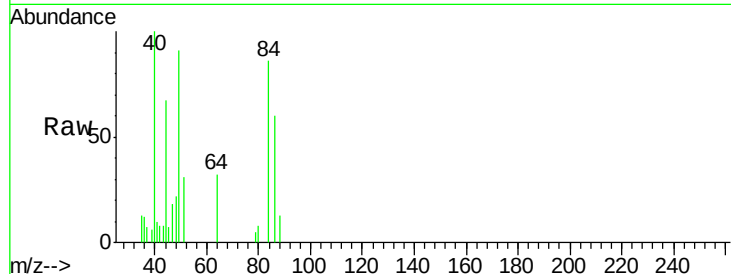
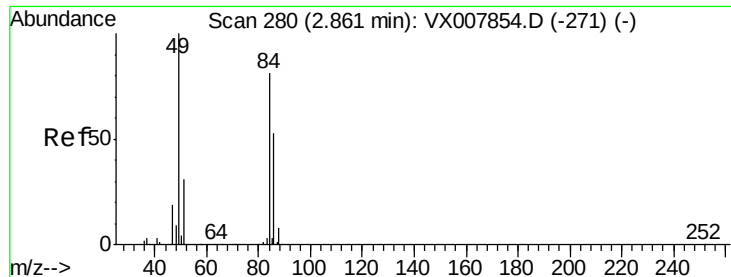
Tgt Ion: 43 Resp: 675

Ion Ratio Lower Upper

43 100

74 17.3 17.8 26.6#

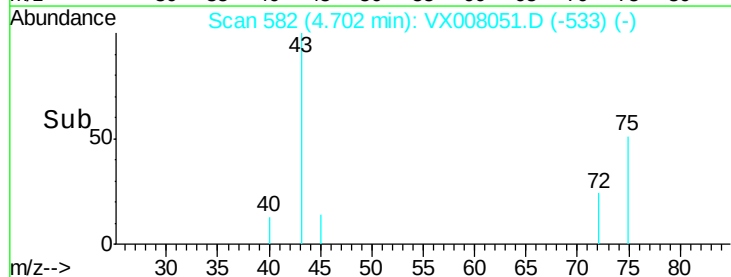
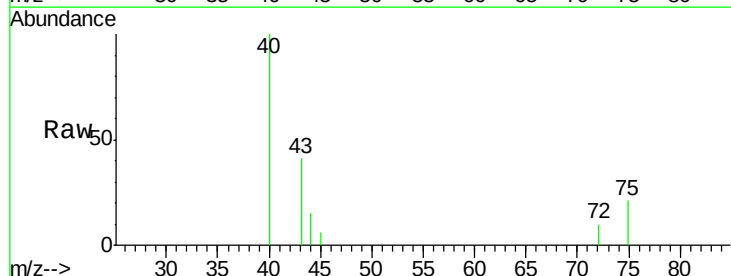
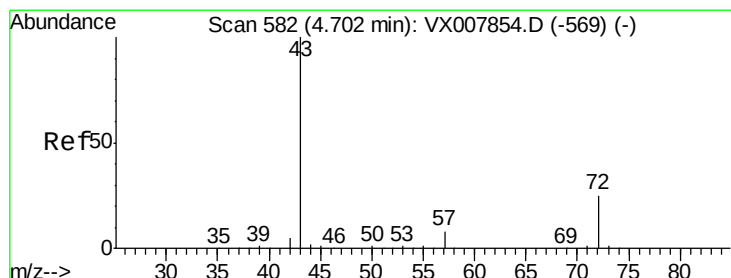
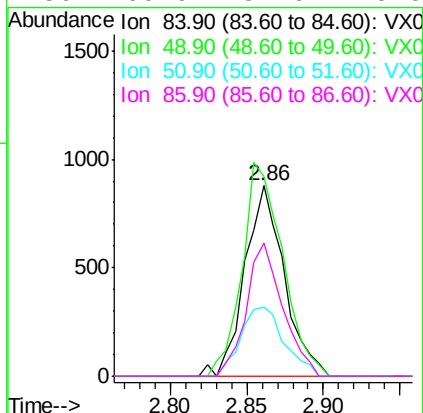




#20
Methylene Chloride
Concen: 0.669 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

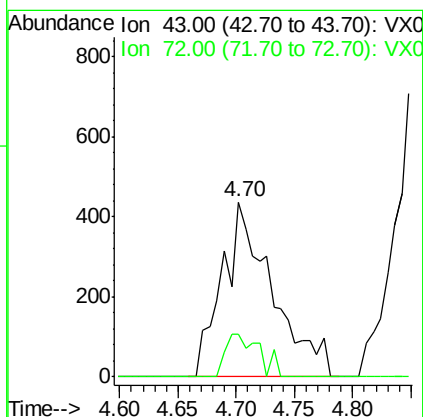
Instrument :
MSVOA_X
ClientSampleId :
CPA-RB1-M20W2-030419

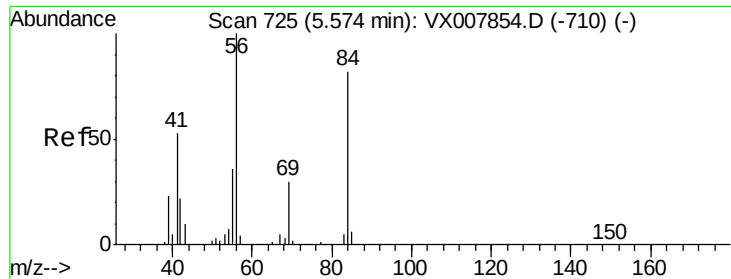
Tot Ion:	84	Resp:	1572
Ion	Ratio	Lower	Upper
84	100		
49	104.9	99.3	148.9
51	36.0	31.3	46.9
86	69.9	52.6	79.0



#25
2-Butanone
Concen: 0.626 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Tgt Ion:	43	Resp:	1307
Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.9	29.9

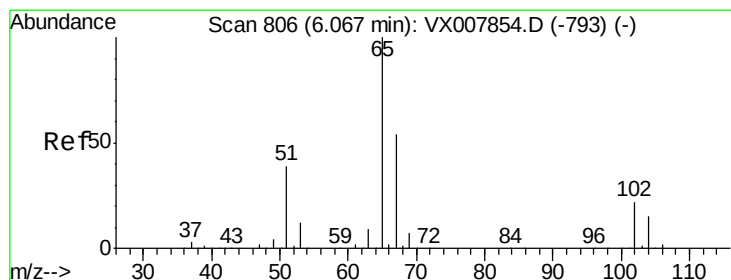
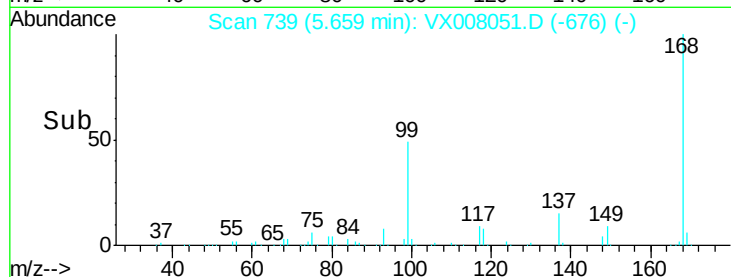
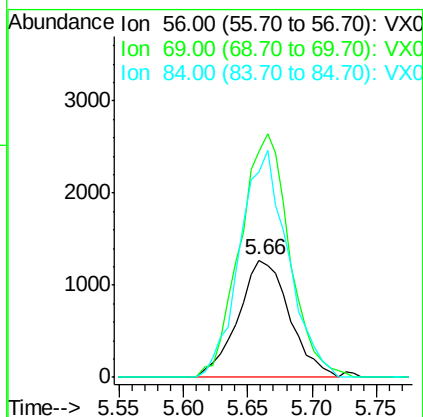
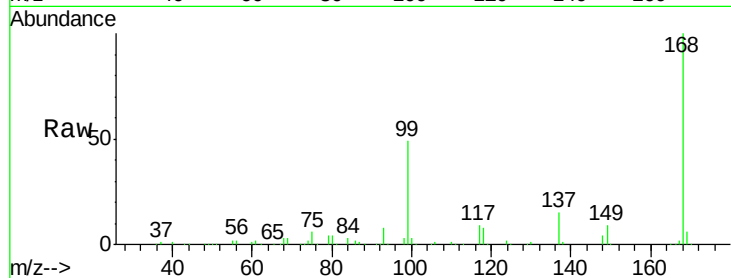




#31
Cyclohexane
Concen: 0.898 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

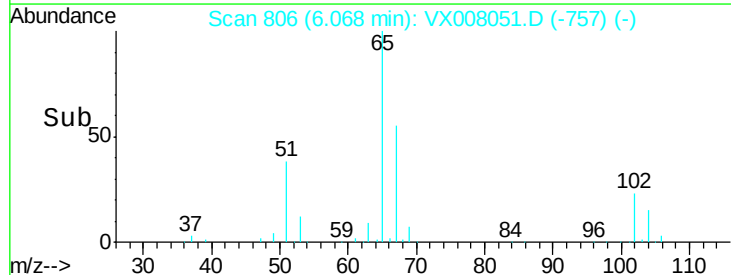
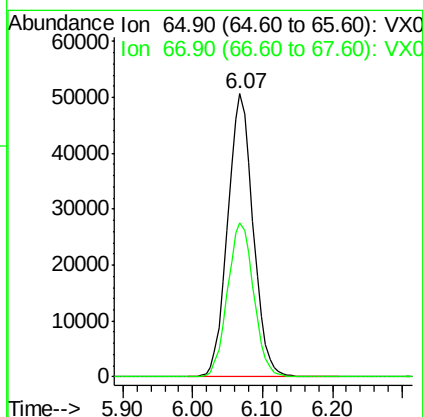
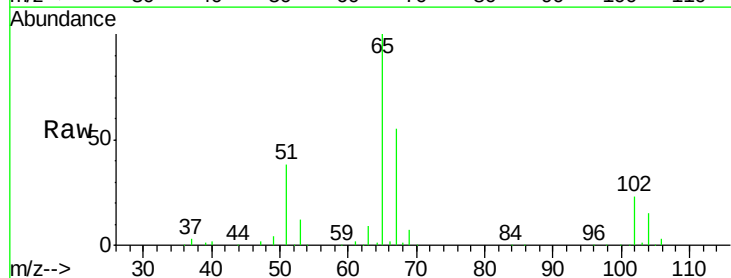
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MSVOA_X
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CPA-RB1-M20W2-030419

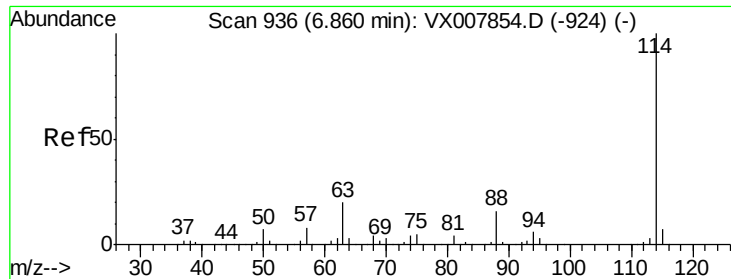
Tot Ion: 56 Resp: 3517
Ion Ratio Lower Upper
56 100
69 192.4 24.0 36.0#
84 175.1 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 50.213 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Tgt Ion: 65 Resp: 128014
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.0

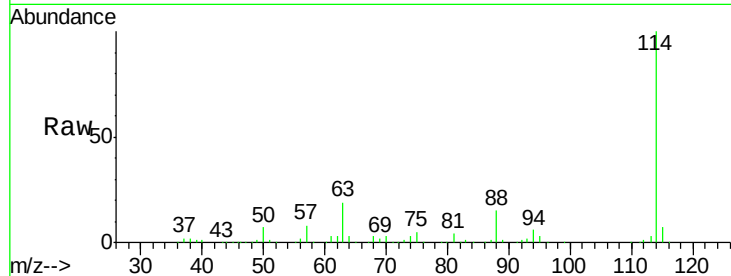




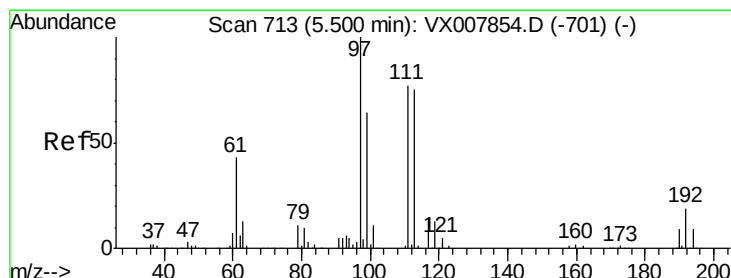
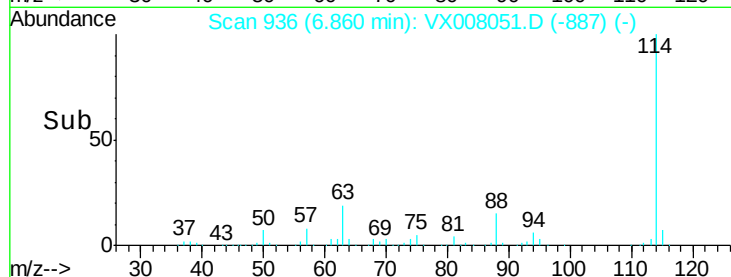
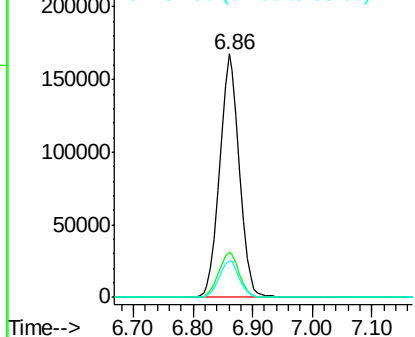
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008051.D
 Acq: 13 Mar 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-RB1-M20W2-030419

Tot Ion:114 Resp: 383379
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.8
 88 15.1 0.0 31.4

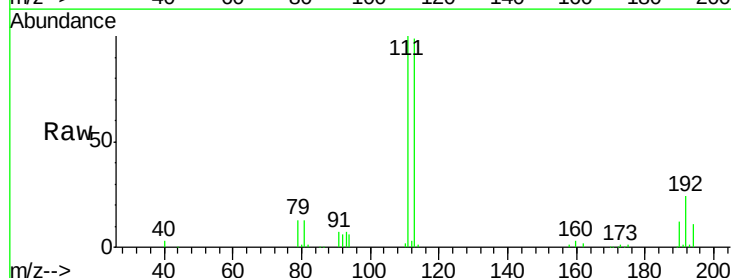


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

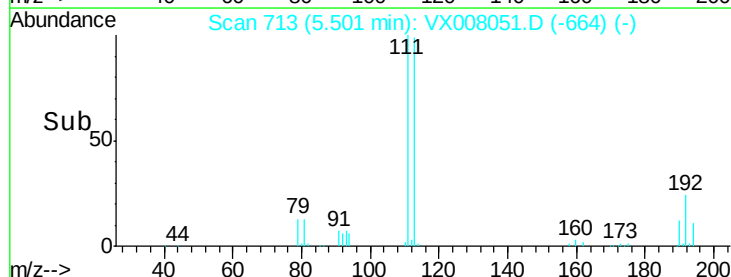
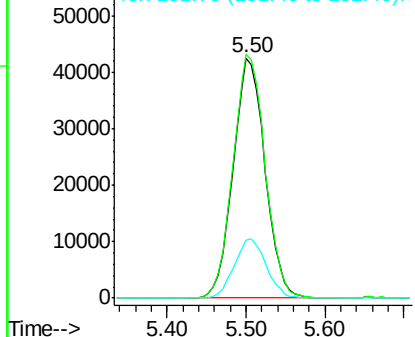


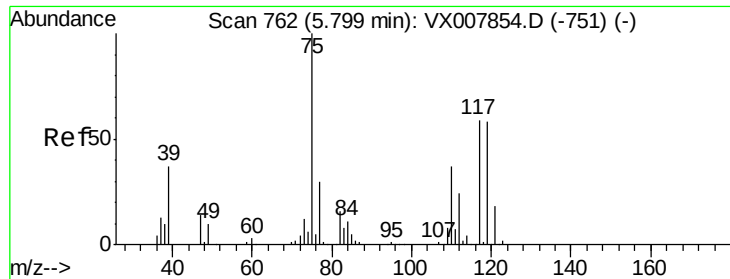
#35
 Dibromofluoromethane
 Concen: 48.663 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008051.D
 Acq: 13 Mar 2019 16:10

Tgt Ion:113 Resp: 119339
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 24.8 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

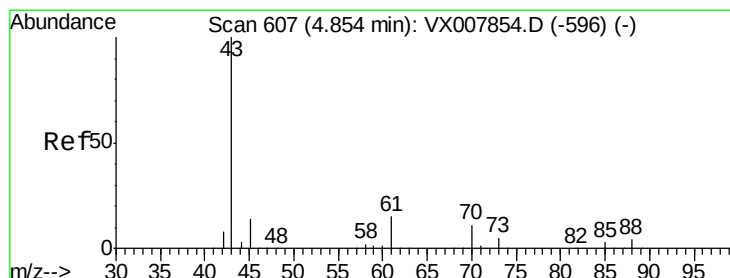
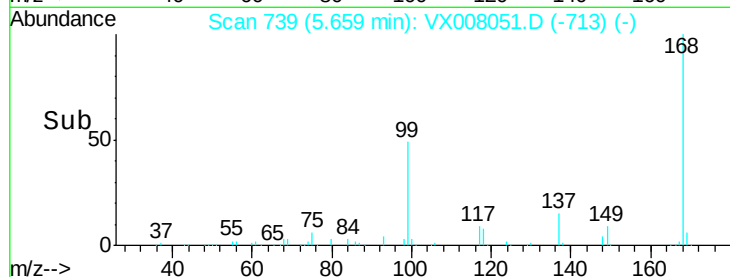
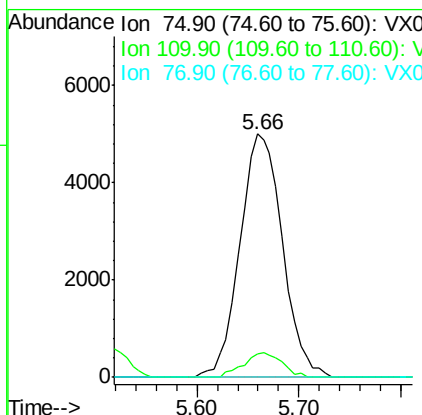
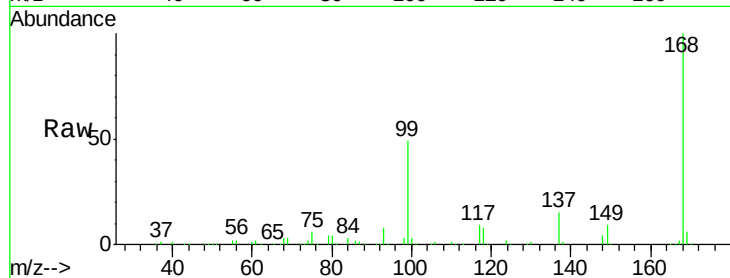




#36
 1,1-Dichloropropene
 Concen: 4.159 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008051.D
 Acq: 13 Mar 2019 16:10

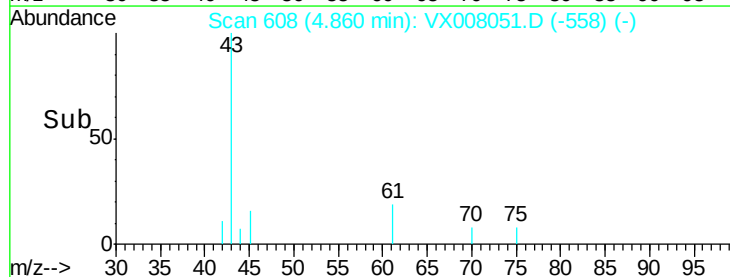
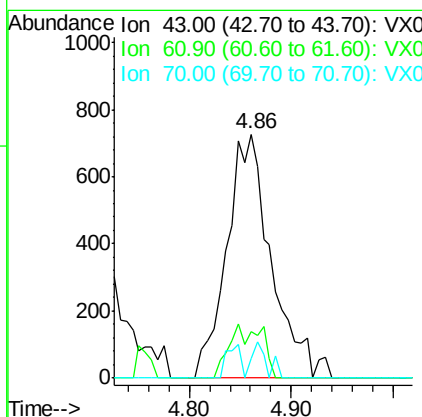
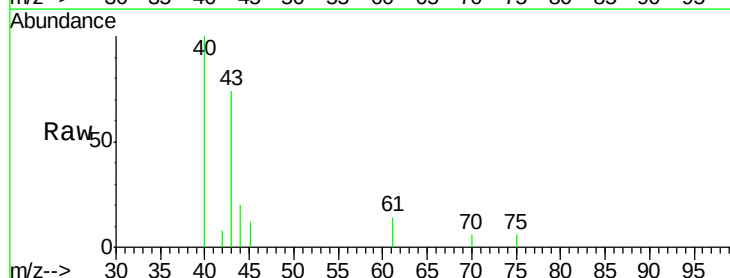
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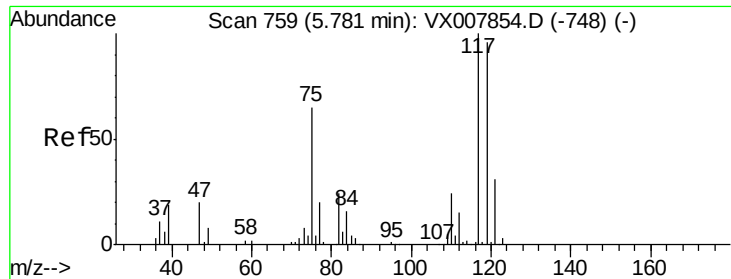
Tot Ion: 75 Resp: 14438
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.536 ug/l
 RT: 4.86 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX008051.D
 Acq: 13 Mar 2019 16:10

Tgt Ion: 43 Resp: 2207
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 5.0 8.5 12.7#

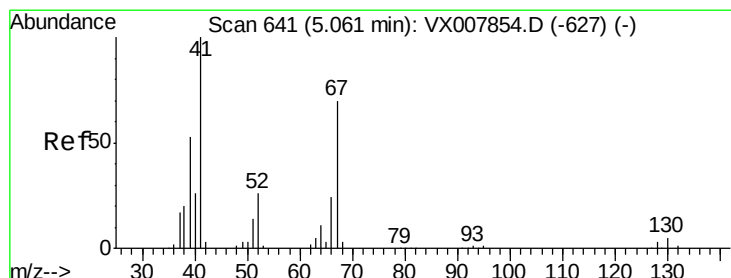
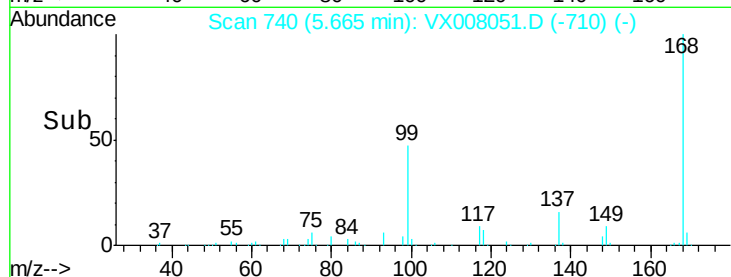
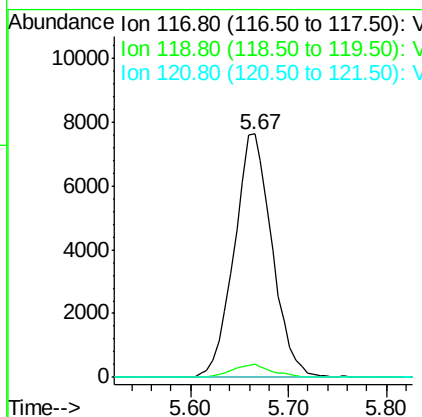
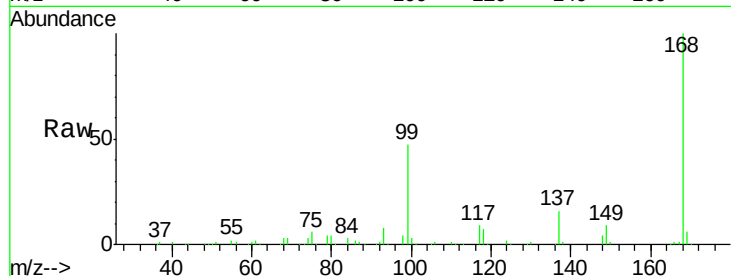




#38
Carbon Tetrachloride
Concen: 6.209 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

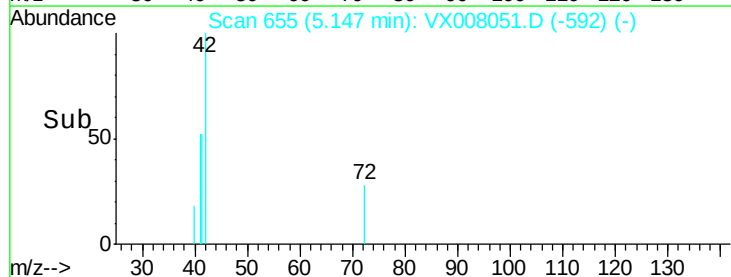
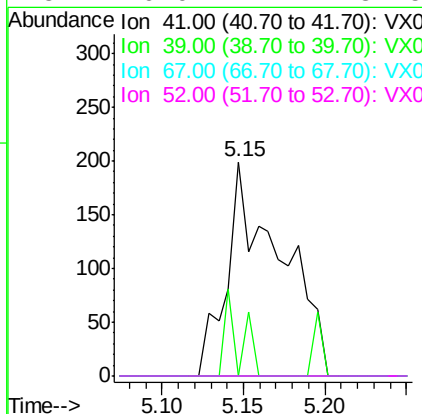
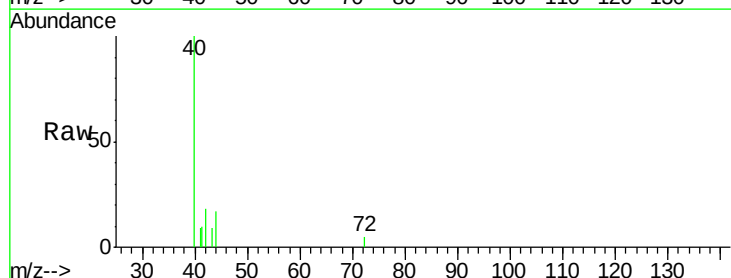
Instrument :
MSVOA_X
ClientSampleId :
CPA-RB1-M20W2-030419

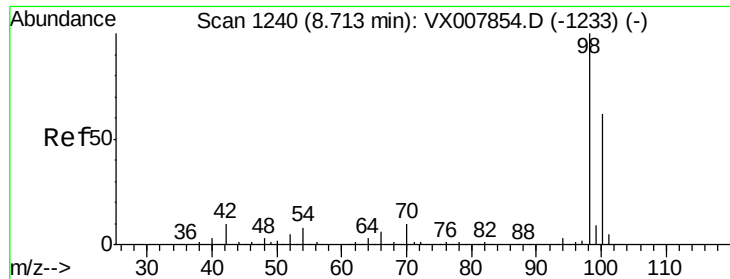
Tot Ion:117 Resp: 20464
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.09 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Tgt Ion: 41 Resp: 455
Ion Ratio Lower Upper
41 100
39 11.2 41.6 62.4#
67 0.0 55.8 83.6#
52 0.0 21.7 32.5#

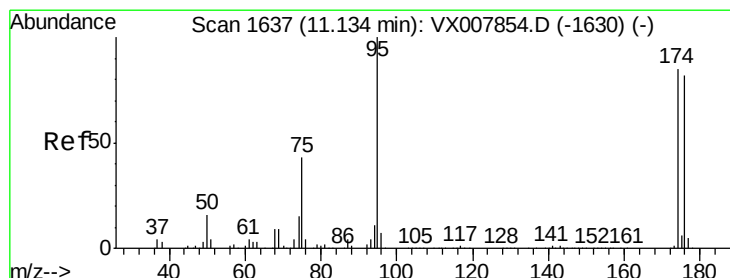
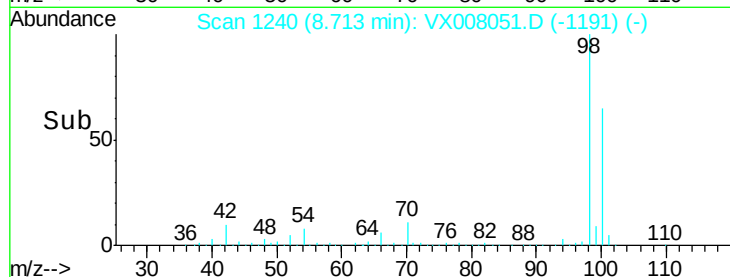
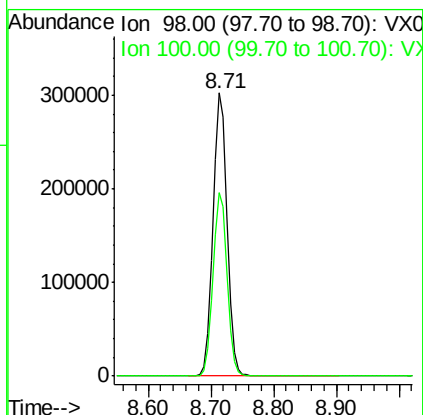
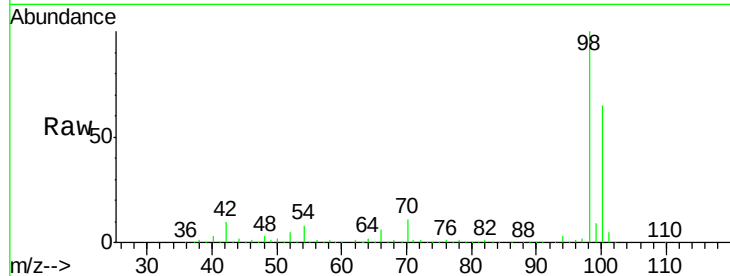




#50
Toluene-d8
Concen: 52.178 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

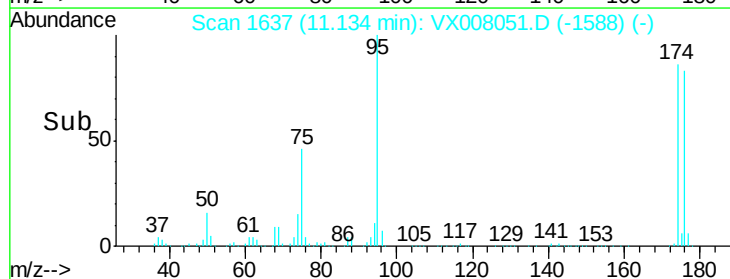
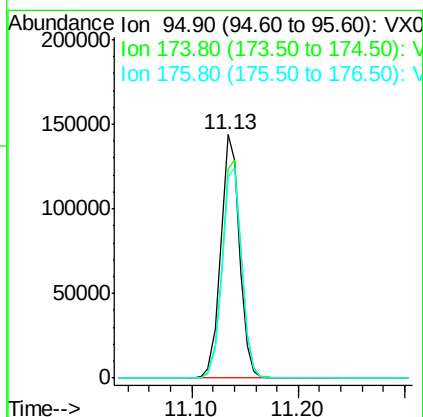
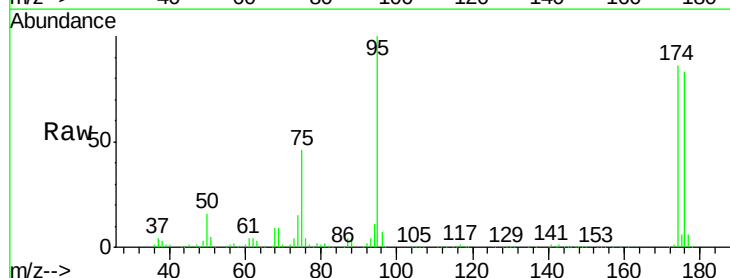
Instrument :
MSVOA_X
ClientSampleId :
CPA-RB1-M20W2-030419

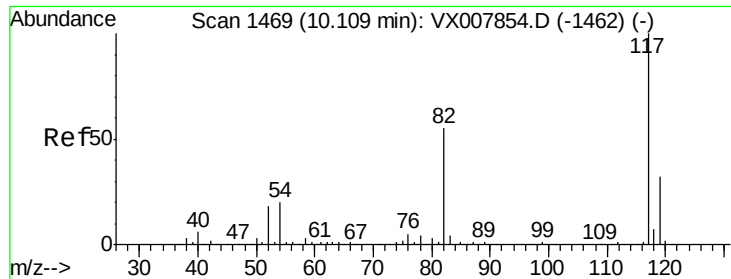
Tot Ion: 98 Resp: 469936
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 55.983 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Tgt Ion: 95 Resp: 176774
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.8
176 90.0 0.0 178.0

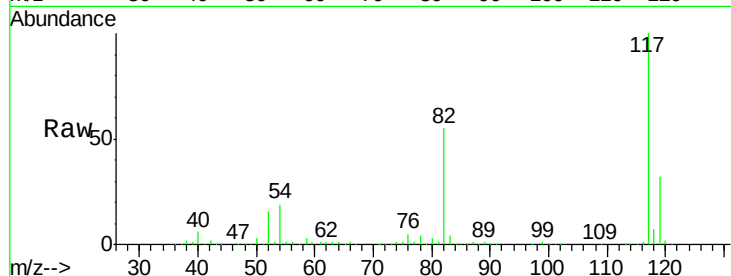




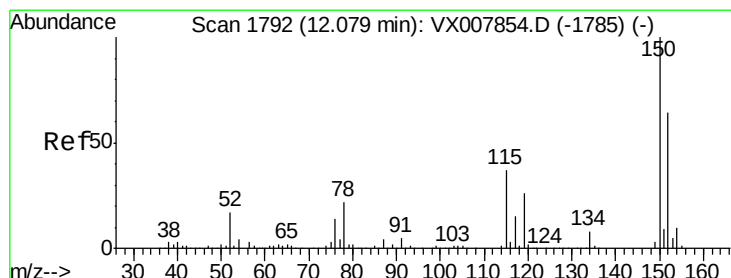
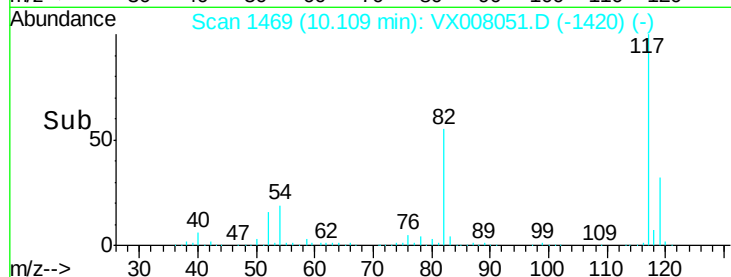
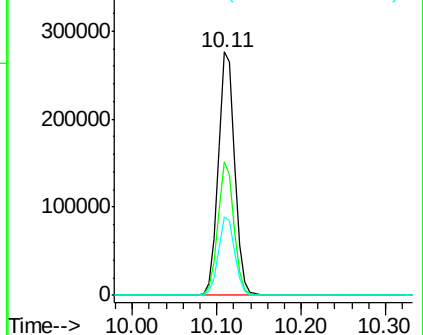
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
CPA-RB1-M20W2-030419

Tot Ion:117 Resp: 373985
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.0 25.3 37.9

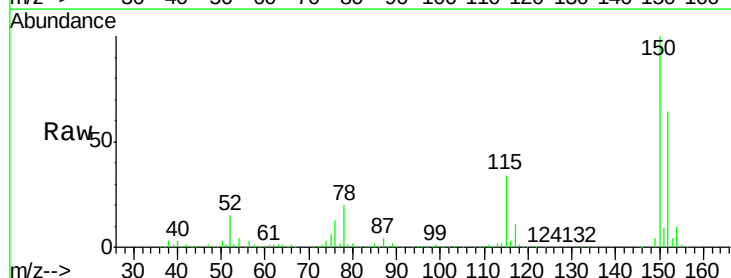


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

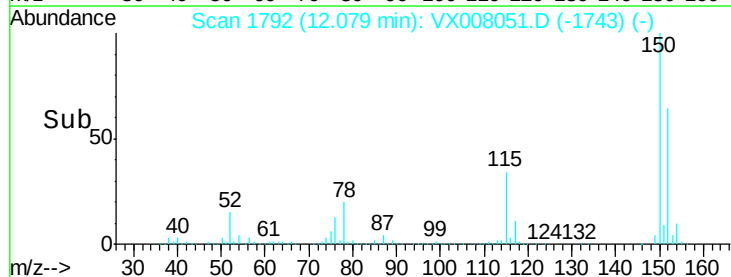
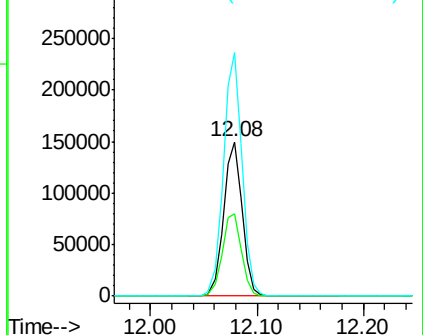


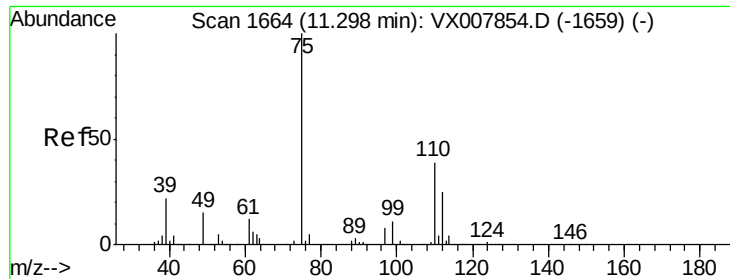
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008051.D
Acq: 13 Mar 2019 16:10

Tgt Ion:152 Resp: 182237
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 157.4 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

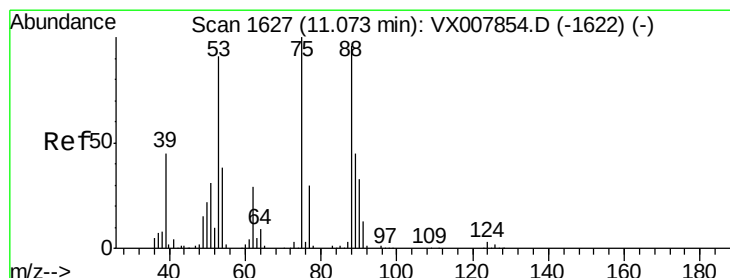
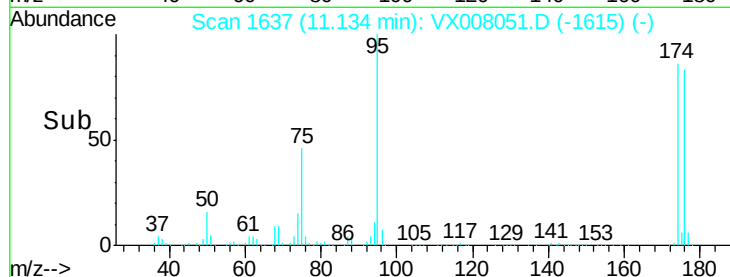
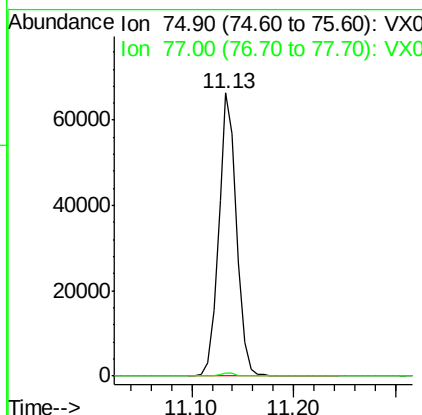
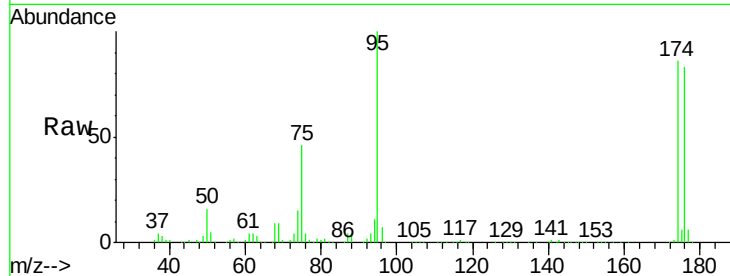




#76
 1,2,3-Trichloropropane
 Concen: 21.136 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008051.D
 Acq: 13 Mar 2019 16:10

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-RB1-M20W2-030419

Tot Ion: 75 Resp: 80828
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.563 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008051.D
 Acq: 13 Mar 2019 16:10

Tgt Ion: 75 Resp: 80828
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

