

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004311.D
 Acq On : 30 Aug 2018 00:18
 Operator : JC/MD
 Sample : J4681-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-SW-18-M12W4-082218

Quant Time: Aug 30 02:14:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195841	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	179290	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	
35) Dibromofluoromethane	5.50	113	157106	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	8.71	98	563307	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	197072	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

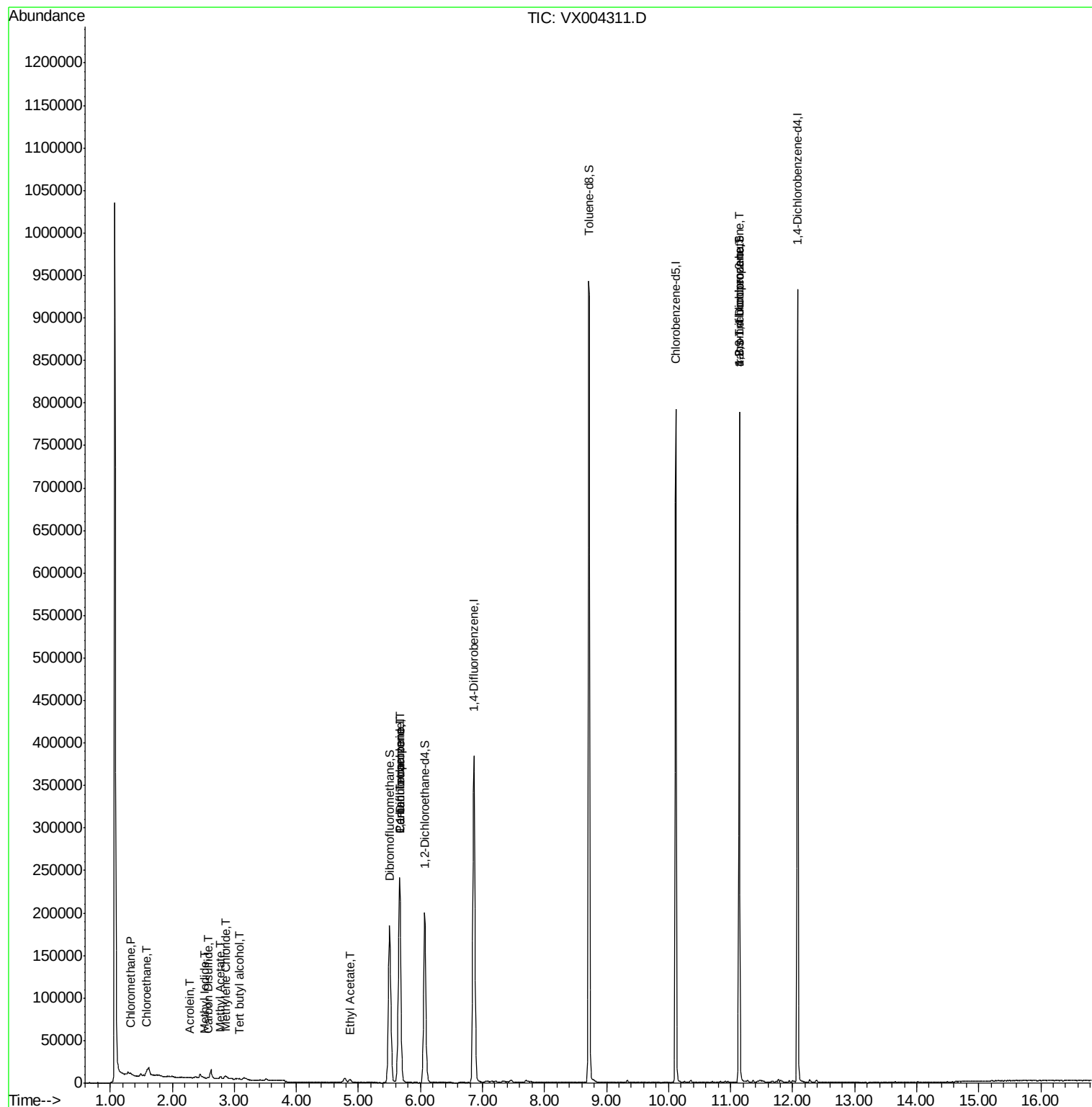
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1035	0.61	ug/l	98
5) Bromomethane	1.64	94	1310	Below Cal		87
6) Chloroethane	1.57	64	3490	2.30	ug/l #	63
10) Methyl Iodide	2.51	142	621	4.45	ug/l #	90
11) Tert butyl alcohol	3.08	59	891	1.29	ug/l #	90
13) Acrolein	2.29	56	155	0.93	ug/l #	42
16) Acetone	2.45	43	4941	Below Cal		99
17) Carbon Disulfide	2.57	76	935	0.92	ug/l #	92
18) Methyl Acetate	2.78	43	2732	0.57	ug/l	98
20) Methylene Chloride	2.85	84	1127	0.36	ug/l #	86
25) 2-Butanone	4.71	43	691	Below Cal		84
36) 1,1-Dichloropropene	5.66	75	16748	3.80	ug/l #	49
37) Ethyl Acetate	4.86	43	6050	1.40	ug/l	98
38) Carbon Tetrachloride	5.67	117	21899	5.29	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	92182	23.14	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	92182	75.09	ug/l #	10
94) Hexachlorobutadiene	13.78	225	252	Below Cal		71

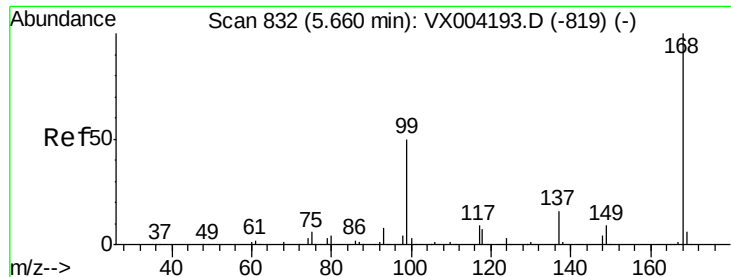
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

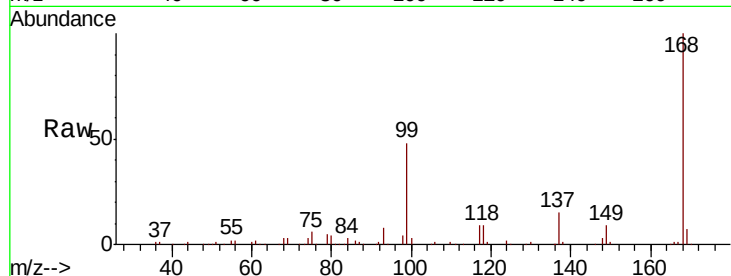
CPA-SW-18-M12W4-082218

Tot Ion:168 Resp: 247937

Ion Ratio Lower Upper

168 100

99 48.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

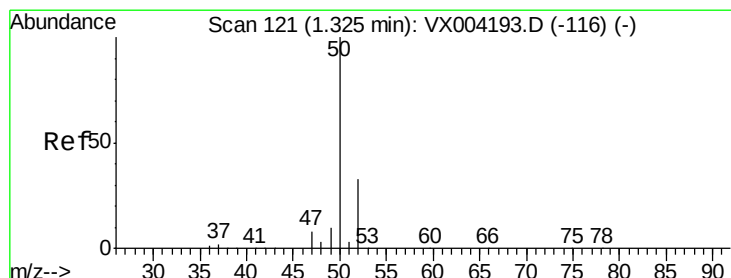
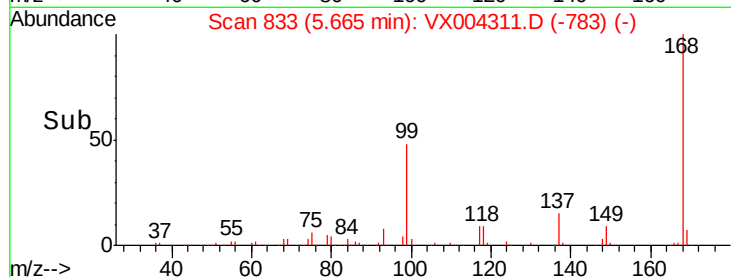
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004311.D

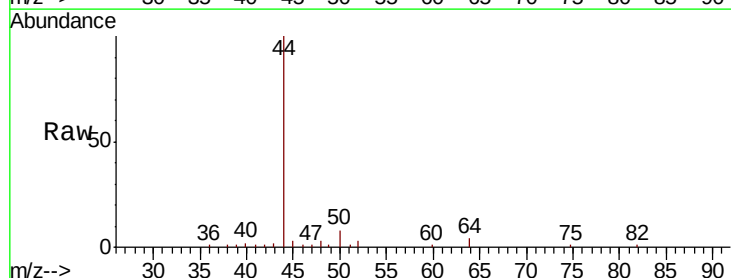
Acq: 30 Aug 2018 00:18

Tgt Ion: 50 Resp: 1035

Ion Ratio Lower Upper

50 100

52 34.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

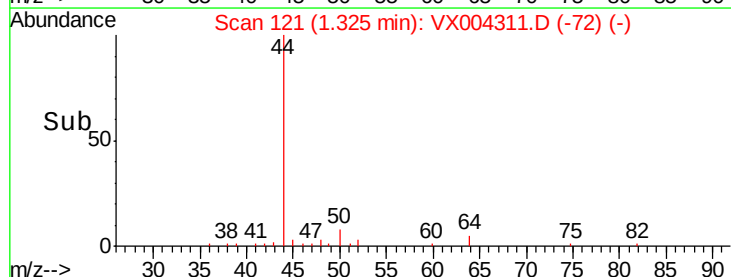
400

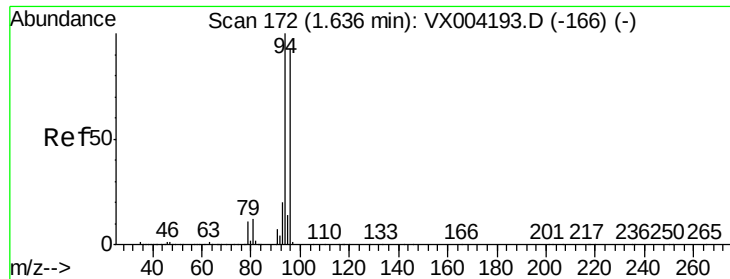
200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

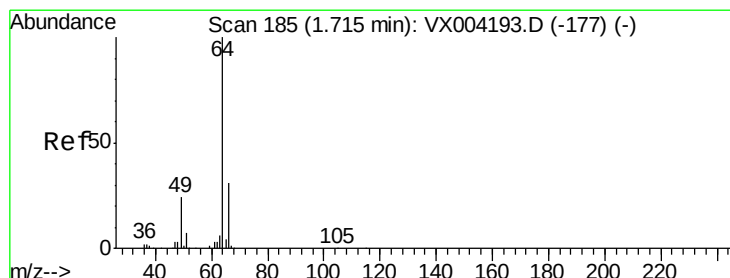
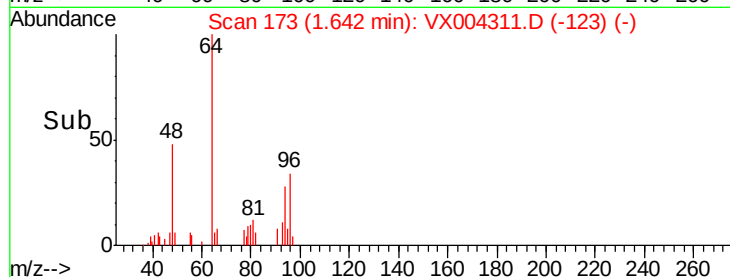
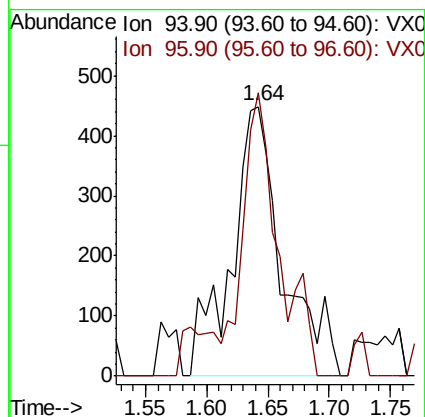
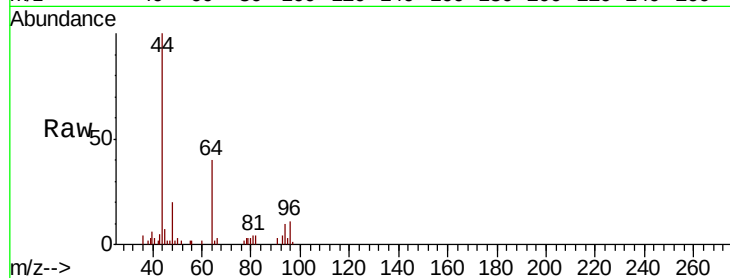
CPA-SW-18-M12W4-082218

Tot Ion: 94 Resp: 1310

Ion Ratio Lower Upper

94 100

96 105.1 74.5 111.7



#6

Chloroethane

Concen: 2.30 ug/l

RT: 1.57 min Scan# 162

Delta R.T. -0.14 min

Lab File: VX004311.D

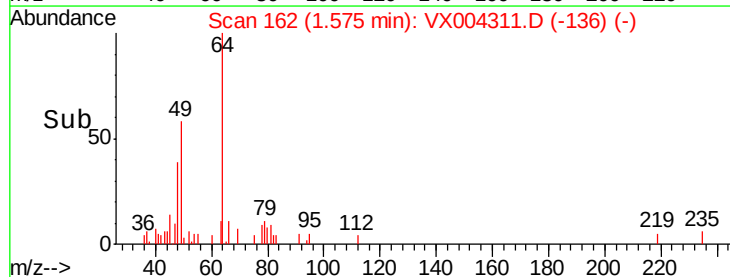
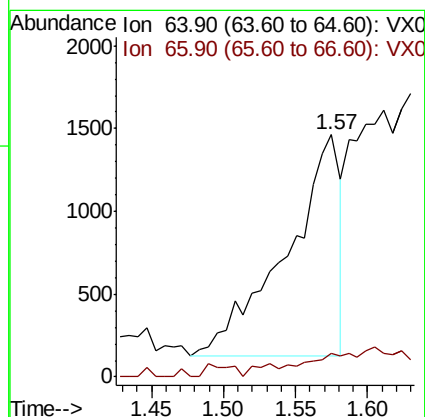
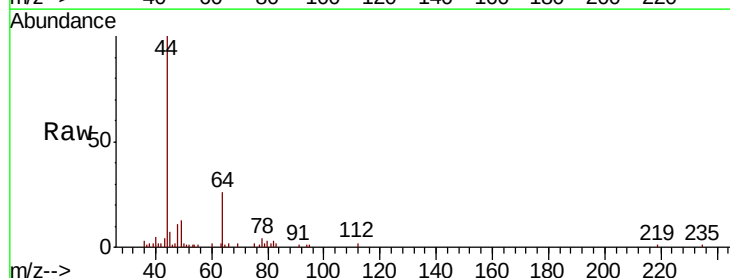
Acq: 30 Aug 2018 00:18

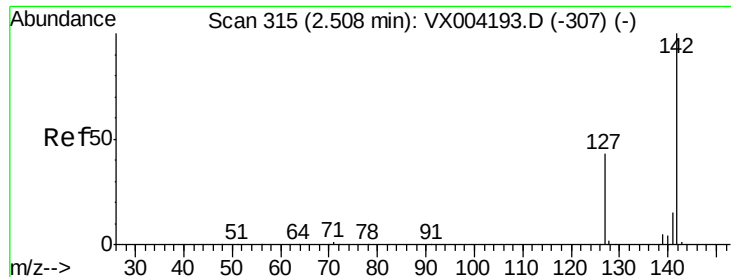
Tgt Ion: 64 Resp: 3490

Ion Ratio Lower Upper

64 100

66 10.5 24.6 36.8#

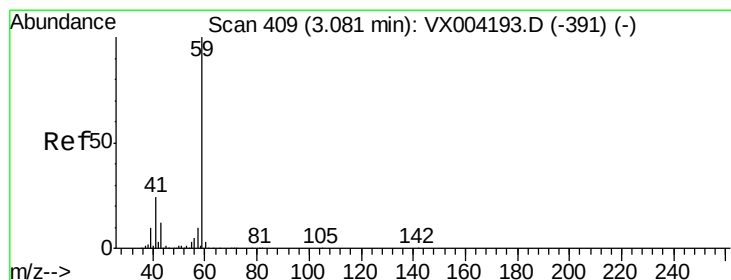
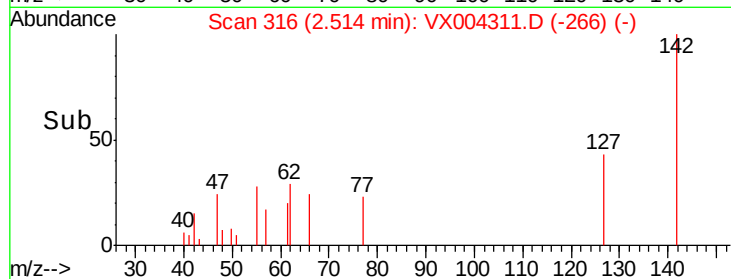
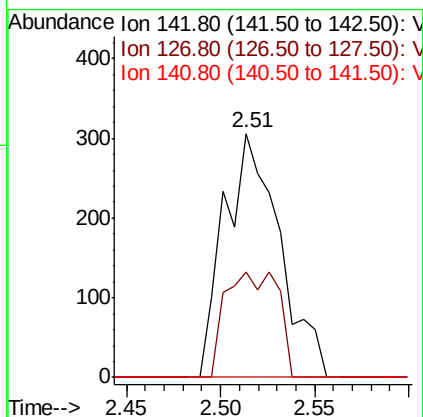
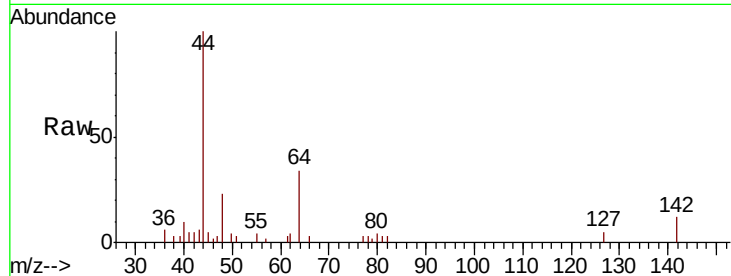




#10
Methyl Iodide
Concen: 4.45 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004311.D
Acq: 30 Aug 2018 00:18

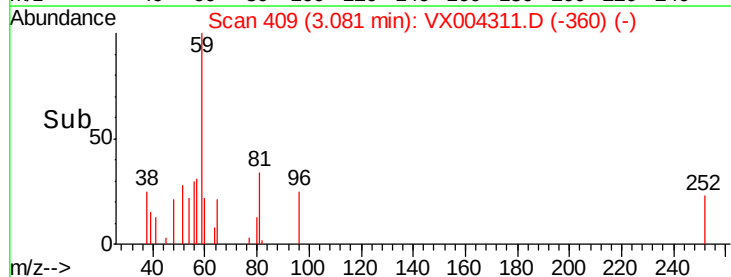
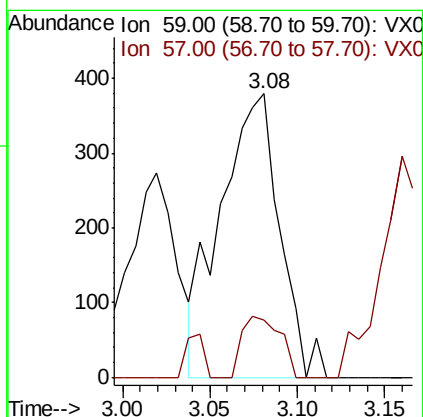
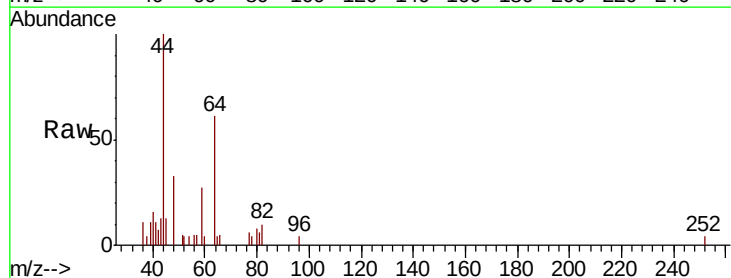
Instrument :
MSVOA_X
ClientSampleId :
CPA-SW-18-M12W4-082218

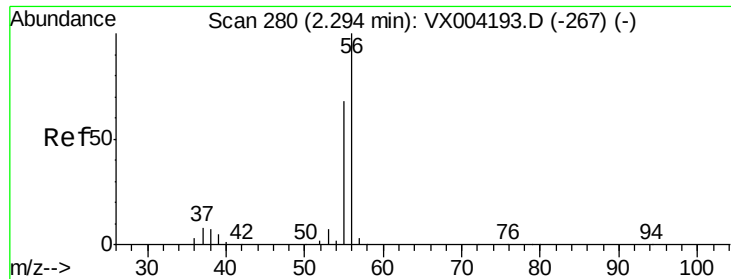
Tot Ion:142 Resp: 621
Ion Ratio Lower Upper
142 100
127 41.5 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.29 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX004311.D
Acq: 30 Aug 2018 00:18

Tgt Ion: 59 Resp: 891
Ion Ratio Lower Upper
59 100
57 13.9 8.2 12.4#





#13

Acrolein

Concen: 0.93 ua/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

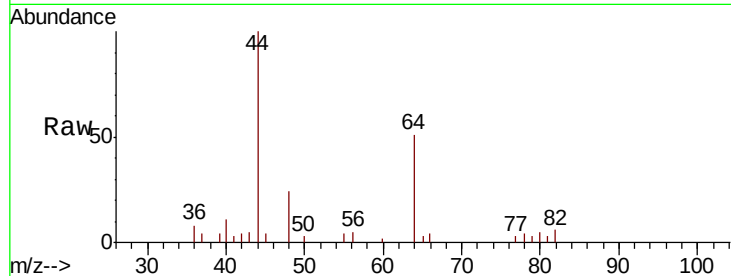
CPA-SW-18-M12W4-082218

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

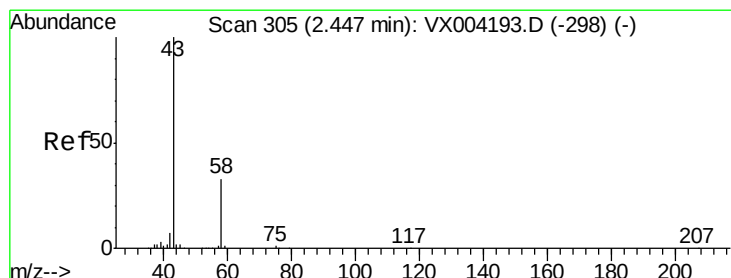
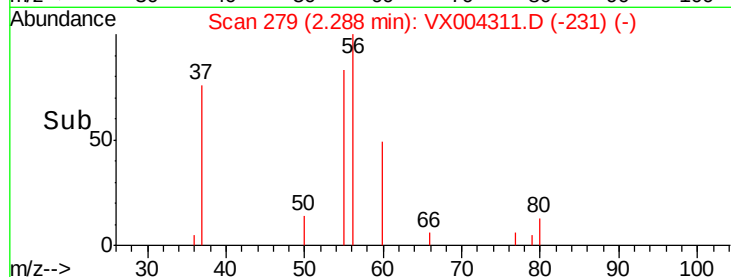
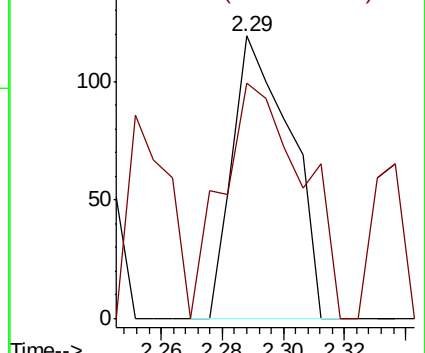
56 100

55 115.5 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004311.D

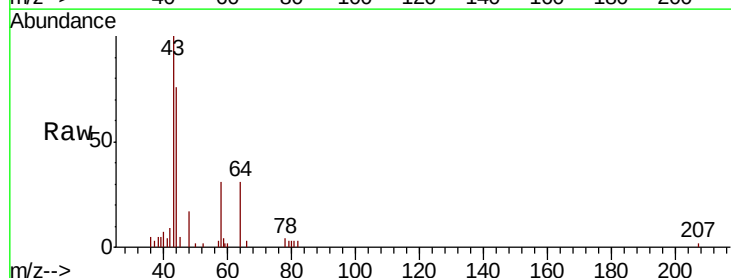
Acq: 30 Aug 2018 00:18

Tgt Ion: 43 Resp: 4941

Ion Ratio Lower Upper

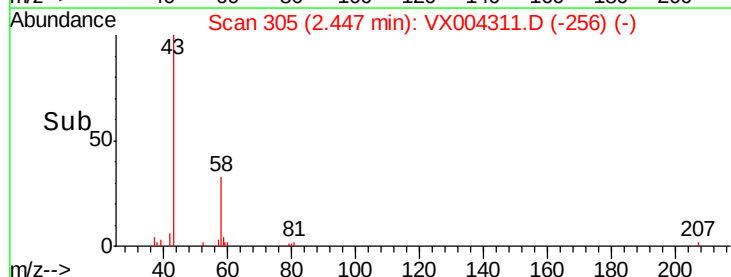
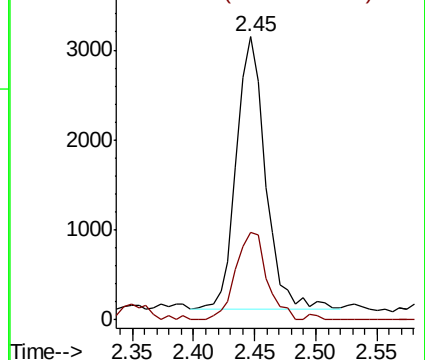
43 100

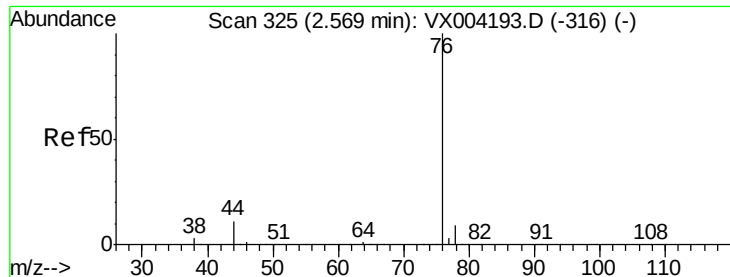
58 32.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.92 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

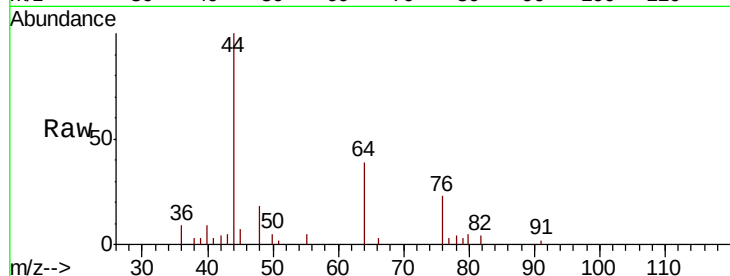
CPA-SW-18-M12W4-082218

Tot Ion: 76 Resp: 935

Ion Ratio Lower Upper

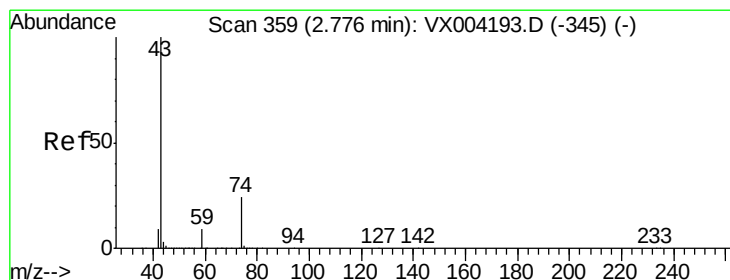
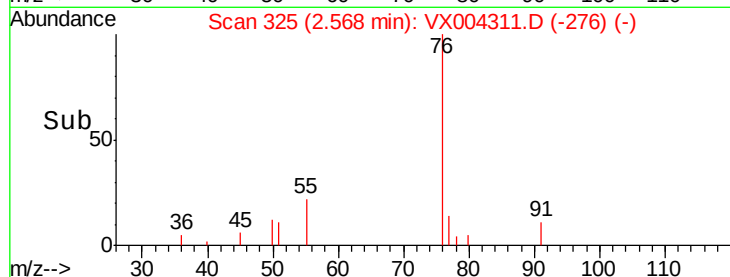
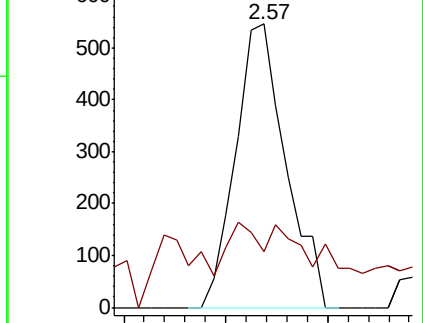
76 100

78 5.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.57 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX004311.D

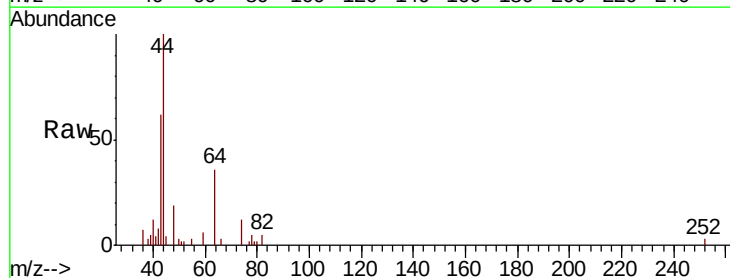
Acq: 30 Aug 2018 00:18

Tgt Ion: 43 Resp: 2732

Ion Ratio Lower Upper

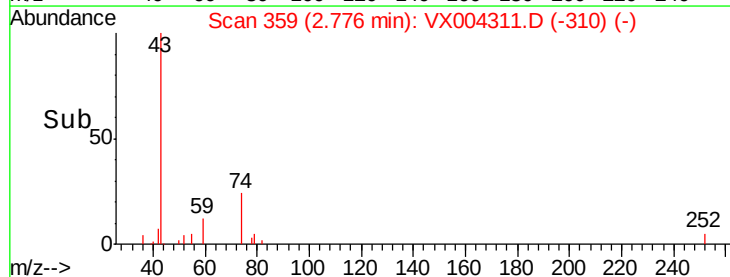
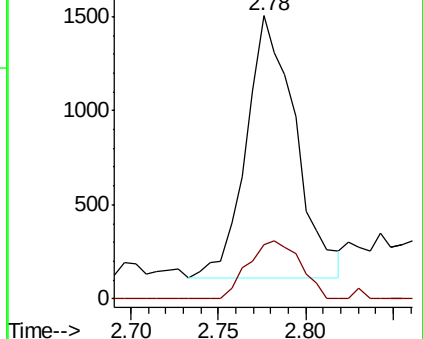
43 100

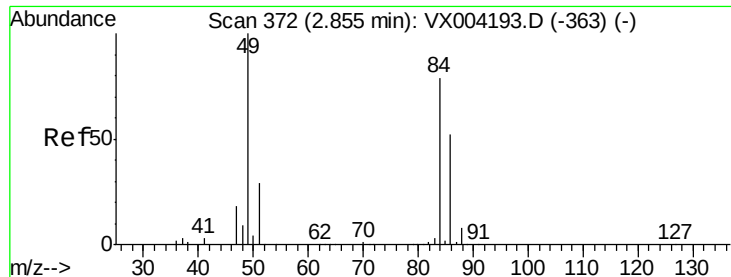
74 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

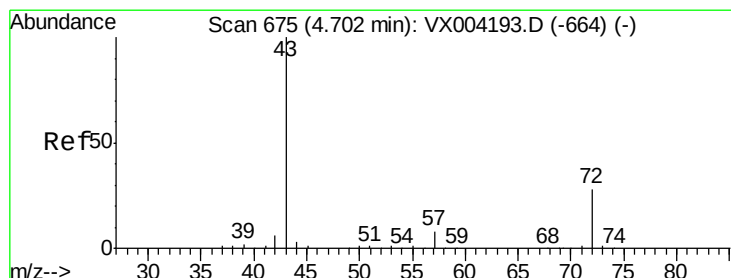
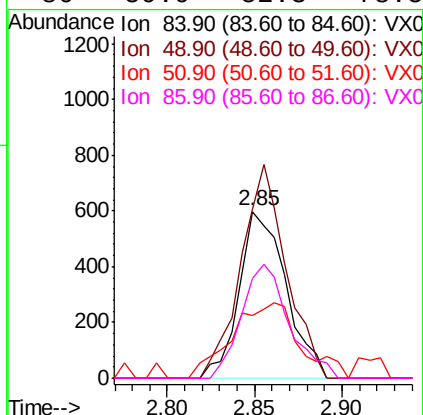
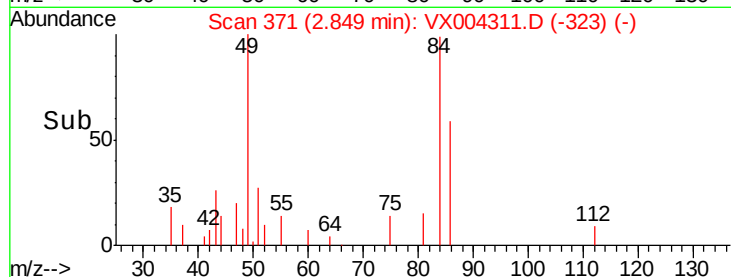
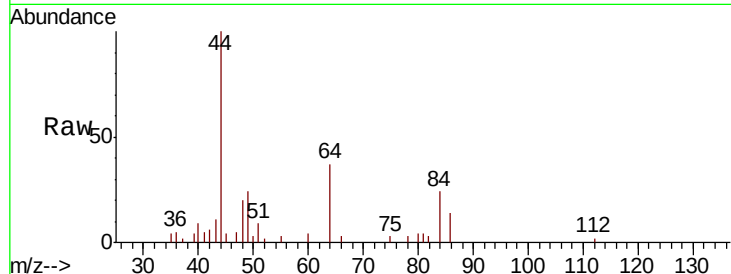




#20
Methvlene Chloride
Concen: 0.36 ua/l
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX004311.D
Acq: 30 Aug 2018 00:18

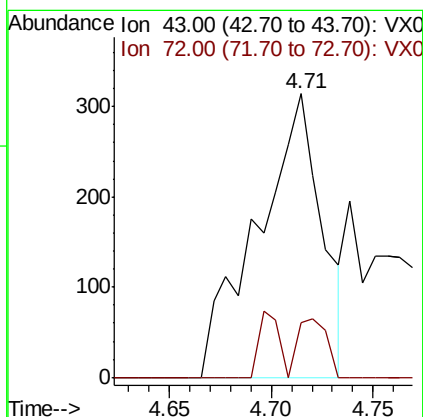
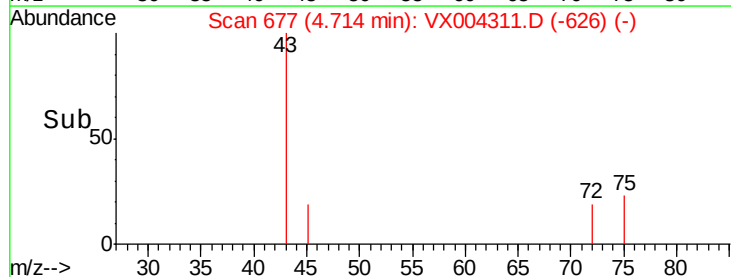
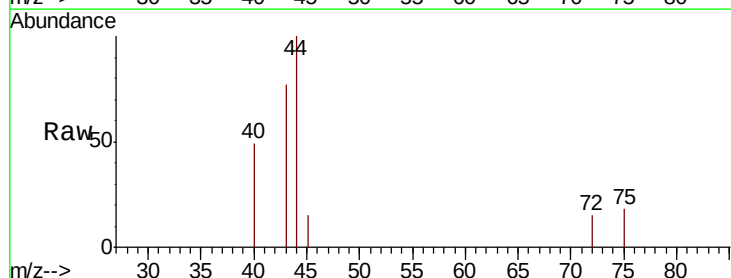
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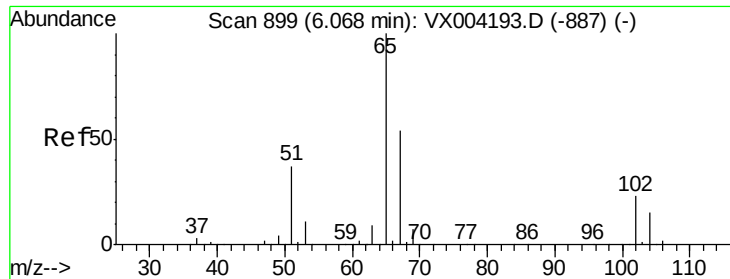
Tot Ion: 84 Resp: 1127
Ion Ratio Lower Upper
84 100
49 101.2 101.2 151.8#
51 37.4 29.5 44.3
86 59.9 52.3 78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX004311.D
Acq: 30 Aug 2018 00:18

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
72 19.1 22.0 33.0#

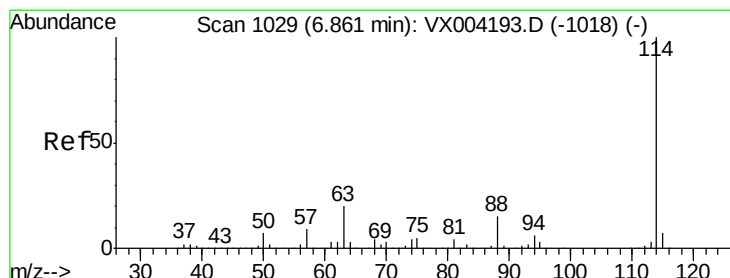
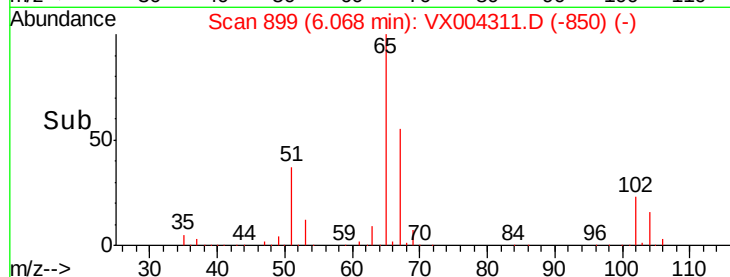
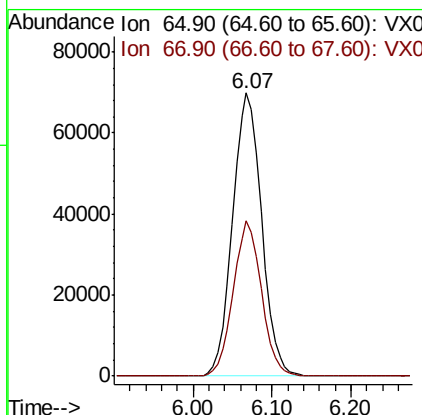
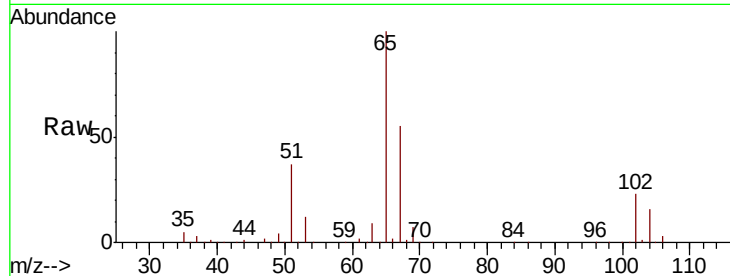




#33
 1,2-Dichloroethane-d4
 Concen: 55.48 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004311.D
 Acq: 30 Aug 2018 00:18

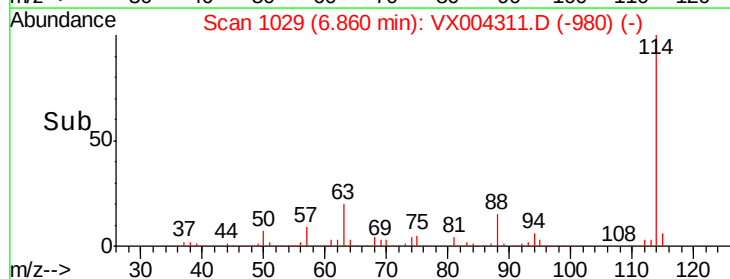
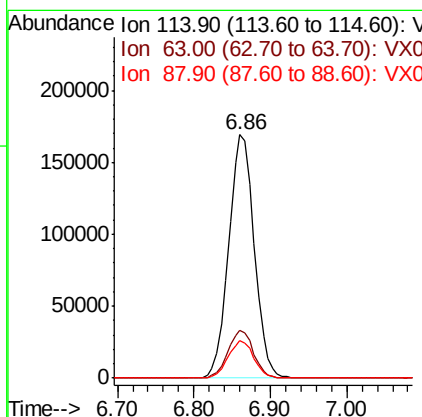
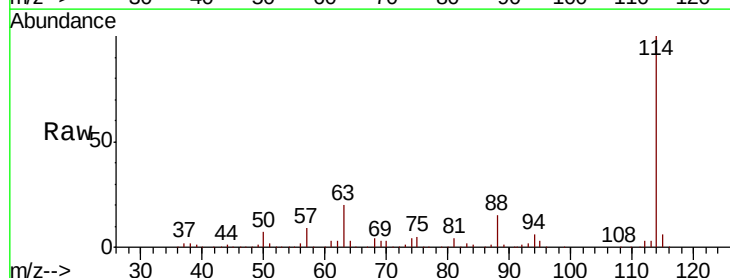
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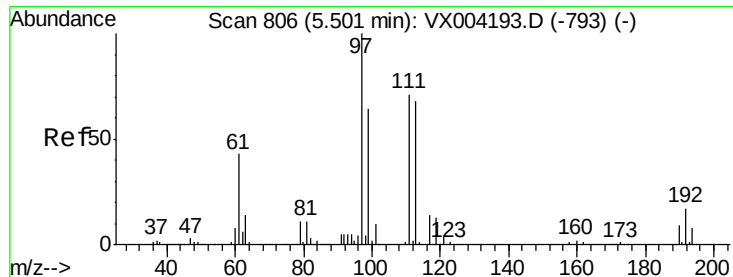
Tot Ion: 65 Resp: 179290
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004311.D
 Acq: 30 Aug 2018 00:18

Tgt Ion: 114 Resp: 391525
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.2 0.0 30.4

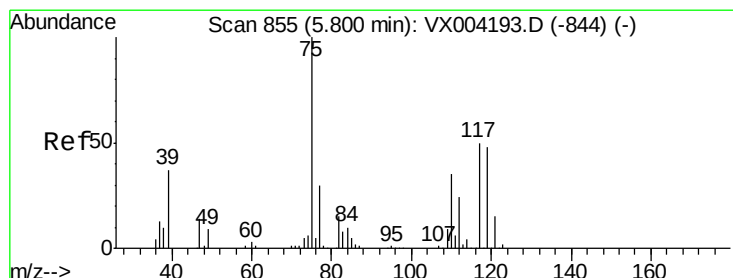
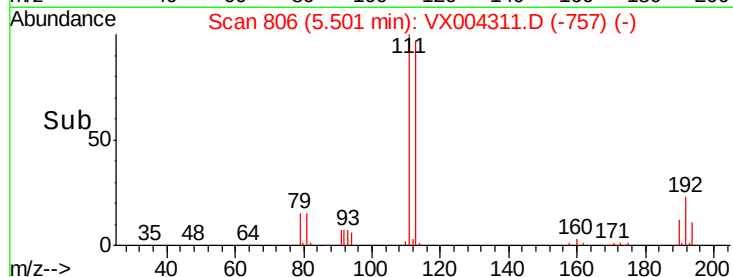
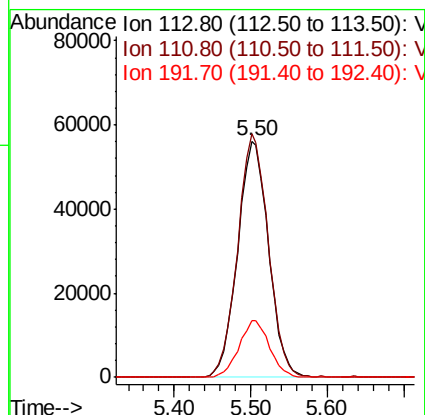
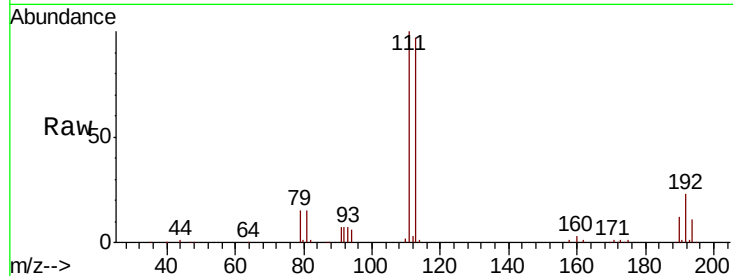




#35
 Dibromofluoromethane
 Concen: 53.94 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004311.D
 Acq: 30 Aug 2018 00:18

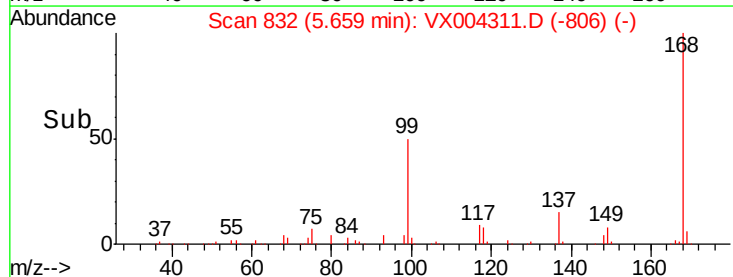
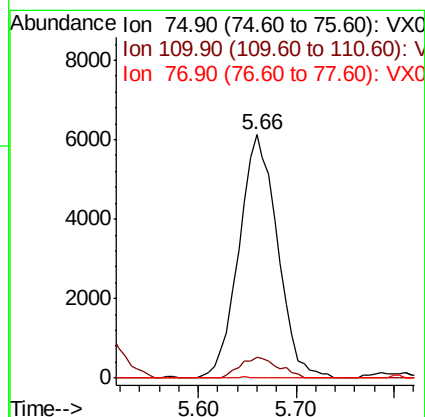
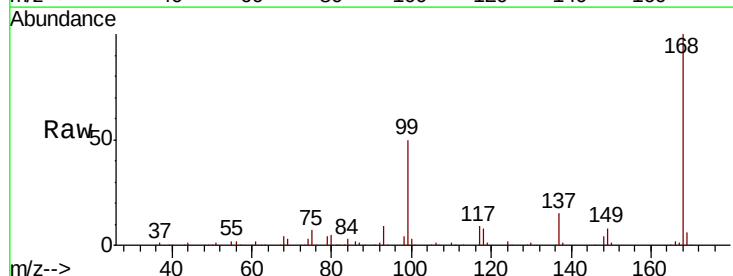
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-SW-18-M12W4-082218

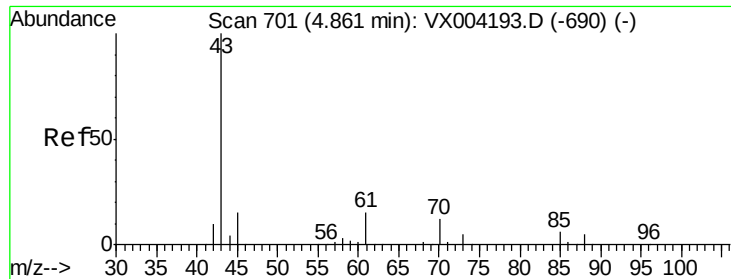
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	23.7	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004311.D
 Acq: 30 Aug 2018 00:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.0	54.0#
77	0.1	24.6	36.8#





#37

Ethyl Acetate

Concen: 1.40 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

CPA-SW-18-M12W4-082218

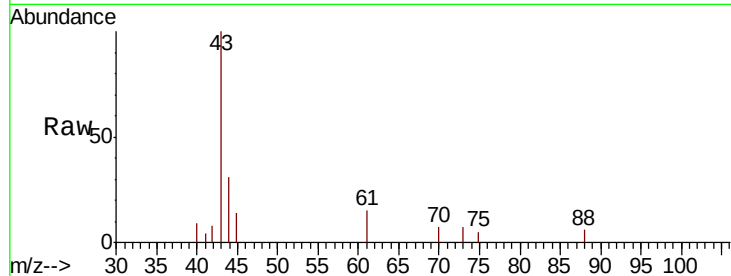
Tot Ion: 43 Resp: 6050

Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

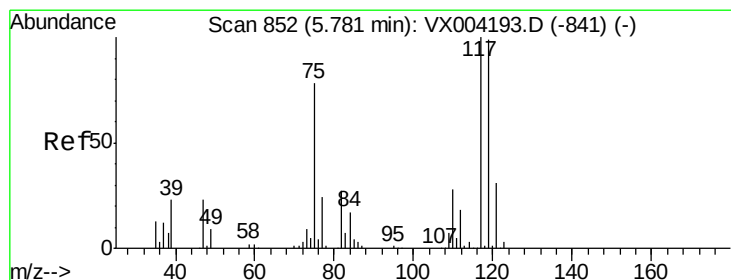
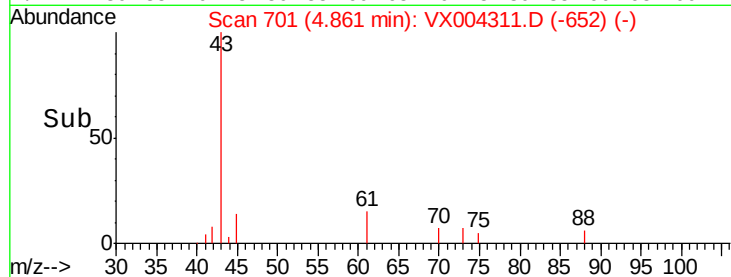
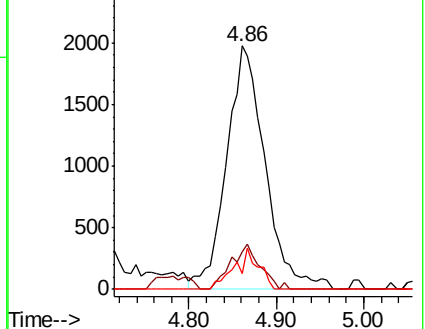
70 10.5 9.0 13.6



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: 5.29 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

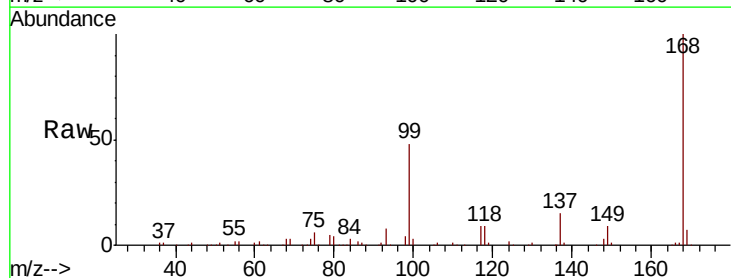
Tgt Ion: 117 Resp: 21899

Ion Ratio Lower Upper

117 100

119 6.8 78.8 118.2#

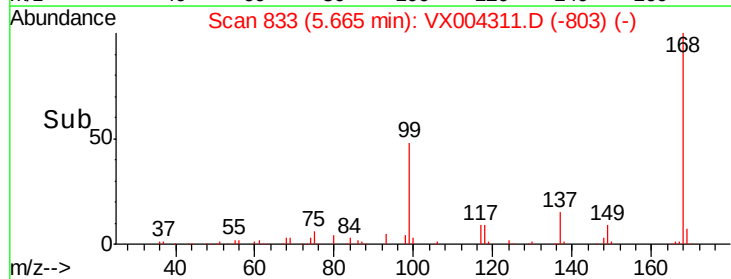
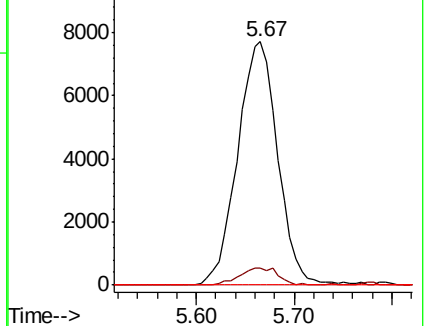
121 0.0 24.9 37.3#

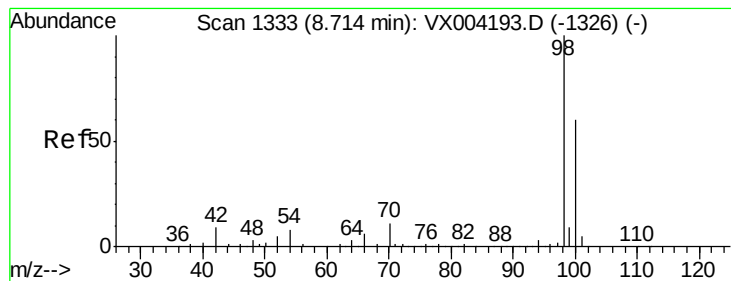


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.24 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

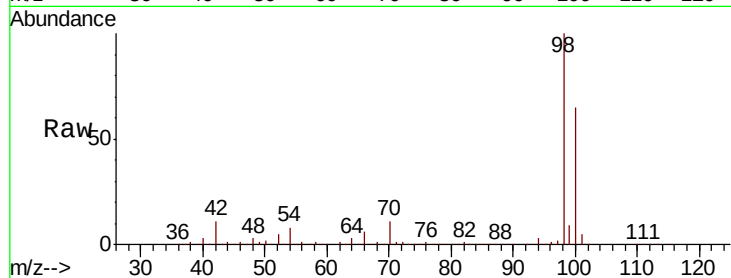
CPA-SW-18-M12W4-082218

Tot Ion: 98 Resp: 563307

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

300000

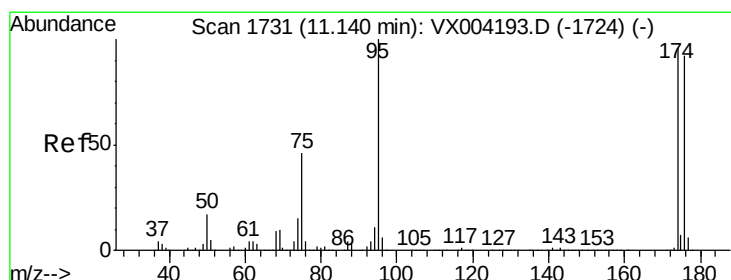
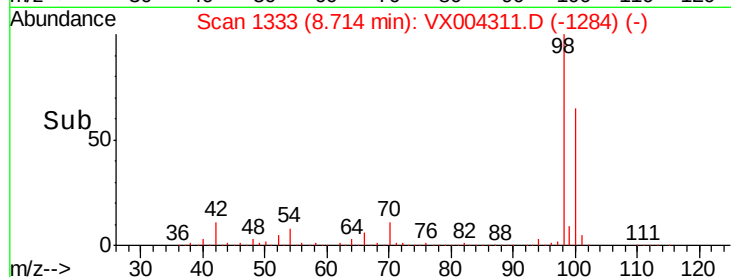
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 48.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

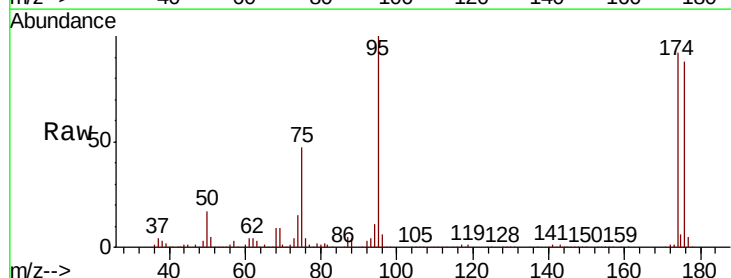
Tgt Ion: 95 Resp: 197072

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

176 88.4 0.0 178.6



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

200000

150000

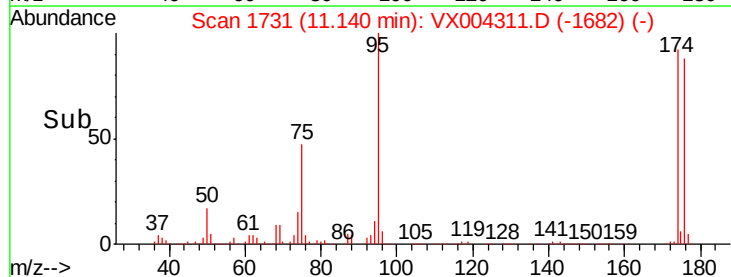
100000

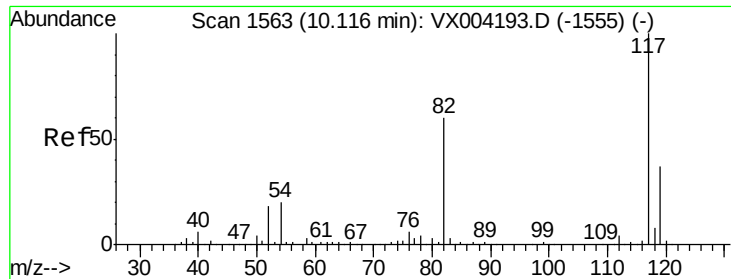
50000

0

Time-->

11.10 11.20

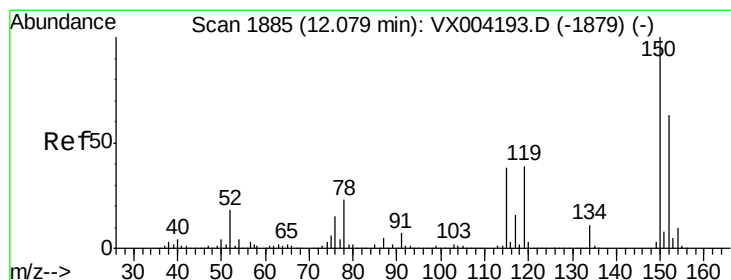
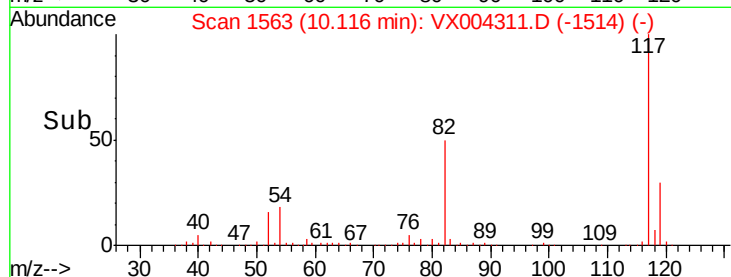
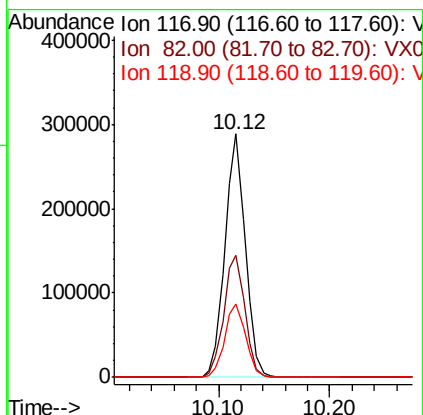
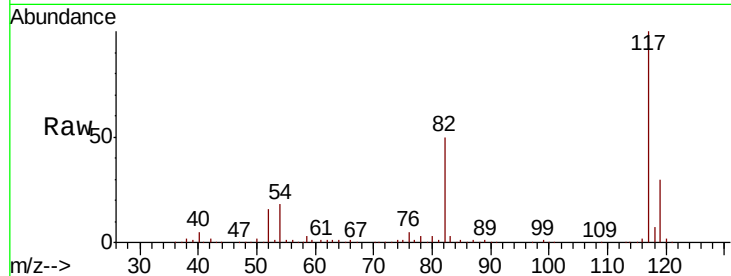




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004311.D
 Acq: 30 Aug 2018 00:18

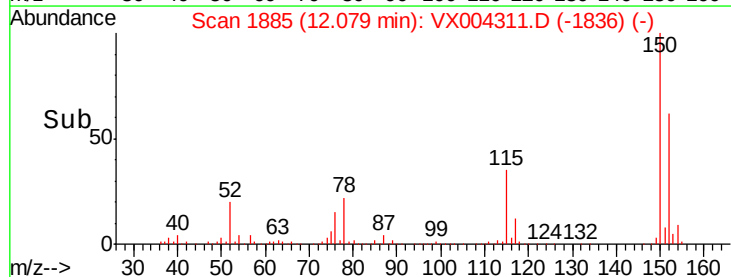
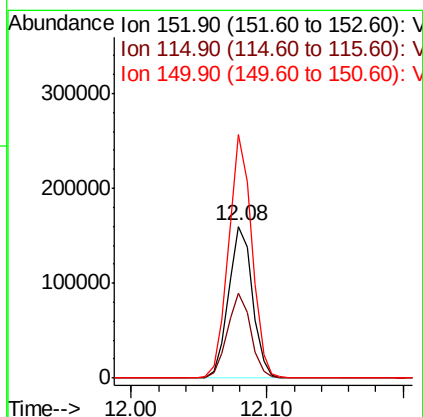
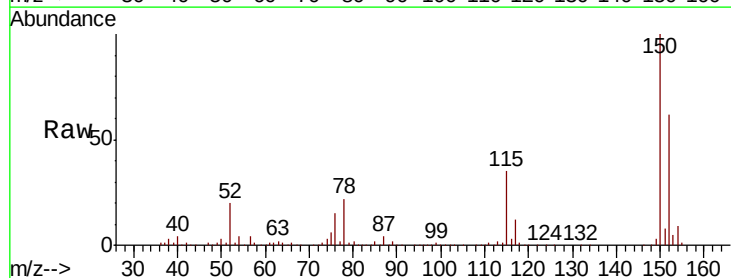
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-SW-18-M12W4-082218

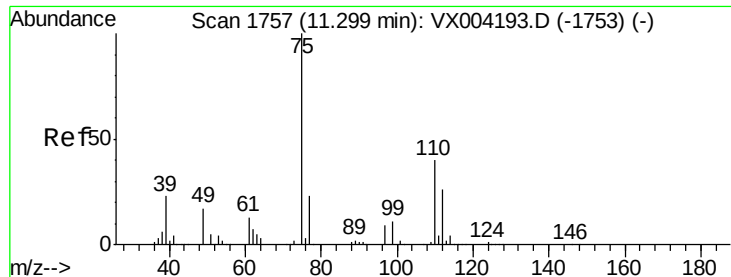
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	47.8	71.6
119	30.1	29.3	43.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX004311.D
 Acq: 30 Aug 2018 00:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	39.0	117.0
150	156.4	0.0	351.0





#76

1,2,3-Trichloropropane

Concen: 23.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

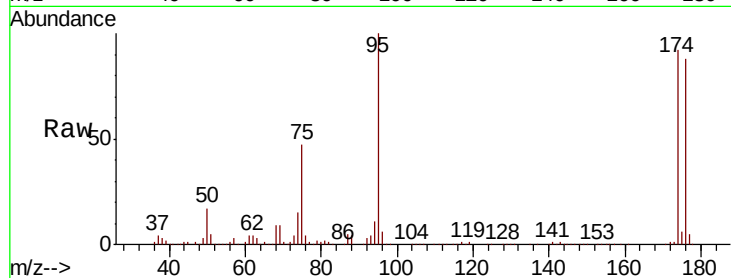
CPA-SW-18-M12W4-082218

Tot Ion: 75 Resp: 92182

Ion Ratio Lower Upper

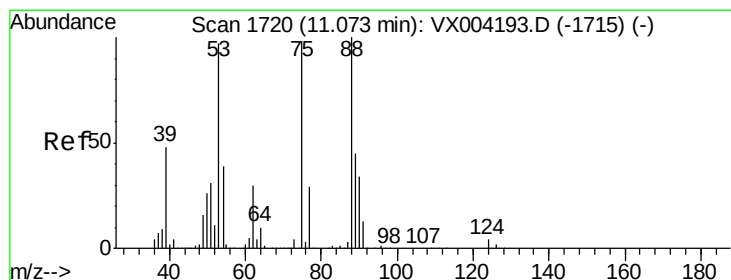
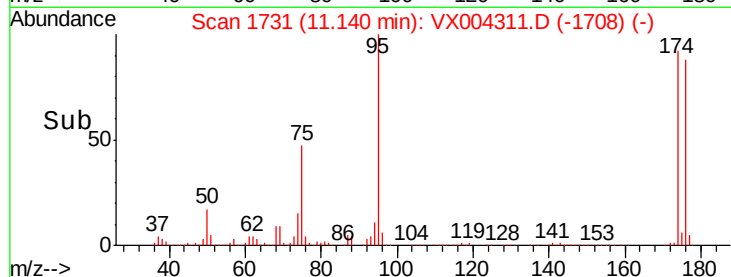
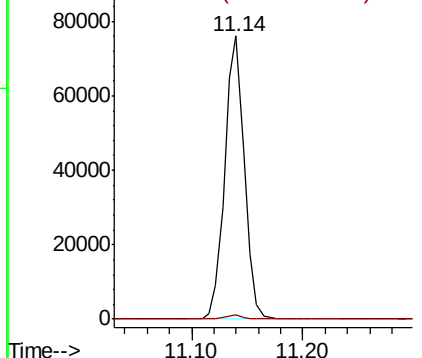
75 100

77 1.5 20.2 60.6#



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: 75.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004311.D

Acq: 30 Aug 2018 00:18

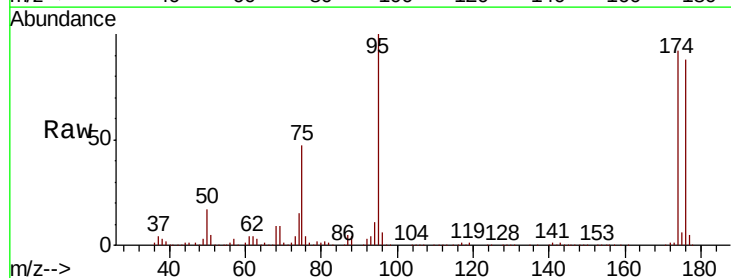
Tgt Ion: 75 Resp: 92182

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



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

