

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010471.D
 Acq On : 26 Jun 2019 18:30
 Operator : JC/SP
 Sample : K3527-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919

Quant Time: Jun 27 01:14:44 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	249997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161843	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	121340	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.50	113	120528	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	8.71	98	460400	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	151712	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

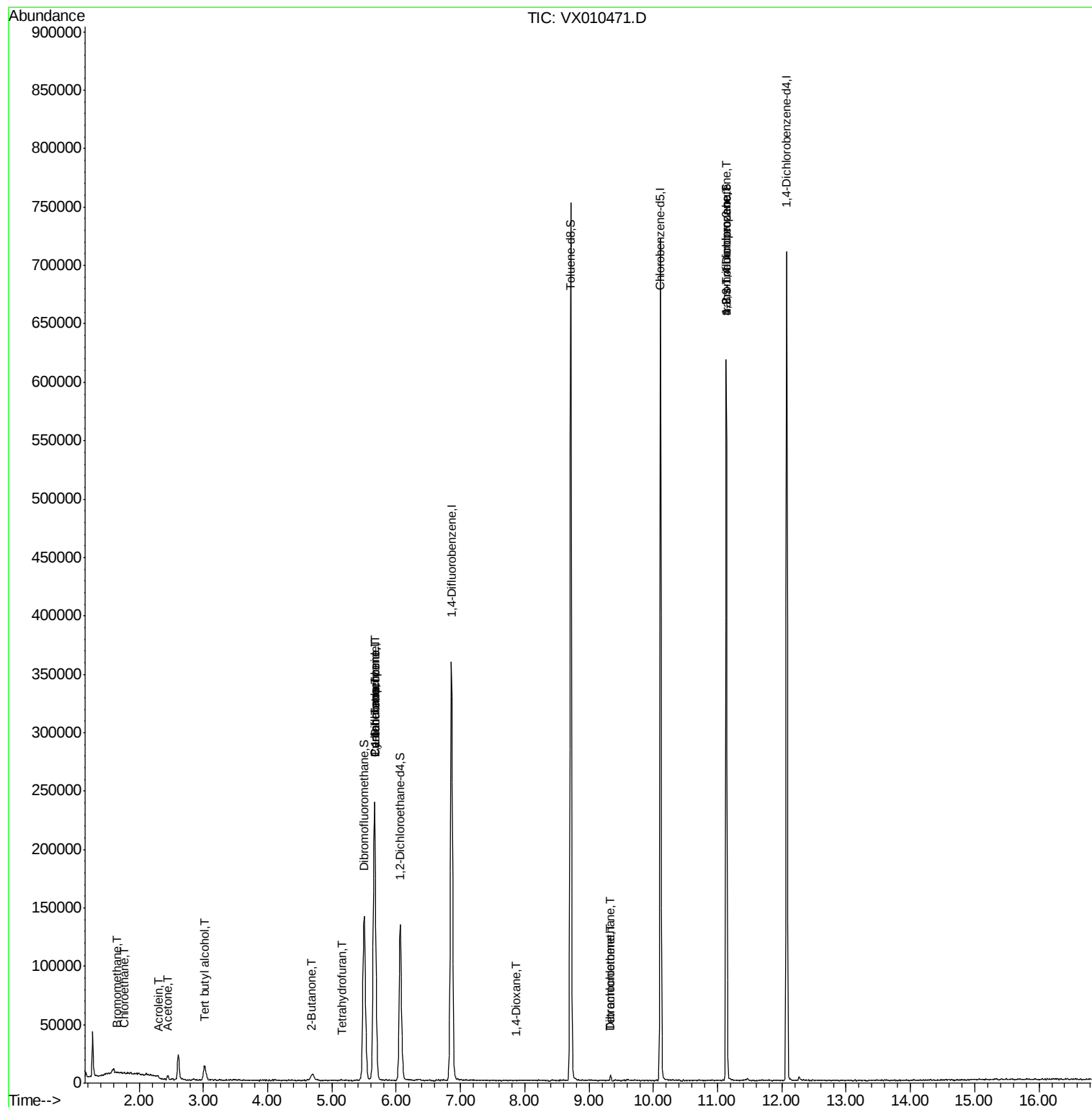
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	255	0.236	ug/l #	44
6) Chloroethane	1.77	64	622	0.476	ug/l #	41
11) Tert butyl alcohol	3.01	59	9177	14.962	ug/l #	93
13) Acrolein	2.31	56	213	0.524	ug/l #	1
16) Acetone	2.45	43	4073	3.467	ug/l	96
25) 2-Butanone	4.67	43	613	0.356	ug/l #	46
29) Tetrahydrofuran	5.15	42	383	0.359	ug/l #	89
31) Cyclohexane	5.67	56	4353	1.286	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15533	4.998	ug/l #	43
38) Carbon Tetrachloride	5.67	117	22115	6.572	ug/l #	15
49) 1,4-Dioxane	7.87	88	22	0.311	ug/l #	1
60) Dibromochloromethane	9.34	129	709	0.241	ug/l #	11
64) Tetrachloroethene	9.34	164	685	0.242	ug/l #	89
76) 1,2,3-Trichloropropane	11.13	75	72532	24.594	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72532	57.375	ug/l #	16

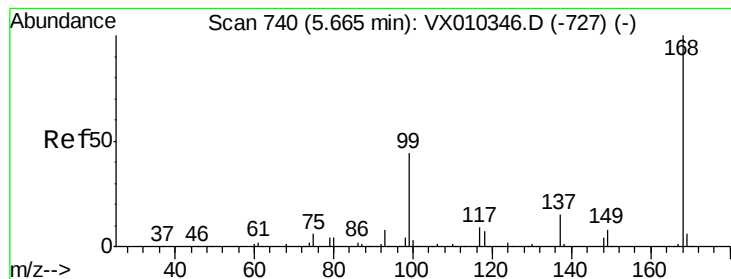
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

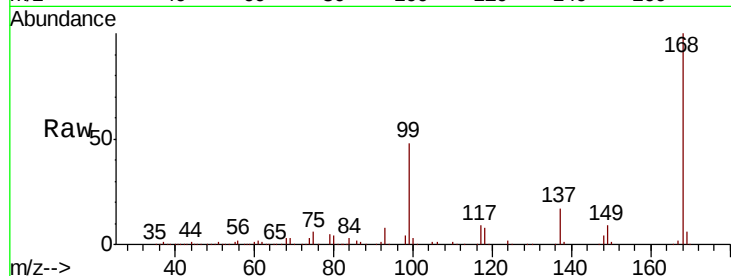
CPA-GMW-5S-R-M24W1-061919

Tot Ion:168 Resp: 249997

Ion Ratio Lower Upper

168 100

99 48.1 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

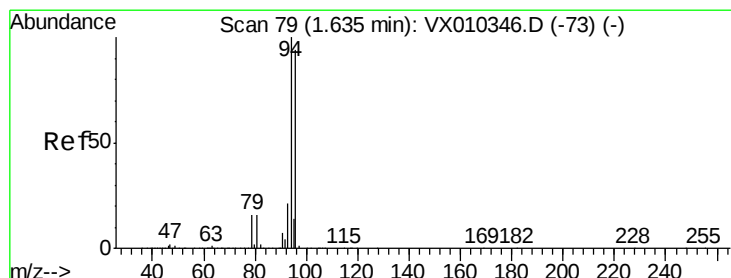
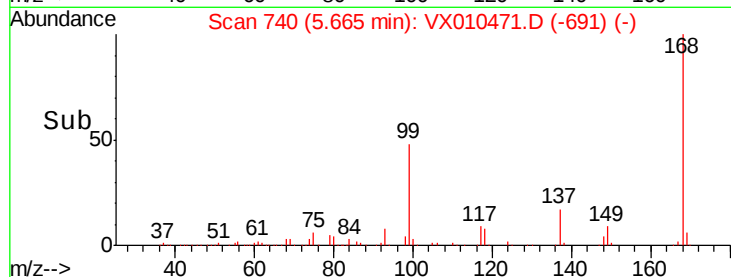
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010471.D

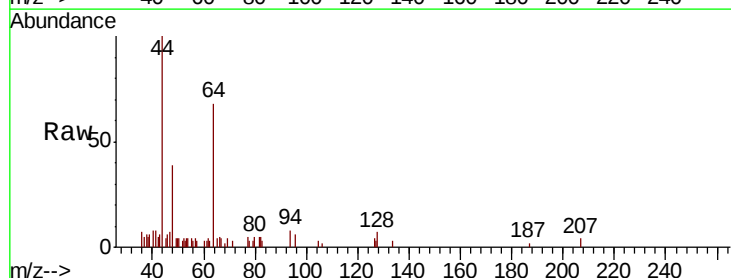
Acq: 26 Jun 2019 18:30

Tgt Ion: 94 Resp: 255

Ion Ratio Lower Upper

94 100

96 40.1 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

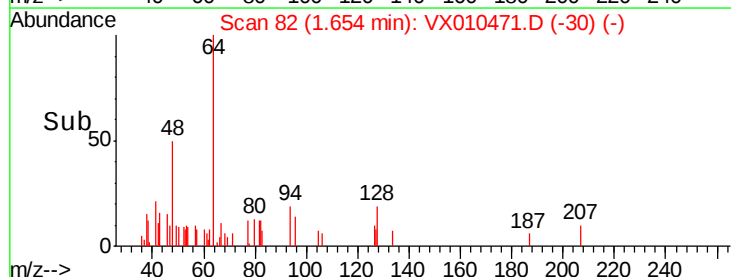
150

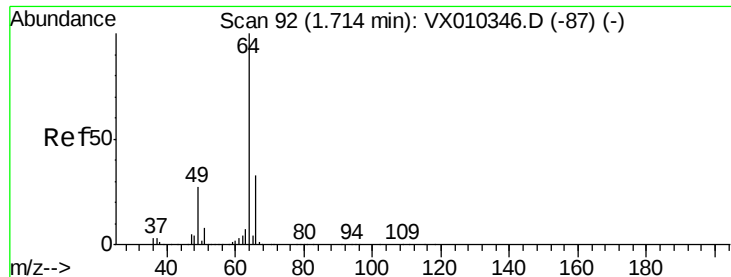
100

50

0

Time--> 1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.476 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.06 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

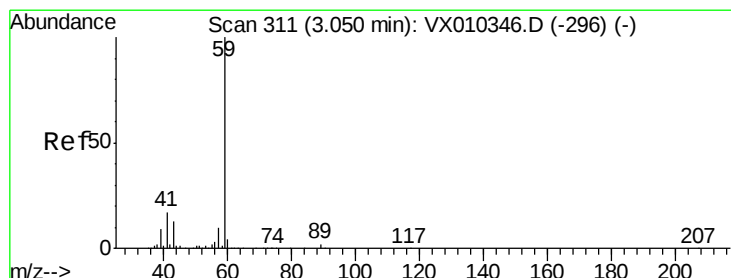
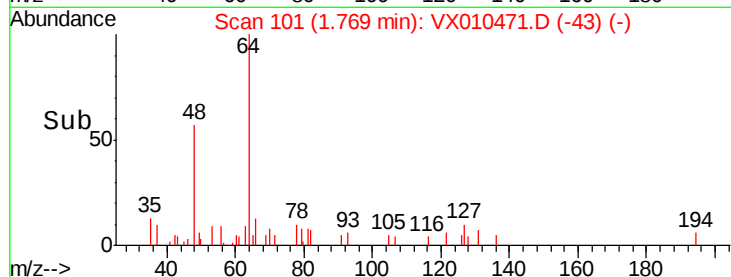
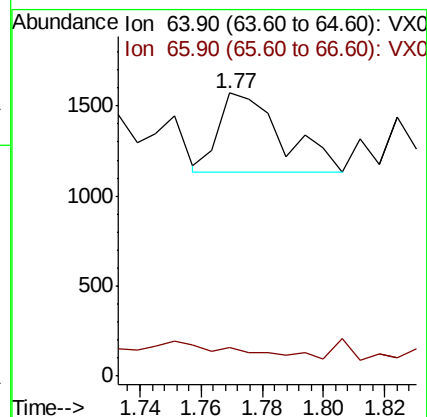
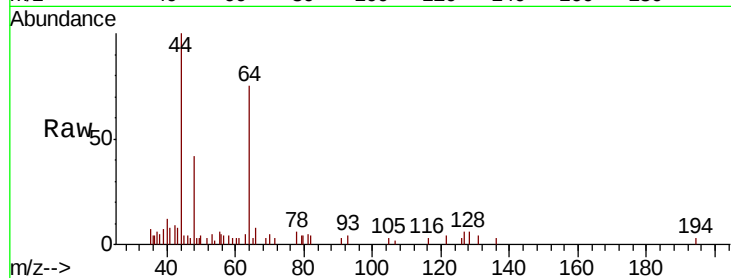
CPA-GMW-5S-R-M24W1-061919

Tot Ion: 64 Resp: 622

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 14.962 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010471.D

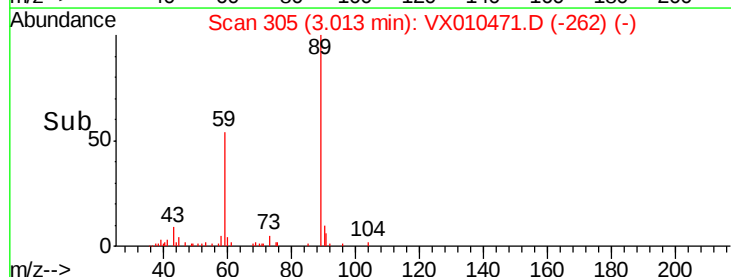
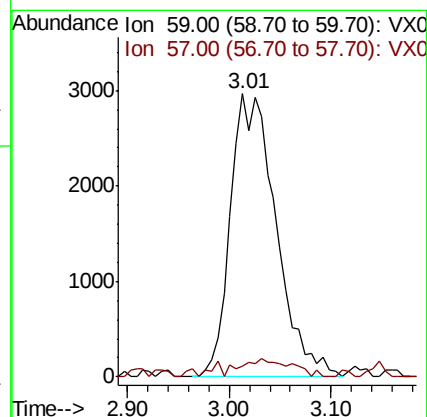
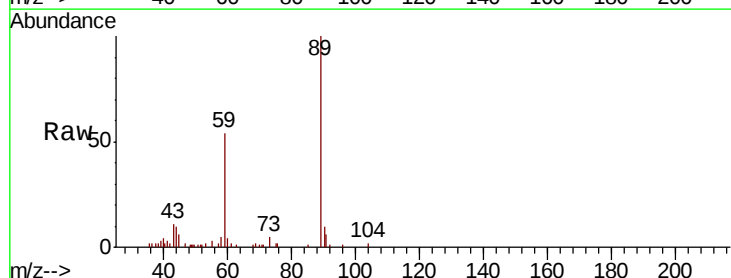
Acq: 26 Jun 2019 18:30

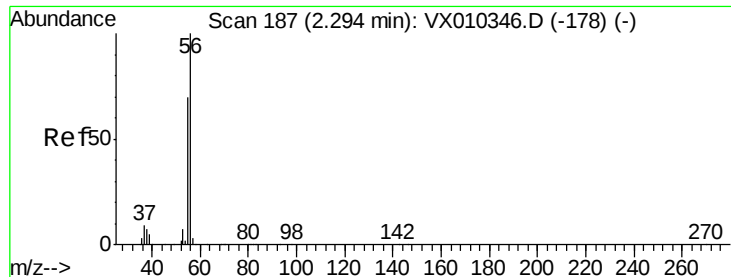
Tgt Ion: 59 Resp: 9177

Ion Ratio Lower Upper

59 100

57 7.2 7.7 11.5#





#13

Acrolein

Concen: 0.524 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

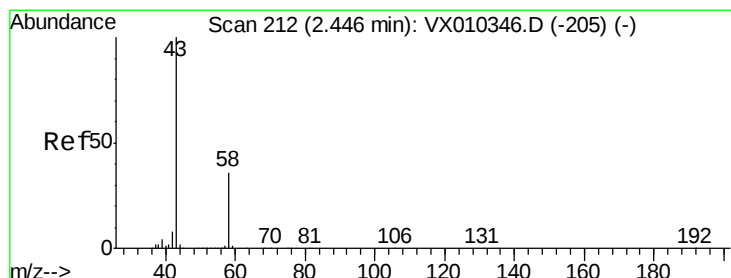
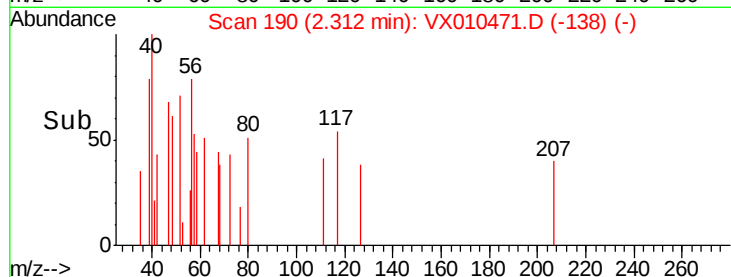
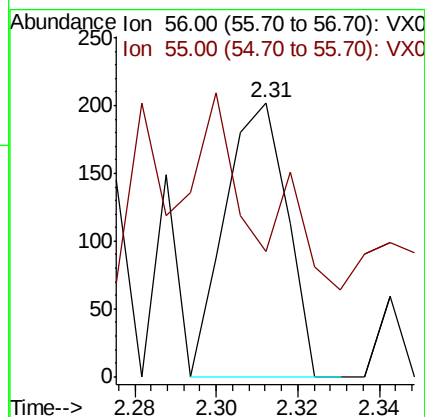
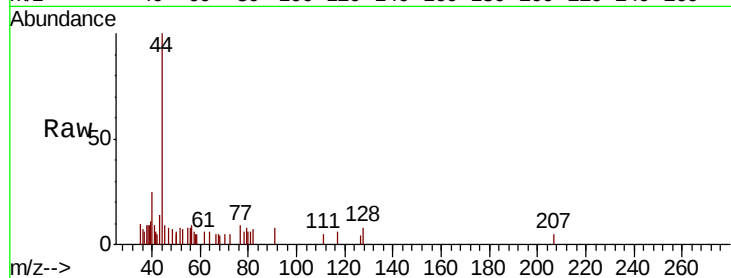
CPA-GMW-5S-R-M24W1-061919

Tot Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 196.7 56.9 85.3#



#16

Acetone

Concen: 3.467 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010471.D

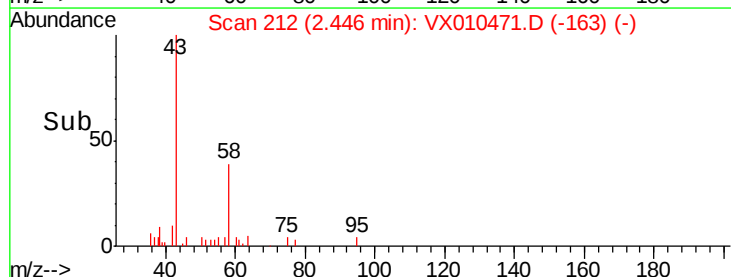
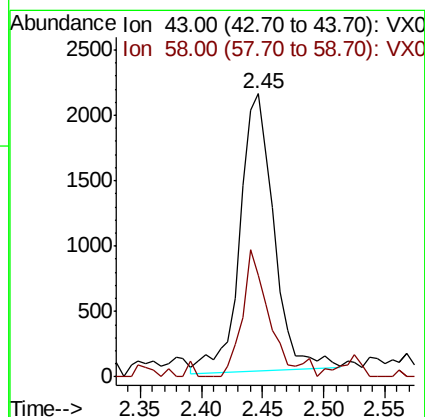
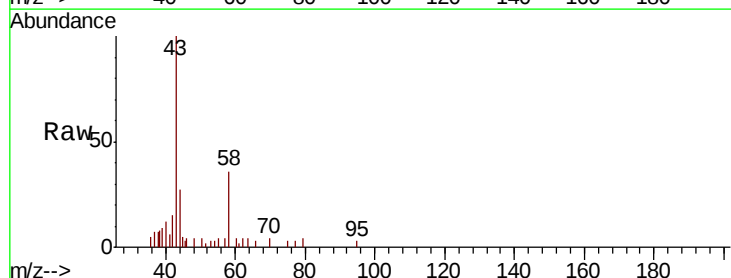
Acq: 26 Jun 2019 18:30

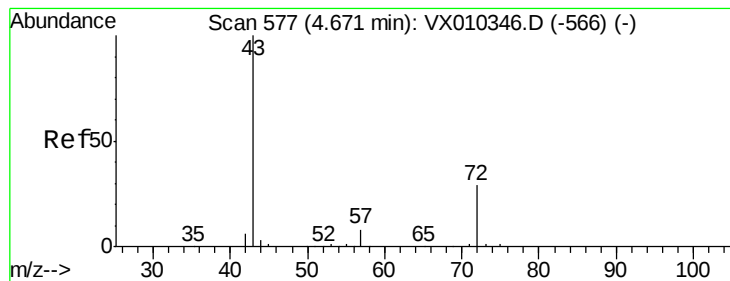
Tgt Ion: 43 Resp: 4073

Ion Ratio Lower Upper

43 100

58 33.5 28.9 43.3





#25

2-Butanone

Concen: 0.356 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

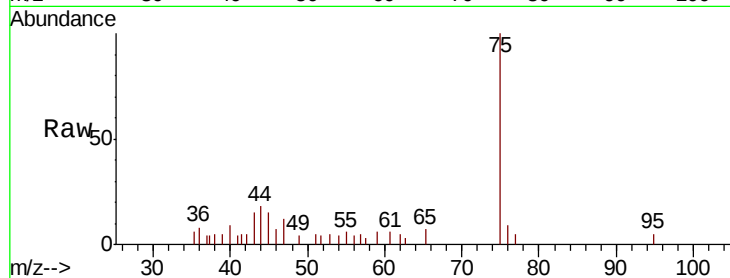
CPA-GMW-5S-R-M24W1-061919

Tot Ion: 43 Resp: 613

Ion Ratio Lower Upper

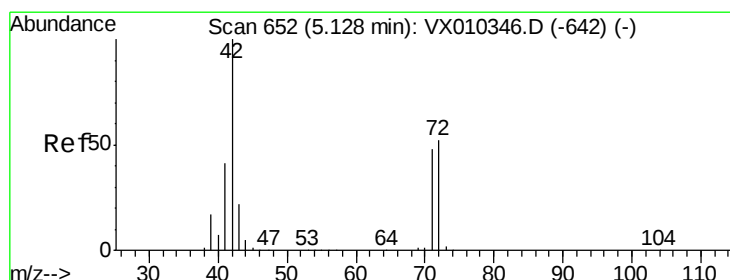
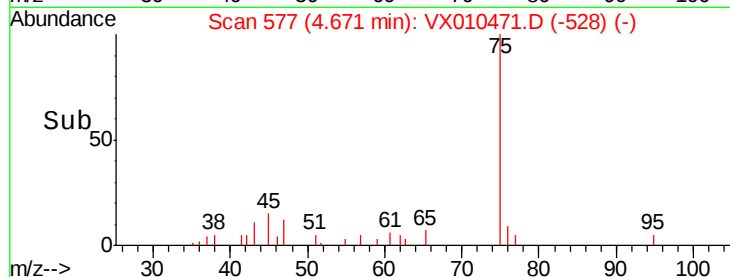
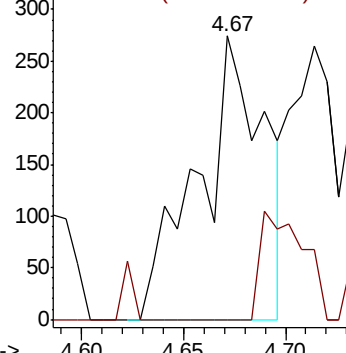
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

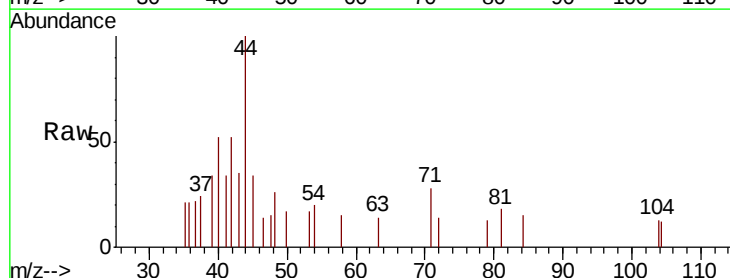
Tgt Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 61.1 40.6 60.8#

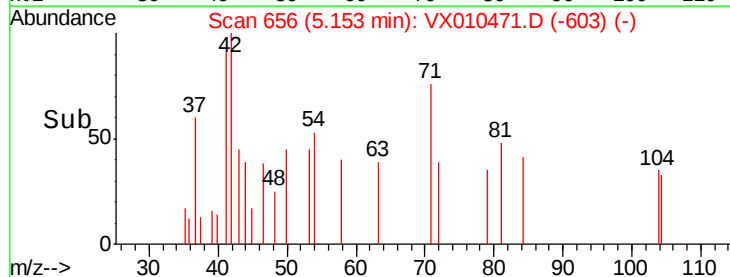
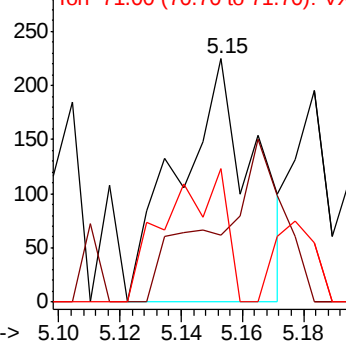
71 42.8 37.8 56.8

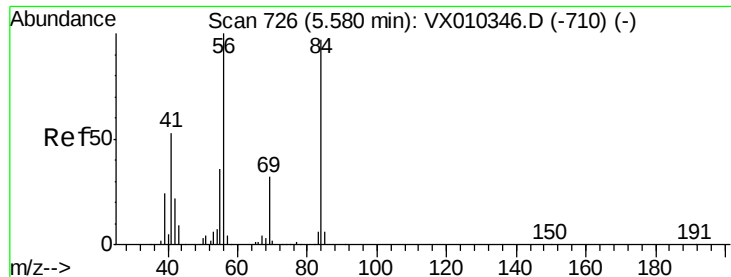


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

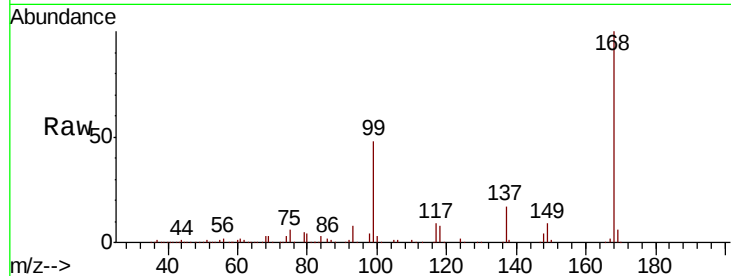




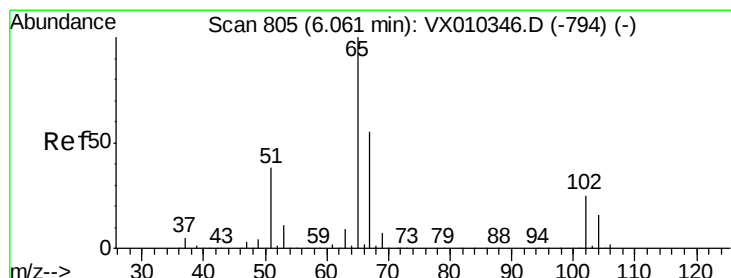
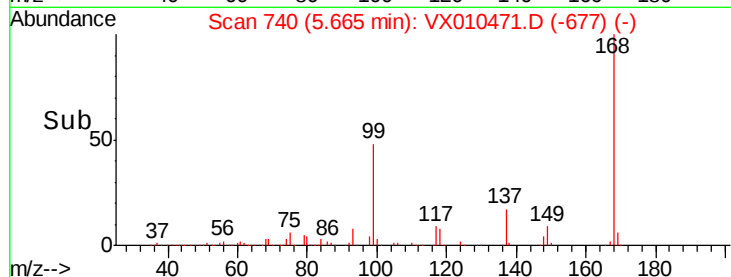
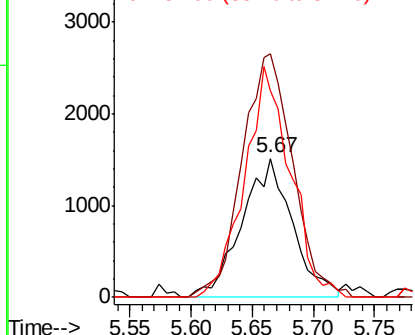
#31
Cyclohexane
Concen: 1.286 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010471.D
Acq: 26 Jun 2019 18:30

Instrument :
MSVOA_X
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CPA-GMW-5S-R-M24W1-061919

Tot Ion: 56 Resp: 4353
Ion Ratio Lower Upper
56 100
69 175.1 25.9 38.9#
84 148.4 78.0 117.0#

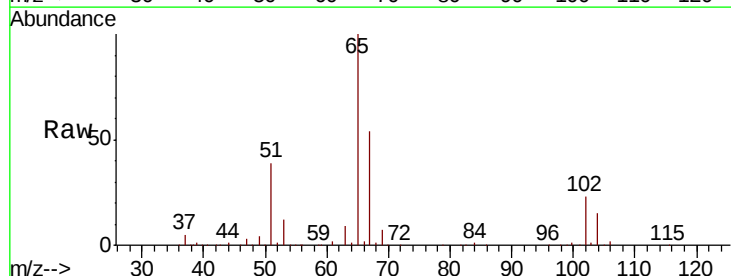


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

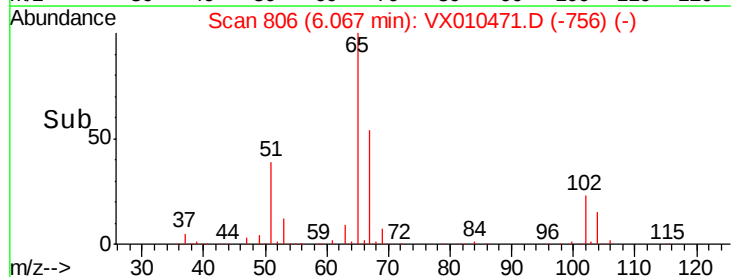
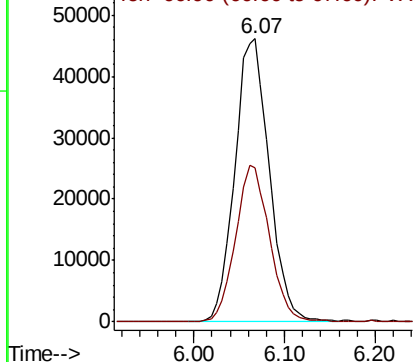


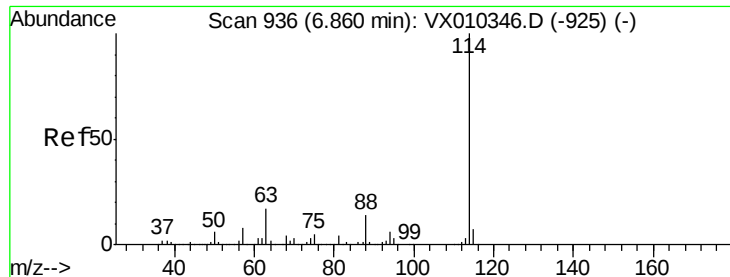
#33
1,2-Dichloroethane-d4
Concen: 51.767 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX010471.D
Acq: 26 Jun 2019 18:30

Tgt Ion: 65 Resp: 121340
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.2



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: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919

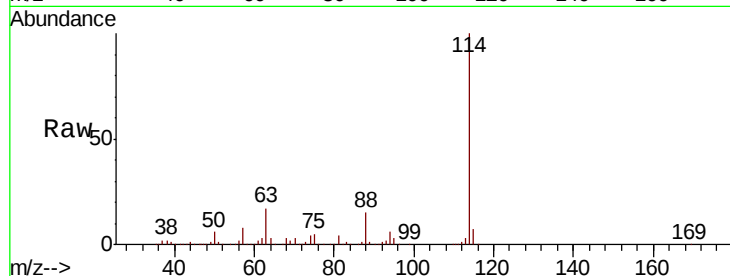
Tot Ion:114 Resp: 391065

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.8

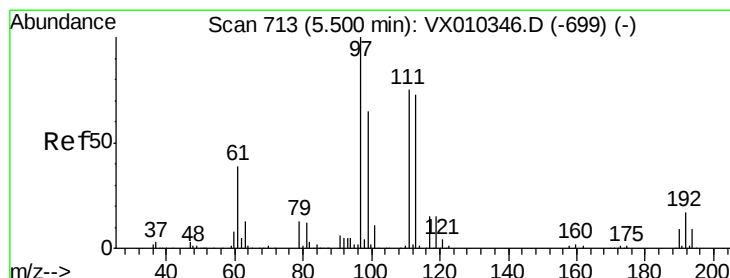
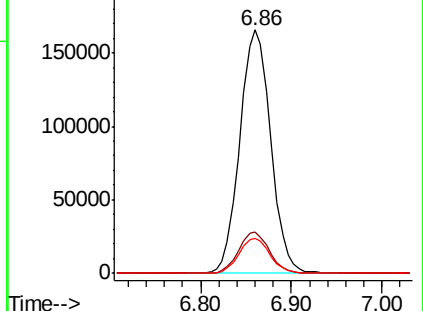
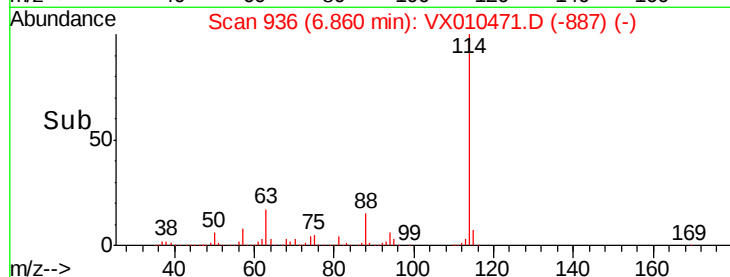
88 14.5 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.374 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

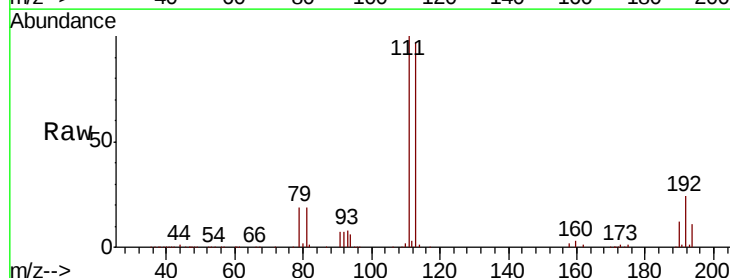
Tgt Ion:113 Resp: 120528

Ion Ratio Lower Upper

113 100

111 100.6 81.2 121.8

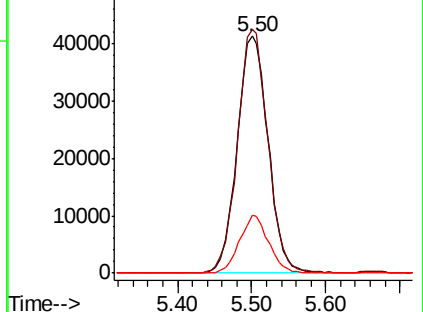
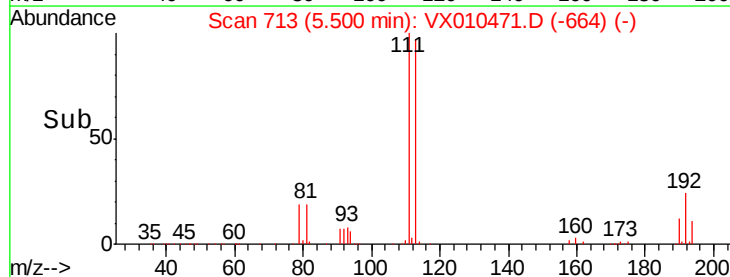
192 23.0 18.6 27.8

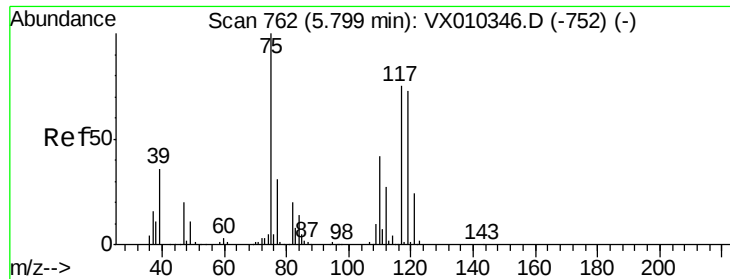


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

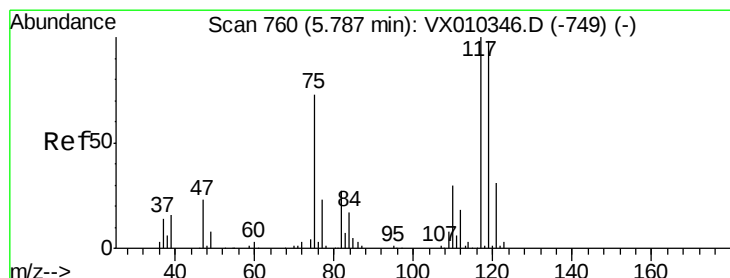
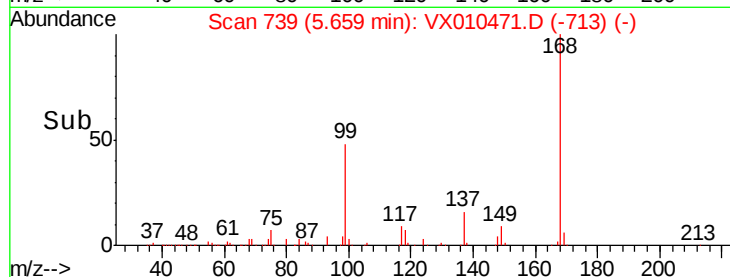
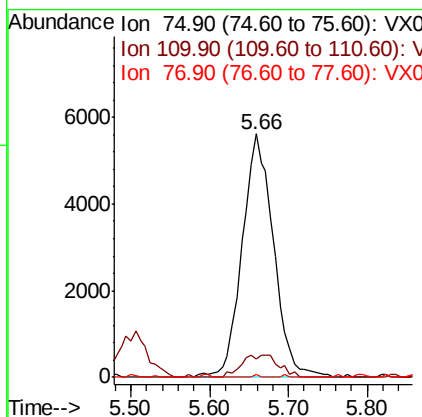
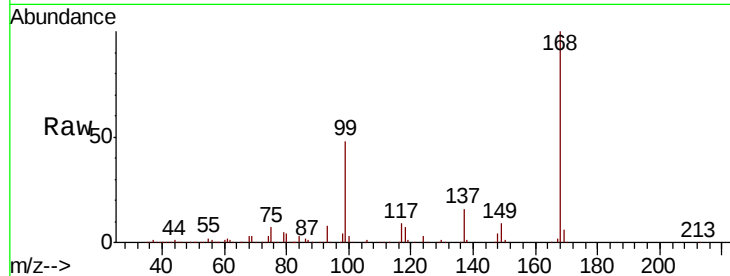




#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010471.D
 Acq: 26 Jun 2019 18:30

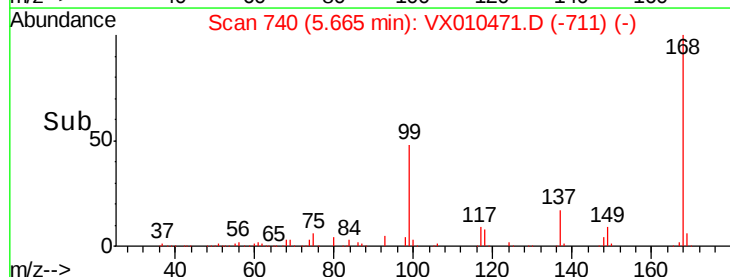
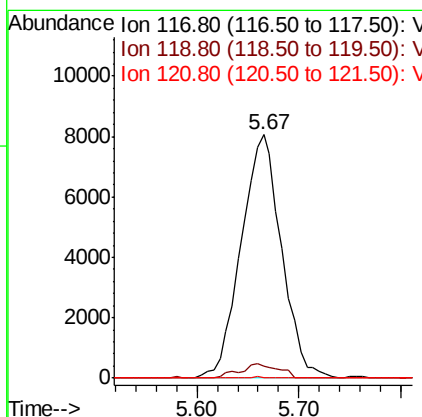
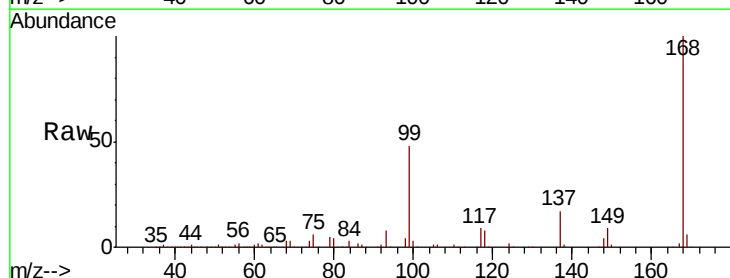
Instrument :
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 CPA-GMW-5S-R-M24W1-061919

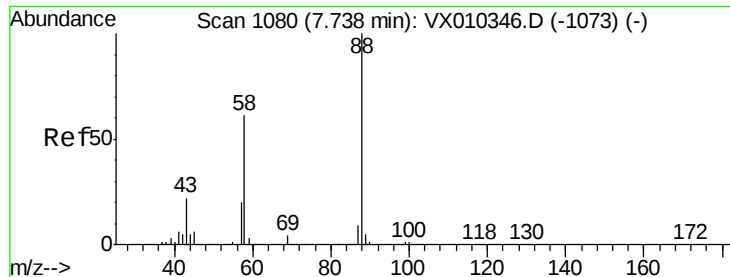
Tot Ion: 75 Resp: 15533
 Ion Ratio Lower Upper
 75 100
 110 5.0 20.8 62.2#
 77 0.1 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.572 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010471.D
 Acq: 26 Jun 2019 18:30

Tgt Ion:117 Resp: 22115
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.2 117.4#
 121 0.0 24.7 37.1#

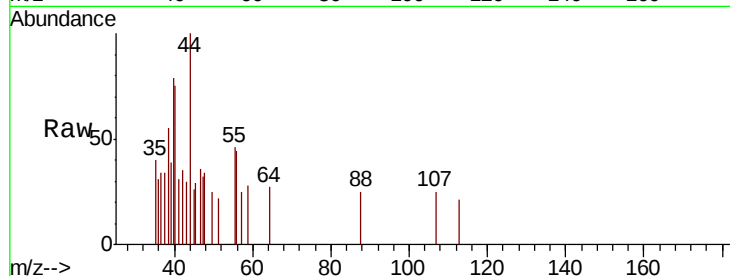




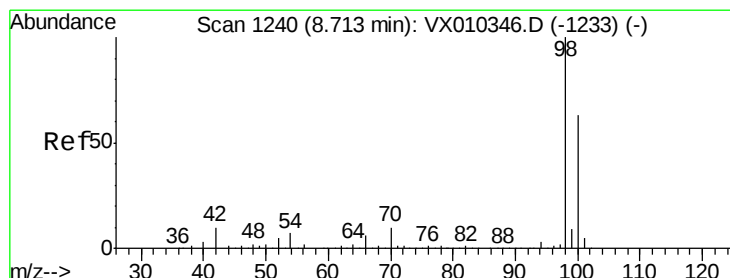
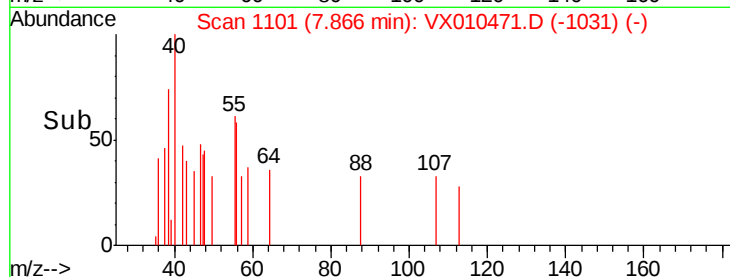
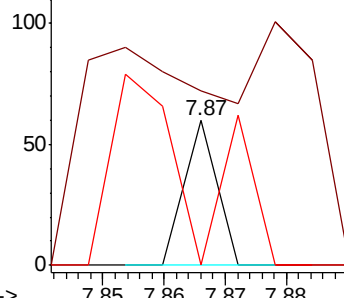
#49
1,4-Dioxane
Concen: 0.311 ug/l
RT: 7.87 min Scan# 1101
Delta R.T. 0.13 min
Lab File: VX010471.D
Acq: 26 Jun 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 654.5 20.2 30.2#
58 345.5 49.5 74.3#

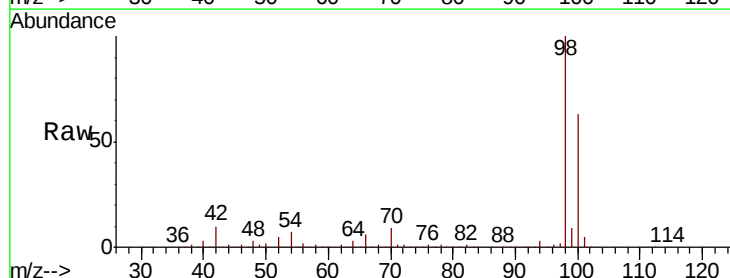


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

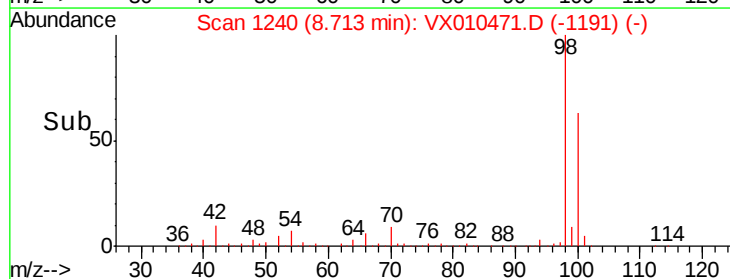
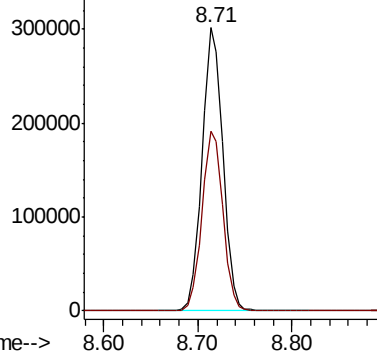


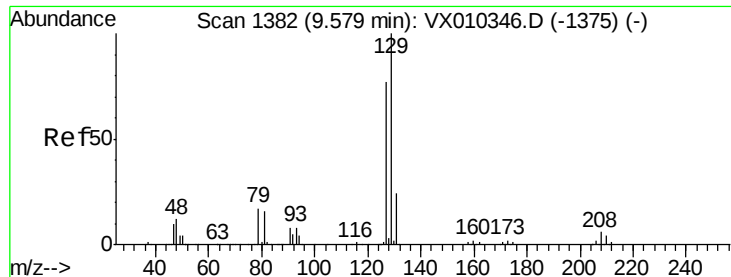
#50
Toluene-d8
Concen: 50.295 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010471.D
Acq: 26 Jun 2019 18:30

Tgt Ion: 98 Resp: 460400
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.241 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

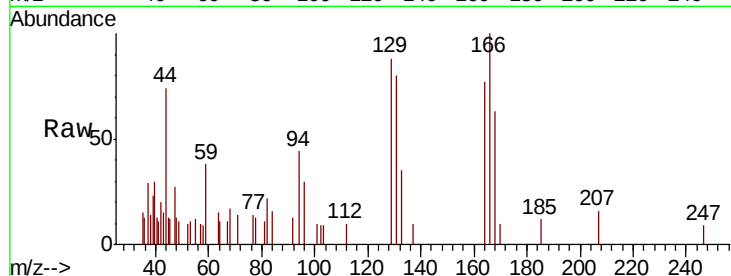
CPA-GMW-5S-R-M24W1-061919

Tot Ion:129 Resp: 709

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

500

400

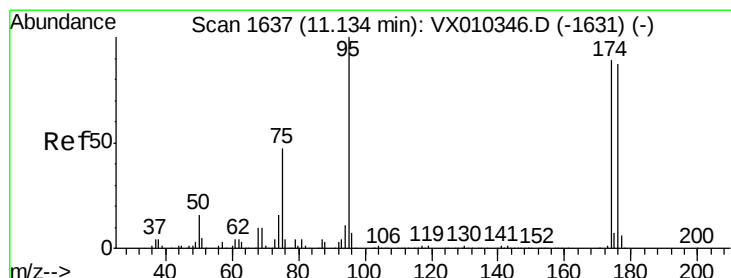
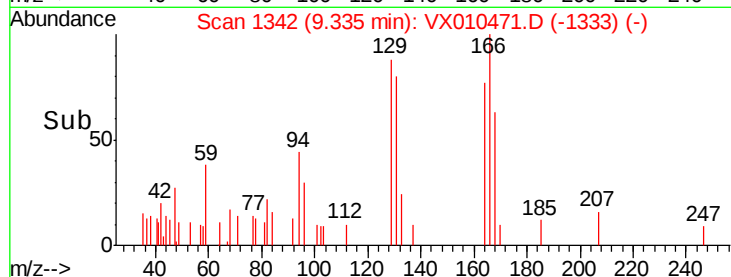
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.906 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

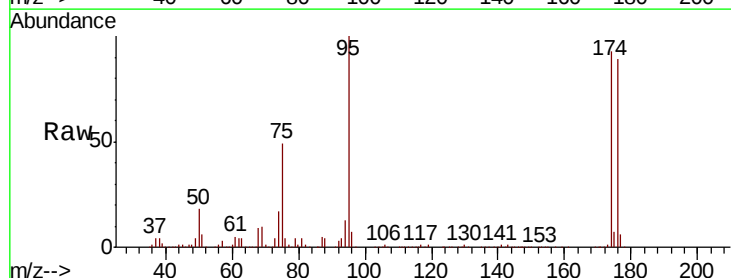
Tgt Ion: 95 Resp: 151712

Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.6

176 93.3 0.0 184.0



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

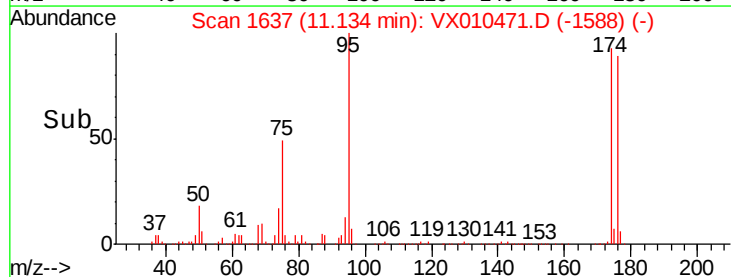
150000

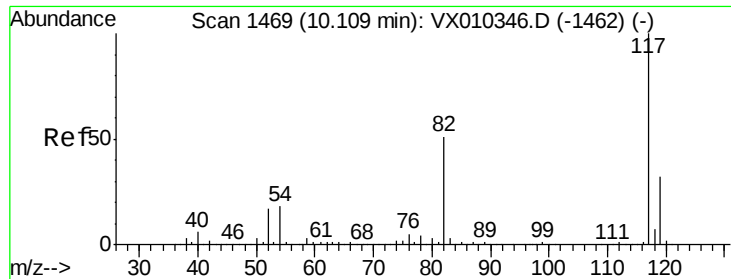
100000

50000

0

Time-->

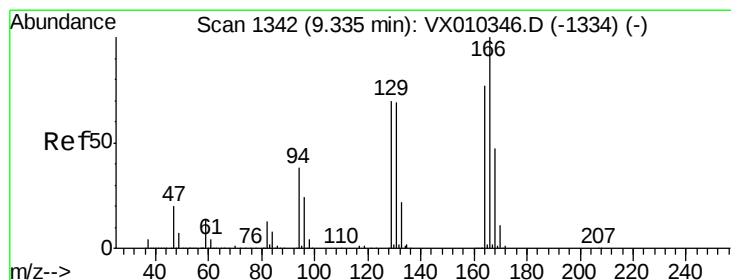
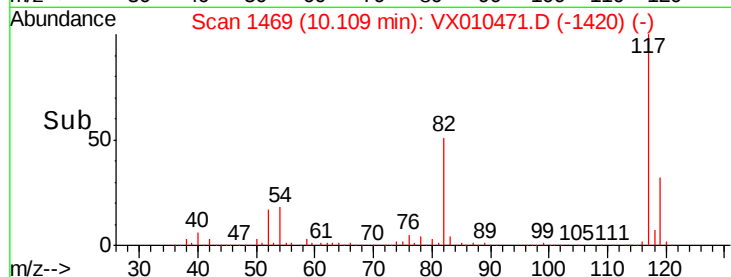
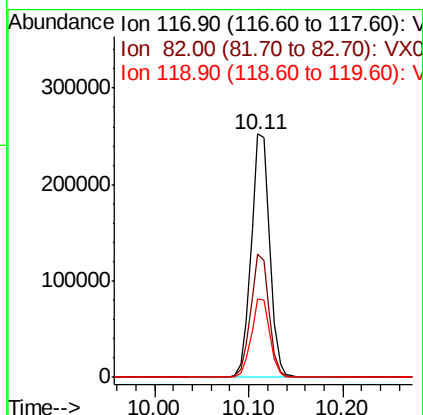
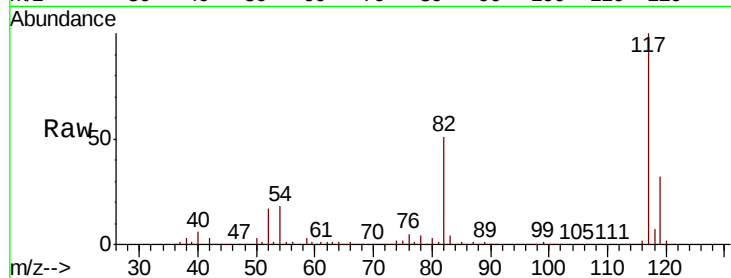




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010471.D
Acq: 26 Jun 2019 18:30

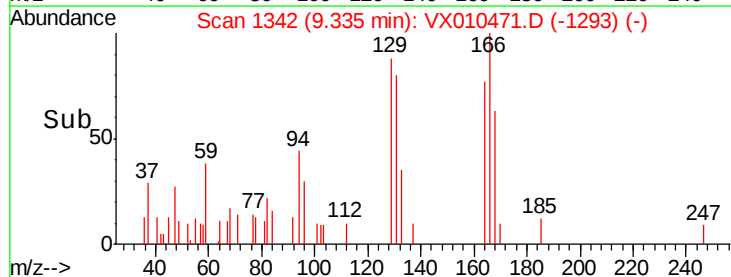
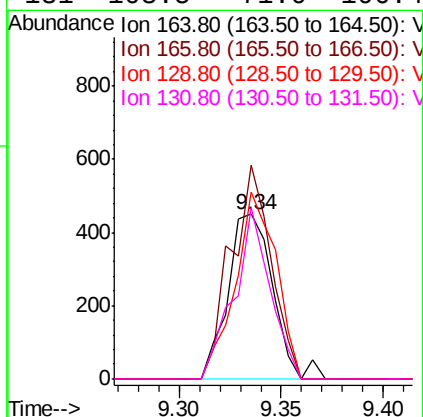
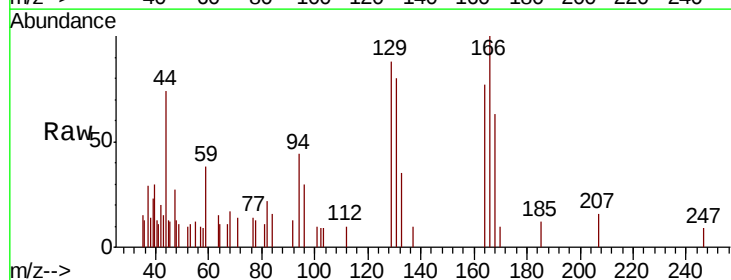
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919

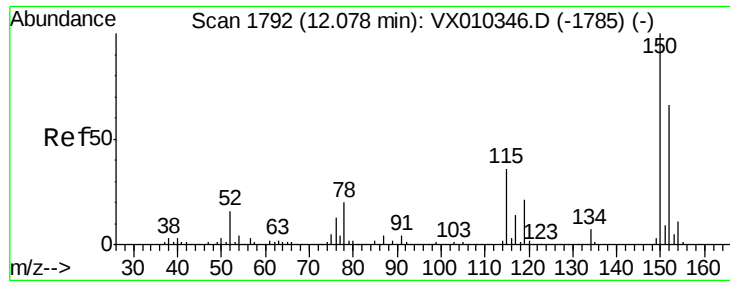
Tot Ion:117 Resp: 350077
Ion Ratio Lower Upper
117 100
82 50.7 41.2 61.8
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.242 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010471.D
Acq: 26 Jun 2019 18:30

Tgt Ion:164 Resp: 685
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 113.3 73.0 109.4#
131 103.5 71.0 106.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010471.D

Acq: 26 Jun 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919

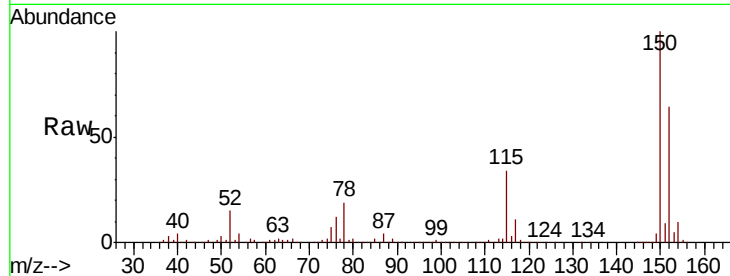
Tot Ion:152 Resp: 161843

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

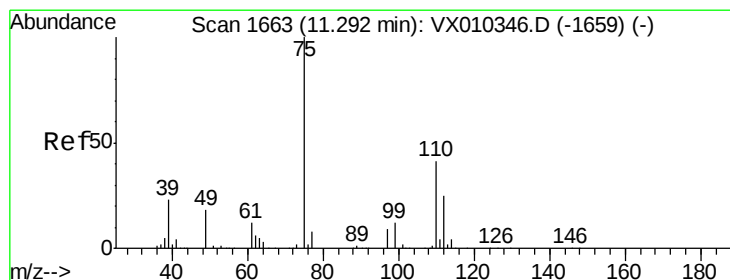
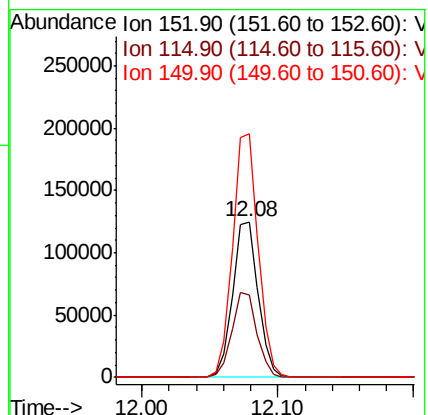
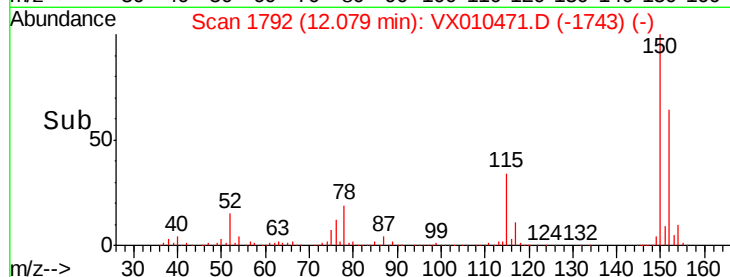
150 157.0 0.0 347.4



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: 24.594 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010471.D

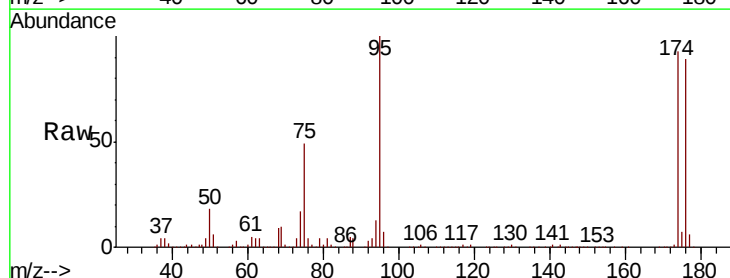
Acq: 26 Jun 2019 18:30

Tgt Ion: 75 Resp: 72532

Ion Ratio Lower Upper

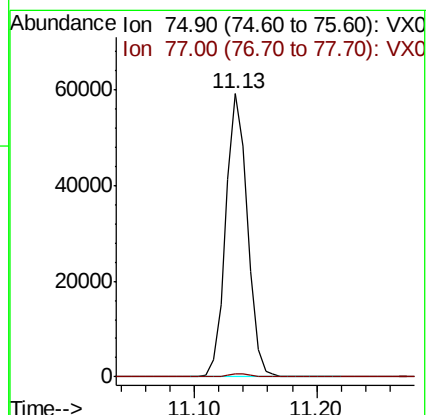
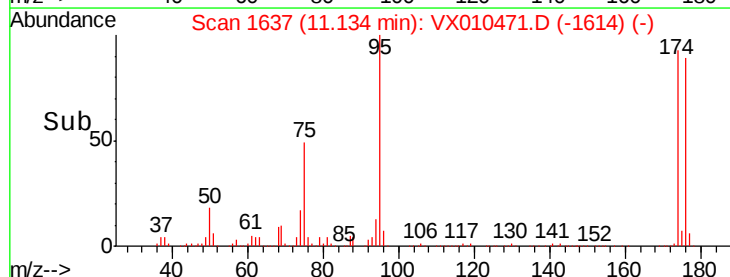
75 100

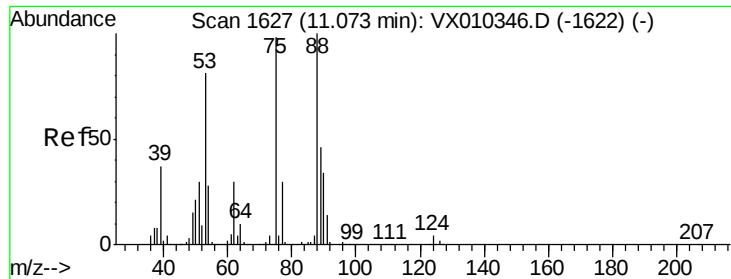
77 1.3 22.6 67.8#



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: 57.375 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010471.D
 Acq: 26 Jun 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919

Tot Ion: 75 Resp: 72532
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.1 37.8 56.6#

