

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010477.D
 Acq On : 27 Jun 2019 10:28
 Operator : JC/SP
 Sample : VX0627MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:44:47 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	5.66	168	261230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	400594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	159528	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	123609	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.49	113	124367	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.71	98	466854	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	151821	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

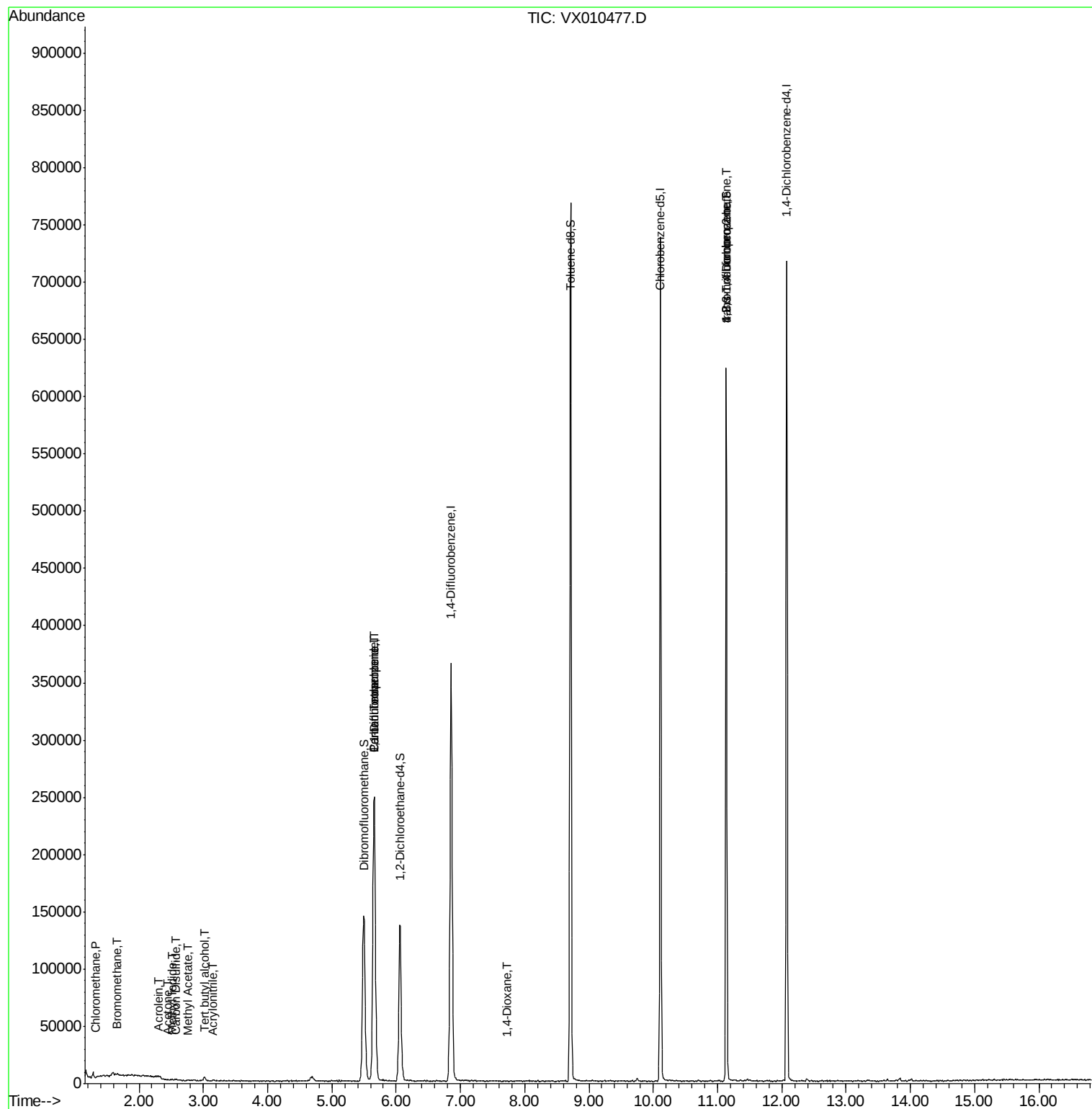
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	635	0.300	ug/l	99
5) Bromomethane	1.66	94	681	0.603	ug/l #	60
10) Methyl Iodide	2.51	142	814	0.256	ug/l #	88
11) Tert butyl alcohol	3.02	59	1879	2.932	ug/l #	93
13) Acrolein	2.29	56	521	1.225	ug/l #	34
15) Acrylonitrile	3.15	53	260	0.205	ug/l #	70
16) Acetone	2.44	43	300	0.244	ug/l #	86
17) Carbon Disulfide	2.57	76	1250	0.206	ug/l #	94
18) Methyl Acetate	2.76	43	557	0.228	ug/l #	60
36) 1,1-Dichloropropene	5.65	75	16231	5.099	ug/l #	44
38) Carbon Tetrachloride	5.65	117	23250	6.745	ug/l #	15
49) 1,4-Dioxane	7.73	88	22	0.303	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71112	24.462	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71112	57.068	ug/l #	16

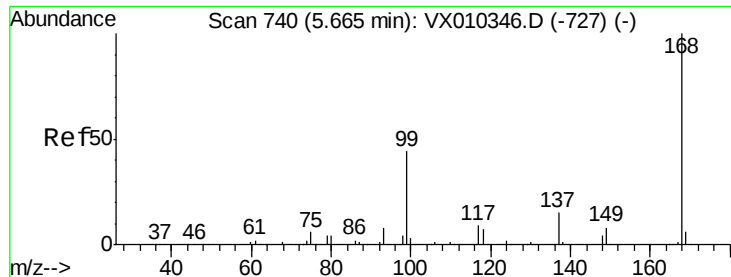
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062719\
Data File : VX010477.D
Acq On : 27 Jun 2019 10:28
Operator : JC/SP
Sample : VX0627MBL01
Misc : 5.0µL/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 28 06:44:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

Instrument :

MSVOA_X

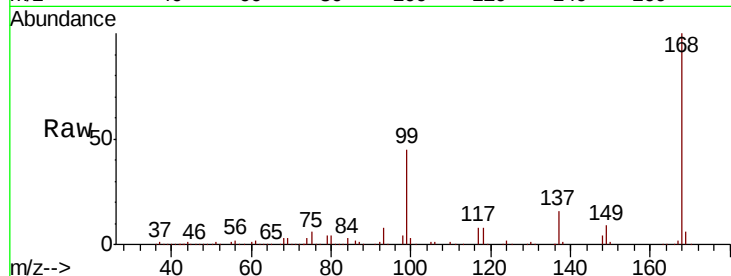
ClientSampleId :

Tot Ion:168 Resp: 261230

Ion Ratio Lower Upper

168 100

99 45.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

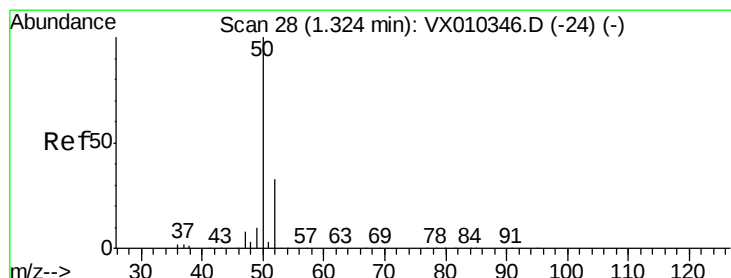
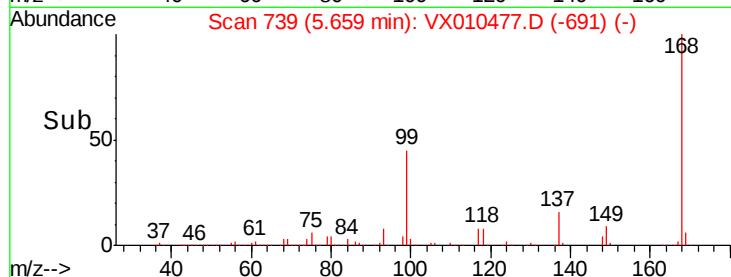
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.300 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010477.D

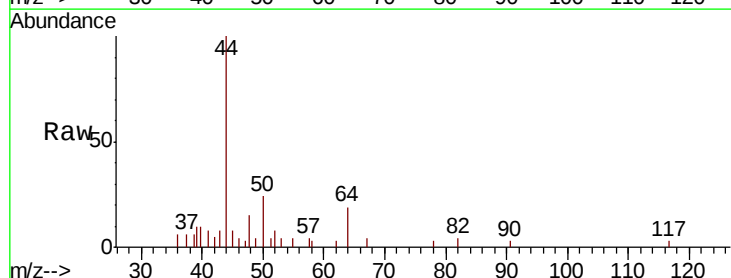
Acq: 27 Jun 2019 10:28

Tgt Ion: 50 Resp: 635

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

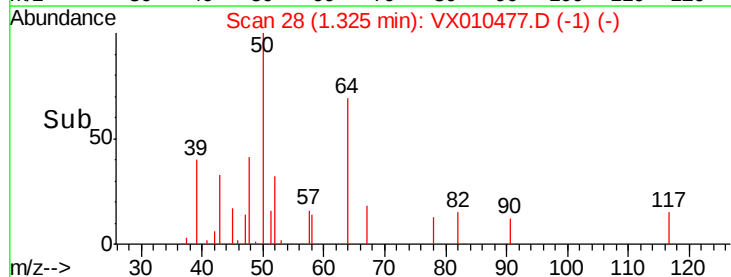
200

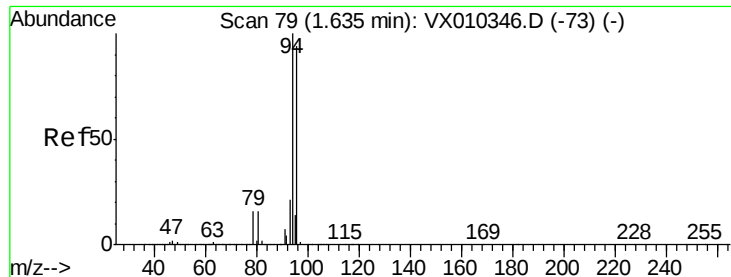
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.603 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

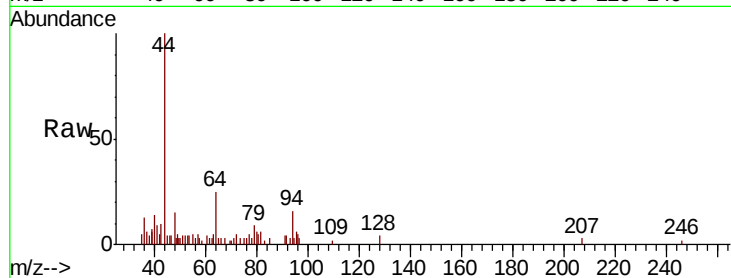
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 681

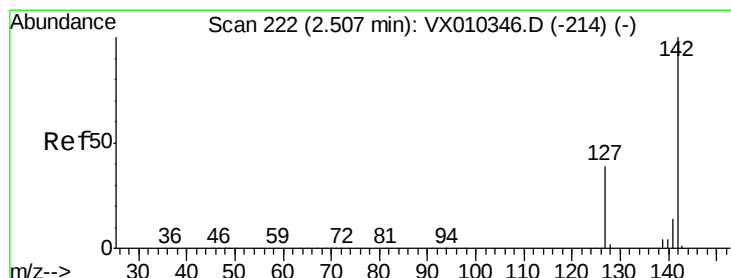
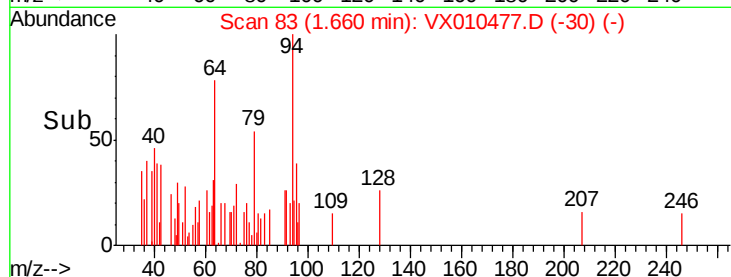
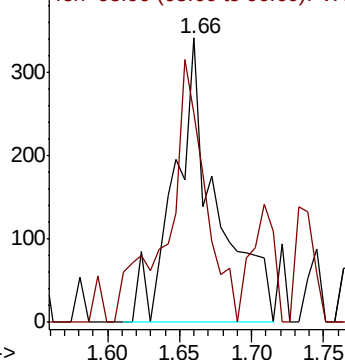
Ion Ratio Lower Upper

94 100

96 56.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.256 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

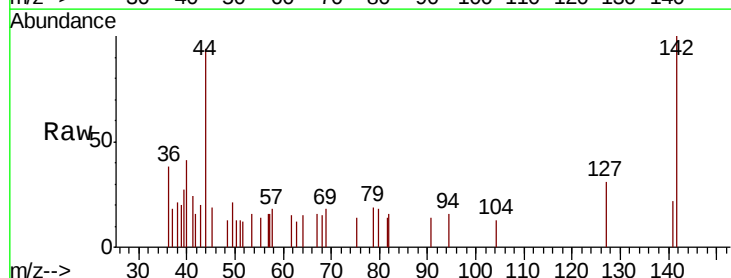
Tgt Ion:142 Resp: 814

Ion Ratio Lower Upper

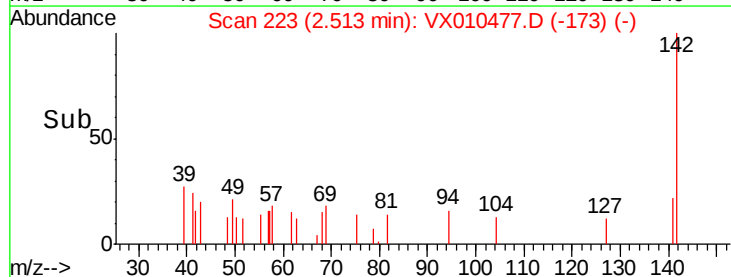
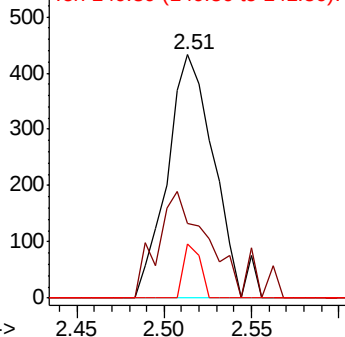
142 100

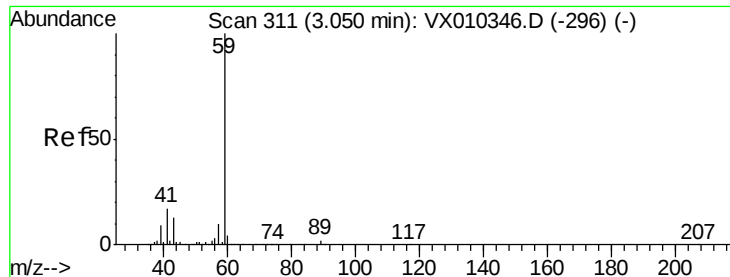
127 45.7 31.1 46.7

141 7.7 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



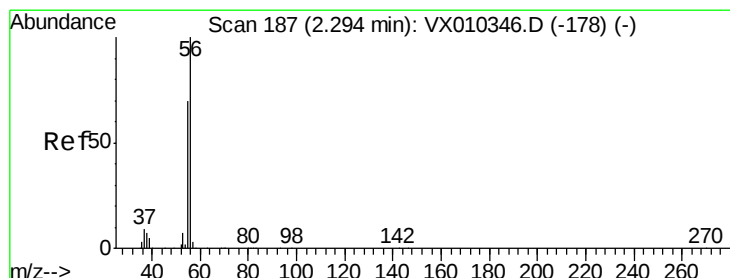
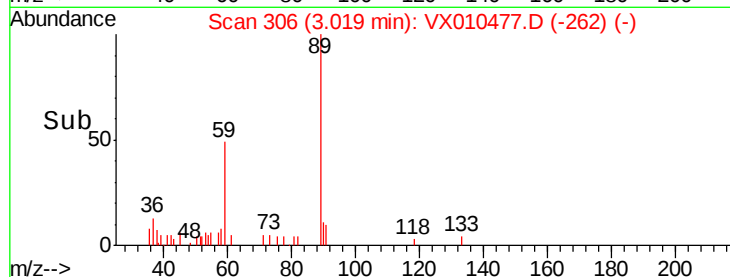
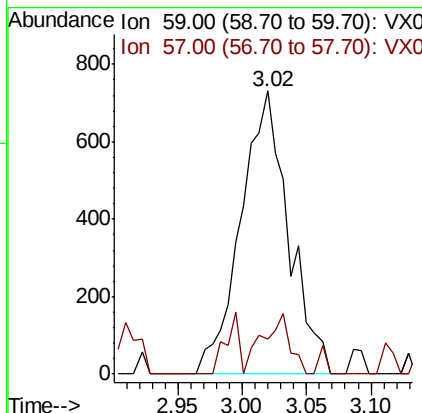
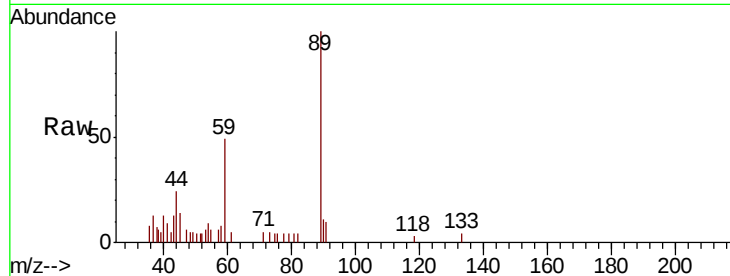


#11

Tert butyl alcohol
 Concen: 2.932 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010477.D
 Acq: 27 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampleId :

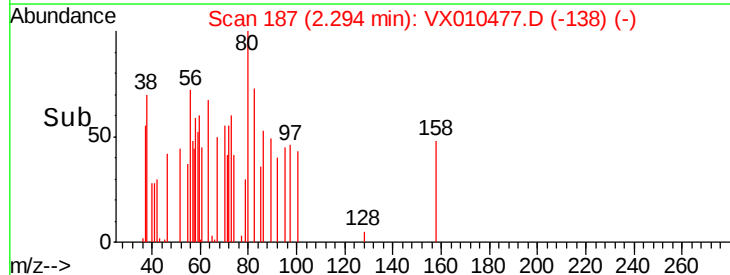
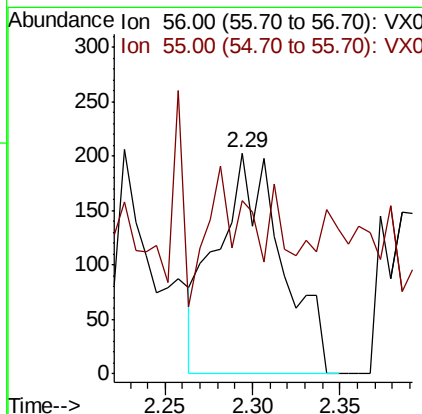
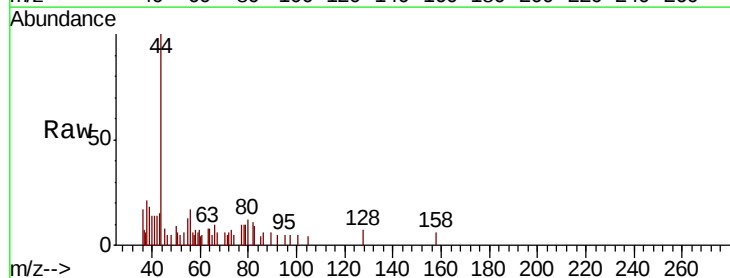
Tot Ion: 59 Resp: 1879
 Ion Ratio Lower Upper
 59 100
 57 12.3 7.7 11.5#

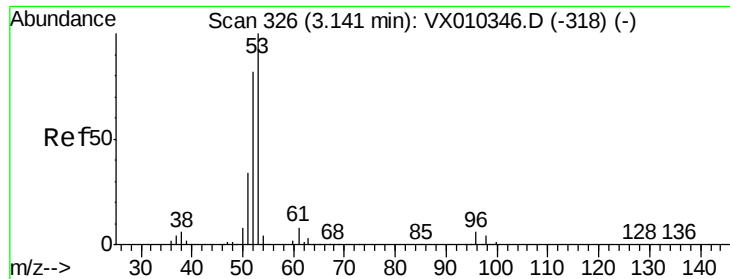


#13

Acrolein
 Concen: 1.225 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010477.D
 Acq: 27 Jun 2019 10:28

Tgt Ion: 56 Resp: 521
 Ion Ratio Lower Upper
 56 100
 55 16.9 56.9 85.3#





#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :

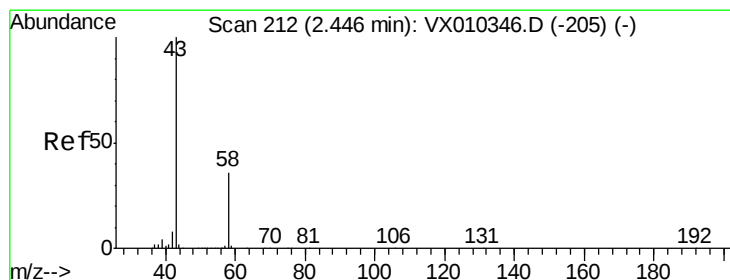
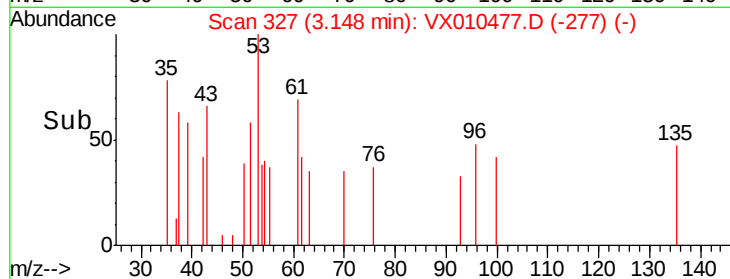
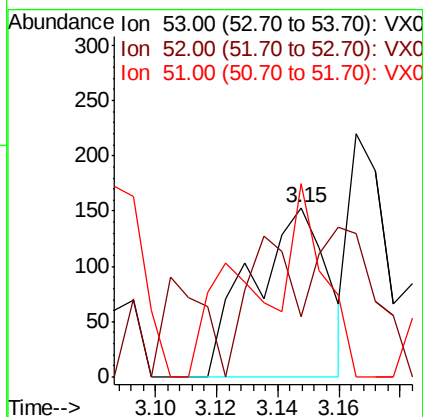
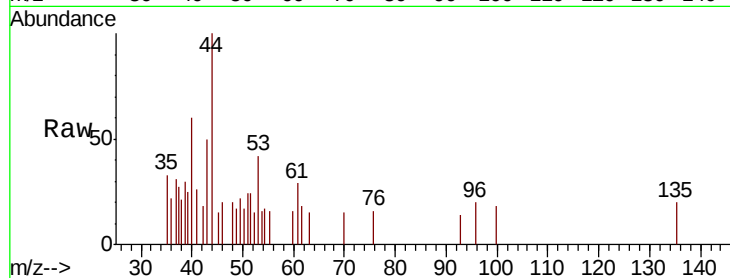
Tot Ion: 53 Resp: 260

Ion Ratio Lower Upper

53 100

52 52.3 65.5 98.3#

51 48.5 28.2 42.4#



#16

Acetone

Concen: 0.244 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010477.D

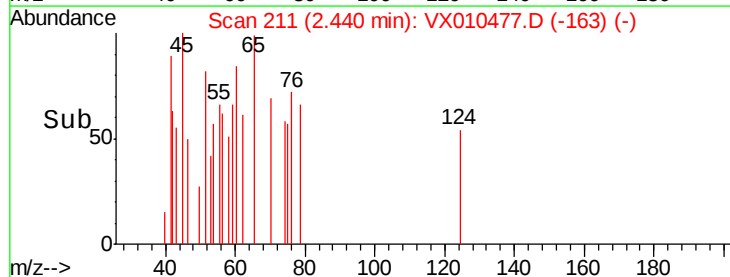
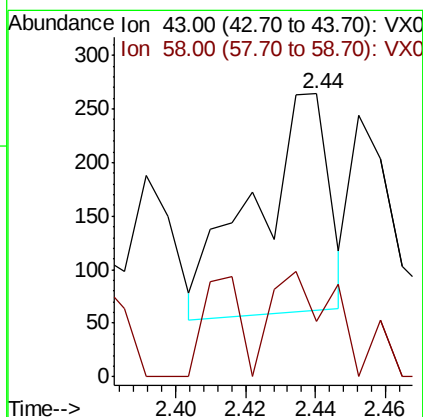
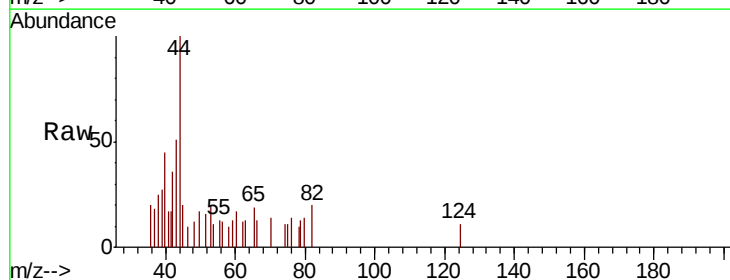
Acq: 27 Jun 2019 10:28

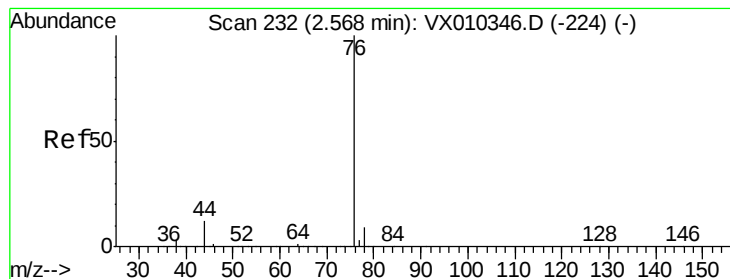
Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

43 100

58 28.0 28.9 43.3#





#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

Instrument :

MSVOA_X

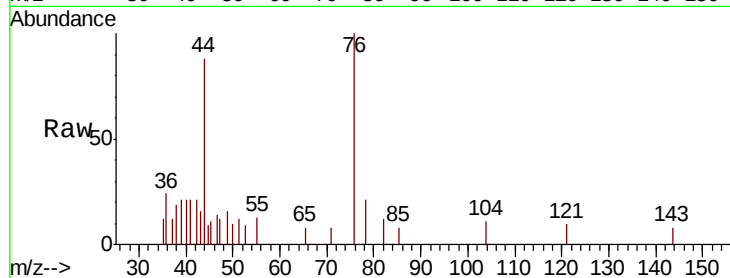
ClientSampled :

Tot Ion: 76 Resp: 1250

Ion Ratio Lower Upper

76 100

78 11.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

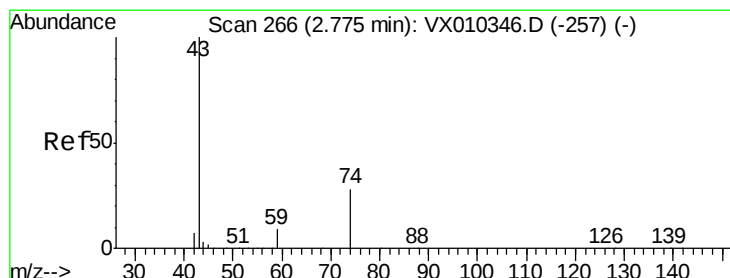
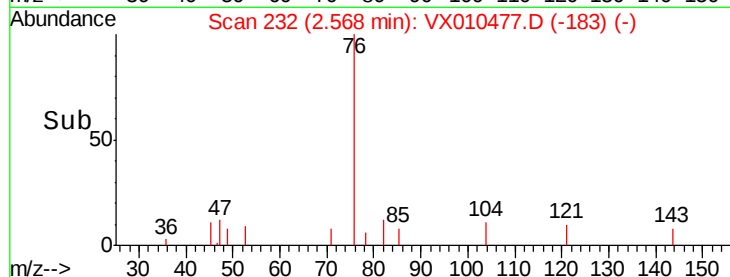
400

200

0

2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.228 ug/l

RT: 2.76 min Scan# 263

Delta R.T. -0.02 min

Lab File: VX010477.D

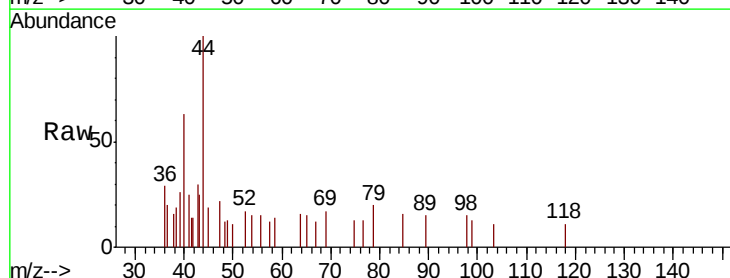
Acq: 27 Jun 2019 10:28

Tgt Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

74 5.9 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

250

200

150

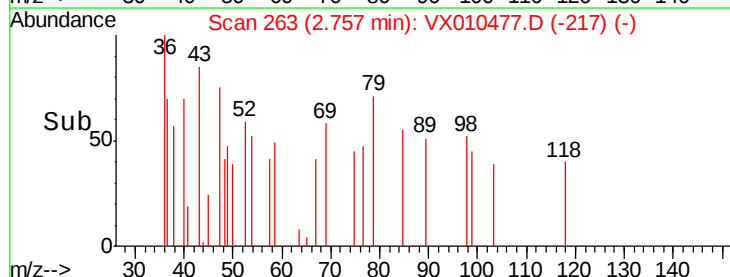
100

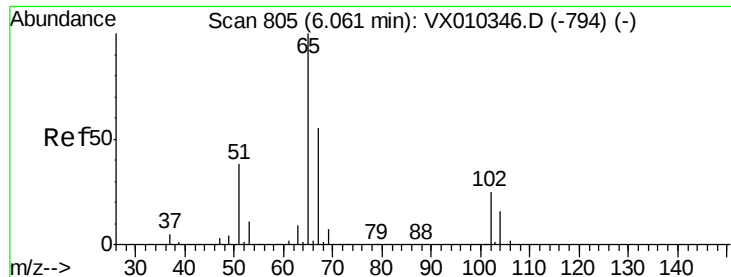
50

0

2.70 2.75 2.80 2.85

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.467 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

Instrument :

MSVOA_X

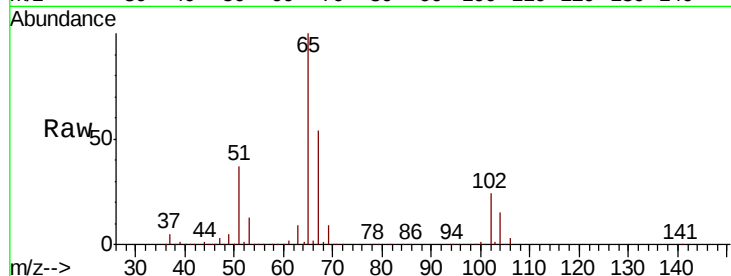
ClientSampleId :

Tot Ion: 65 Resp: 123609

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

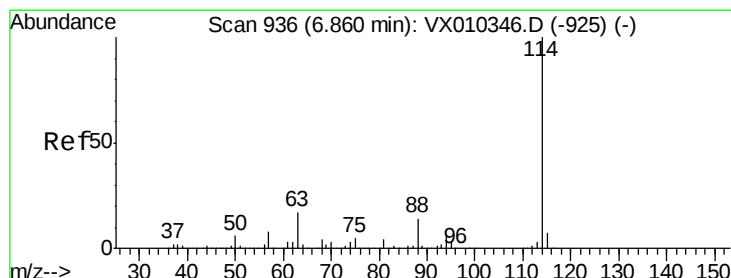
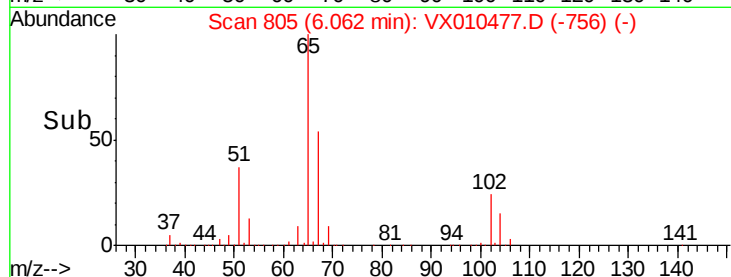
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

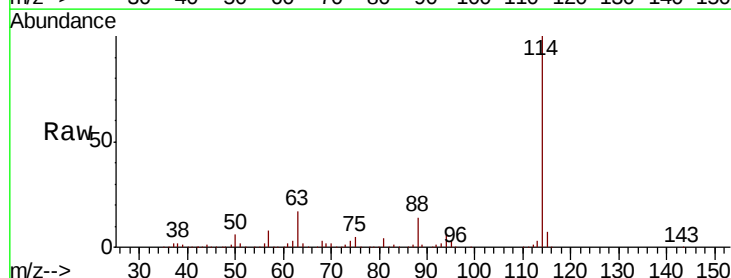
Tgt Ion: 114 Resp: 400594

Ion Ratio Lower Upper

114 100

63 17.2 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

200000

150000

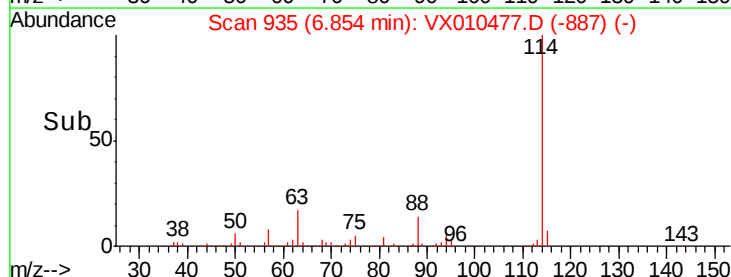
100000

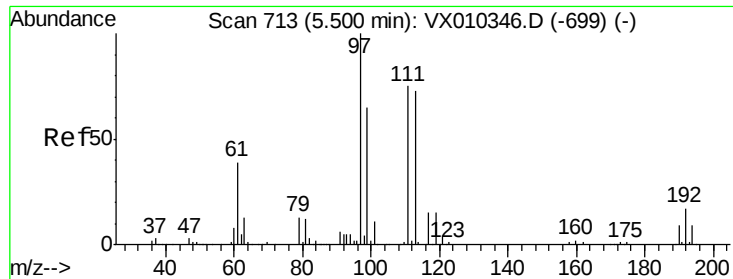
50000

0

Time-->

6.80 6.90

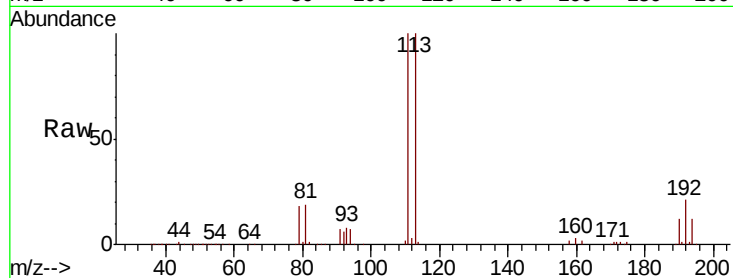




#35
 Dibromofluoromethane
 Concen: 50.742 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010477.D
 Acq: 27 Jun 2019 10:28

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.2	121.8
192	22.8	18.6	27.8

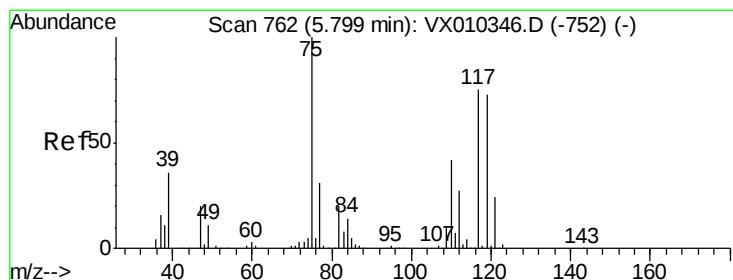
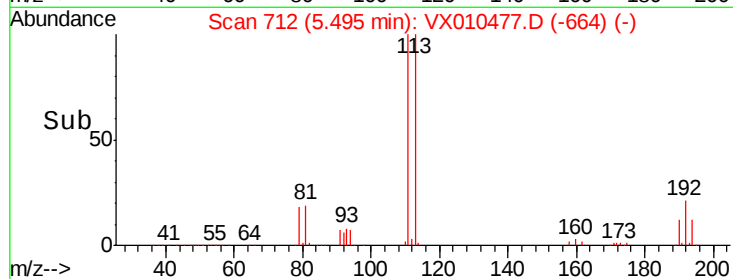
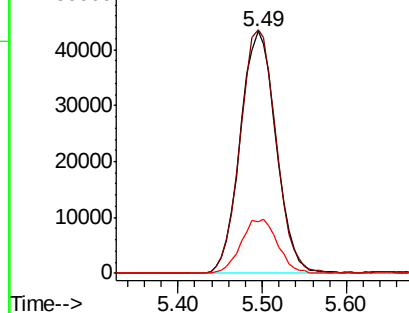


Abundance

Ion 112.80 (112.50 to 113.50): V

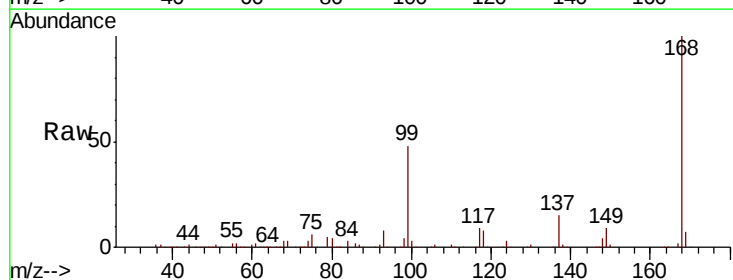
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010477.D
 Acq: 27 Jun 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	20.8	62.2#
77	0.4	25.4	38.0#

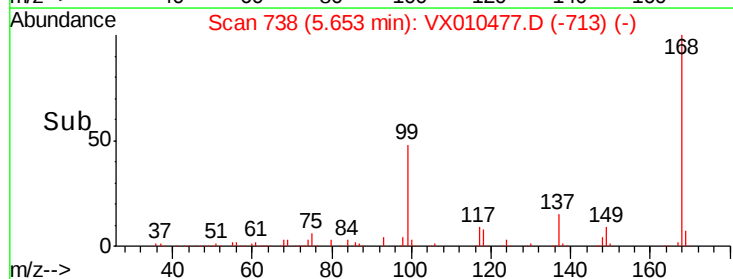
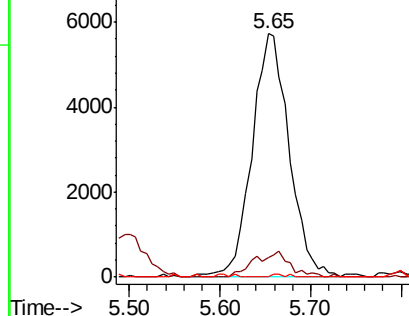


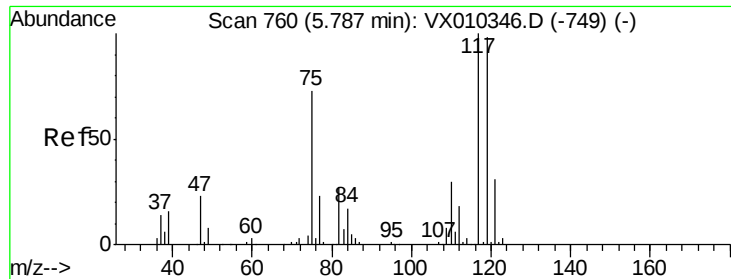
Abundance

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

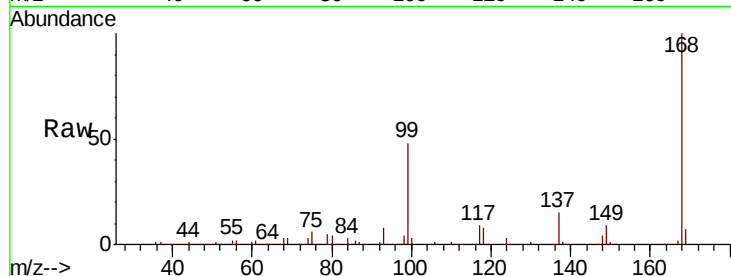




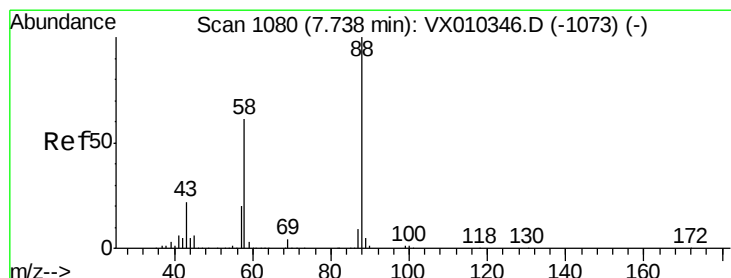
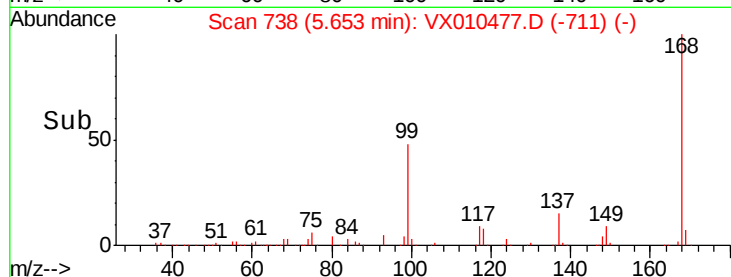
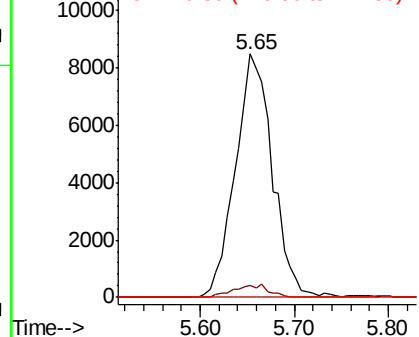
#38
Carbon Tetrachloride
Concen: 6.745 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010477.D
Acq: 27 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 23250
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.4#
121 0.0 24.7 37.1#

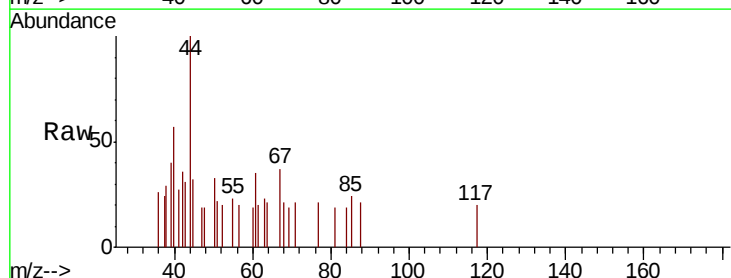


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

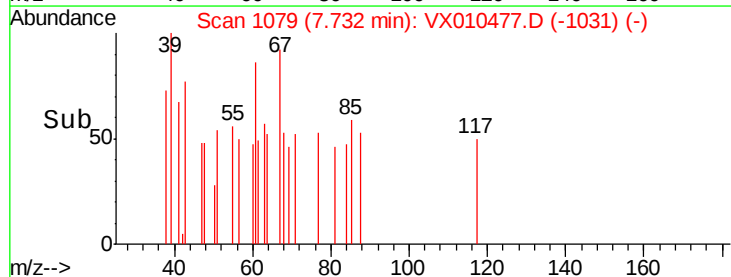
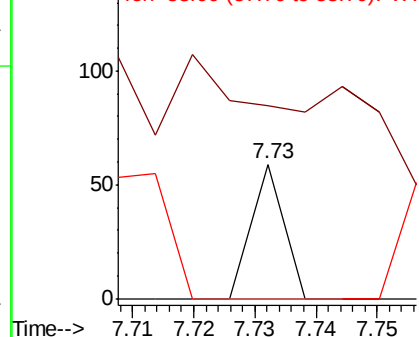


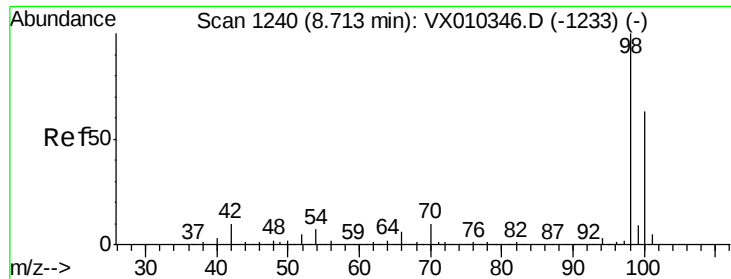
#49
1,4-Dioxane
Concen: 0.303 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010477.D
Acq: 27 Jun 2019 10:28

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 450.0 20.2 30.2#
58 0.0 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: 49.787 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

Instrument :

MSVOA_X

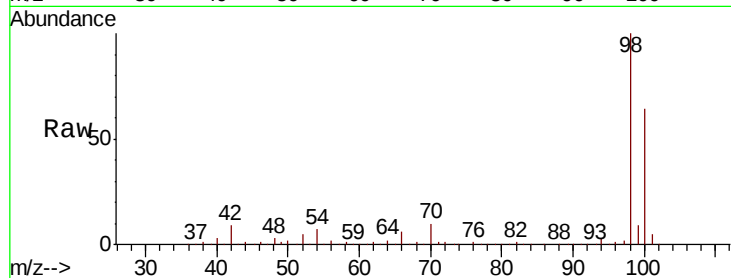
ClientSampleId :

Tot Ion: 98 Resp: 466854

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

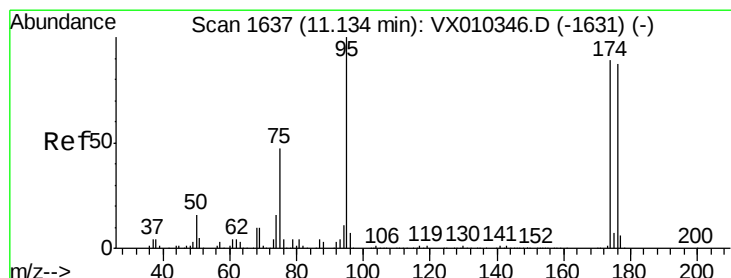
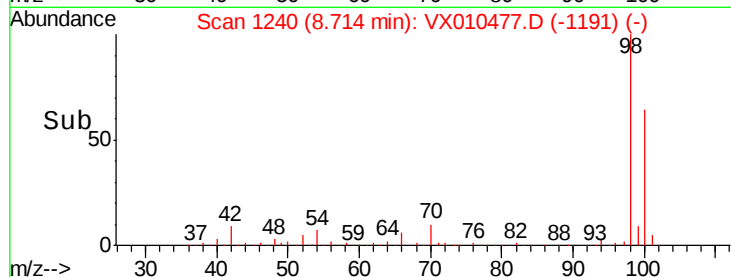
200000

100000

0

8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.846 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

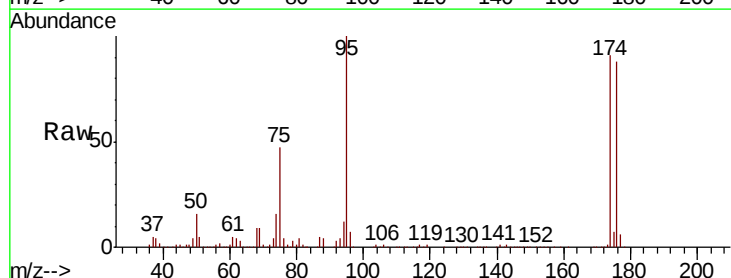
Tgt Ion: 95 Resp: 151821

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

176 93.4 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

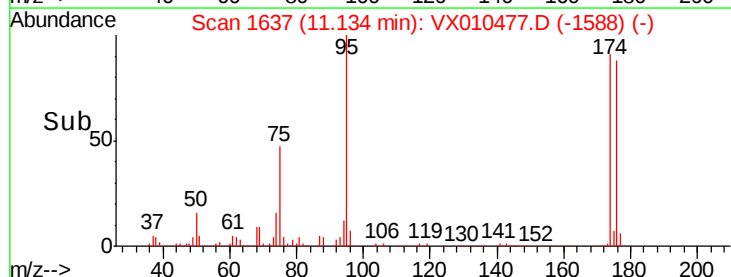
100000

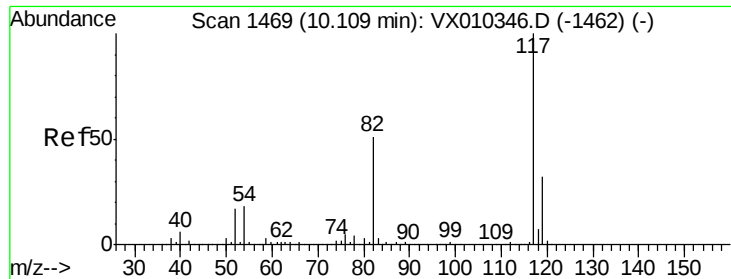
50000

0

11.05 11.10 11.15 11.20

Time-->

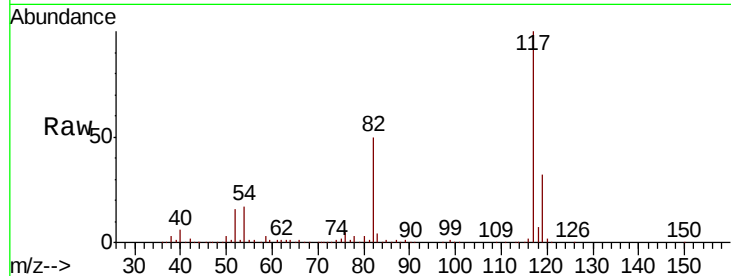




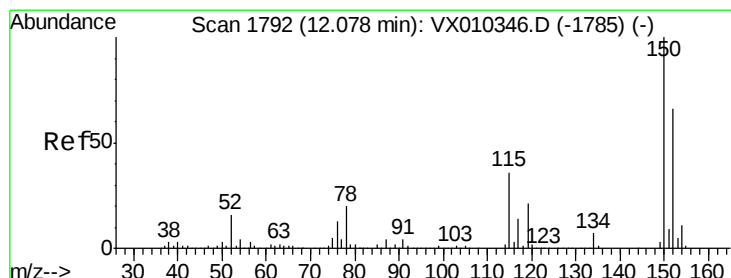
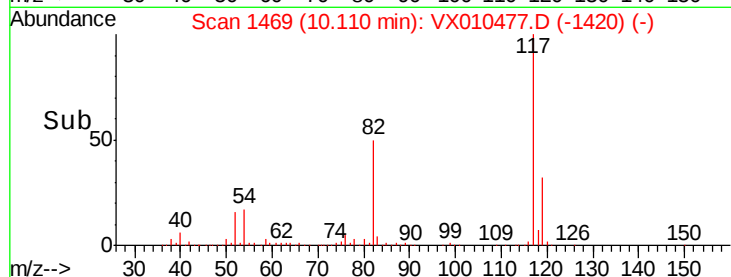
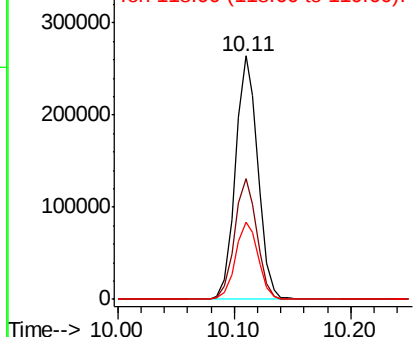
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010477.D
Acq: 27 Jun 2019 10:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 353356
Ion Ratio Lower Upper
117 100
82 49.7 41.2 61.8
119 31.9 25.5 38.3

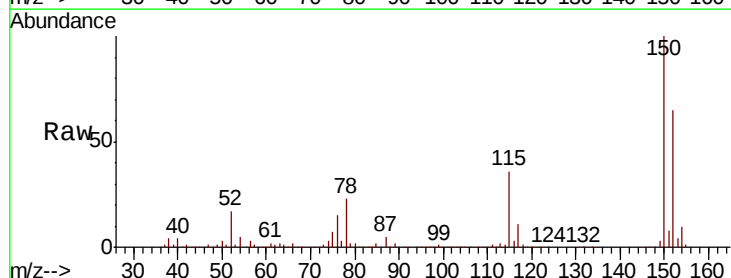


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

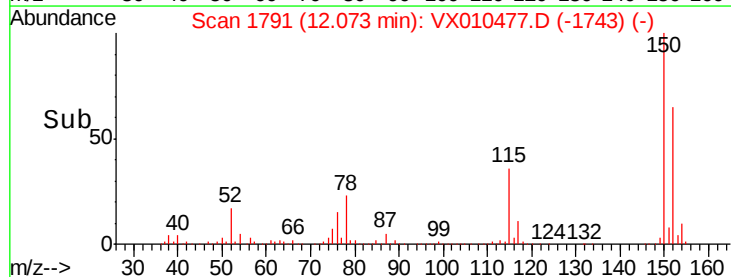
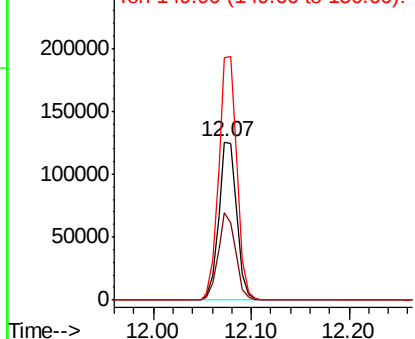


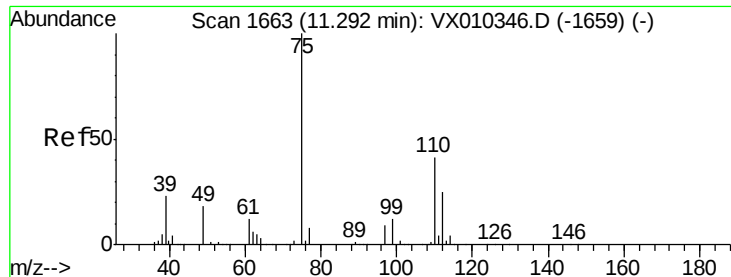
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX010477.D
Acq: 27 Jun 2019 10:28

Tgt Ion:152 Resp: 159528
Ion Ratio Lower Upper
152 100
115 53.4 38.6 115.7
150 155.9 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: 24.462 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

Instrument :

MSVOA_X

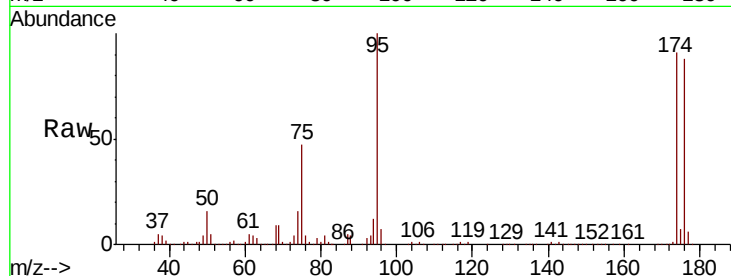
ClientSampleId :

Tot Ion: 75 Resp: 71112

Ion Ratio Lower Upper

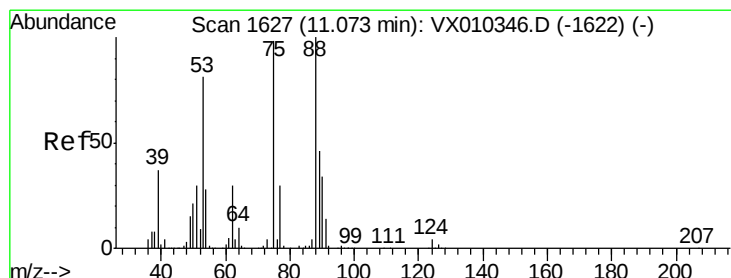
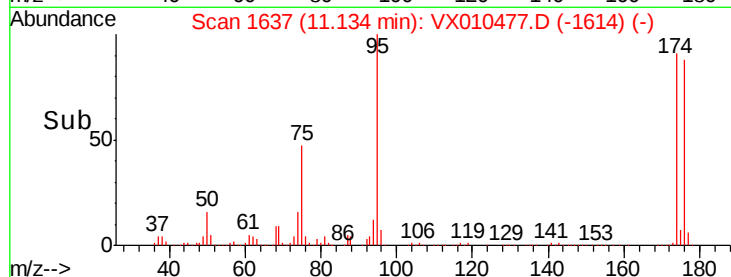
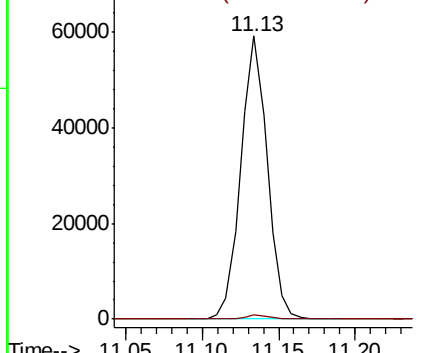
75 100

77 1.5 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: 57.068 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010477.D

Acq: 27 Jun 2019 10:28

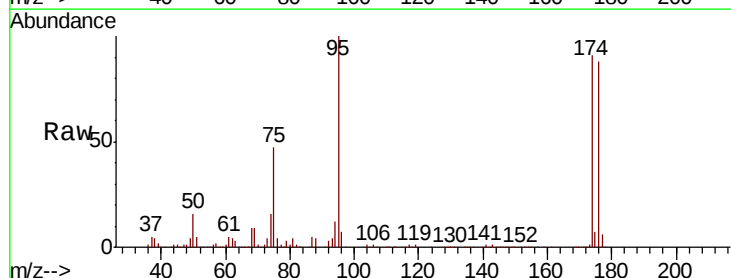
Tgt Ion: 75 Resp: 71112

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#



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

