

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010584.D
 Acq On : 01 Jul 2019 12:37
 Operator : JC/SP
 Sample : K3521-47
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2D

Quant Time: Jul 02 04:50:31 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	253554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152281	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	120963	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	5.50	113	118228	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.71	98	452503	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	147122	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

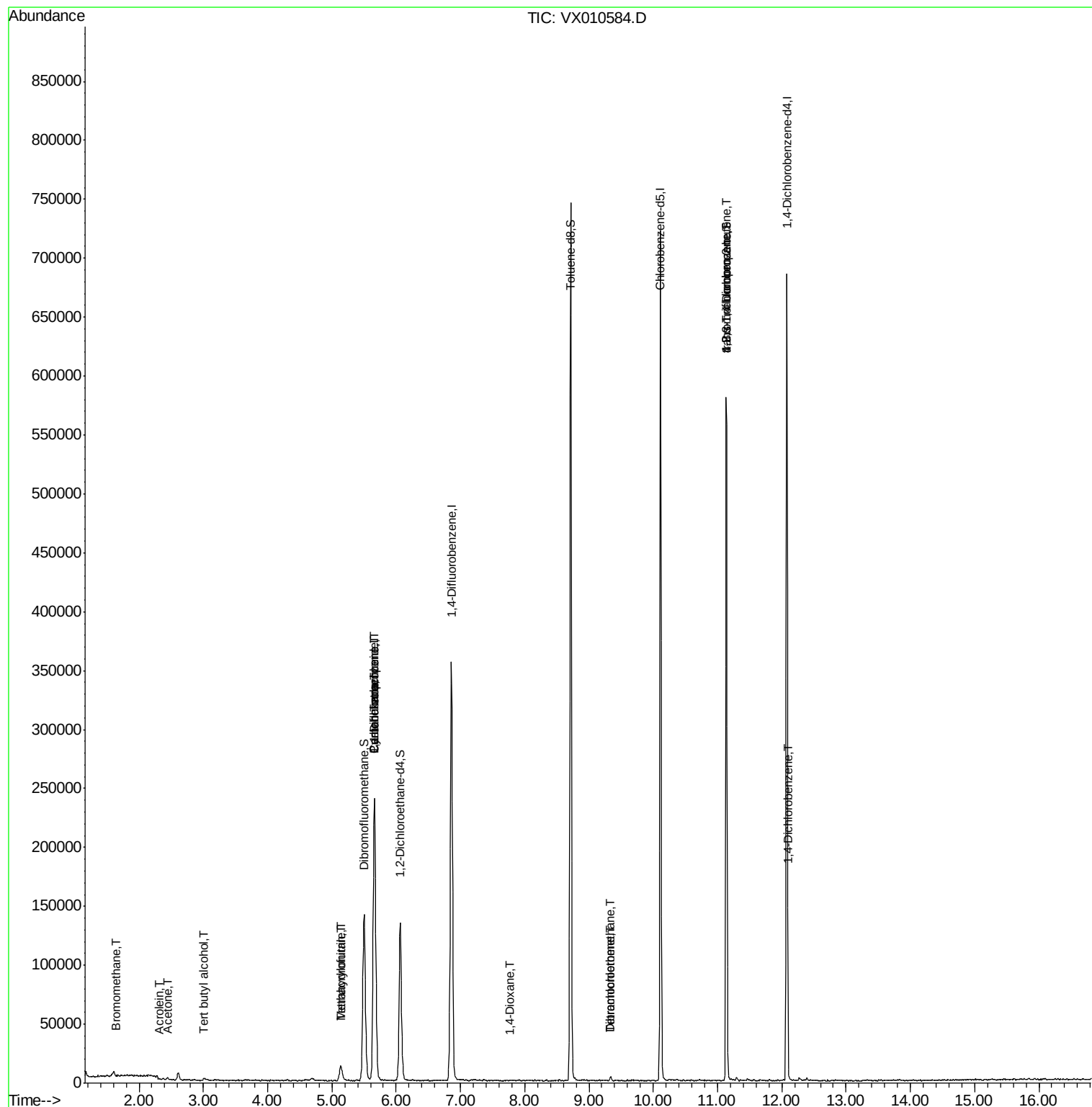
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	494	0.451	ug/l #	73
11) Tert butyl alcohol	3.01	59	570	0.916	ug/l	99
13) Acrolein	2.31	56	345	0.836	ug/l	83
16) Acetone	2.45	43	2721	2.284	ug/l #	85
29) Tetrahydrofuran	5.14	42	12728	11.758	ug/l	94
31) Cyclohexane	5.66	56	4657	1.356	ug/l #	20
36) 1,1-Dichloropropene	5.66	75	15763	5.124	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22789	6.841	ug/l #	14
41) Methacrylonitrile	5.13	41	6752	3.888	ug/l #	44
49) 1,4-Dioxane	7.76	88	49	0.699	ug/l #	1
60) Dibromochloromethane	9.34	129	584	0.200	ug/l #	11
64) Tetrachloroethene	9.34	164	652	0.234	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	71076	25.613	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71076	59.753	ug/l #	16
88) 1,4-Dichlorobenzene	12.10	146	1200	0.234	ug/l #	1

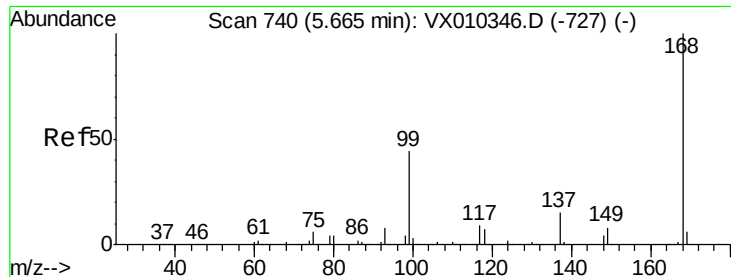
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010584.D

Acq: 01 Jul 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

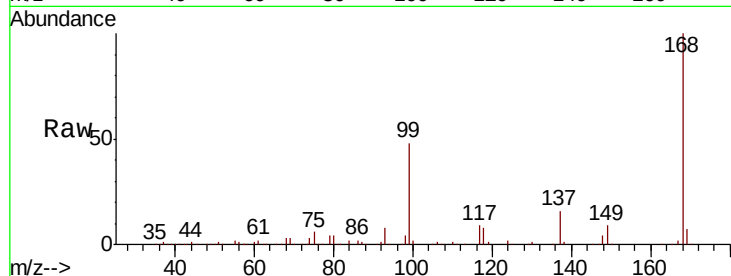
SY-2D

Tot Ion:168 Resp: 253554

Ion Ratio Lower Upper

168 100

99 47.9 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

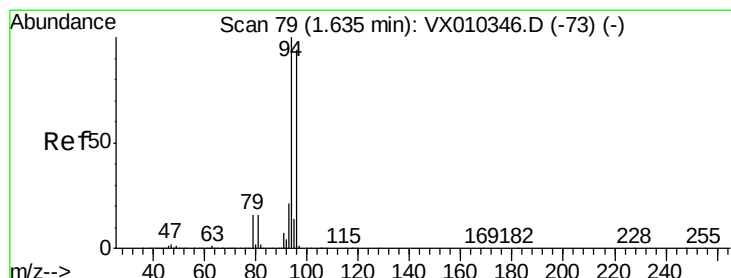
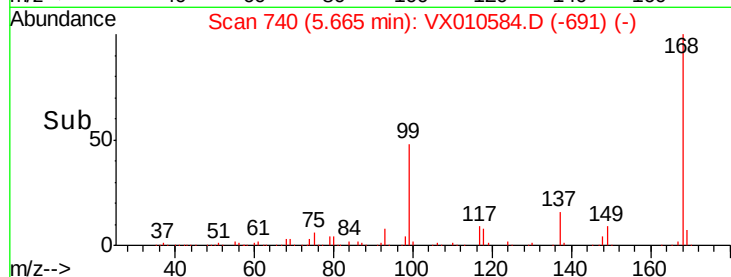
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.451 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010584.D

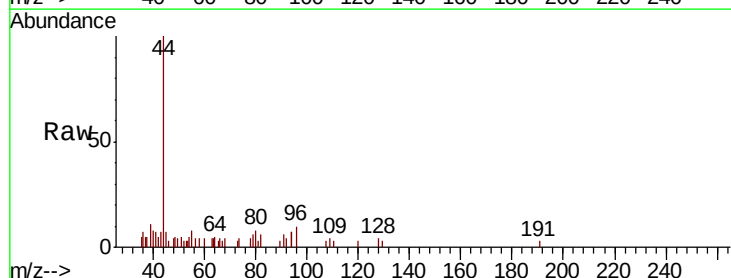
Acq: 01 Jul 2019 12:37

Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

94 100

96 67.9 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

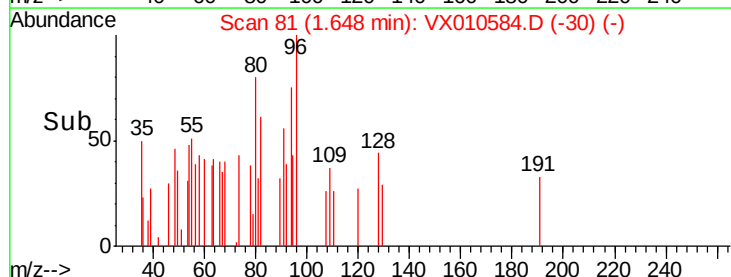
300

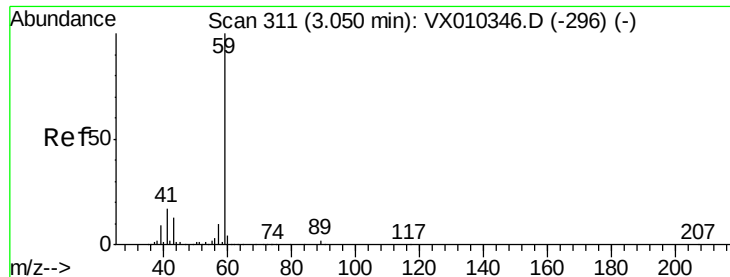
200

100

0

Time--> 1.60 1.65 1.70

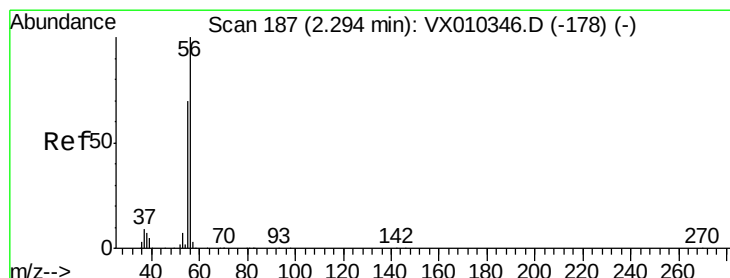
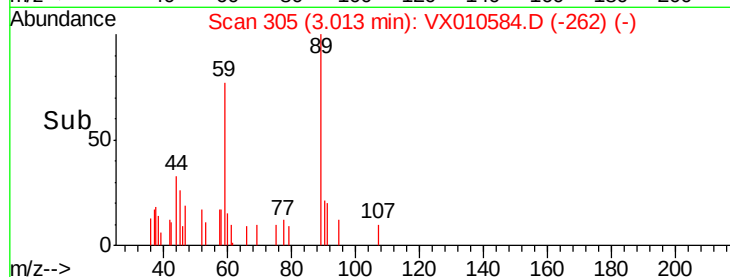
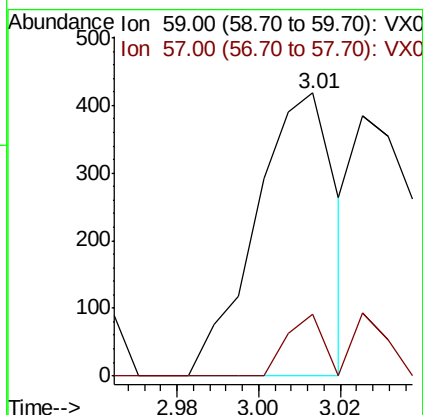
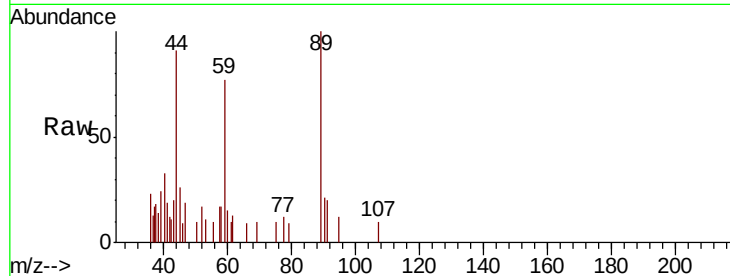




#11
Tert butyl alcohol
Concen: 0.916 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010584.D
Acq: 01 Jul 2019 12:37

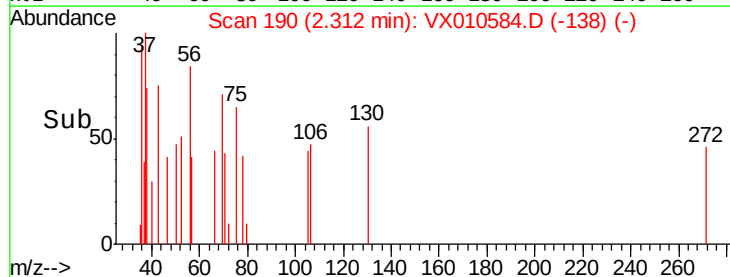
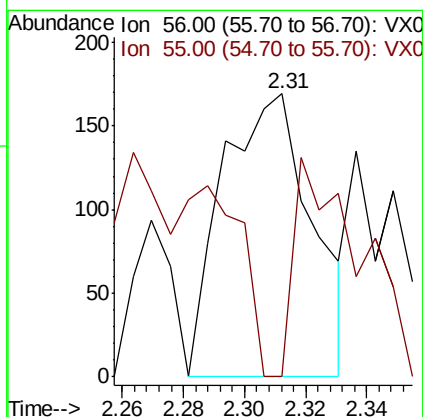
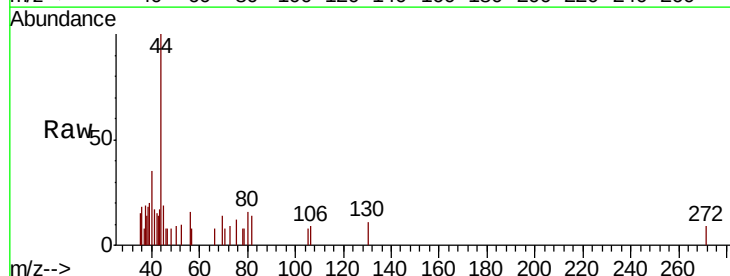
Instrument :
MSVOA_X
ClientSampled :
SY-2D

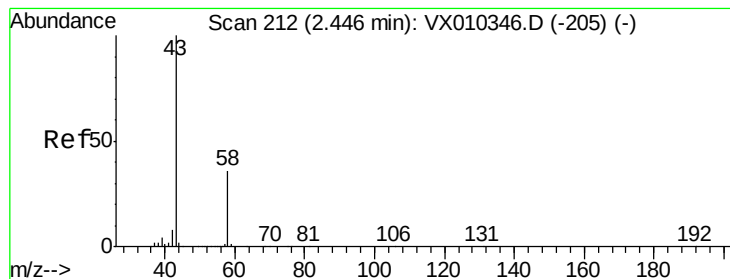
Tot Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 9.8 7.7 11.5



#13
Acrolein
Concen: 0.836 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX010584.D
Acq: 01 Jul 2019 12:37

Tgt Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
55 57.1 56.9 85.3





#16

Acetone

Concen: 2.284 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

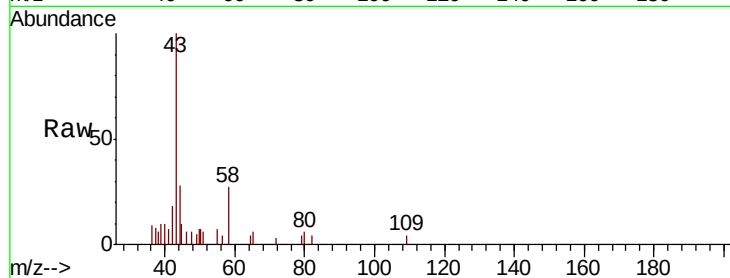
SY-2D

Tot Ion: 43 Resp: 2721

Ion Ratio Lower Upper

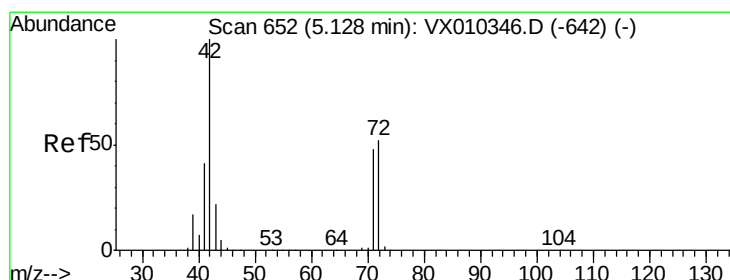
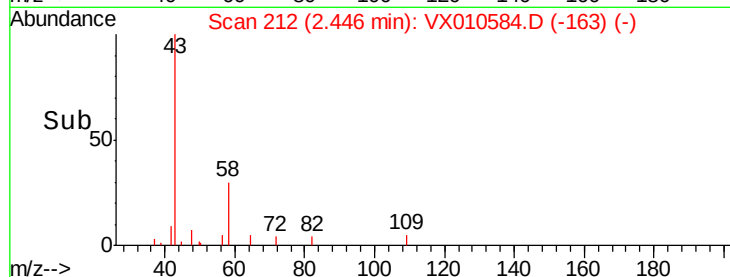
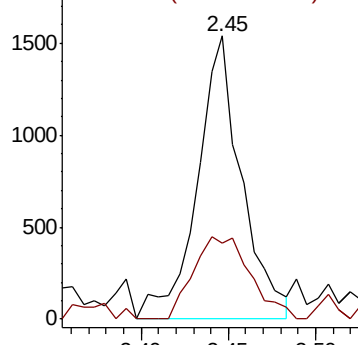
43 100

58 27.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 11.758 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

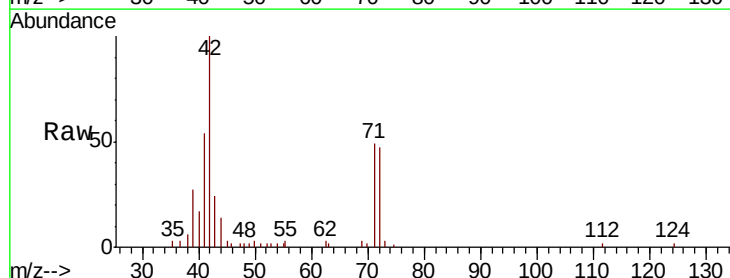
Tgt Ion: 42 Resp: 12728

Ion Ratio Lower Upper

42 100

72 45.7 40.6 60.8

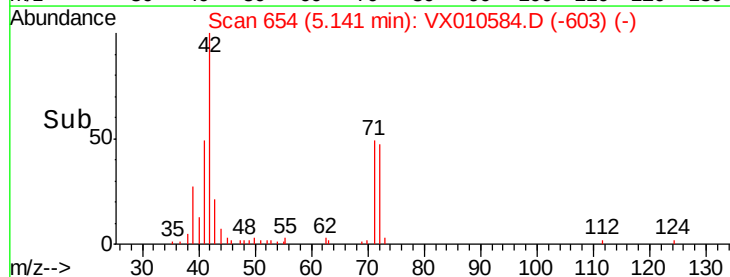
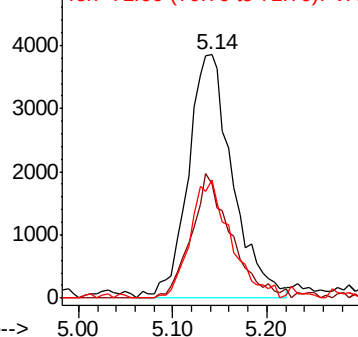
71 44.2 37.8 56.8

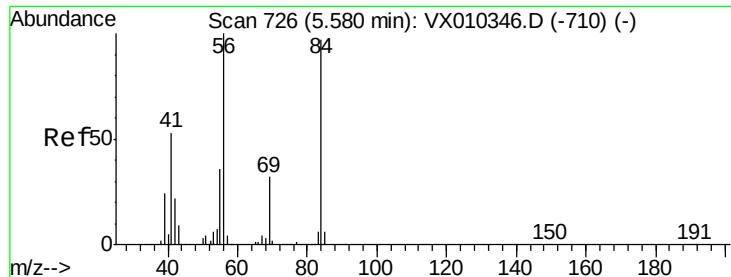


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

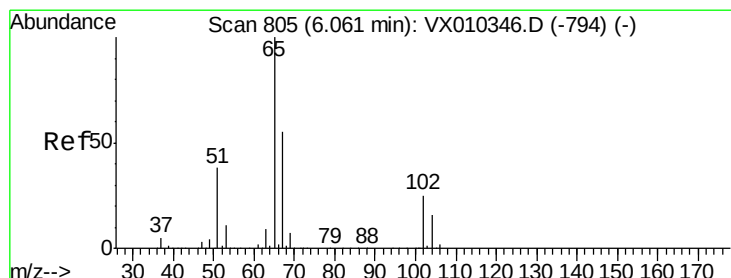
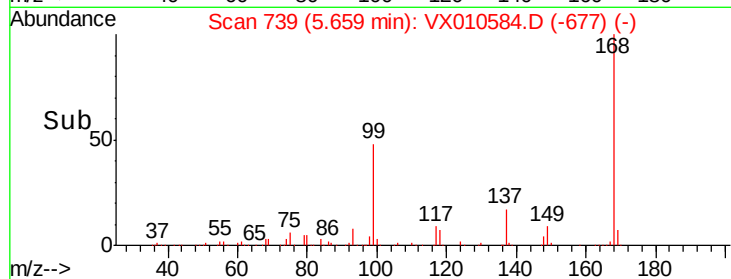
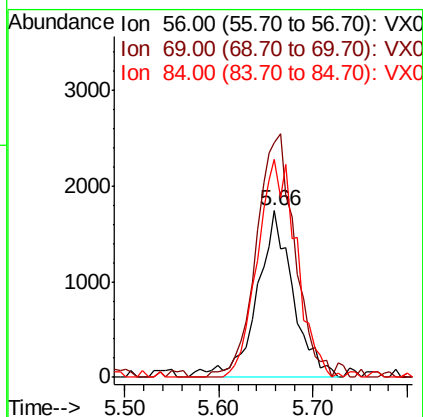
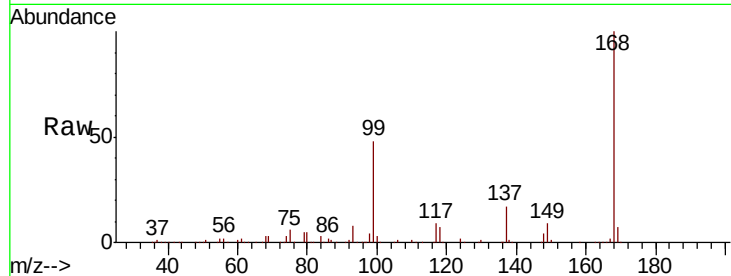




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010584.D
Acq: 01 Jul 2019 12:37

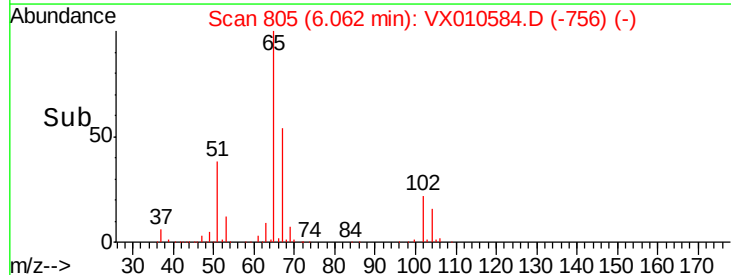
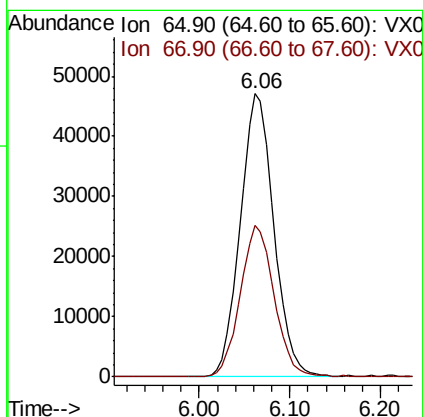
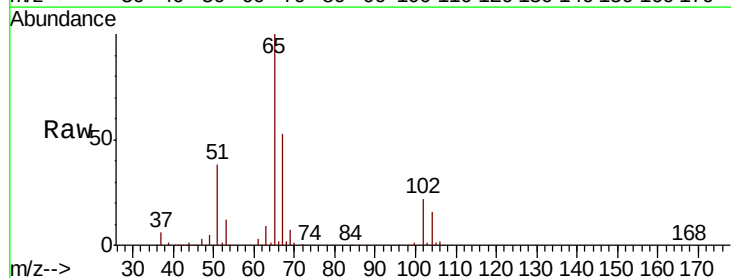
Instrument :
MSVOA_X
ClientSampleId :
SY-2D

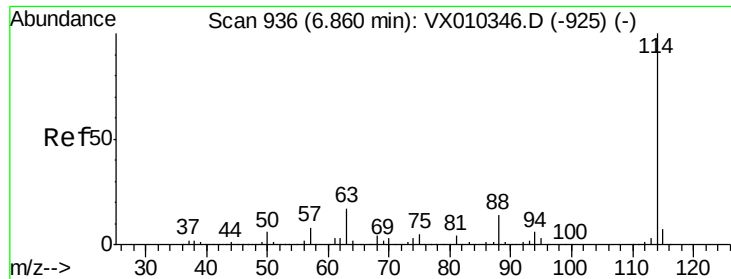
Tot Ion: 56 Resp: 4657
Ion Ratio Lower Upper
56 100
69 140.8 25.9 38.9#
84 138.6 78.0 117.0#



#33
1,2-Dichloroethane-d4
Concen: 50.882 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010584.D
Acq: 01 Jul 2019 12:37

Tgt Ion: 65 Resp: 120963
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2

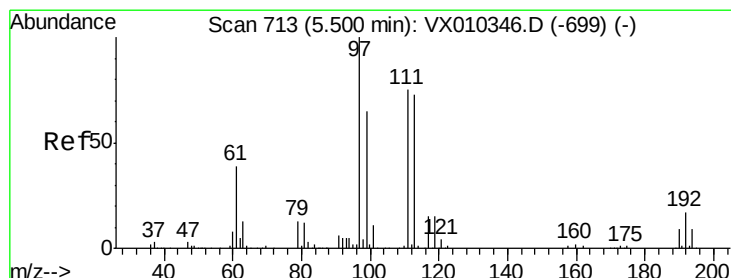
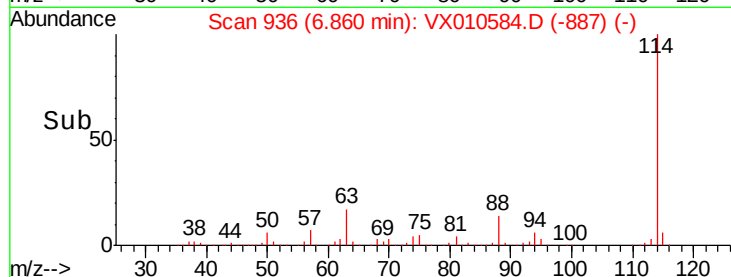
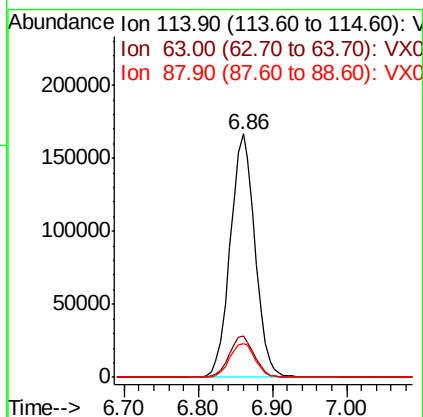
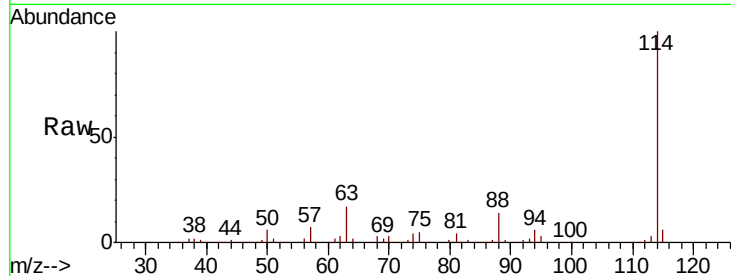




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010584.D
 Acq: 01 Jul 2019 12:37

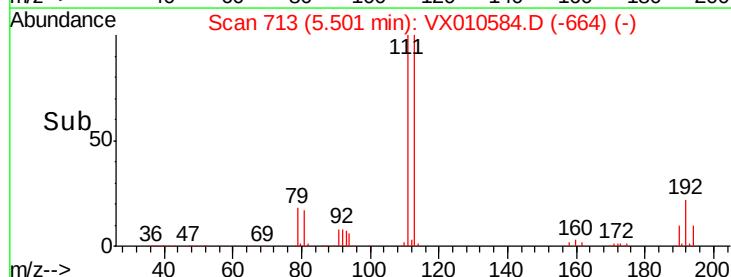
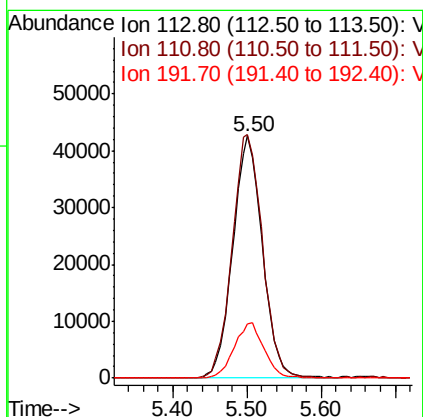
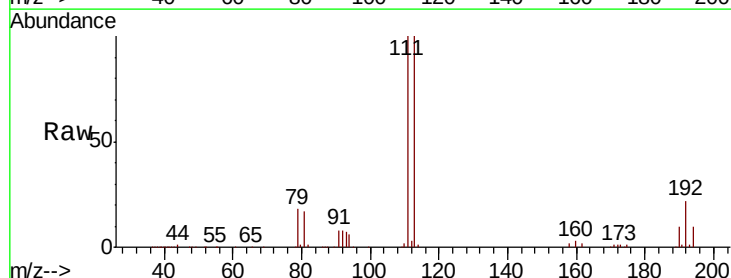
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2D

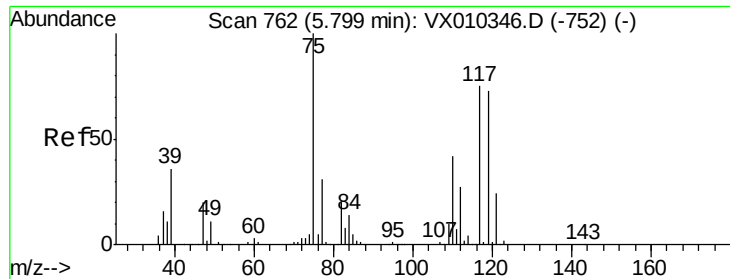
Tot Ion:114 Resp: 387139
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 33.8
 88 14.1 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.914 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010584.D
 Acq: 01 Jul 2019 12:37

Tgt Ion:113 Resp: 118228
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.2 121.8
 192 23.0 18.6 27.8

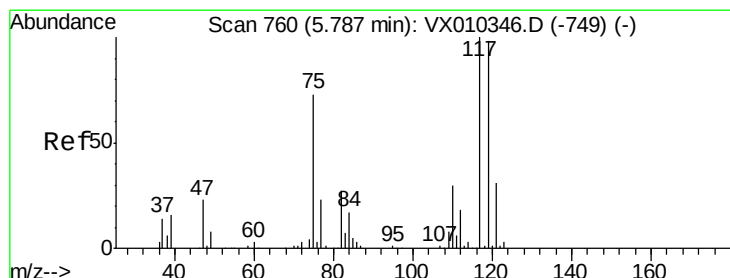
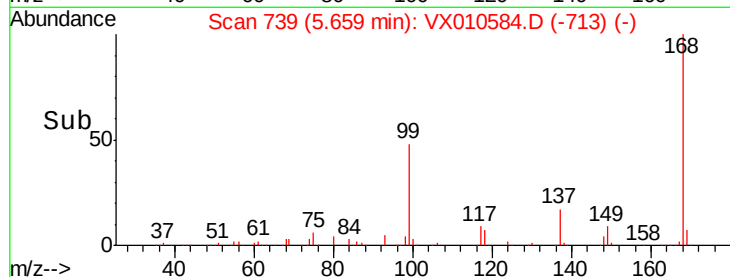
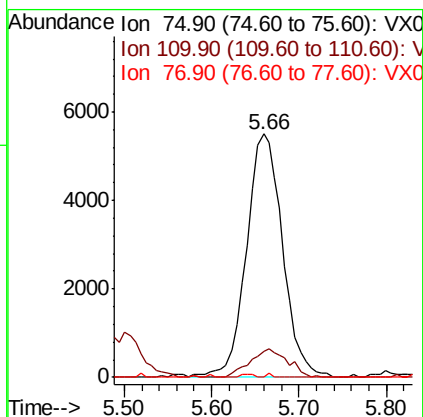
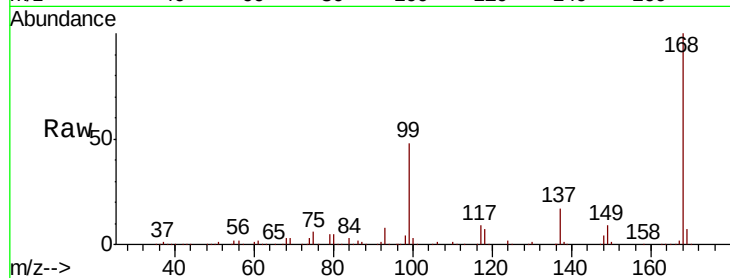




#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010584.D
 Acq: 01 Jul 2019 12:37

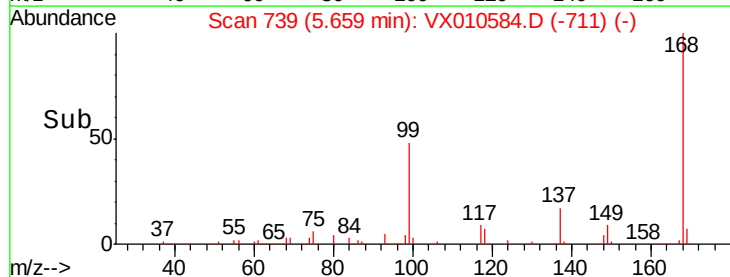
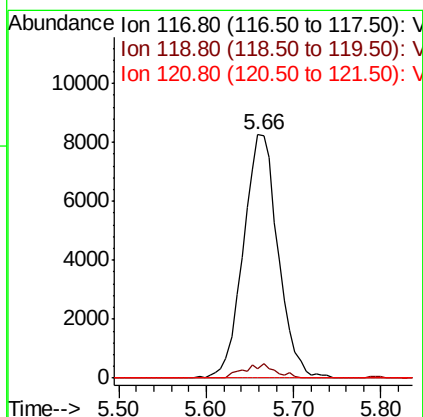
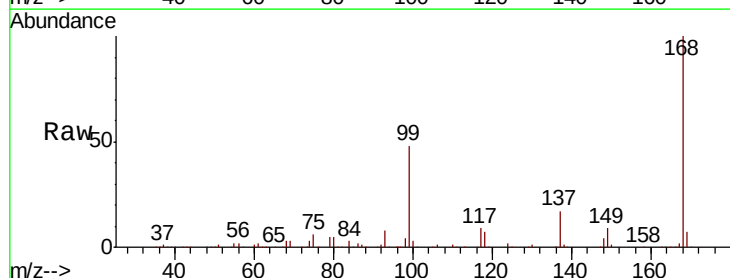
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 ClientSampleId :
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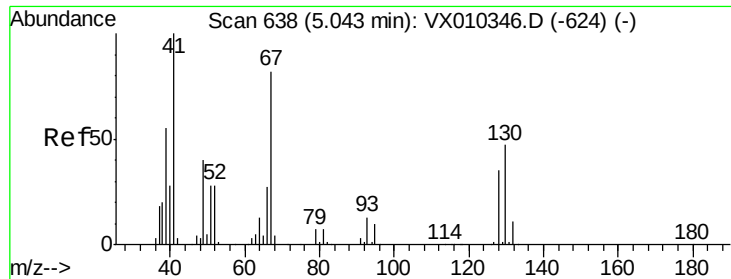
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.1	20.8	62.2#
77	0.2	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.841 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010584.D
 Acq: 01 Jul 2019 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	78.2	117.4#
121	0.0	24.7	37.1#

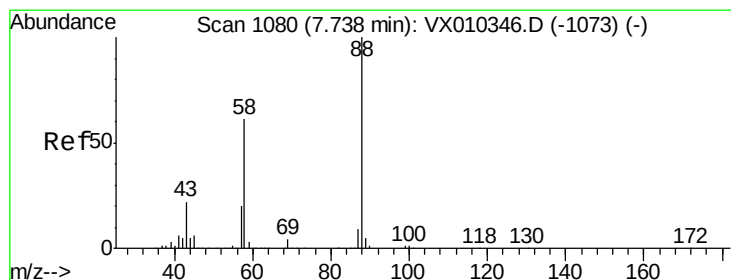
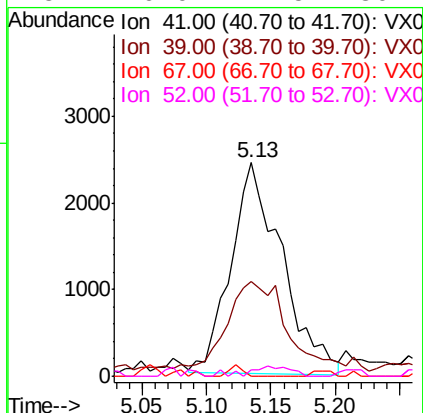
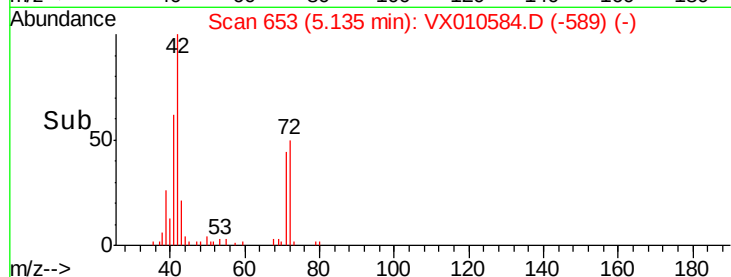
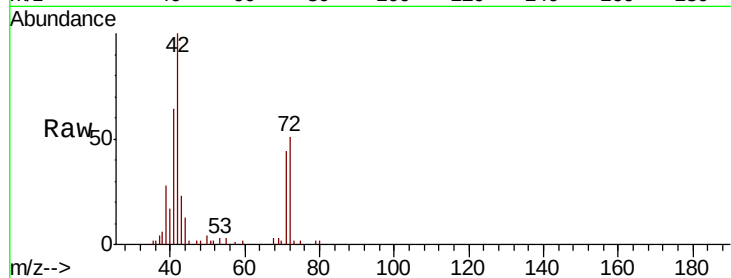




#41
Methacrylonitrile
Concen: 3.888 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.09 min
Lab File: VX010584.D
Acq: 01 Jul 2019 12:37

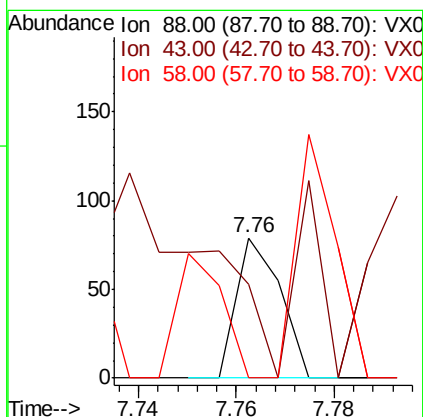
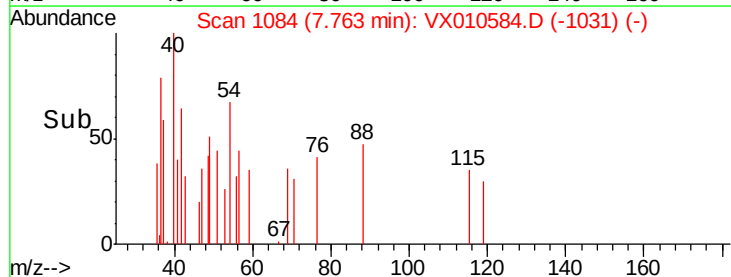
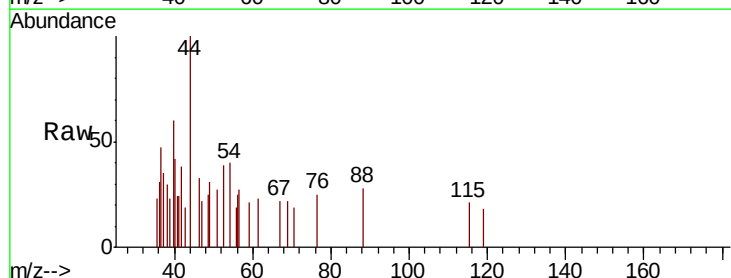
Instrument :
MSVOA_X
ClientSampled :
SY-2D

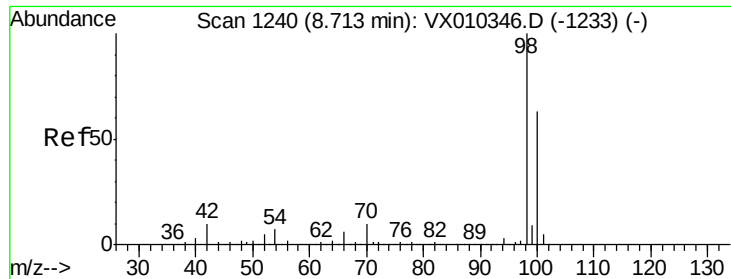
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.8	65.8
67	1.4	66.6	100.0#
52	0.0	24.5	36.7#



#49
1,4-Dioxane
Concen: 0.699 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010584.D
Acq: 01 Jul 2019 12:37

Tgt Ion	Ratio	Lower	Upper
88	100		
43	83.7	20.2	30.2#
58	157.1	49.5	74.3#





#50

Toluene-d8

Concen: 49.934 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

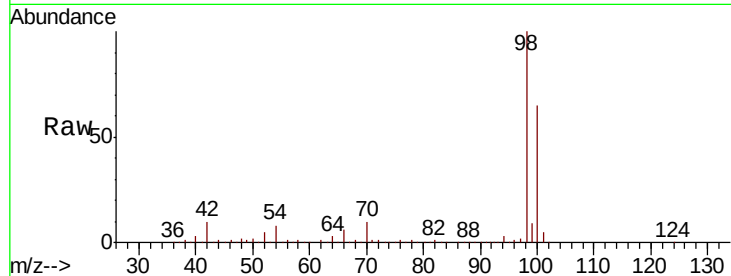
SY-2D

Tot Ion: 98 Resp: 452503

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

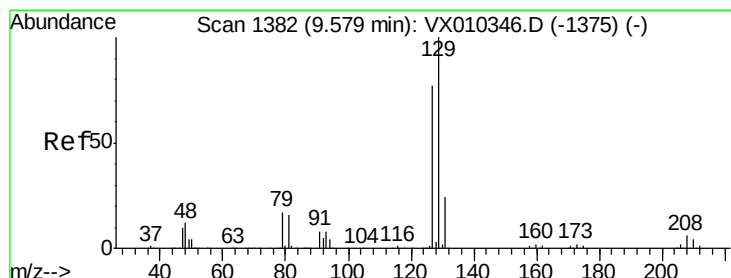
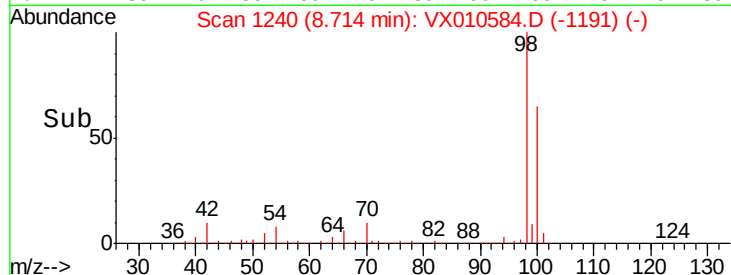
300000

200000

100000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#60

Dibromochloromethane

Concen: 0.200 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010584.D

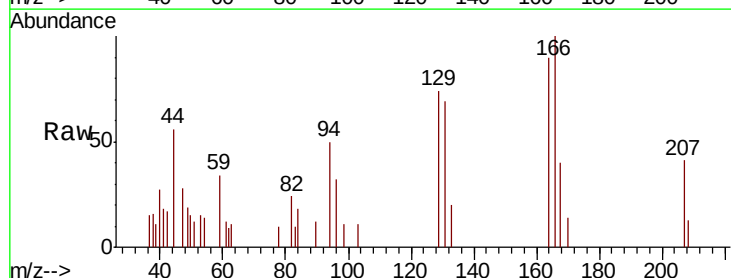
Acq: 01 Jul 2019 12:37

Tgt Ion: 129 Resp: 584

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

400

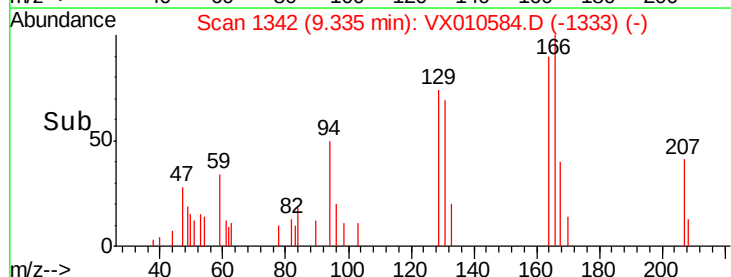
300

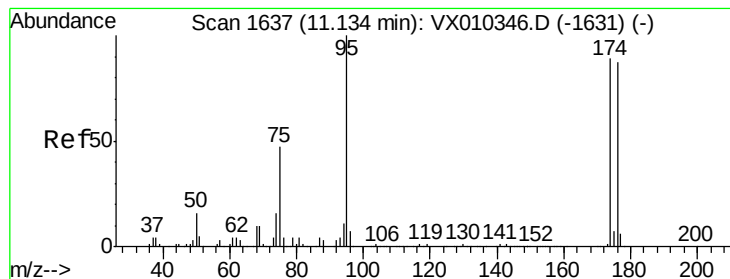
200

100

0

Time--> 9.30 9.35





#62

4-Bromofluorobenzene

Concen: 44.969 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

SY-2D

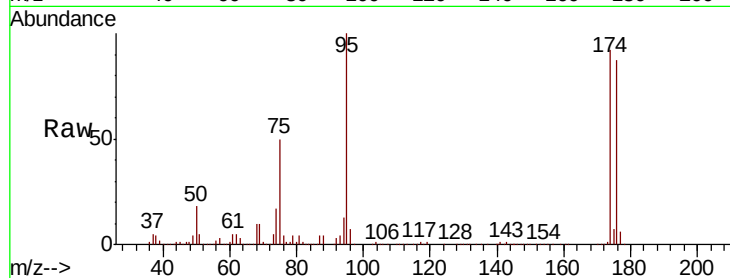
Tot Ion: 95 Resp: 147122

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.6

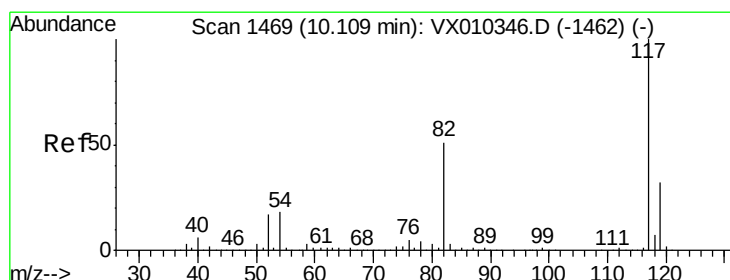
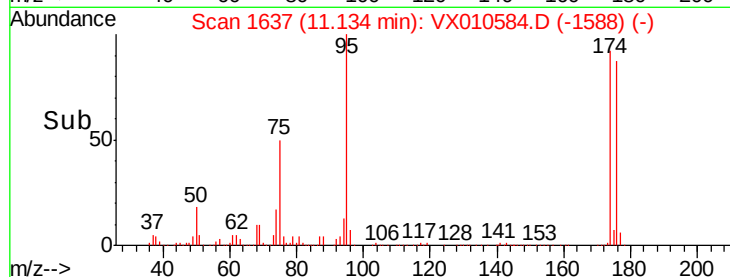
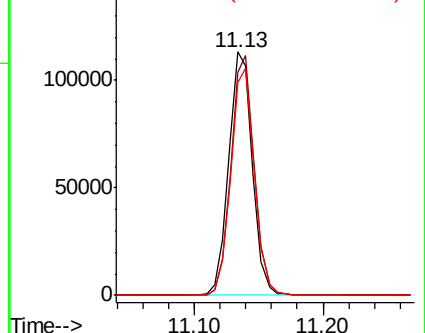
176 92.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

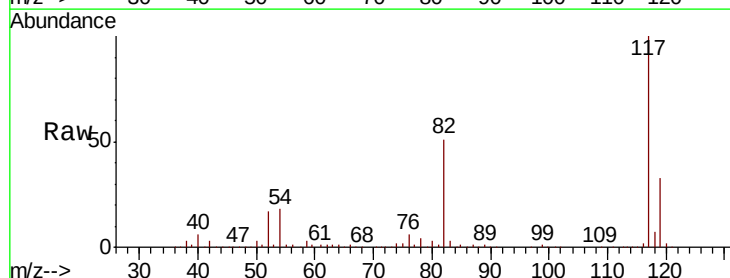
Tgt Ion: 117 Resp: 343855

Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

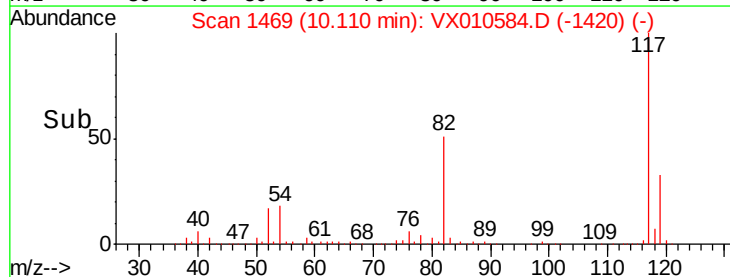
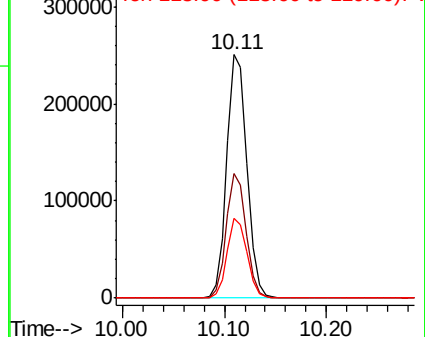
119 32.8 25.5 38.3

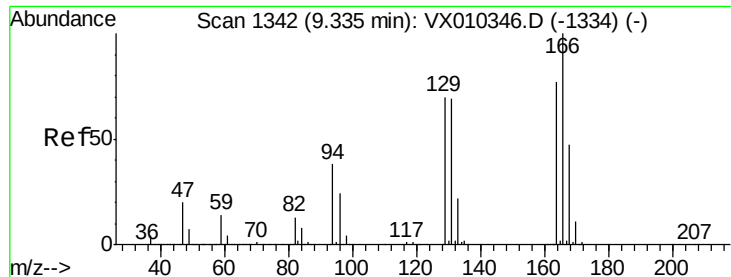


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.234 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

SY-2D

Tot Ion:164 Resp: 652

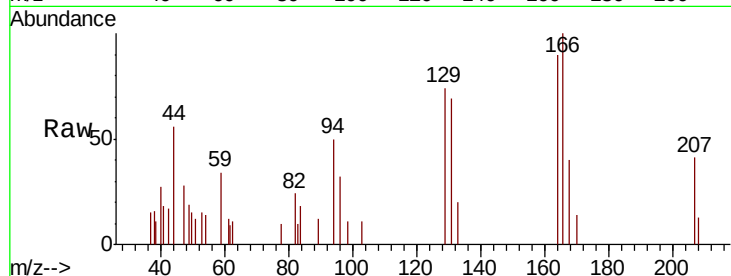
Ion Ratio Lower Upper

164 100

166 111.4 103.6 155.4

129 82.8 73.0 109.4

131 77.1 71.0 106.4

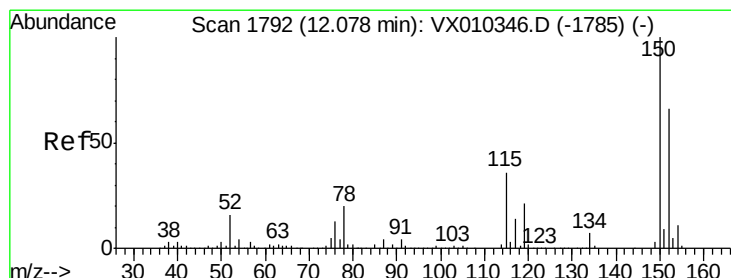
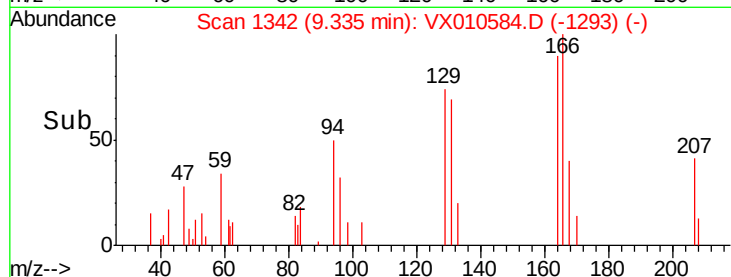
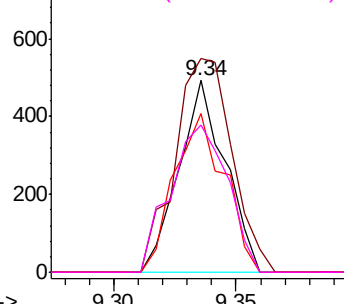


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX010584.D

Acq: 01 Jul 2019 12:37

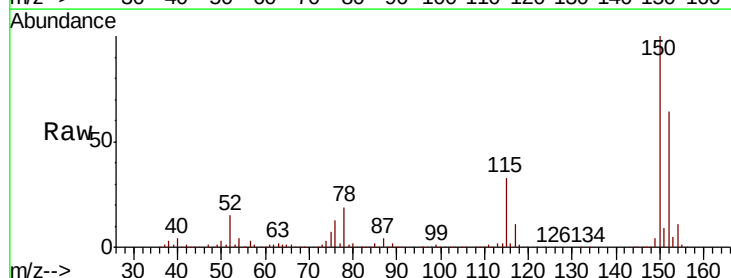
Tgt Ion:152 Resp: 152281

Ion Ratio Lower Upper

152 100

115 53.7 38.6 115.7

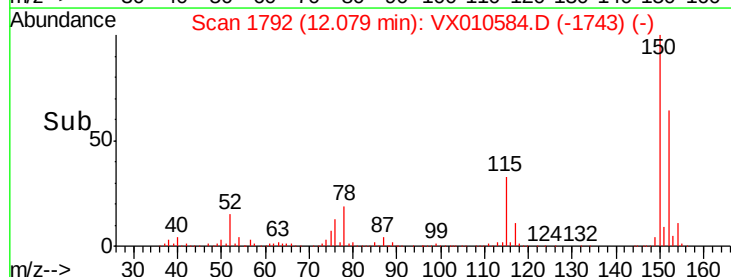
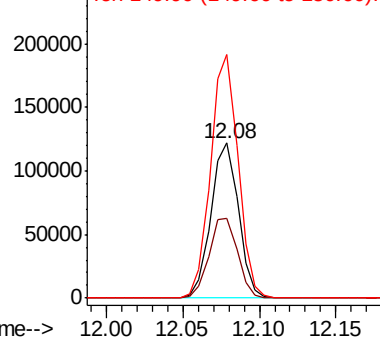
150 156.8 0.0 347.4

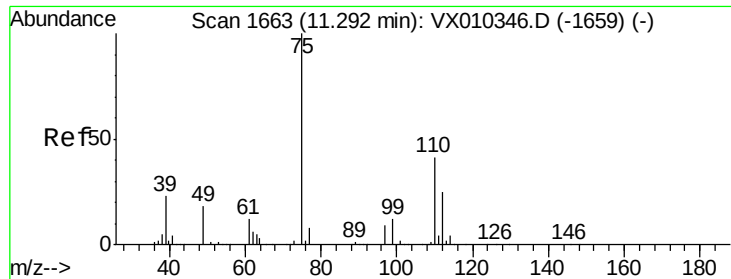


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

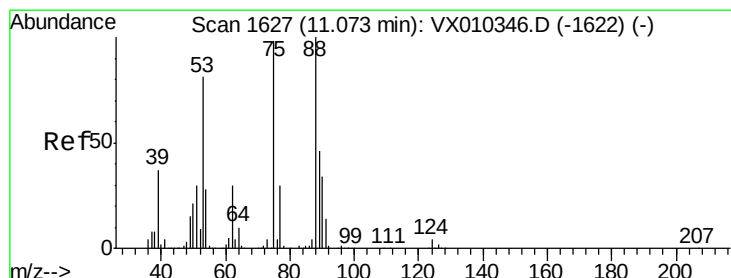
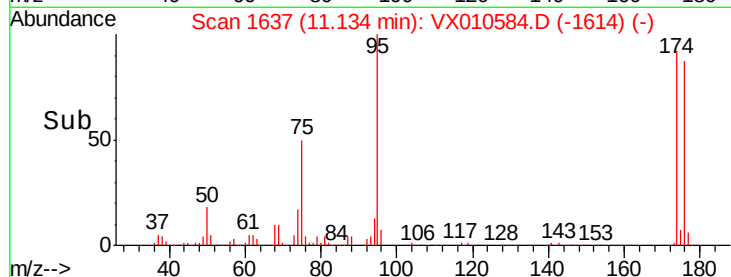
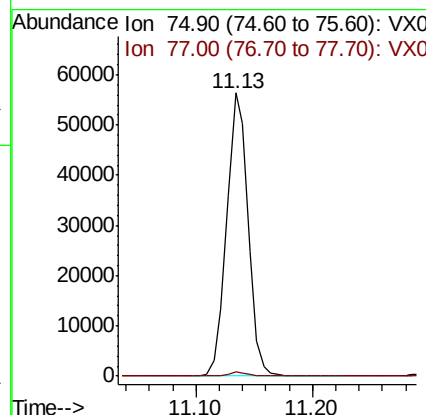
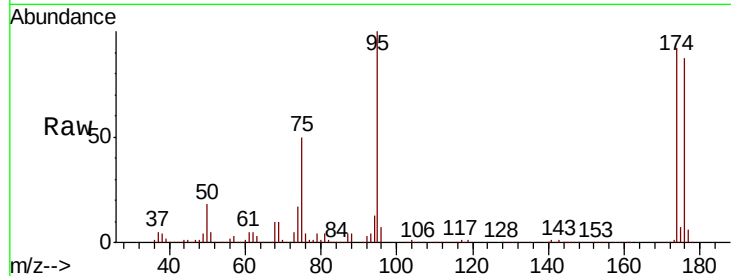




#76
 1,2,3-Trichloropropane
 Concen: 25.613 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010584.D
 Acq: 01 Jul 2019 12:37

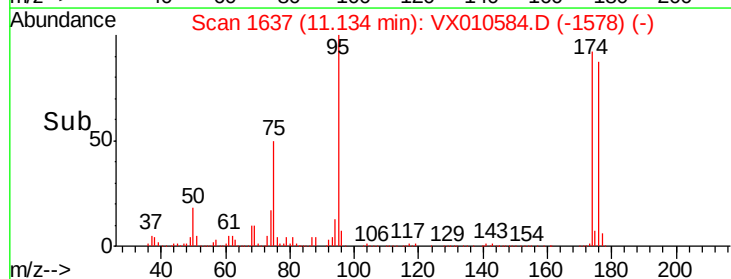
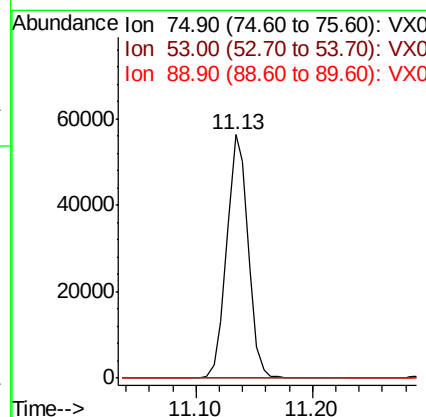
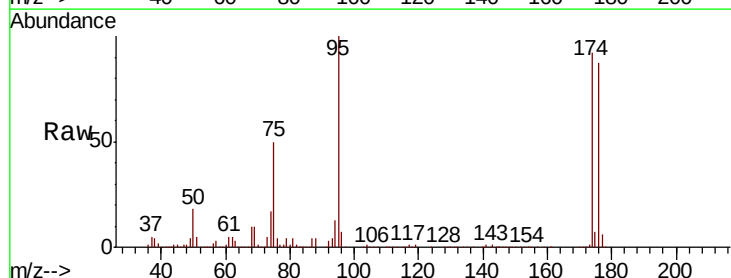
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2D

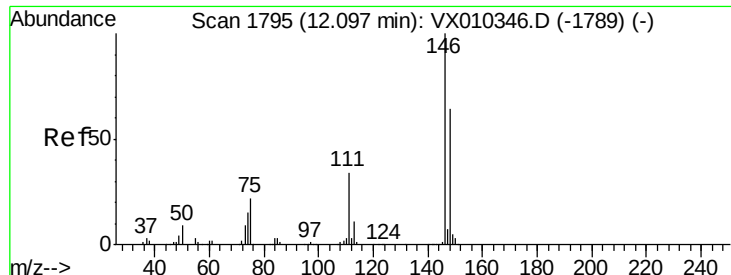
Tot Ion: 75 Resp: 71076
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.753 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010584.D
 Acq: 01 Jul 2019 12:37

Tgt Ion: 75 Resp: 71076
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.1 37.8 56.6#





#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010584.D

Acq: 01 Jul 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

SY-2D

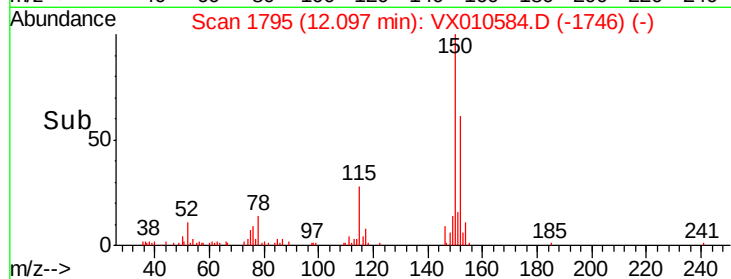
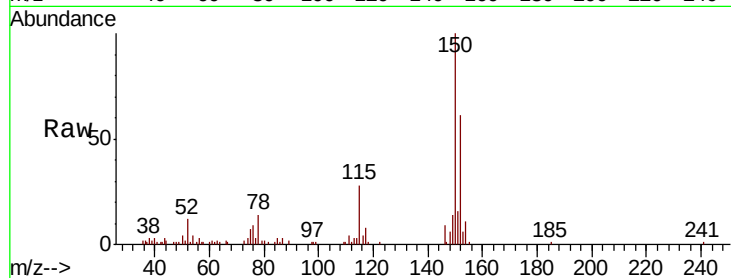
Tot Ion:146 Resp: 1200

Ion Ratio Lower Upper

146 100

111 186.6 18.1 54.3#

148 120.0 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

