

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016561.D
 Acq On : 03 Jun 2020 12:33
 Operator : JC/SP
 Sample : L2866-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200602

Quant Time: Jun 04 08:23:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	284782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	455901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	447565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	162363	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	5.46	113	130535	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	8.70	98	565968	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.12	95	223222	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

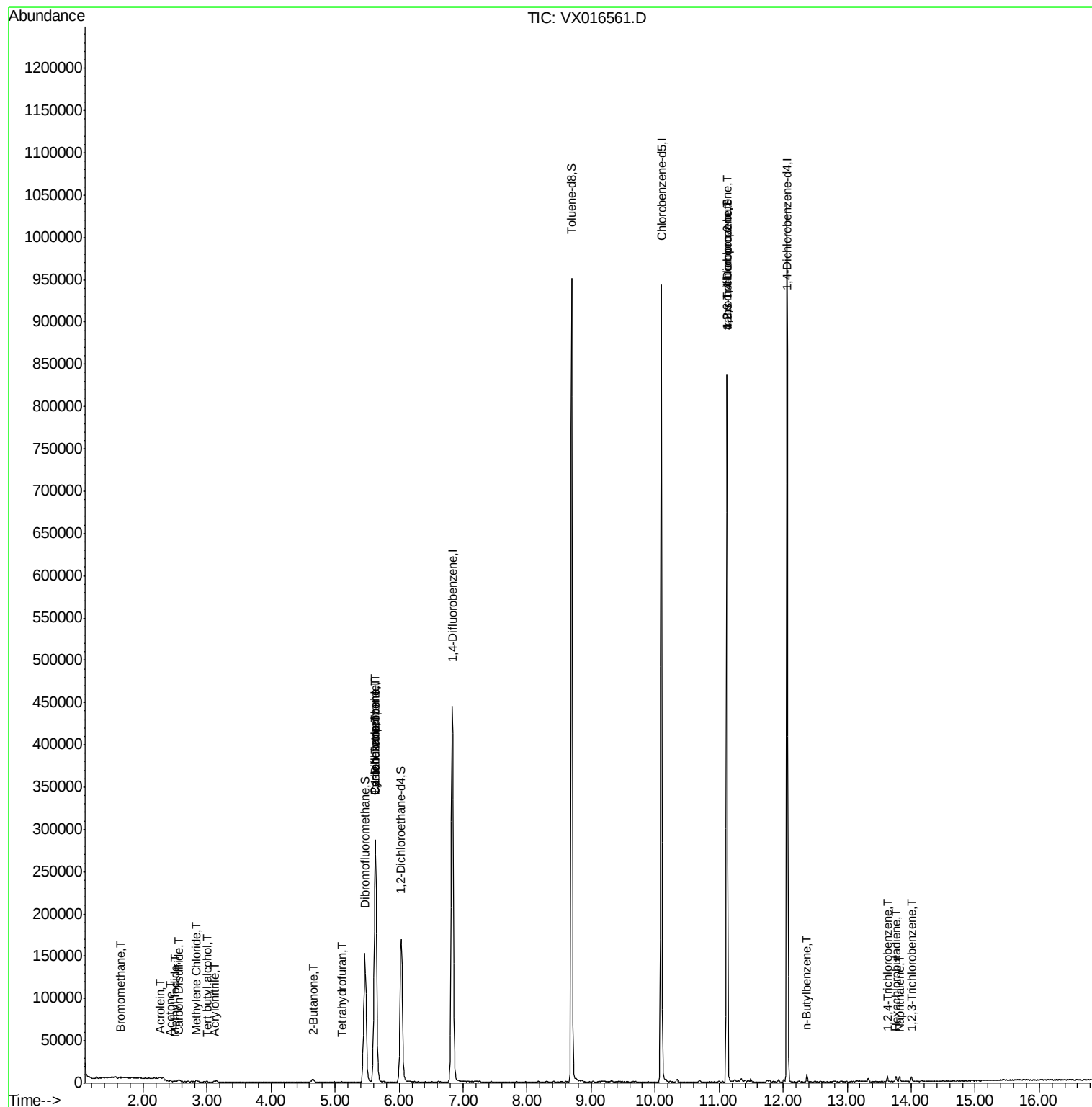
						Qvalue
5) Bromomethane	1.65	94	656	0.377	ug/l	85
10) Methyl Iodide	2.50	142	578	3.231	ug/l #	86
11) Tert butyl alcohol	3.01	59	202	0.223	ug/l #	68
13) Acrolein	2.27	56	829	2.149	ug/l #	60
15) Acrylonitrile	3.12	53	814	0.438	ug/l #	89
16) Acetone	2.42	43	1257	0.811	ug/l	91
17) Carbon Disulfide	2.55	76	2301	0.283	ug/l #	75
20) Methylene Chloride	2.84	84	1052	0.328	ug/l #	88
25) 2-Butanone	4.65	43	601	0.229	ug/l #	49
29) Tetrahydrofuran	5.12	42	371	0.219	ug/l #	79
31) Cyclohexane	5.64	56	5122	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	20014	4.637	ug/l #	51
38) Carbon Tetrachloride	5.62	117	27239	6.005	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	108786	22.993	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	108786	56.560	ug/l #	14
89) n-Butylbenzene	12.37	91	2703	0.260	ug/l	95
93) 1,2,4-Trichlorobenzene	13.63	180	1634	0.375	ug/l	94
94) Hexachlorobutadiene	13.77	225	1054	0.616	ug/l	93
95) Naphthalene	13.82	128	3958	0.265	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.01	180	1601	0.375	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060320\
Data File : VX016561.D
Acq On : 03 Jun 2020 12:33
Operator : JC/SP
Sample : L2866-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-01-200602

Quant Time: Jun 04 08:23:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

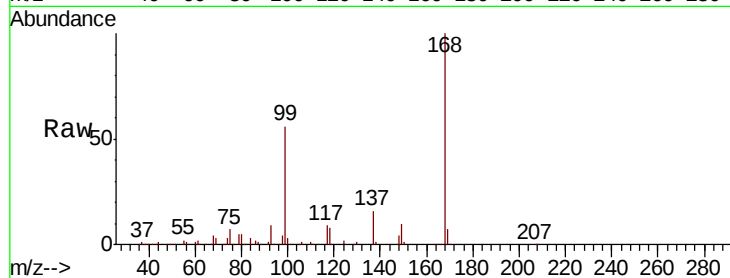
TB-01-200602

Tot Ion:168 Resp: 284782

Ion Ratio Lower Upper

168 100

99 55.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

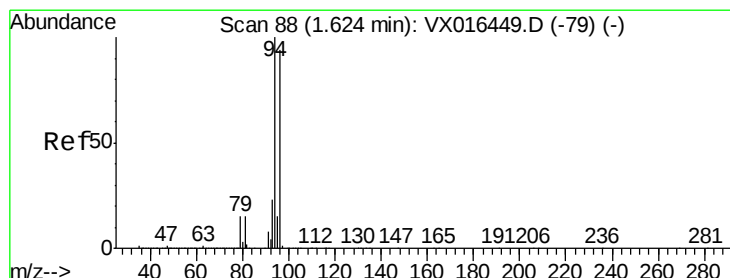
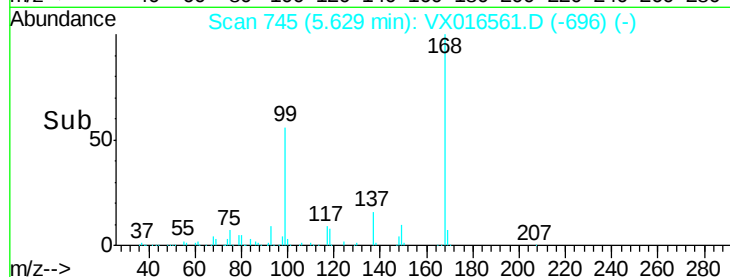
5.50

5.63

5.70

5.80

Time-->



#5

Bromomethane

Concen: 0.377 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016561.D

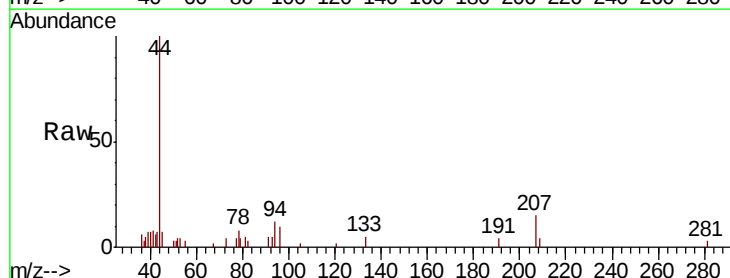
Acq: 03 Jun 2020 12:33

Tgt Ion: 94 Resp: 656

Ion Ratio Lower Upper

94 100

96 79.2 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

100

50

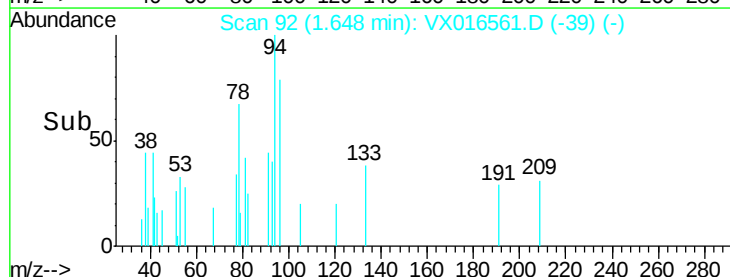
0

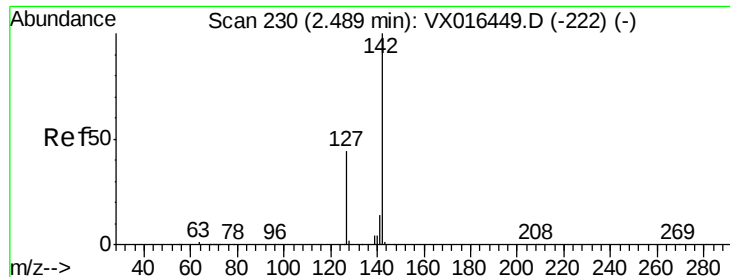
1.60

1.65

1.70

Time-->

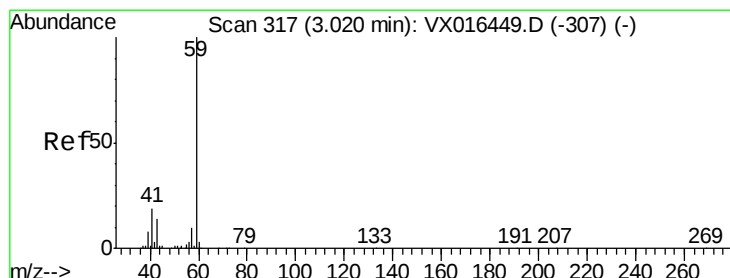
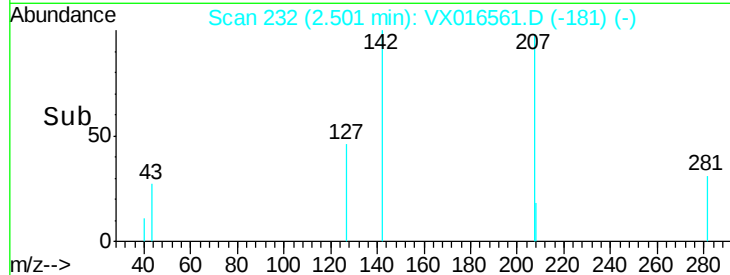
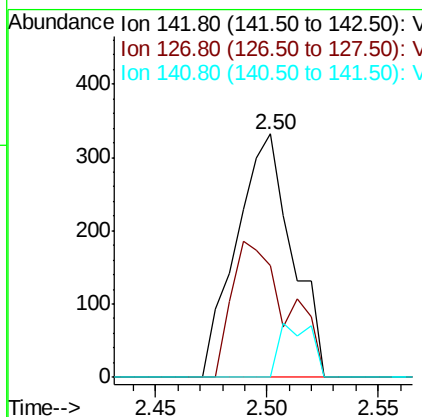
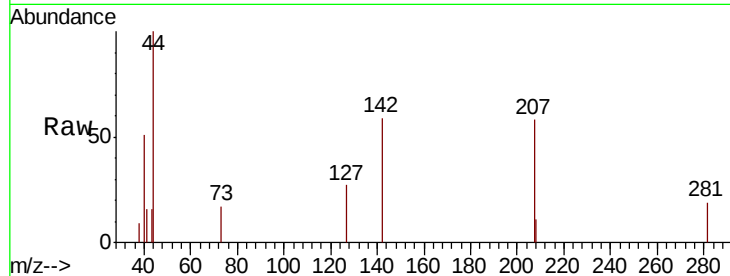




#10
Methyl Iodide
Concen: 3.231 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

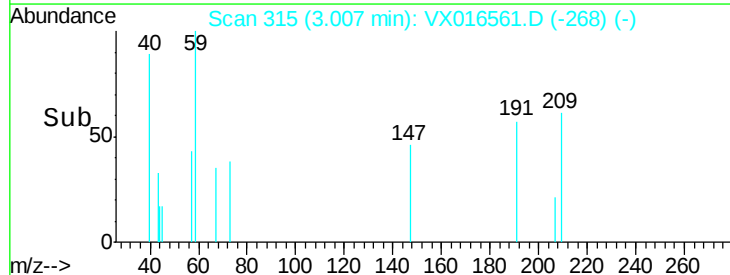
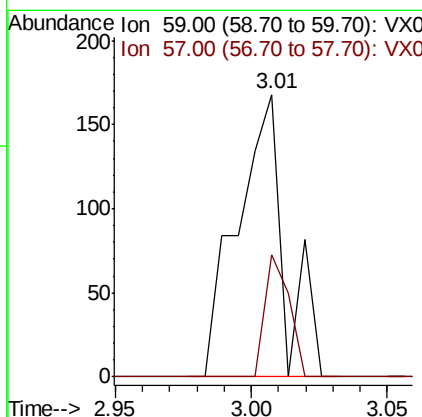
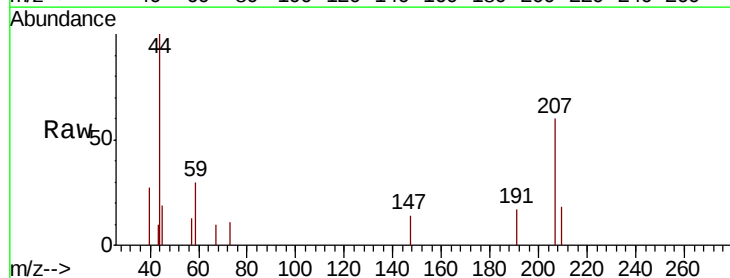
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200602

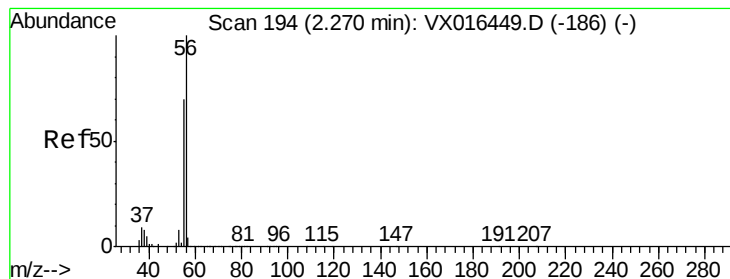
Tot Ion:142 Resp: 578
Ion Ratio Lower Upper
142 100
127 55.4 35.3 52.9#
141 12.8 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.223 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 22.3 8.2 12.4#





#13

Acrolein

Concen: 2.149 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

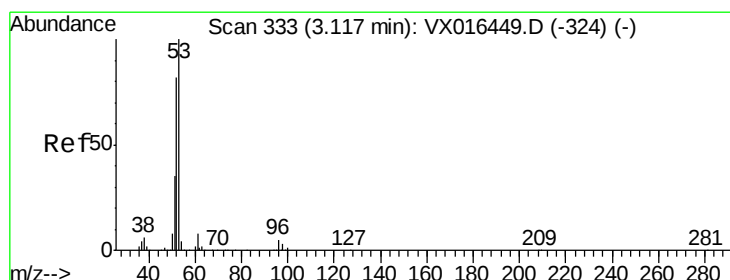
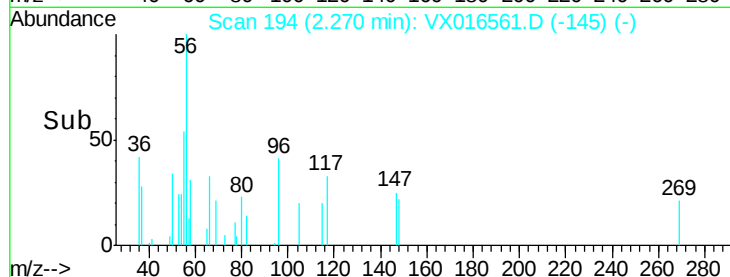
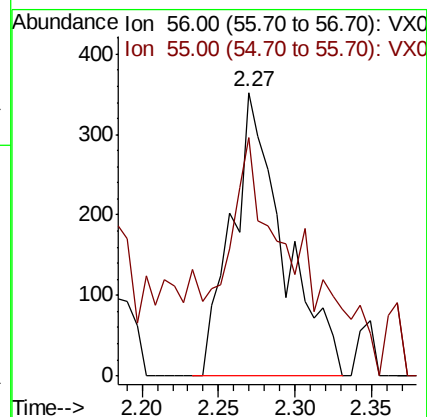
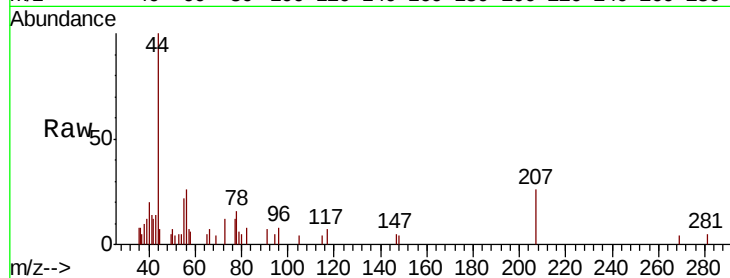
TB-01-200602

Tot Ion: 56 Resp: 829

Ion Ratio Lower Upper

56 100

55 106.5 58.3 87.5#



#15

Acrylonitrile

Concen: 0.438 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

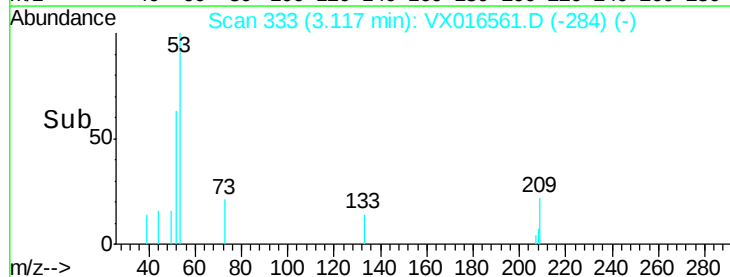
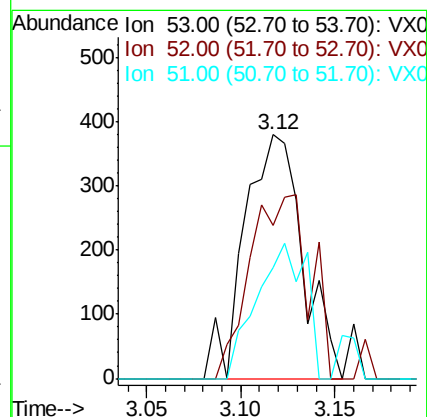
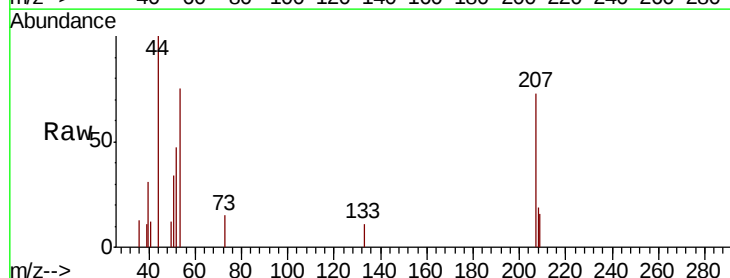
Tgt Ion: 53 Resp: 814

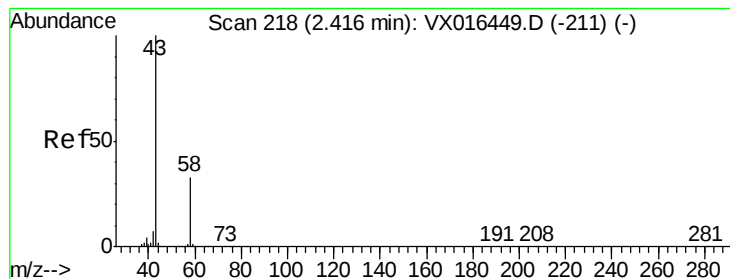
Ion Ratio Lower Upper

53 100

52 76.5 66.7 100.1

51 46.9 28.6 43.0#





#16

Acetone

Concen: 0.811 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

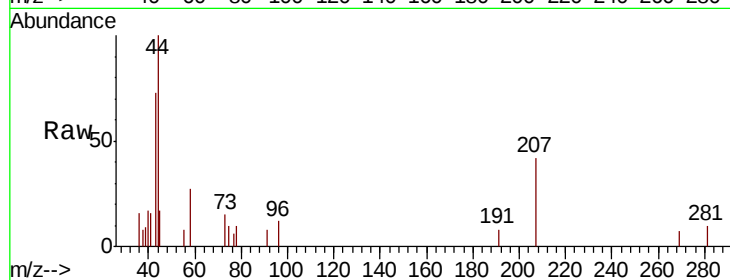
TB-01-200602

Tot Ion: 43 Resp: 1257

Ion Ratio Lower Upper

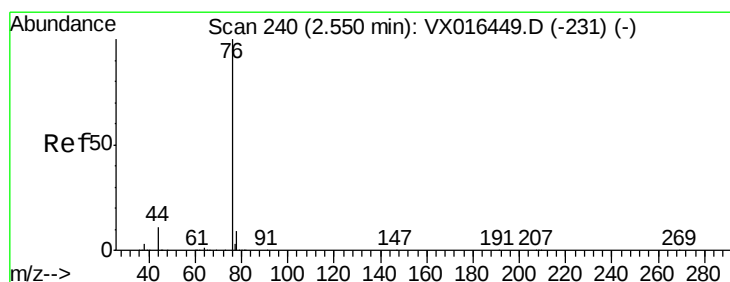
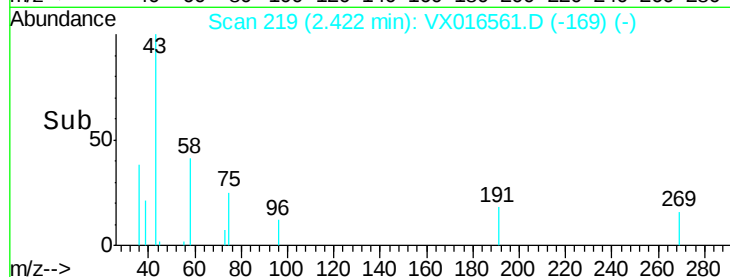
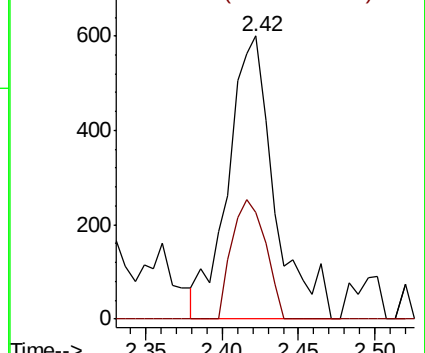
43 100

58 37.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.283 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016561.D

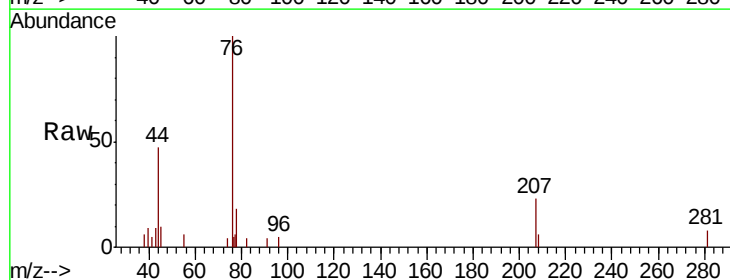
Acq: 03 Jun 2020 12:33

Tgt Ion: 76 Resp: 2301

Ion Ratio Lower Upper

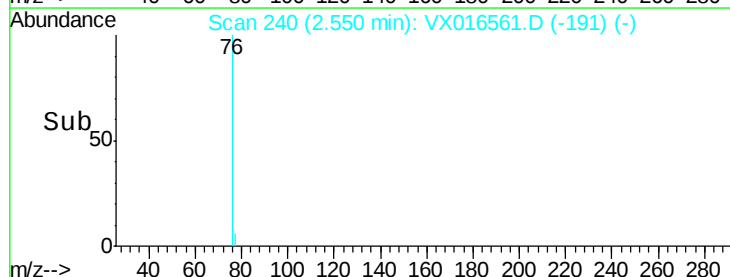
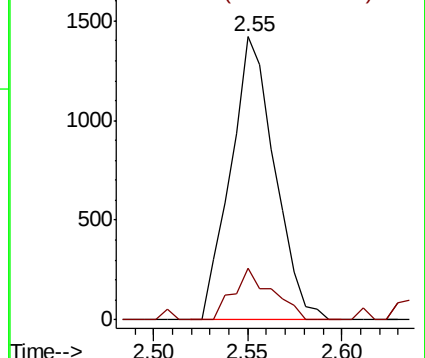
76 100

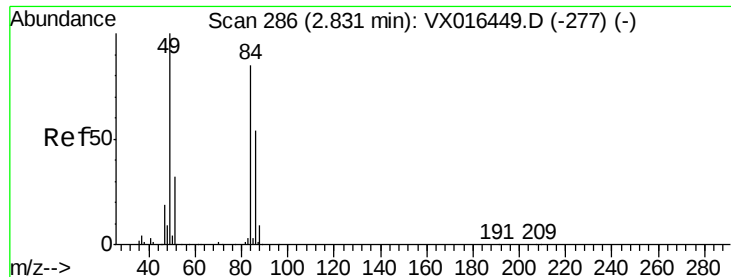
78 18.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

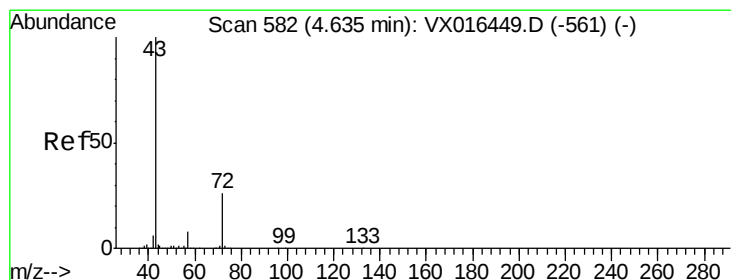
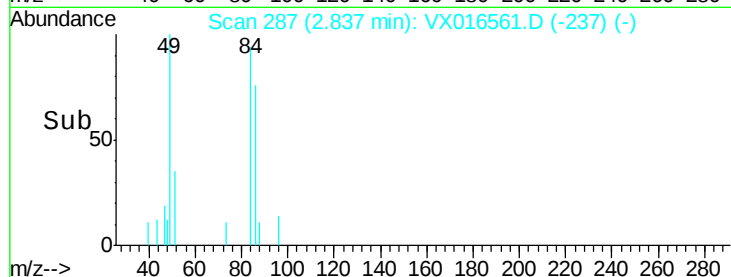
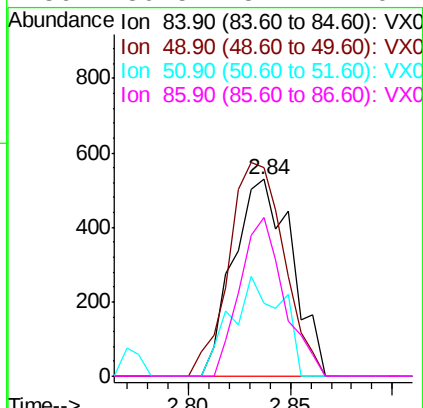
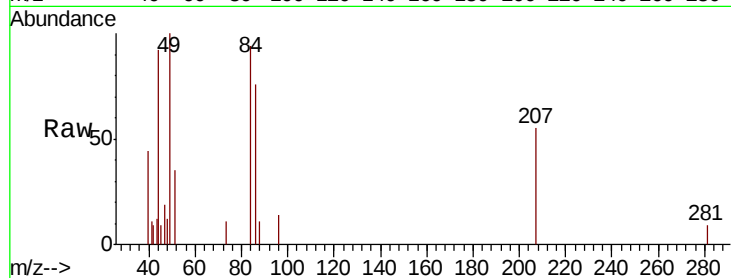




#20
Methvlene Chloride
Concen: 0.328 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

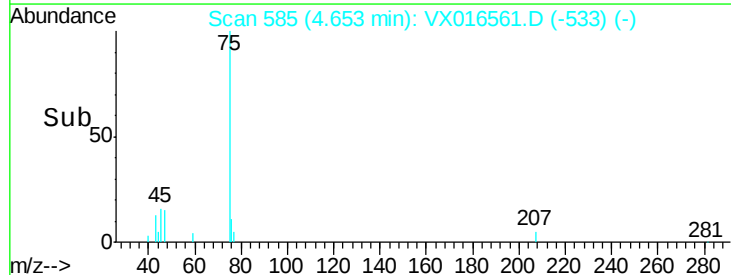
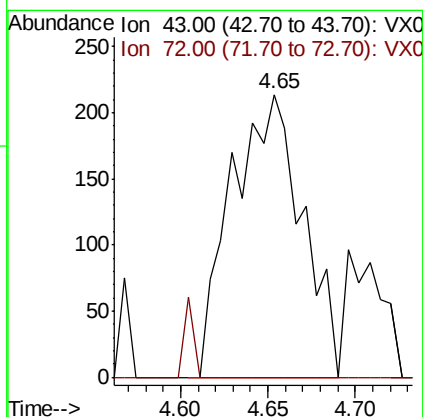
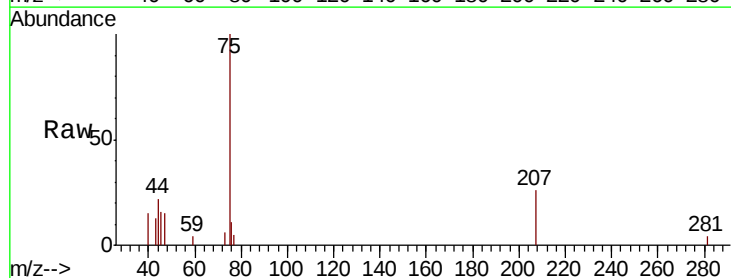
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200602

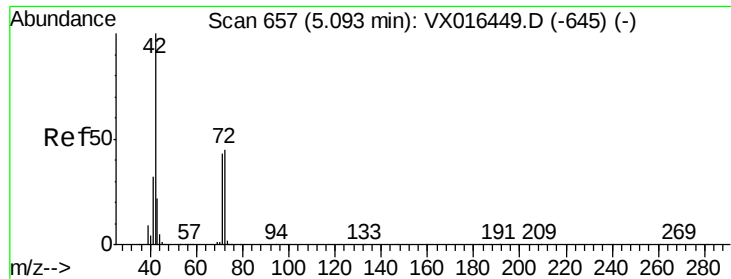
Tot Ion: 84 Resp: 1052
Ion Ratio Lower Upper
84 100
49 106.4 94.5 141.7
51 37.3 30.2 45.4
86 80.5 51.1 76.7#



#25
2-Butanone
Concen: 0.229 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

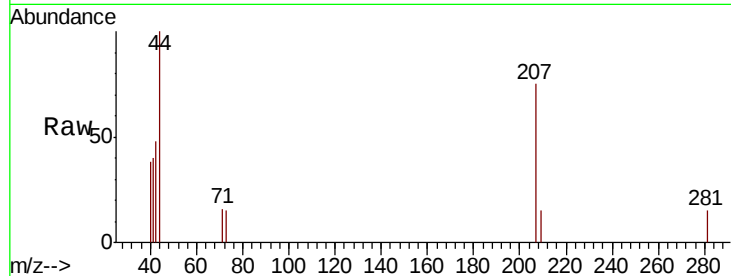




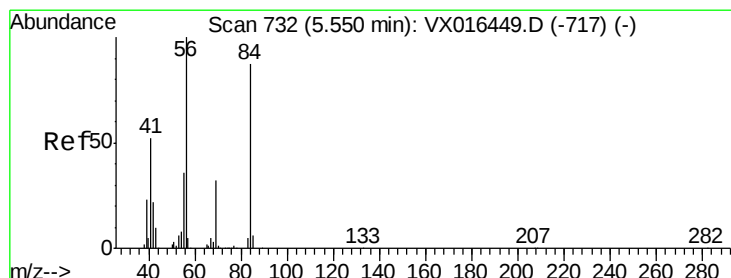
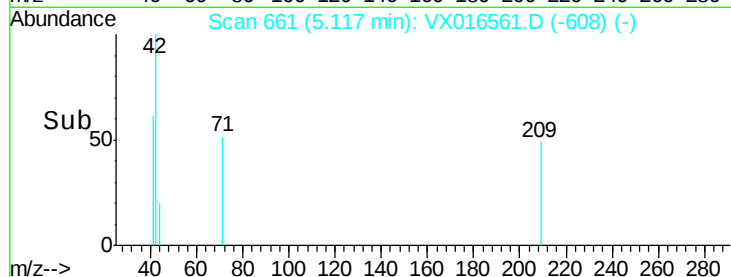
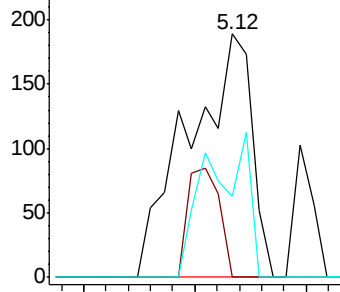
#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Instrument :
MSVOA_X
ClientSampleID :
TB-01-200602

Tot Ion: 42 Resp: 371
Ion Ratio Lower Upper
42 100
72 22.9 37.0 55.4#
71 39.4 34.1 51.1

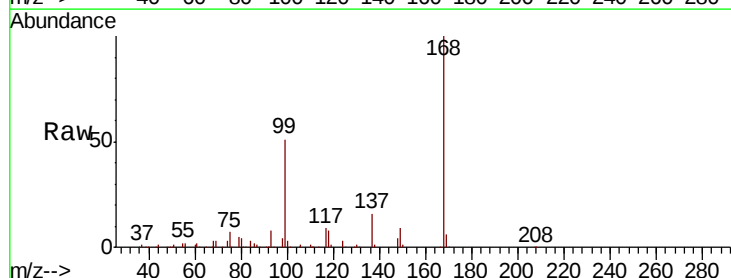


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

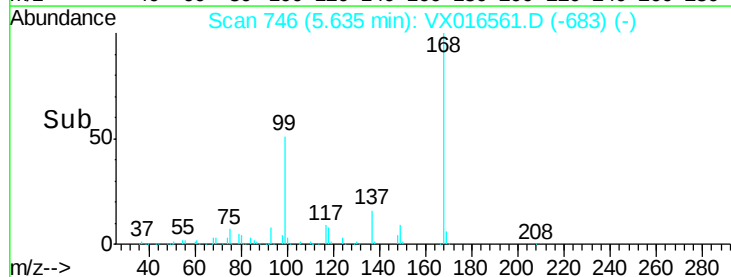
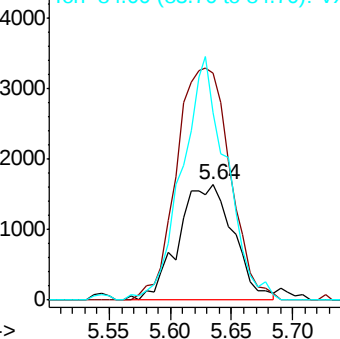


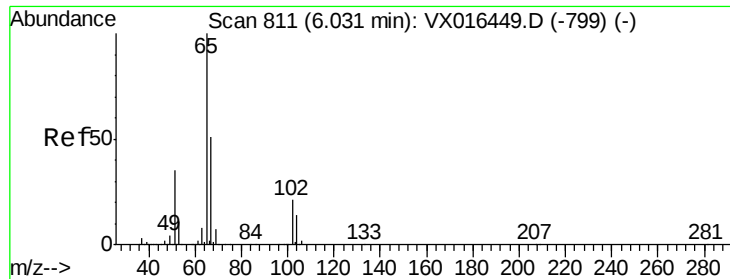
#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Tgt Ion: 56 Resp: 5122
Ion Ratio Lower Upper
56 100
69 196.4 25.7 38.5#
84 162.3 70.0 105.0#



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

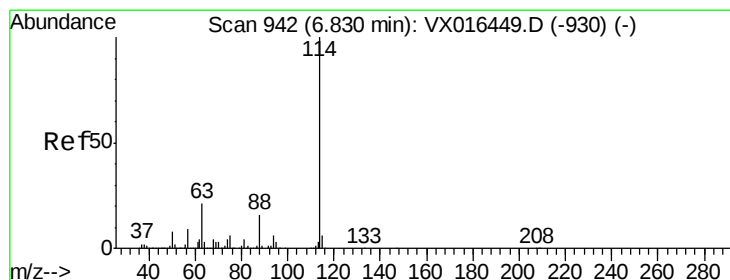
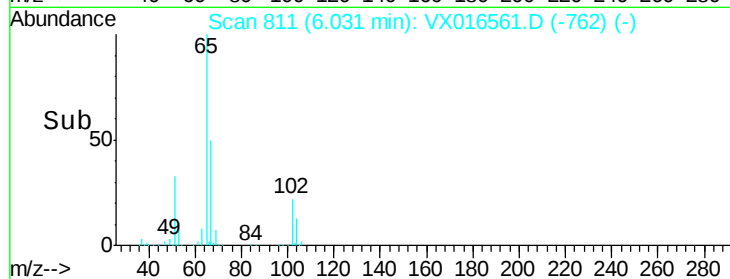
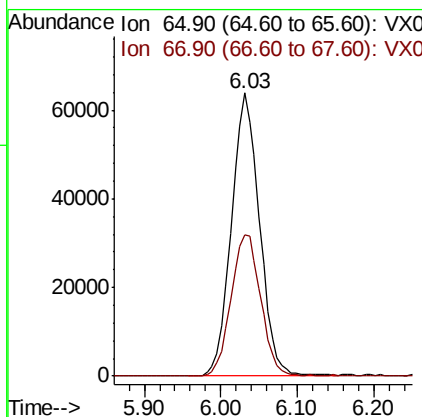
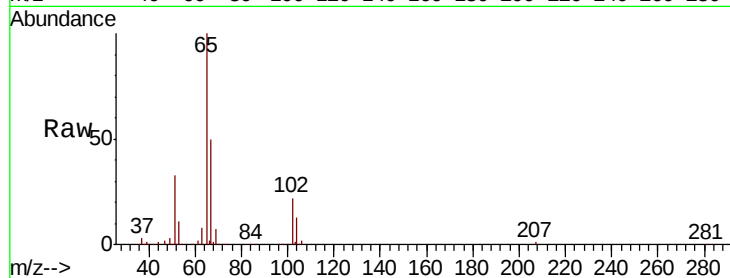




#33
 1,2-Dichloroethane-d4
 Concen: 45.909 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016561.D
 Acq: 03 Jun 2020 12:33

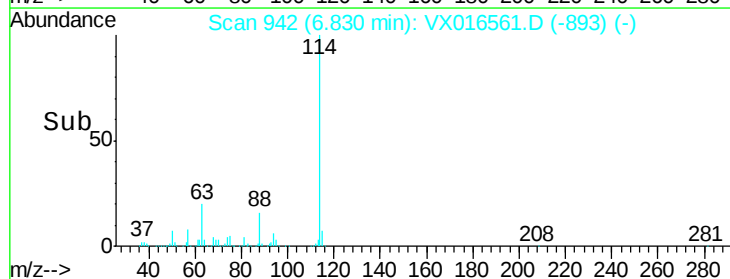
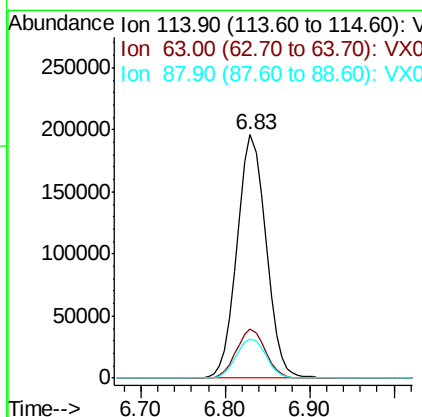
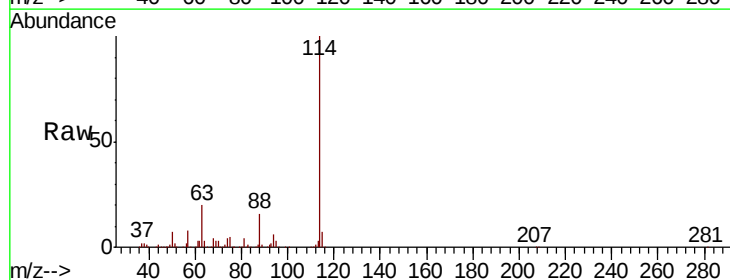
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200602

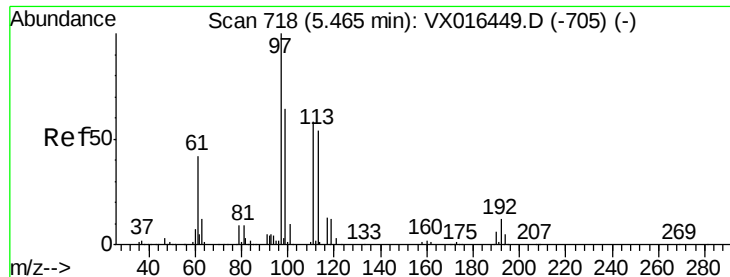
Tot Ion: 65 Resp: 162363
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016561.D
 Acq: 03 Jun 2020 12:33

Tgt Ion: 114 Resp: 455901
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 16.1 0.0 32.8

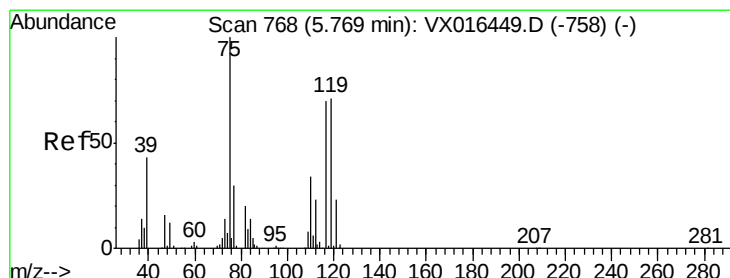
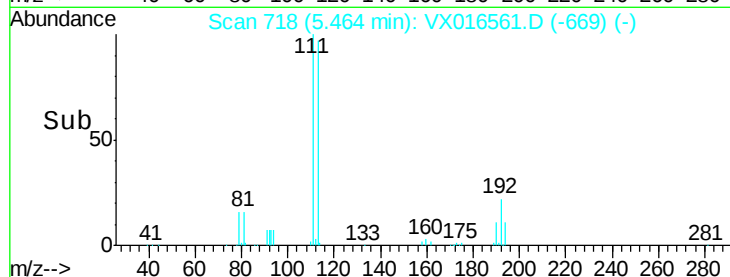
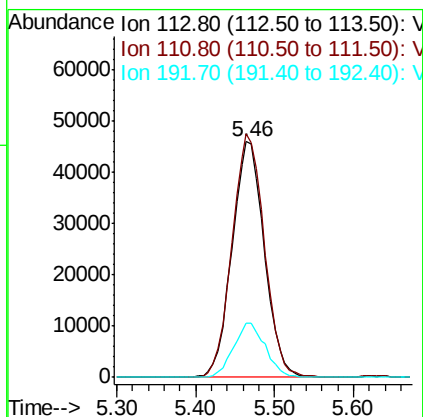
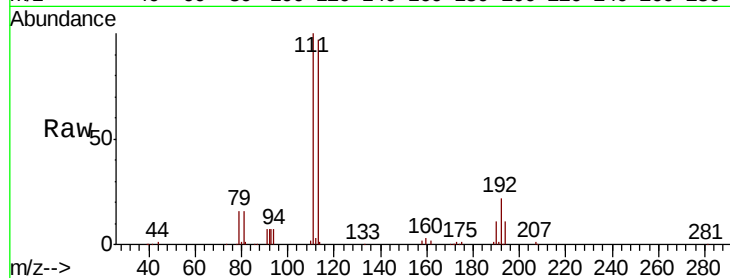




#35
 Dibromofluoromethane
 Concen: 46.500 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016561.D
 Acq: 03 Jun 2020 12:33

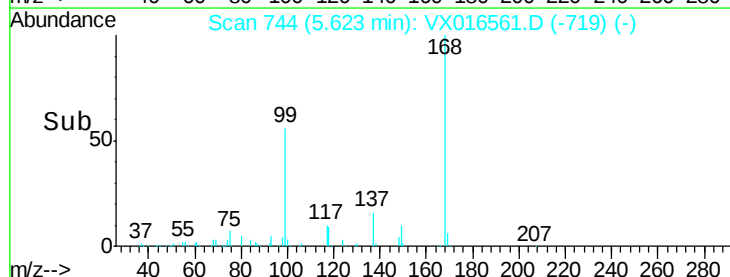
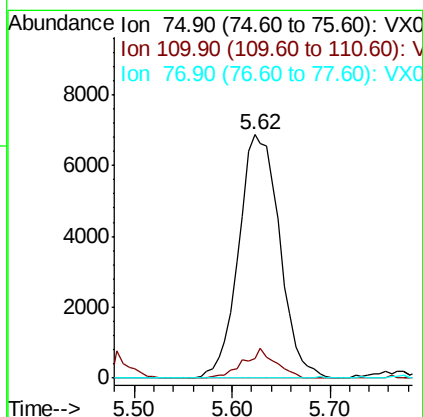
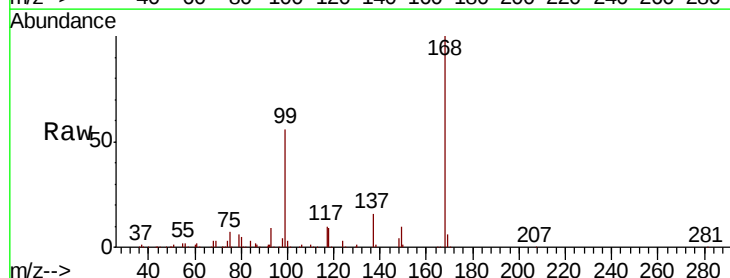
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200602

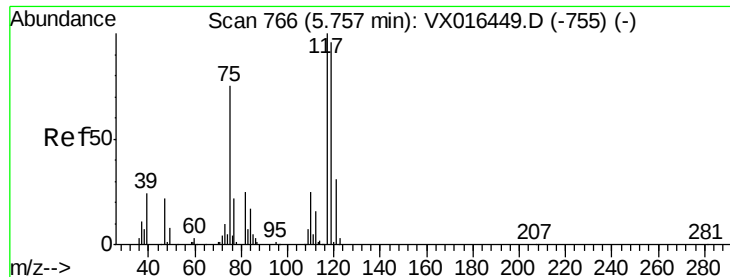
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.0	124.6
192	22.6	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016561.D
 Acq: 03 Jun 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200602

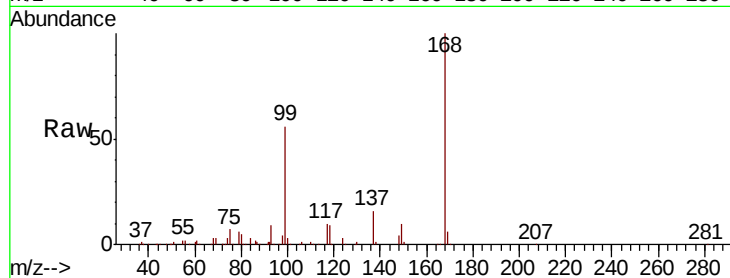
Tot Ion:117 Resp: 27239

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

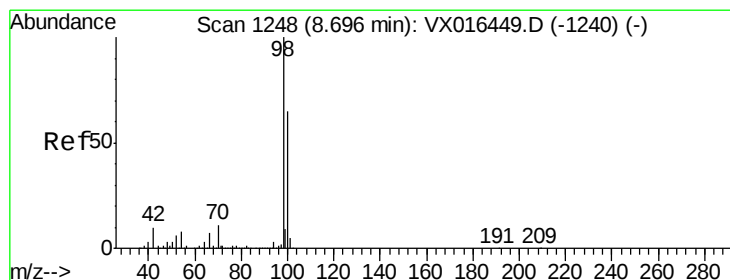
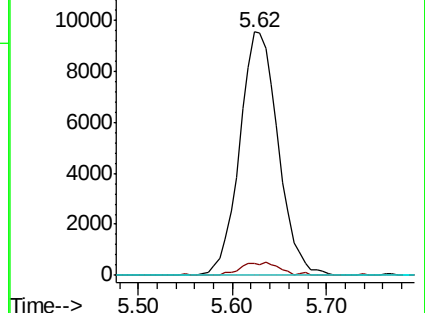
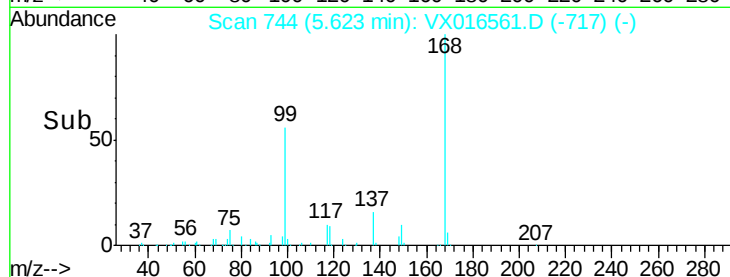
121 0.0 24.6 37.0#



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: 51.799 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016561.D

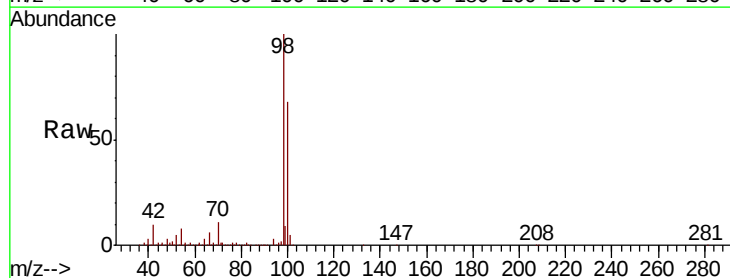
Acq: 03 Jun 2020 12:33

Tgt Ion: 98 Resp: 565968

Ion Ratio Lower Upper

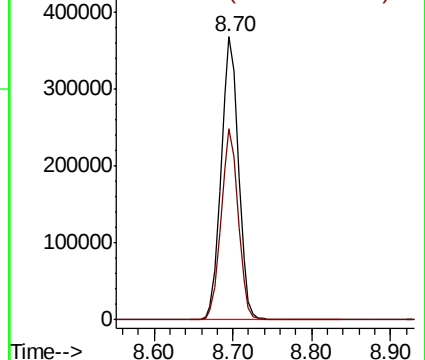
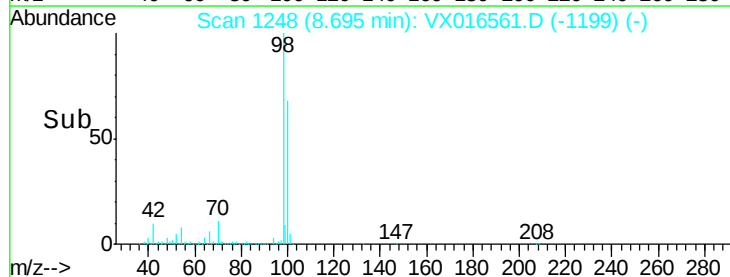
98 100

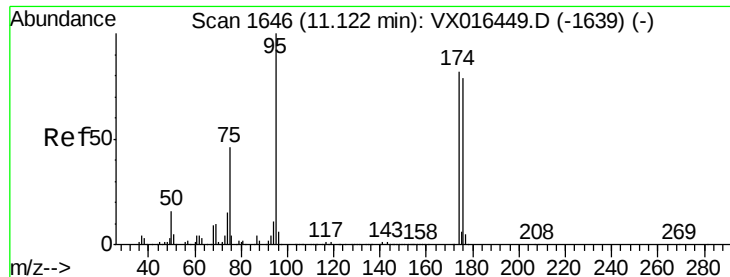
100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.873 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200602

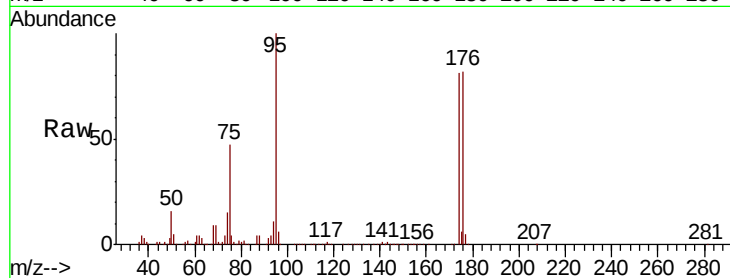
Tot Ion: 95 Resp: 223222

Ion Ratio Lower Upper

95 100

174 80.9 0.0 163.0

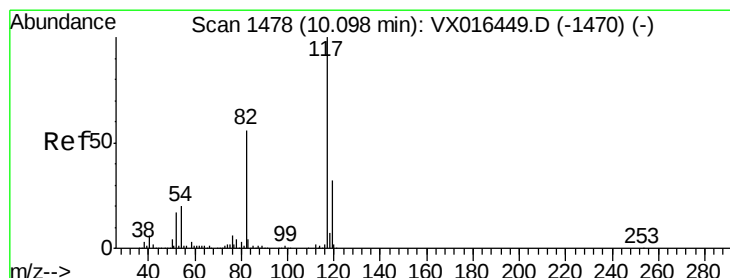
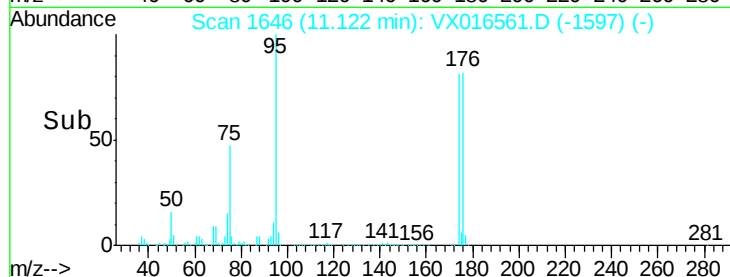
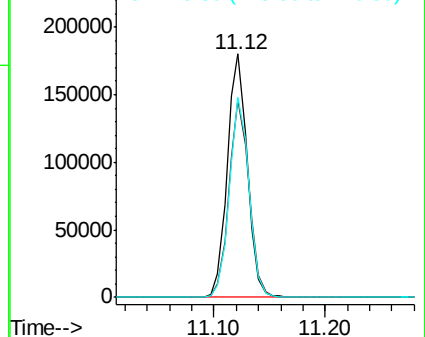
176 80.5 0.0 156.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

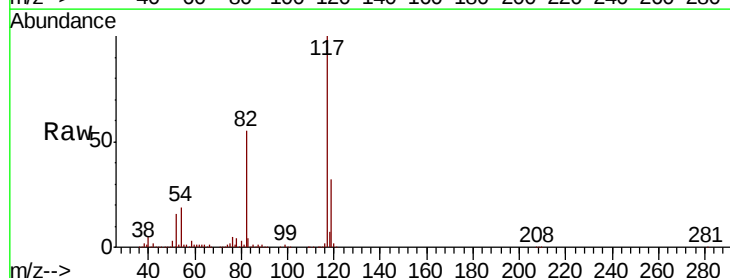
Tgt Ion: 117 Resp: 447565

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.6

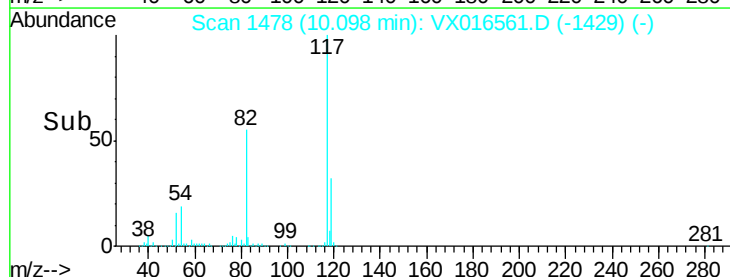
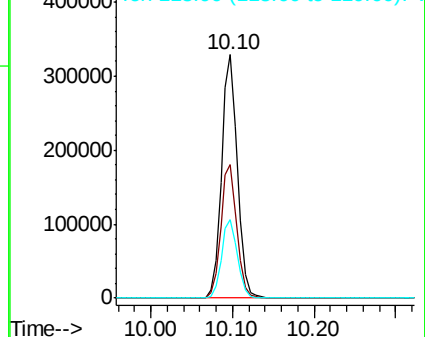
119 32.3 25.8 38.8

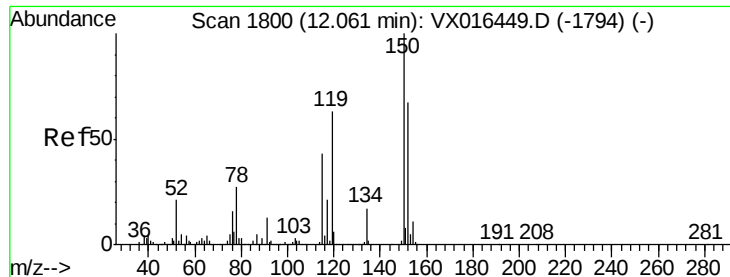


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016561.D

Acq: 03 Jun 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200602

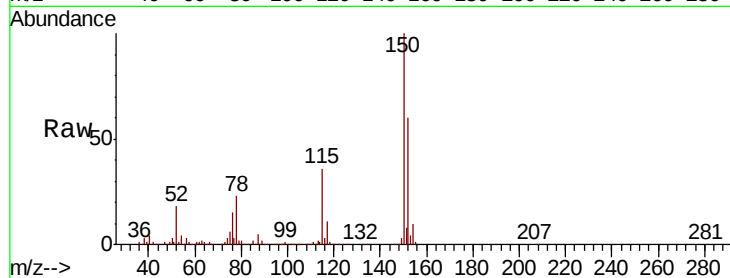
Tot Ion:152 Resp: 215245

Ion Ratio Lower Upper

152 100

115 59.5 39.9 119.6

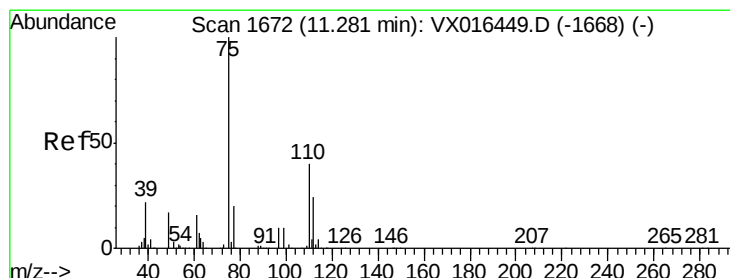
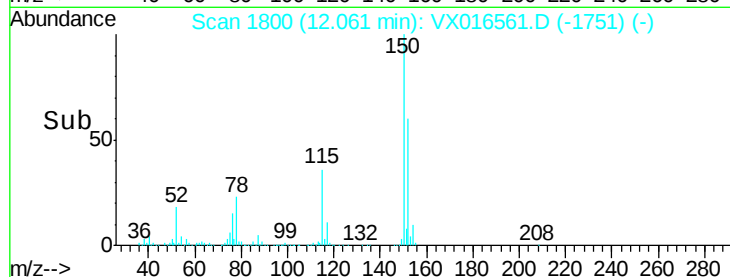
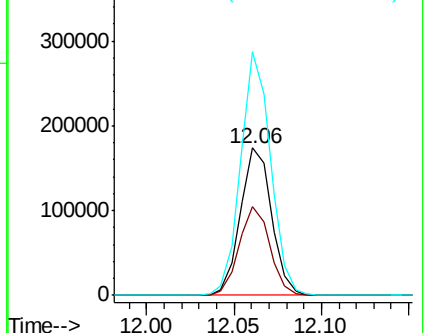
150 159.1 0.0 341.0



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: 22.993 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016561.D

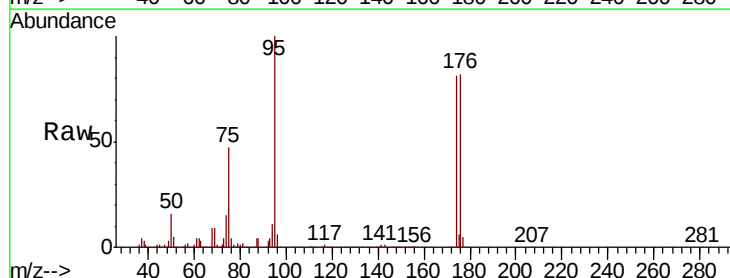
Acq: 03 Jun 2020 12:33

Tgt Ion: 75 Resp: 108786

Ion Ratio Lower Upper

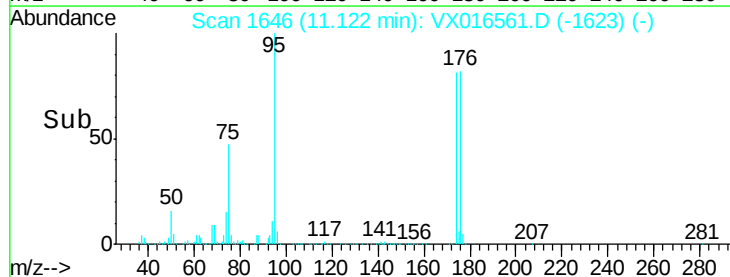
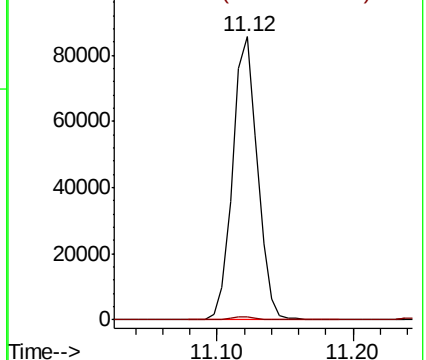
75 100

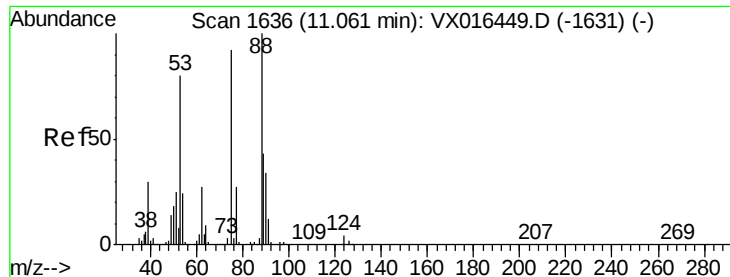
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

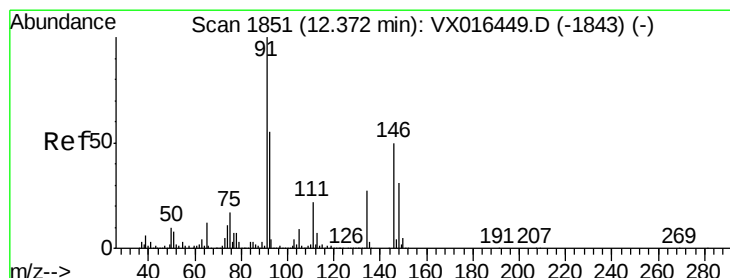
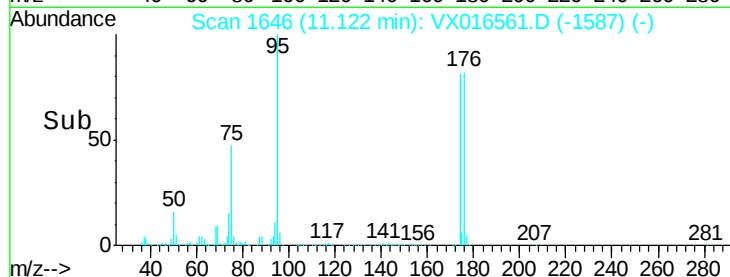
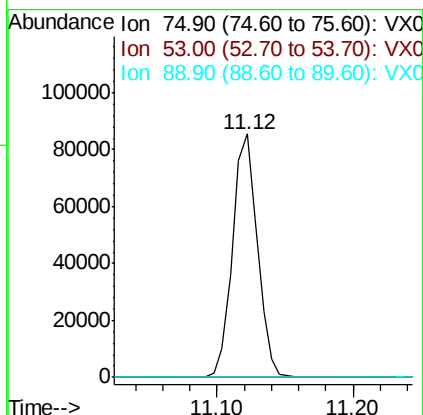
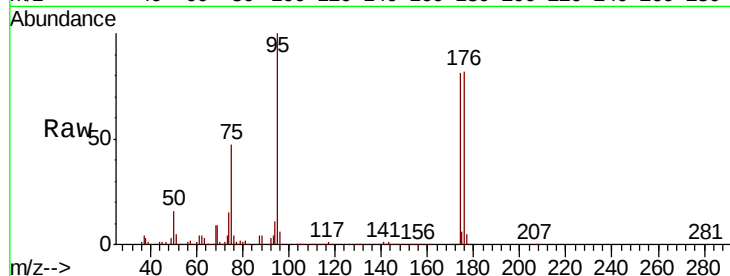




#81
trans-1,4-Dichloro-2-butene
Concen: 56.560 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

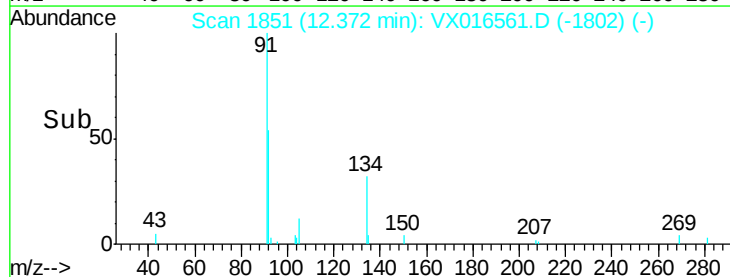
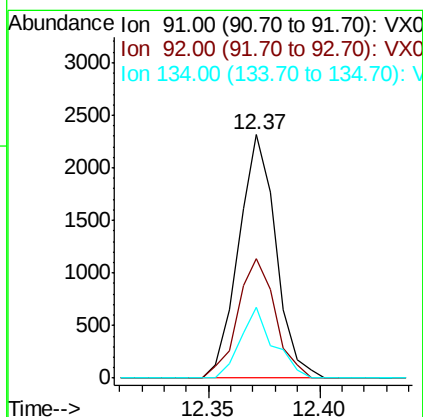
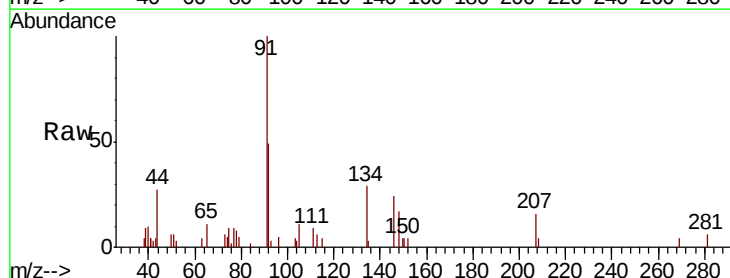
Instrument :
MSVOA_X
ClientSampled :
TB-01-200602

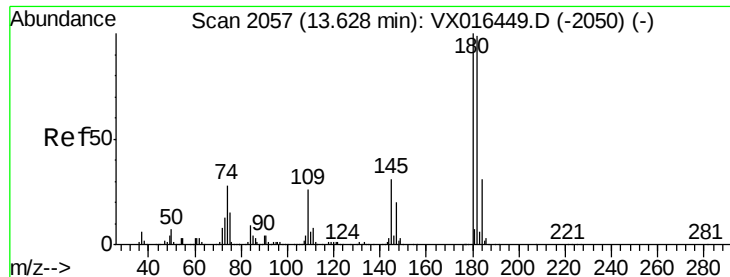
Tot Ion: 75 Resp: 108786
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 36.6 55.0#



#89
n-Butylbenzene
Concen: 0.260 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Tgt Ion: 91 Resp: 2703
Ion Ratio Lower Upper
91 100
92 49.5 27.2 81.5
134 25.6 13.1 39.3

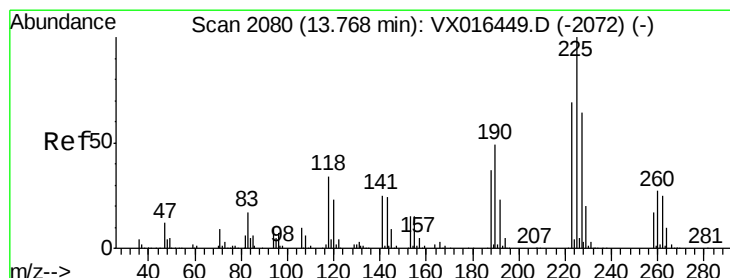
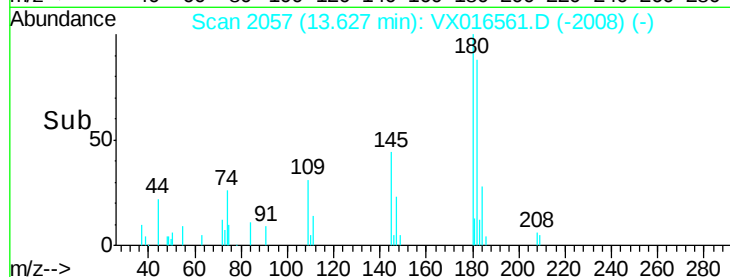
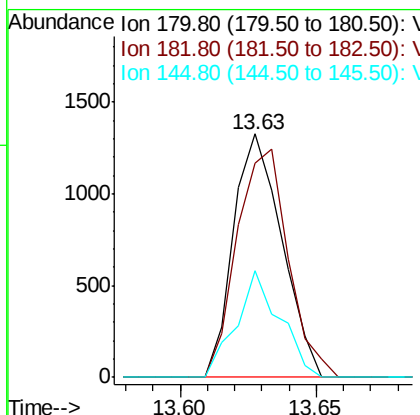
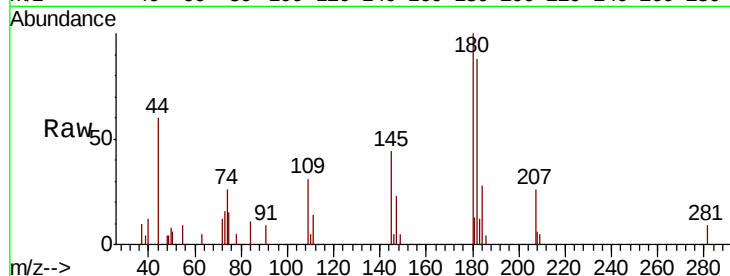




#93
 1,2,4-Trichlorobenzene
 Concen: 0.375 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016561.D
 Acq: 03 Jun 2020 12:33

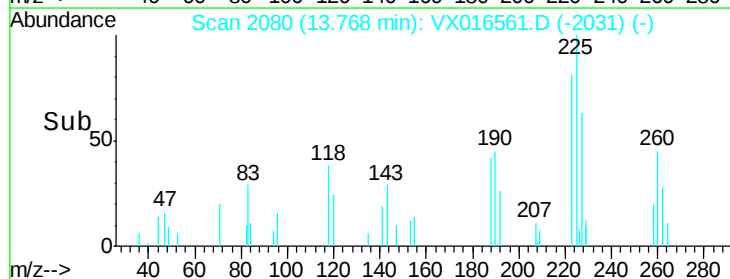
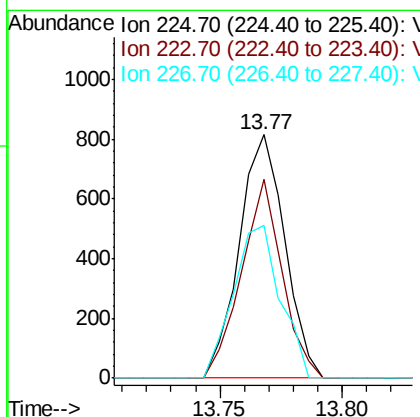
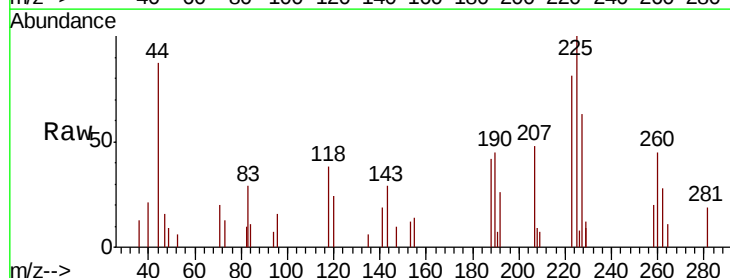
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200602

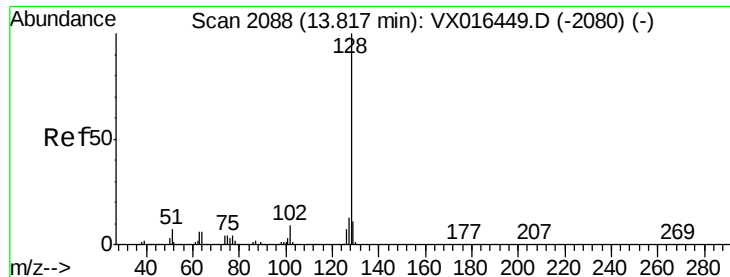
Tot Ion:180 Resp: 1634
 Ion Ratio Lower Upper
 180 100
 182 99.8 48.3 144.8
 145 39.3 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.616 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016561.D
 Acq: 03 Jun 2020 12:33

Tgt Ion:225 Resp: 1054
 Ion Ratio Lower Upper
 225 100
 223 73.1 32.3 96.8
 227 64.7 31.6 94.7

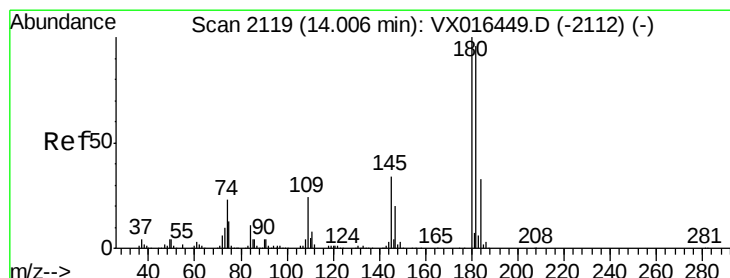
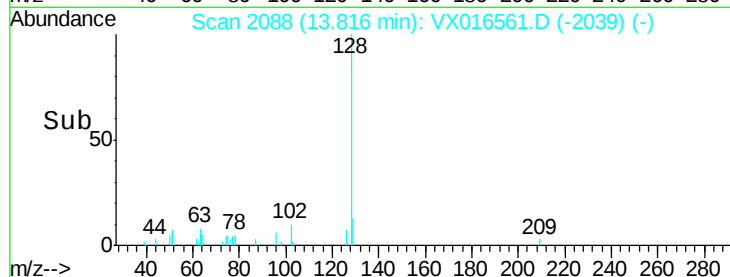
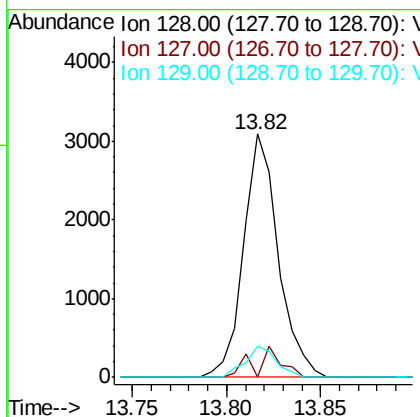
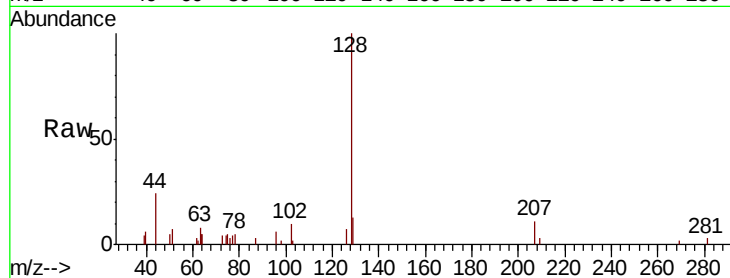




#95
Naphthalene
Concen: 0.265 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Instrument :
MSVOA_X
ClientSampleId :
TB-01-200602

Tot Ion:128 Resp: 3958
Ion Ratio Lower Upper
128 100
127 6.3 10.6 15.8#
129 11.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.375 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016561.D
Acq: 03 Jun 2020 12:33

Tgt Ion:180 Resp: 1601
Ion Ratio Lower Upper
180 100
182 94.2 48.6 145.8
145 34.4 16.6 49.8

