

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040820\
 Data File : VX015560.D
 Acq On : 08 Apr 2020 11:53
 Operator : JC/SP
 Sample : L2192-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200407

Quant Time: Apr 09 06:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1075838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1695966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1611522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	855223	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	704634	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.47	113	540676	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	8.70	98	2016290	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.12	95	849220	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	

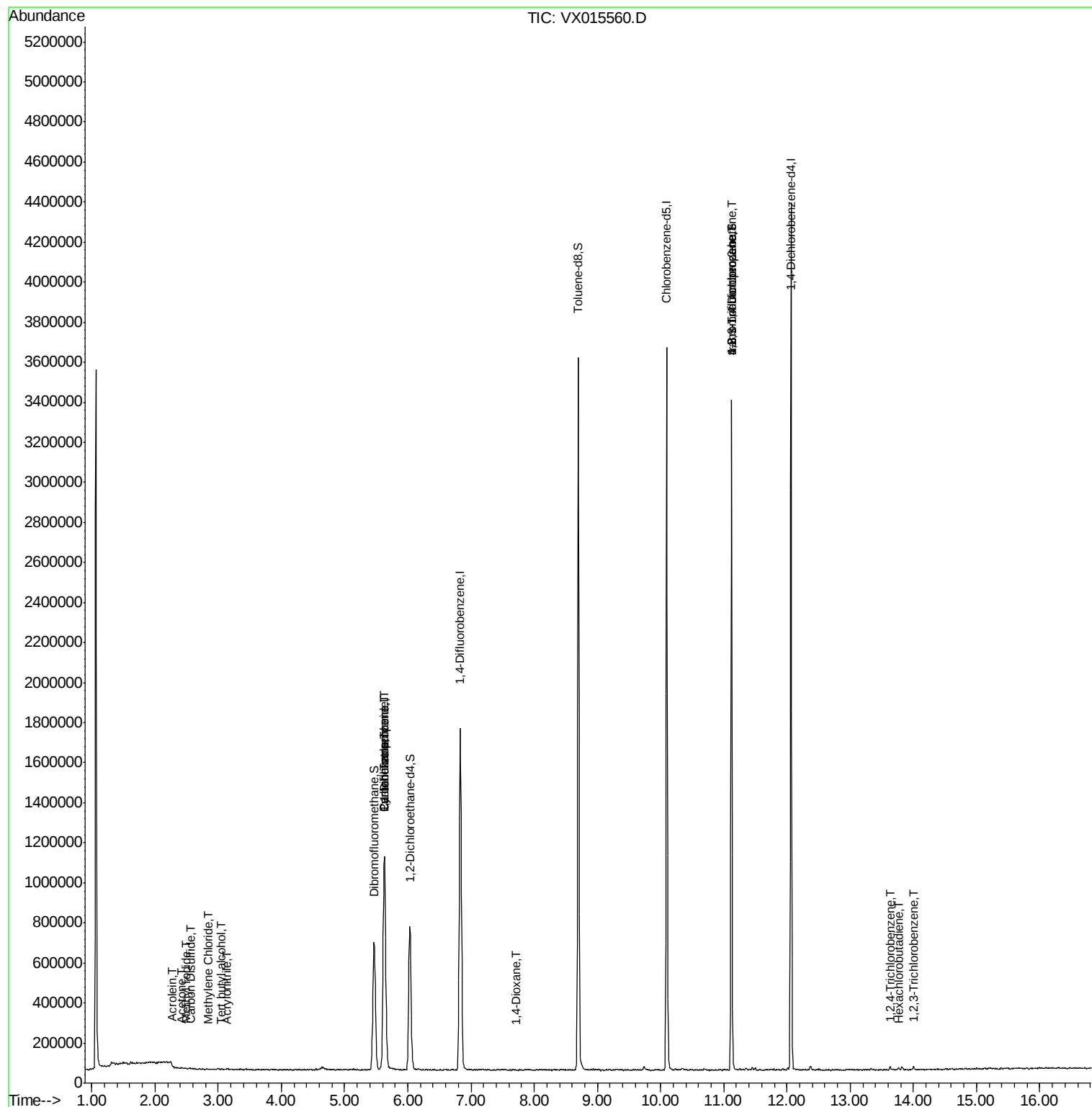
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1260	Below Cal		84
10) Methyl Iodide	2.50	142	3547	0.272	ug/l #	92
11) Tert butyl alcohol	3.04	59	1162	0.320	ug/l #	43
13) Acrolein	2.28	56	934	0.451	ug/l #	31
15) Acrylonitrile	3.13	53	1943	0.281	ug/l	93
16) Acetone	2.42	43	2179	0.334	ug/l	90
17) Carbon Disulfide	2.56	76	7754	0.250	ug/l #	93
20) Methylene Chloride	2.84	84	2548	0.209	ug/l #	29
31) Cyclohexane	5.63	56	22098	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	80035	5.122	ug/l #	52
38) Carbon Tetrachloride	5.63	117	99923	5.904	ug/l #	15
49) 1,4-Dioxane	7.72	88	949	2.965	ug/l #	9
76) 1,2,3-Trichloropropane	11.12	75	440593	25.052	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	440593	60.112	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	4276	0.206	ug/l	94
94) Hexachlorobutadiene	13.77	225	2740	0.278	ug/l	89
96) 1,2,3-Trichlorobenzene	14.00	180	4294	0.215	ug/l	94

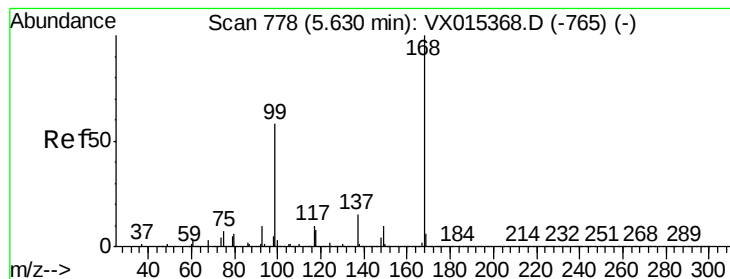
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040820\
Data File : VX015560.D
Acq On : 08 Apr 2020 11:53
Operator : JC/SP
Sample : L2192-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
TB-01-200407

Quant Time: Apr 09 06:17:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

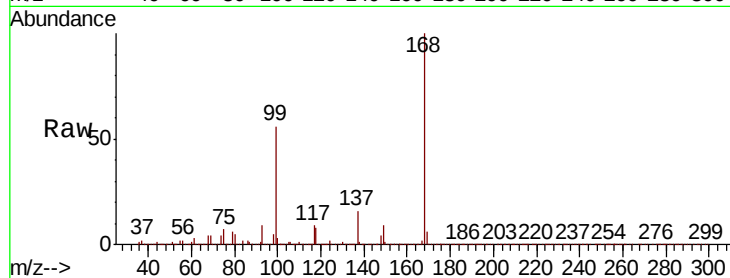
TB-01-200407

Tot Ion:168 Resp: 1075838

Ion Ratio Lower Upper

168 100

99 56.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

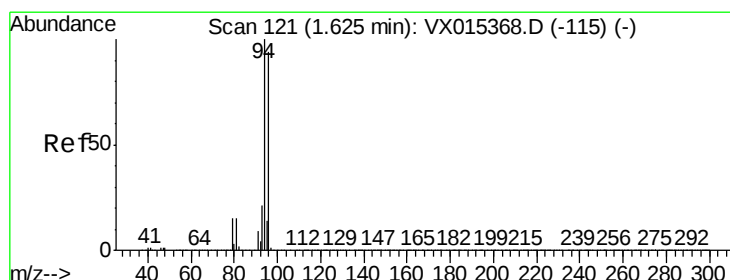
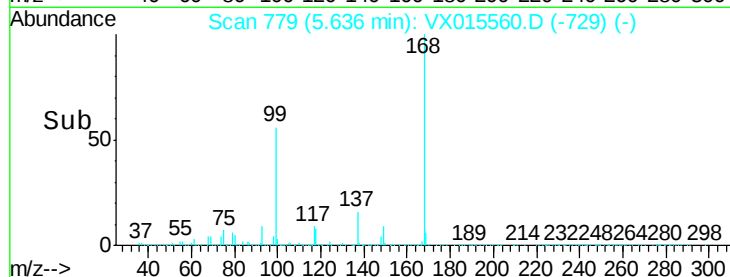
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015560.D

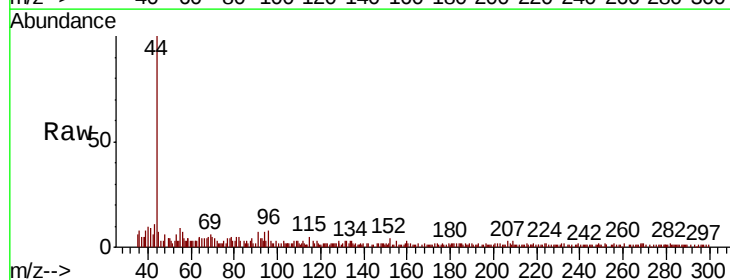
Acq: 08 Apr 2020 11:53

Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

96 78.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

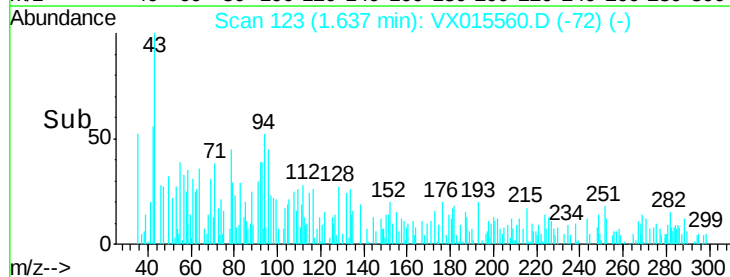
600

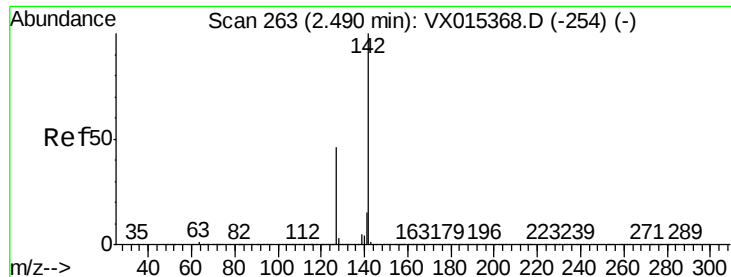
400

200

0

Time-->

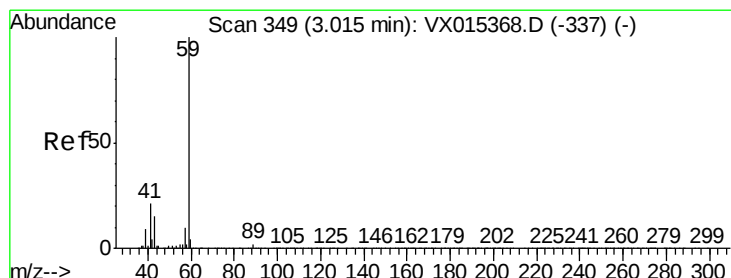
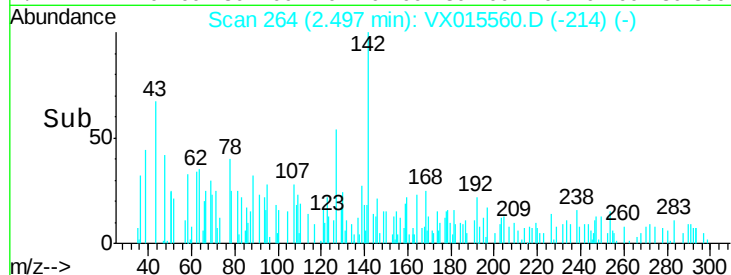
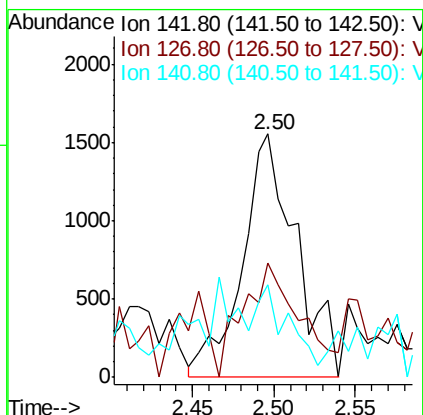
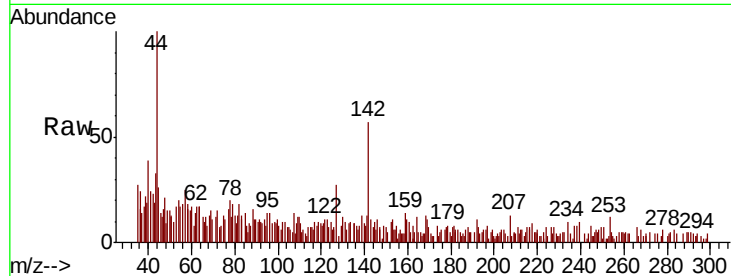




#10
Methvl Iodide
Concen: 0.272 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX015560.D
Acq: 08 Apr 2020 11:53

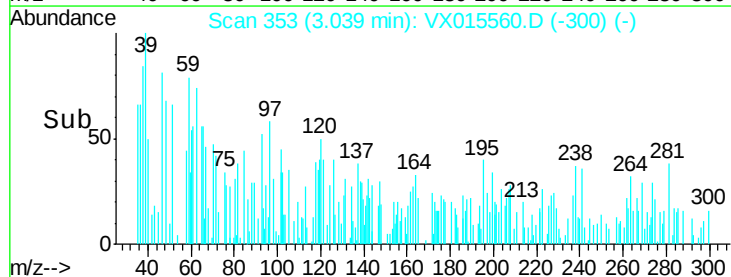
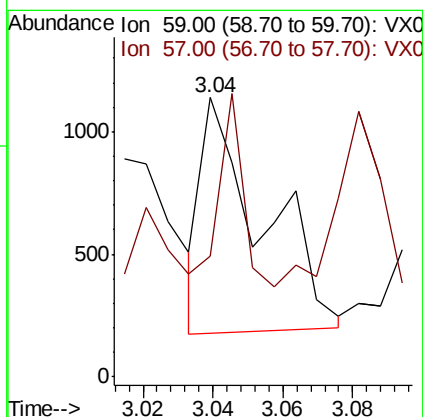
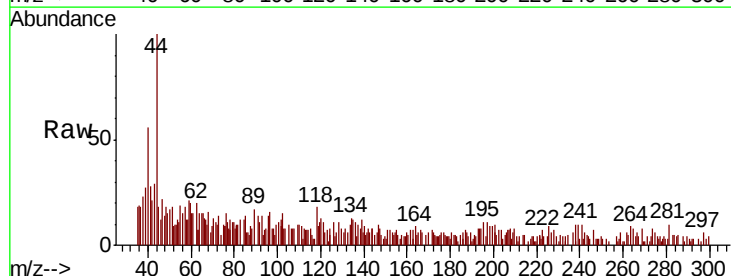
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200407

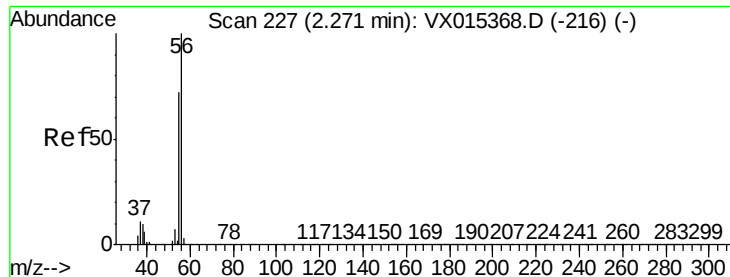
Tot Ion:142 Resp: 3547
Ion Ratio Lower Upper
142 100
127 50.0 35.9 53.9
141 18.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.320 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.02 min
Lab File: VX015560.D
Acq: 08 Apr 2020 11:53

Tgt Ion: 59 Resp: 1162
Ion Ratio Lower Upper
59 100
57 31.2 8.1 12.1#





#13

Acrolein

Concen: 0.451 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampled :

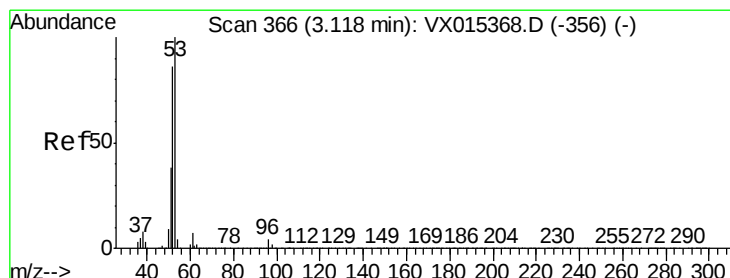
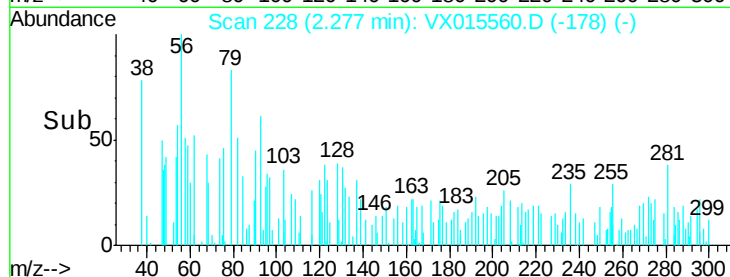
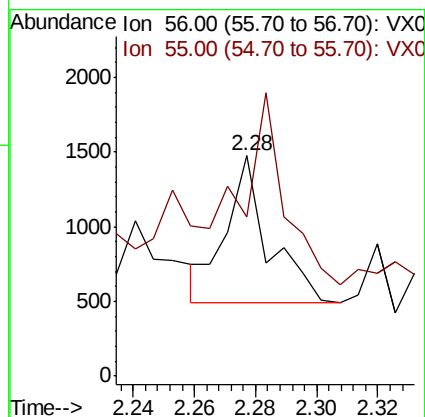
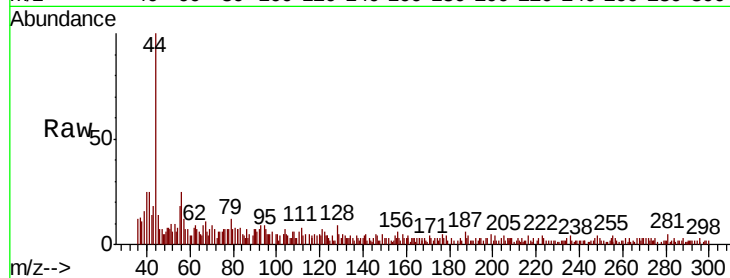
TB-01-200407

Tot Ion: 56 Resp: 934

Ion Ratio Lower Upper

56 100

55 128.3 57.0 85.4#



#15

Acrylonitrile

Concen: 0.281 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

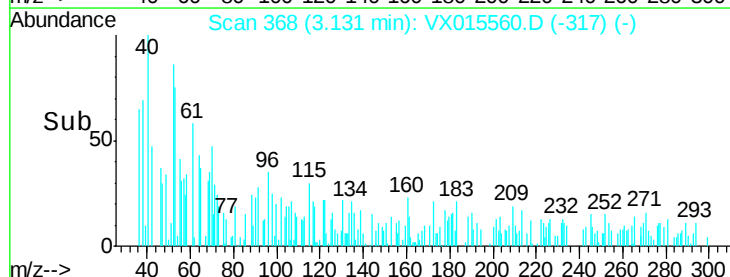
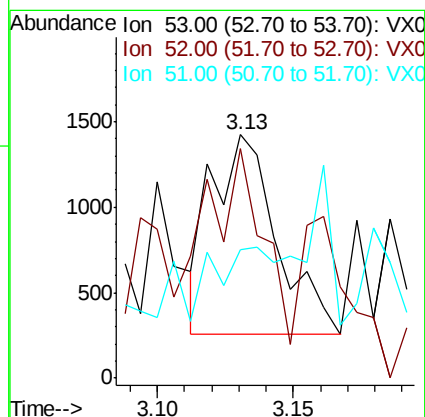
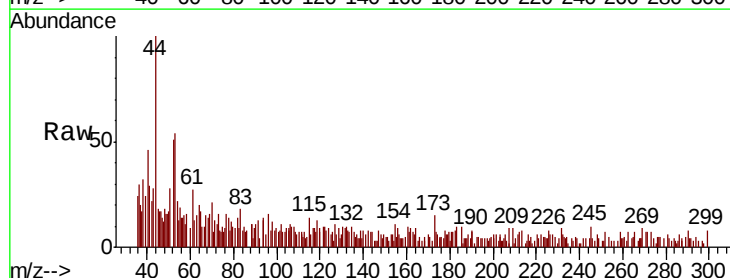
Tgt Ion: 53 Resp: 1943

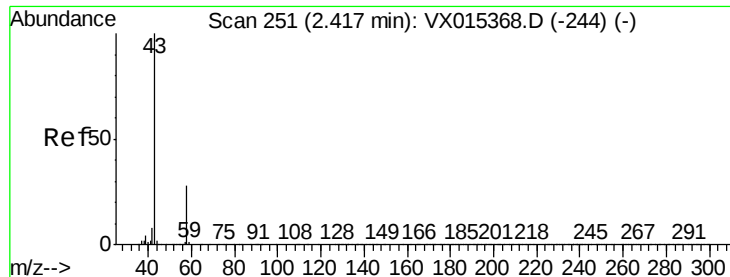
Ion Ratio Lower Upper

53 100

52 90.3 66.8 100.2

51 34.0 29.5 44.3





#16

Acetone

Concen: 0.334 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

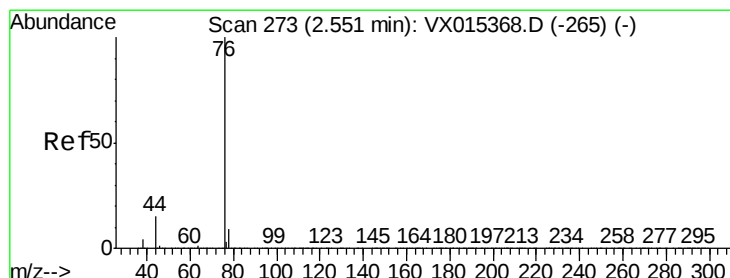
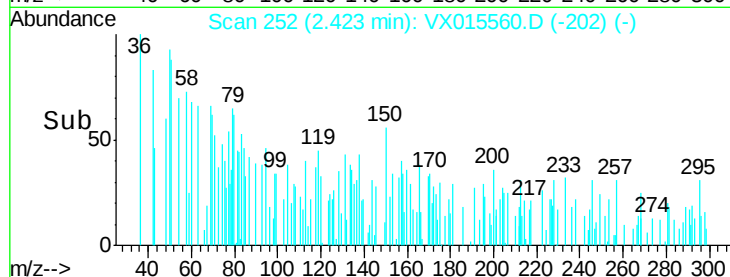
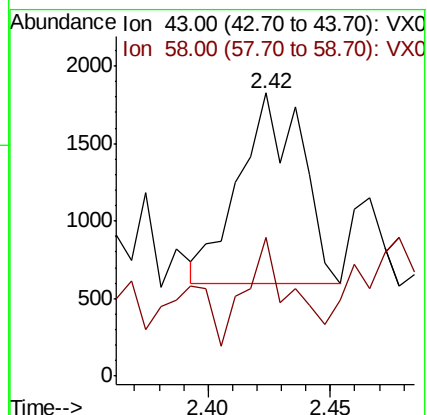
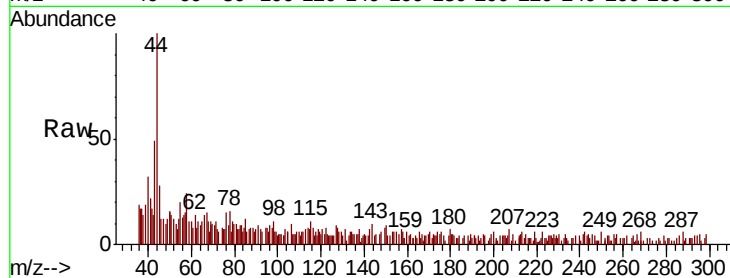
TB-01-200407

Tot Ion: 43 Resp: 2179

Ion Ratio Lower Upper

43 100

58 32.9 22.1 33.1



#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015560.D

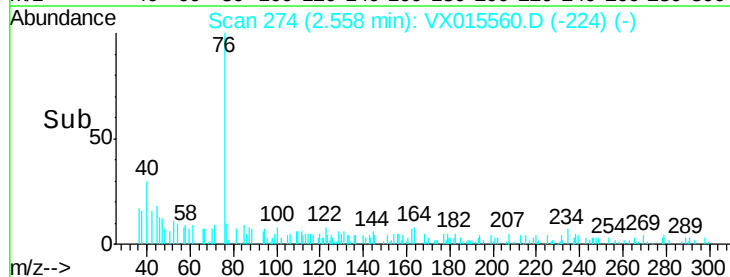
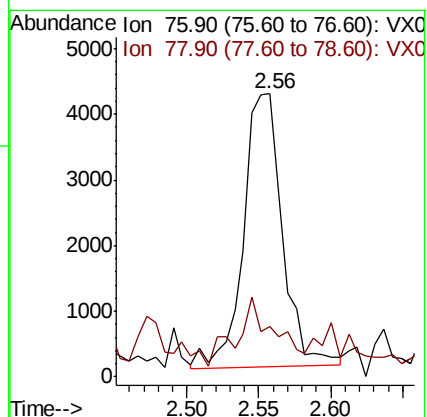
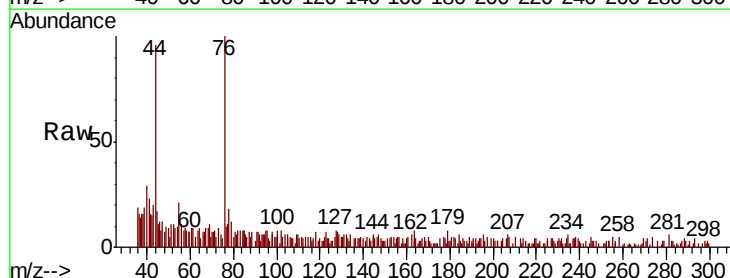
Acq: 08 Apr 2020 11:53

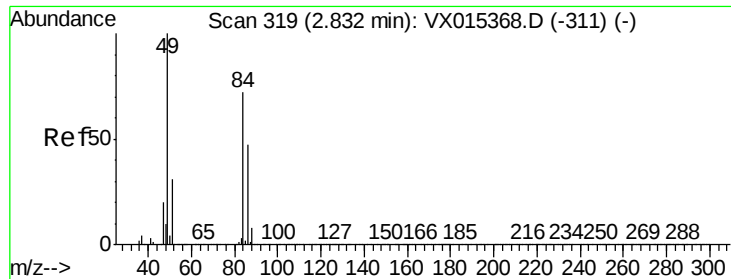
Tgt Ion: 76 Resp: 7754

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#

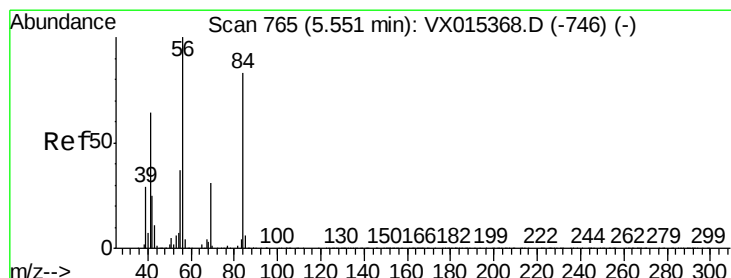
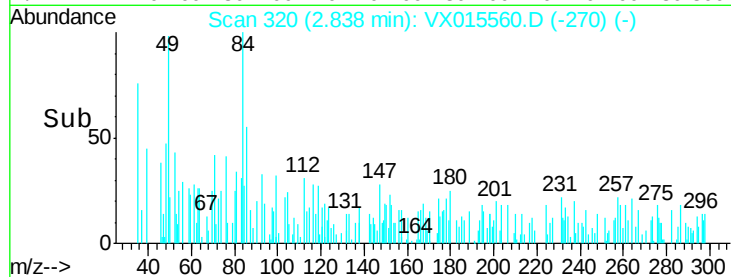
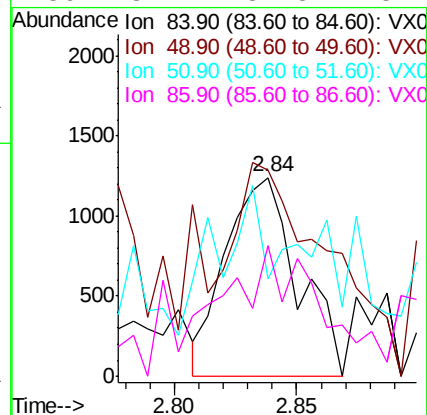
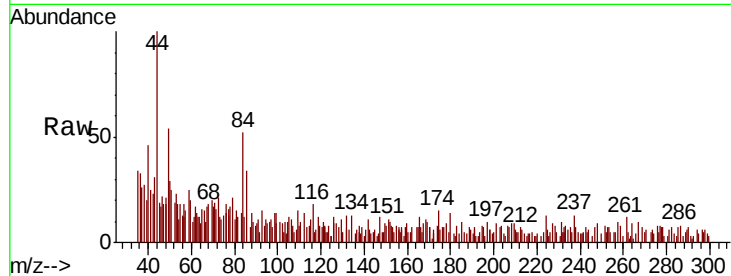




#20
Methvlene Chloride
Concen: 0.209 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015560.D
Acq: 08 Apr 2020 11:53

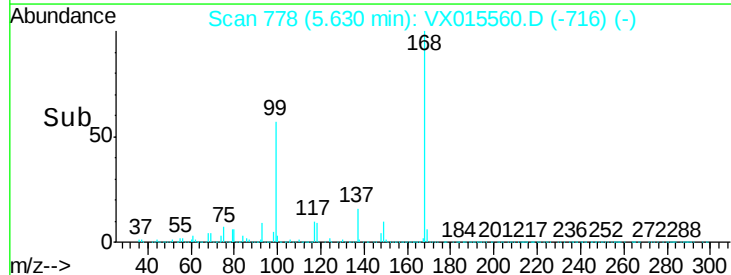
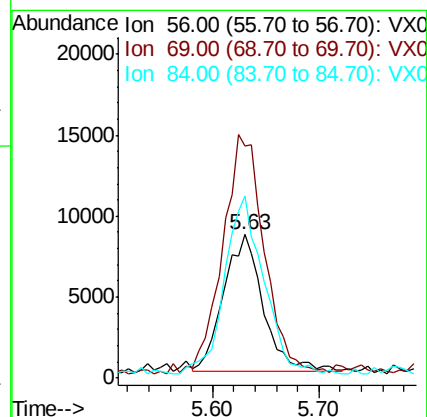
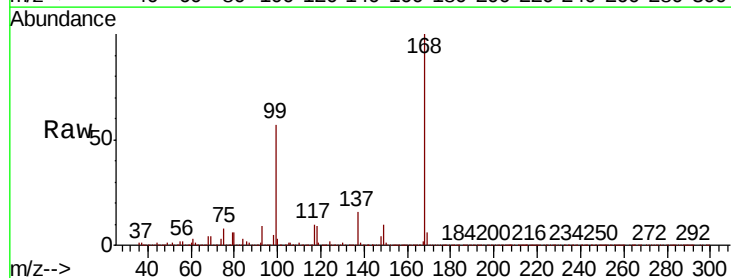
Instrument :
MSVOA_X
ClientSampled :
TB-01-200407

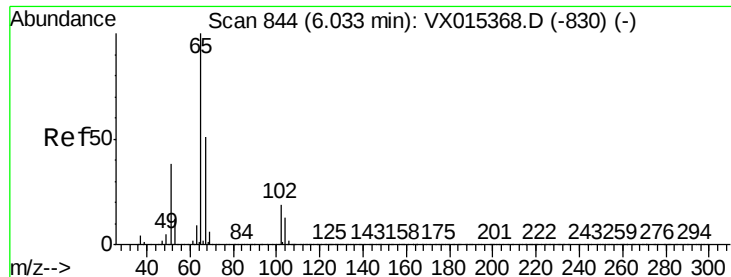
Tot Ion: 84 Resp: 2548
Ion Ratio Lower Upper
84 100
49 34.0 111.3 166.9#
51 1.4 34.0 51.0#
86 32.4 52.5 78.7#



#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015560.D
Acq: 08 Apr 2020 11:53

Tgt Ion: 56 Resp: 22098
Ion Ratio Lower Upper
56 100
69 165.5 24.6 36.8#
84 132.9 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 46.438 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

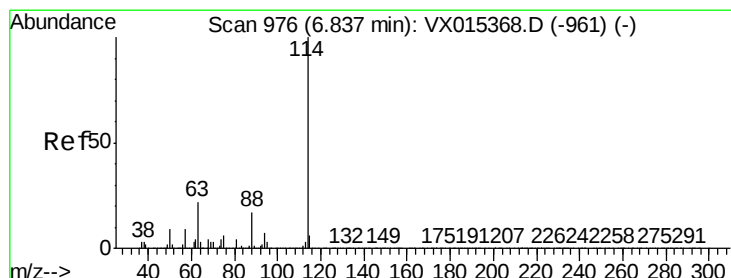
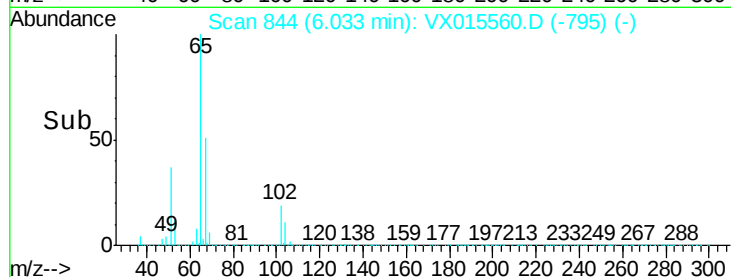
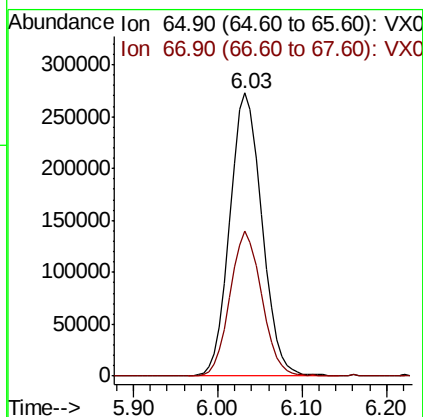
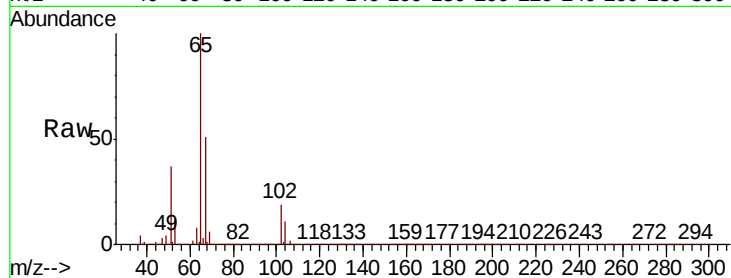
TB-01-200407

Tot Ion: 65 Resp: 704634

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

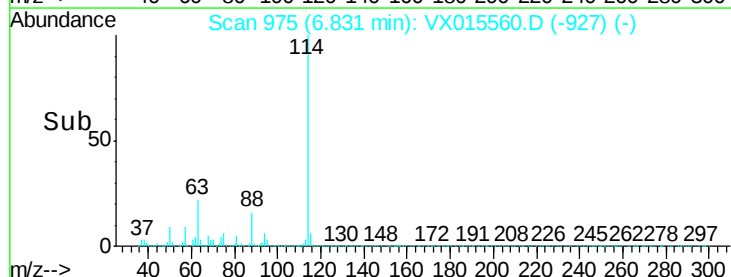
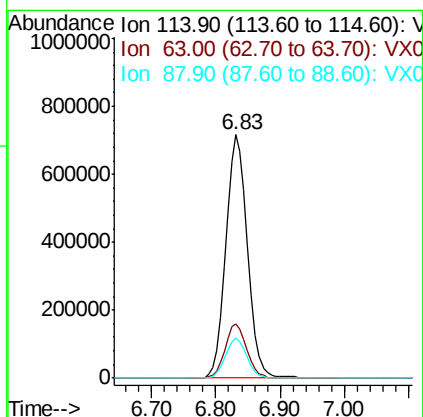
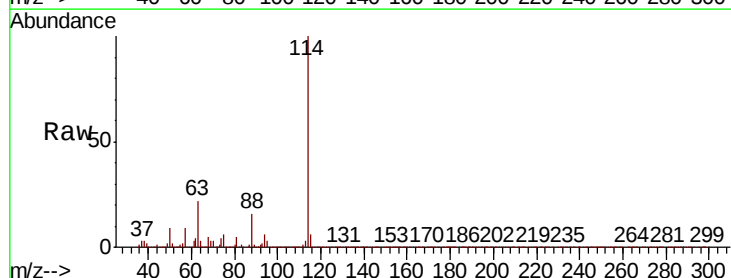
Tgt Ion: 114 Resp: 1695966

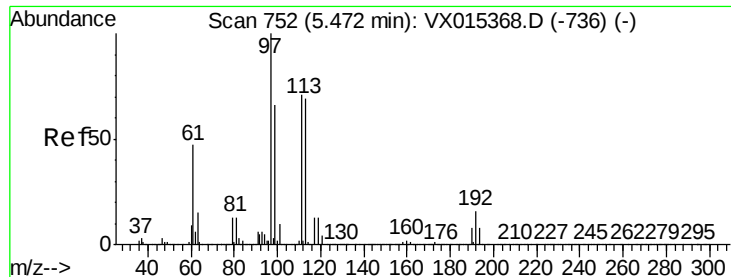
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.3 0.0 33.8

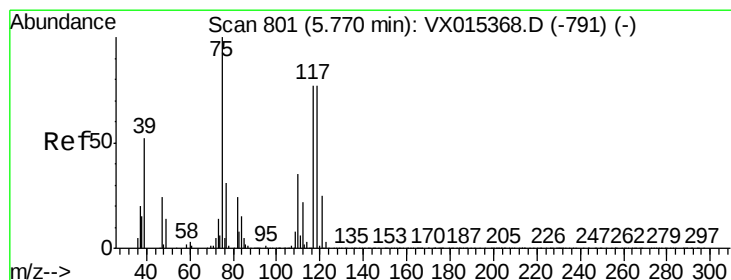
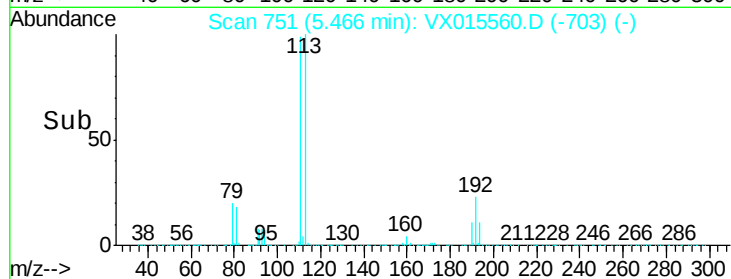
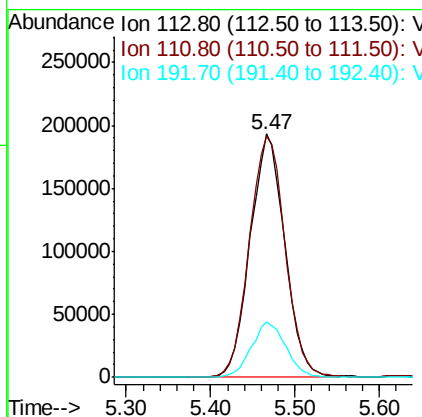
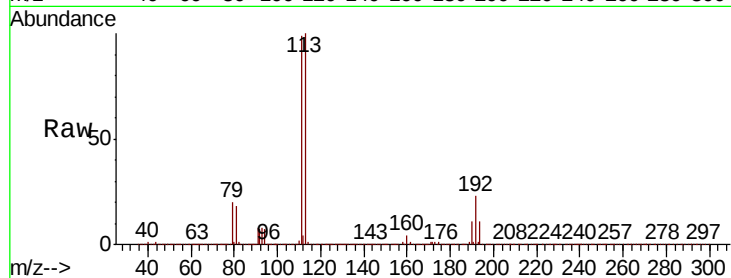




#35
 Dibromofluoromethane
 Concen: 49.873 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015560.D
 Acq: 08 Apr 2020 11:53

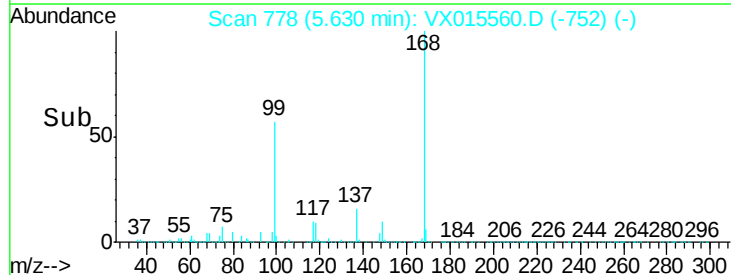
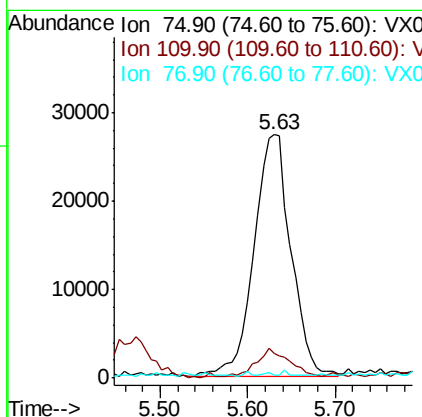
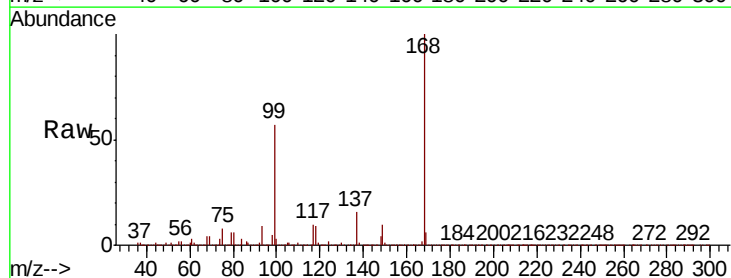
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200407

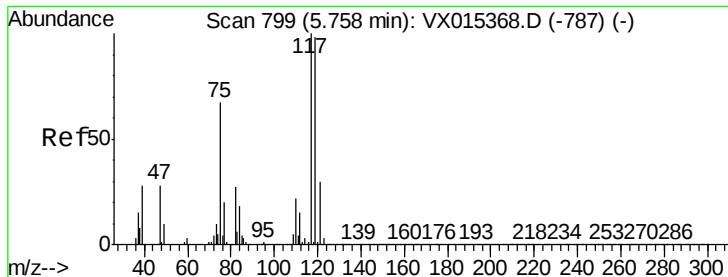
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	22.6	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.122 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015560.D
 Acq: 08 Apr 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.904 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200407

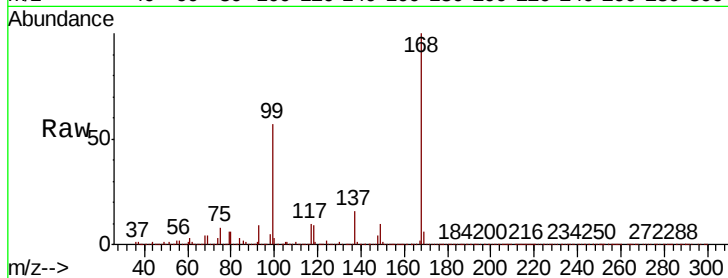
Tot Ion:117 Resp: 99923

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

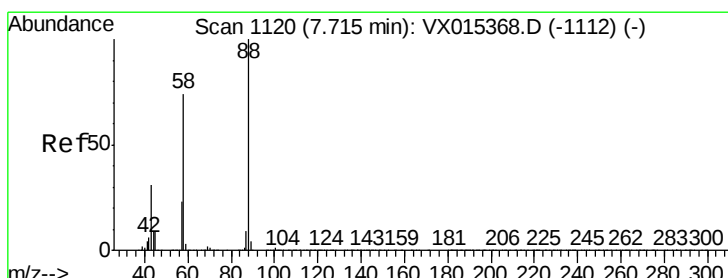
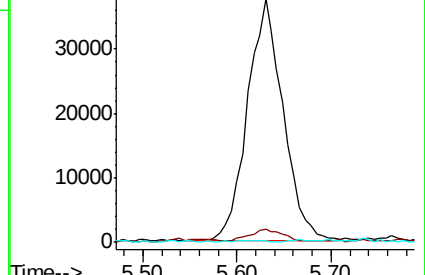
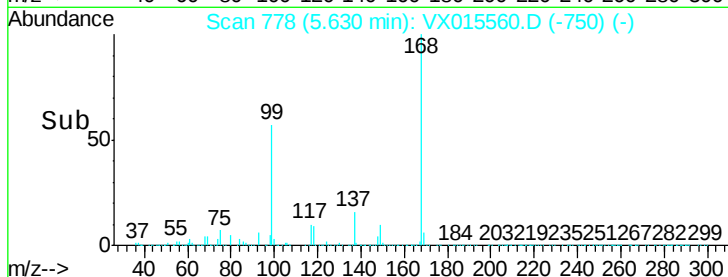
121 0.0 23.8 35.8#



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: 2.965 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

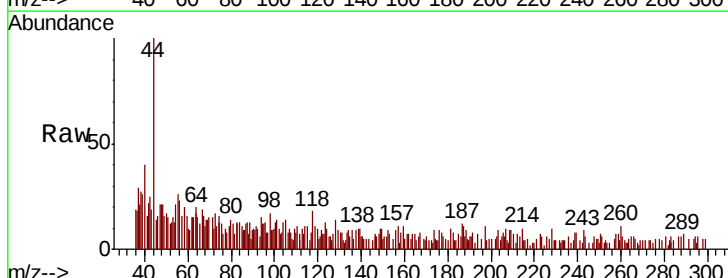
Tgt Ion: 88 Resp: 949

Ion Ratio Lower Upper

88 100

43 95.0 30.1 45.1#

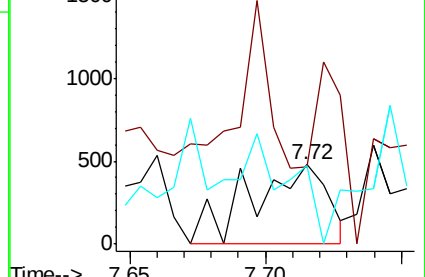
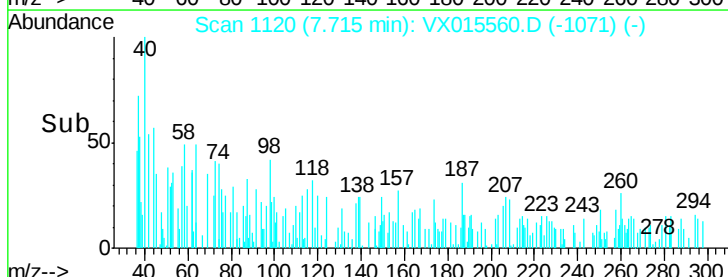
58 0.0 60.6 90.8#

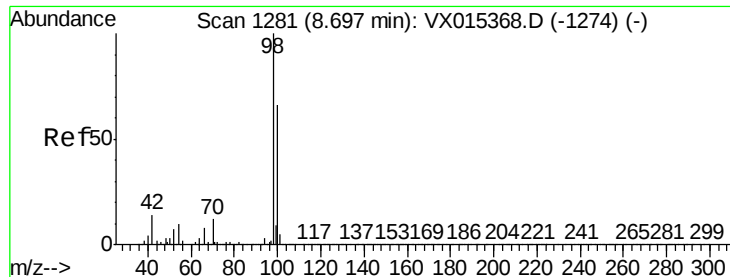


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.516 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

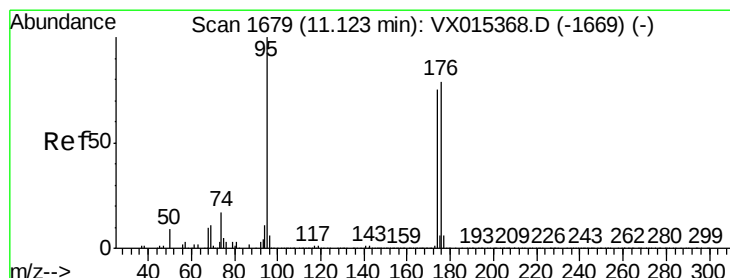
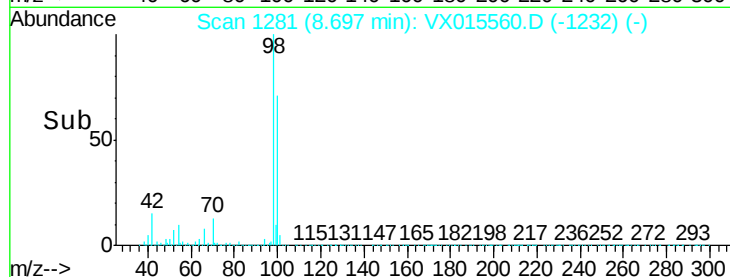
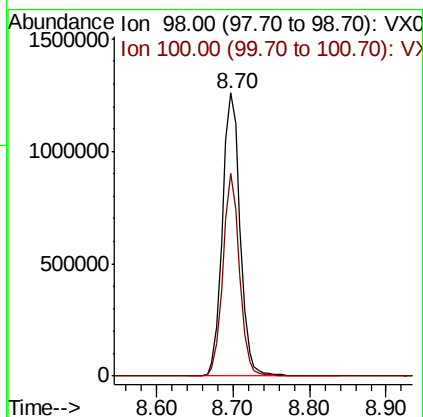
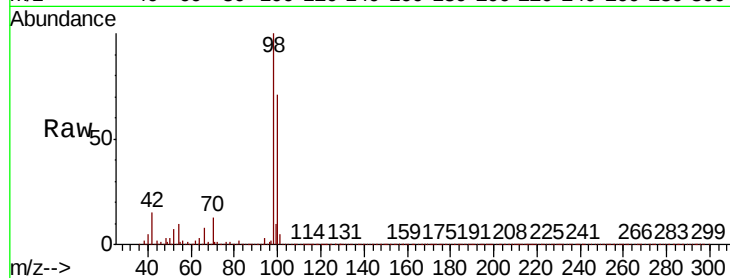
TB-01-200407

Tot Ion: 98 Resp: 2016290

Ion Ratio Lower Upper

98 100

100 67.0 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 52.353 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

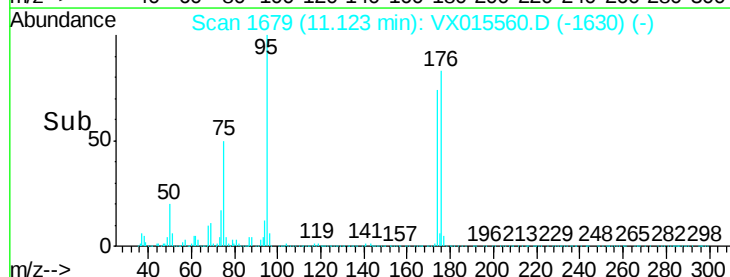
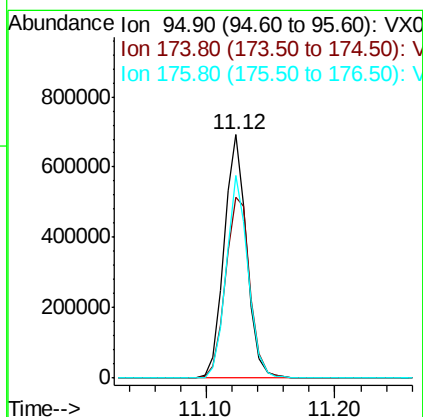
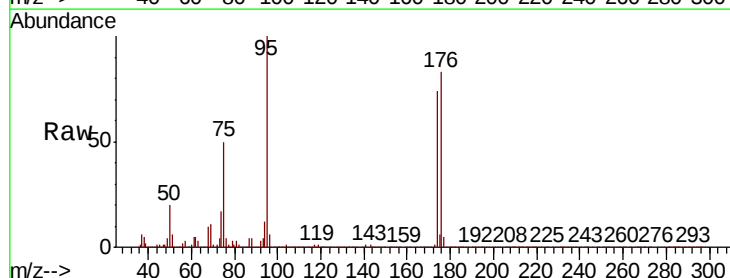
Tgt Ion: 95 Resp: 849220

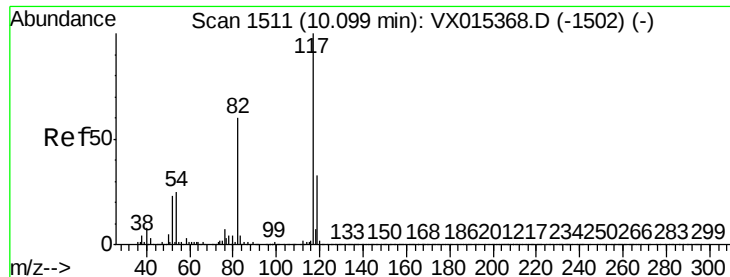
Ion Ratio Lower Upper

95 100

174 81.0 0.0 158.6

176 81.2 0.0 159.0

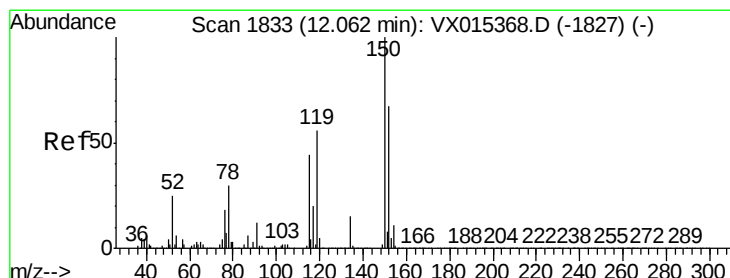
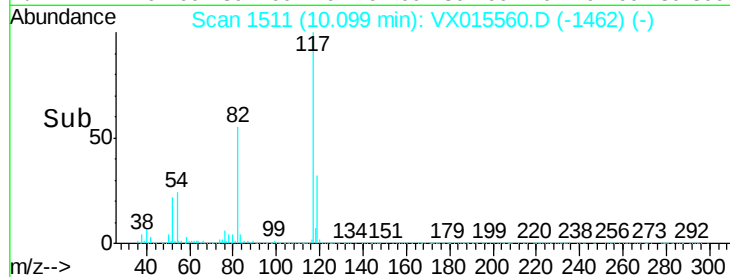
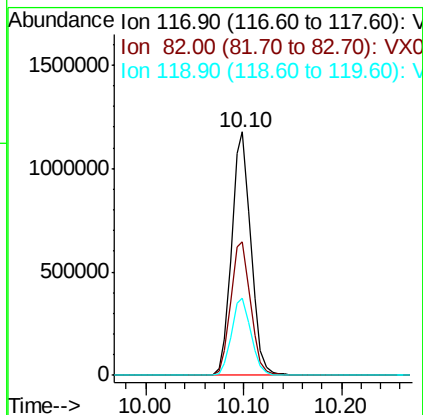
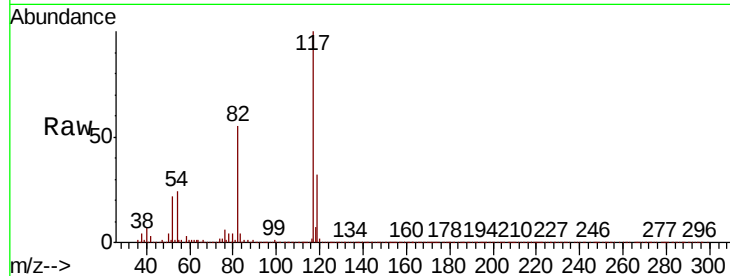




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015560.D
Acq: 08 Apr 2020 11:53

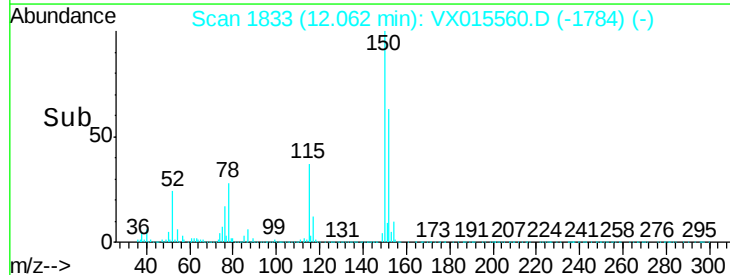
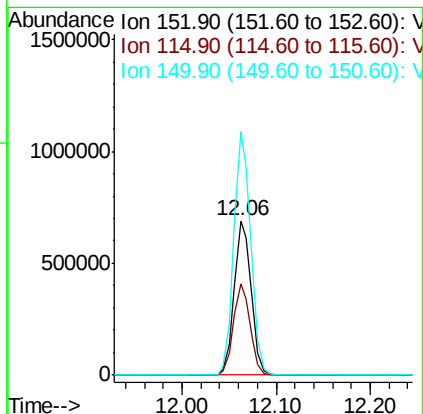
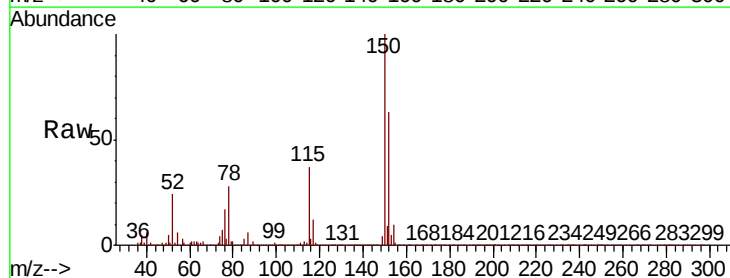
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200407

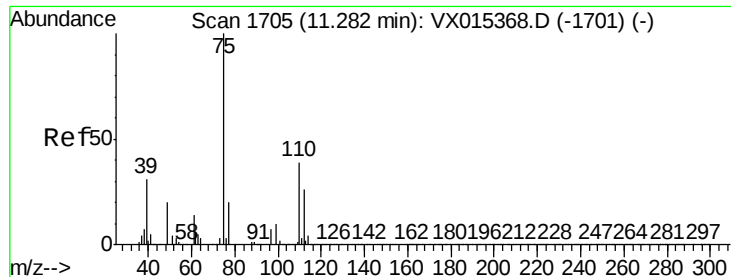
Tot Ion:117 Resp: 1611522
Ion Ratio Lower Upper
117 100
82 54.8 47.8 71.8
119 31.9 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015560.D
Acq: 08 Apr 2020 11:53

Tgt Ion:152 Resp: 855223
Ion Ratio Lower Upper
152 100
115 58.6 39.0 116.9
150 157.7 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.052 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

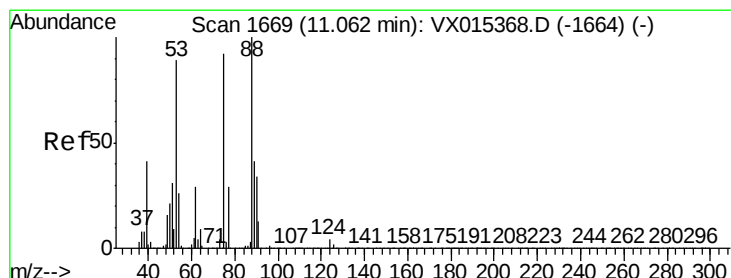
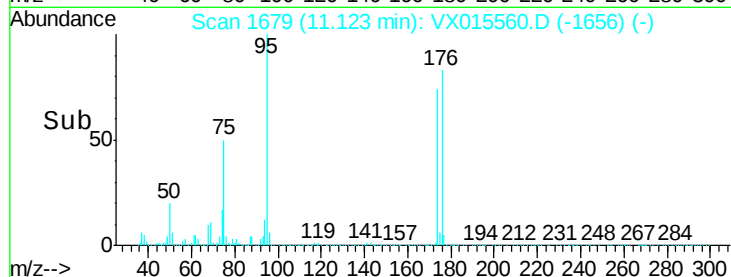
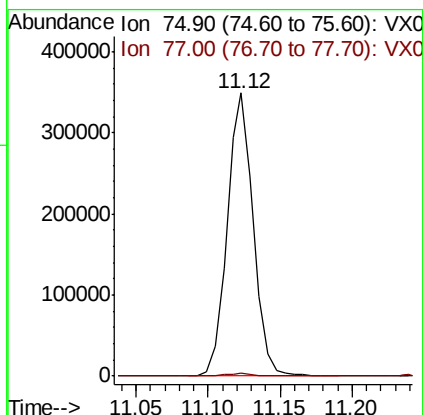
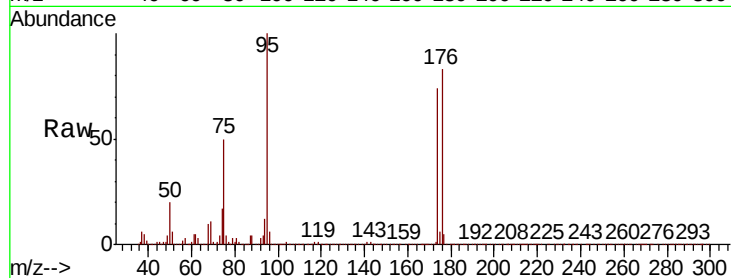
TB-01-200407

Tot Ion: 75 Resp: 440593

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.112 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015560.D

Acq: 08 Apr 2020 11:53

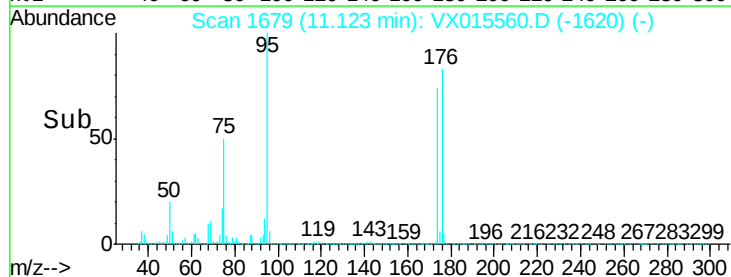
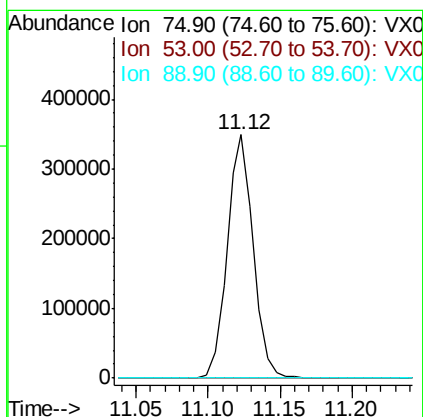
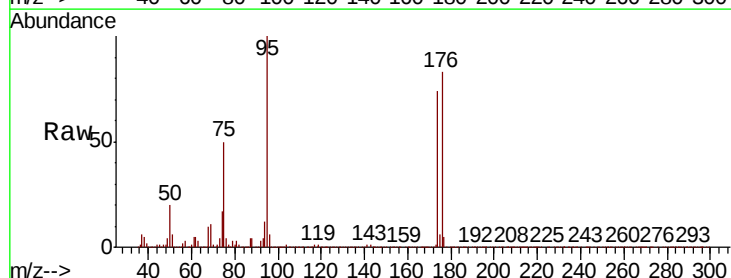
Tgt Ion: 75 Resp: 440593

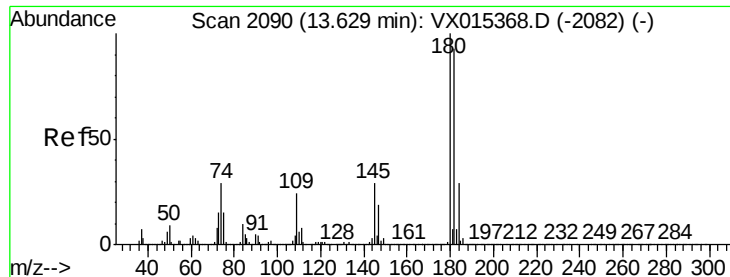
Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#

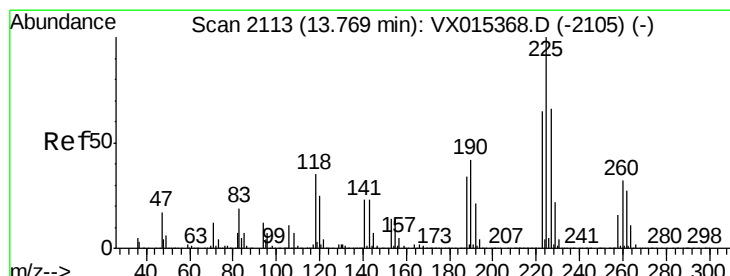
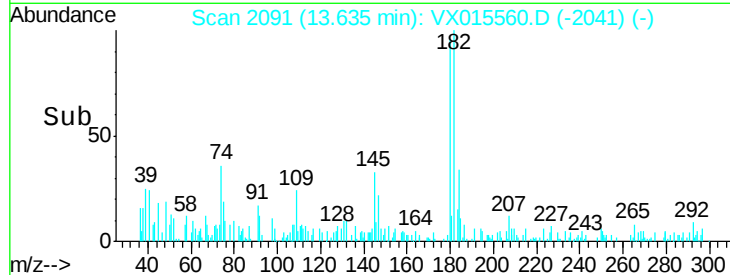
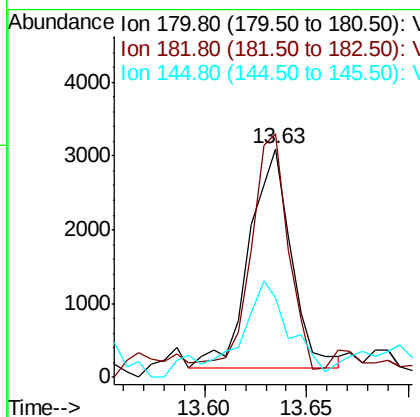
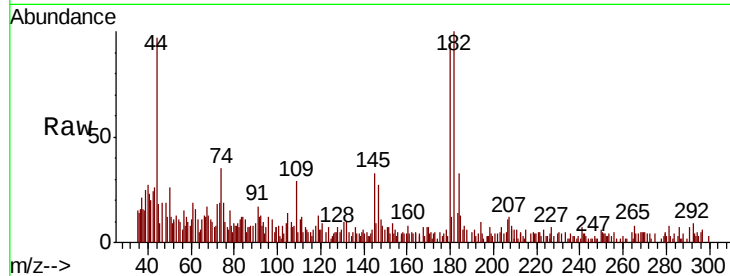




#93
 1,2,4-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.63 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: VX015560.D
 Acq: 08 Apr 2020 11:53

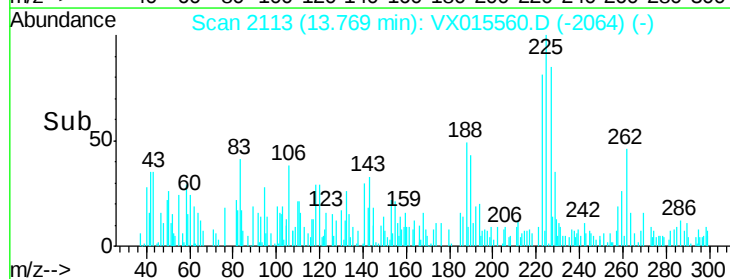
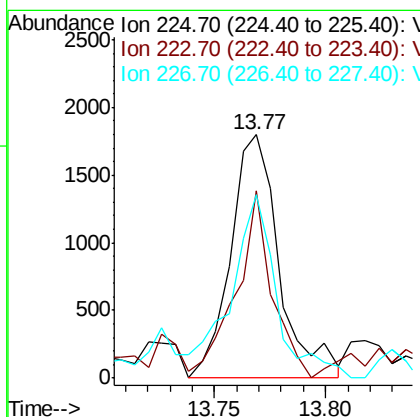
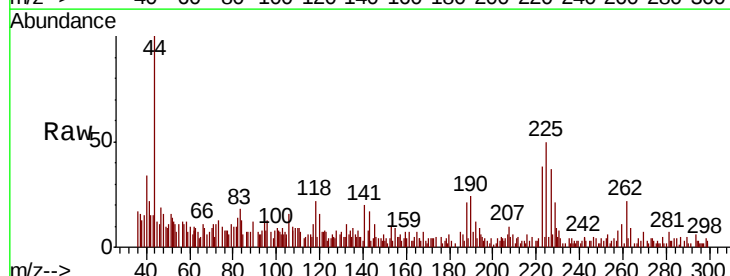
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200407

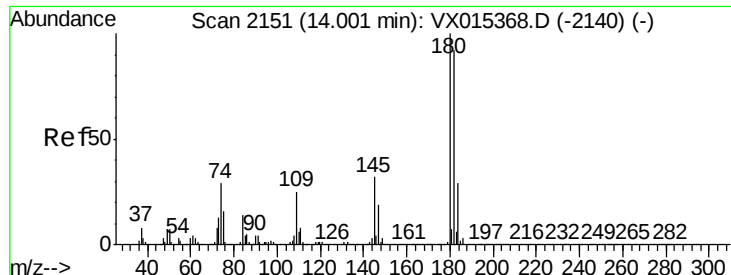
Tot Ion:180 Resp: 4276
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.9 140.7
 145 42.2 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.278 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VX015560.D
 Acq: 08 Apr 2020 11:53

Tgt Ion:225 Resp: 2740
 Ion Ratio Lower Upper
 225 100
 223 56.8 31.9 95.7
 227 70.5 30.4 91.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.215 ug/l
 RT: 14.00 min Scan# 2151
 Delta R.T. -0.00 min
 Lab File: VX015560.D
 Acq: 08 Apr 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200407

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.7	140.0
145	44.9	15.8	47.3

