

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015733.D
 Acq On : 17 Apr 2020 13:23
 Operator : JC/SP
 Sample : VX0417WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:12:05 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	1013018	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.83	114	1589952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1465981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	802429	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	602222	42.15	ug/l	0.00
Spiked Amount			Recovery	=	84.30%	
35) Dibromofluoromethane	5.47	113	468341	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	8.70	98	1848631	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.12	95	760780	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

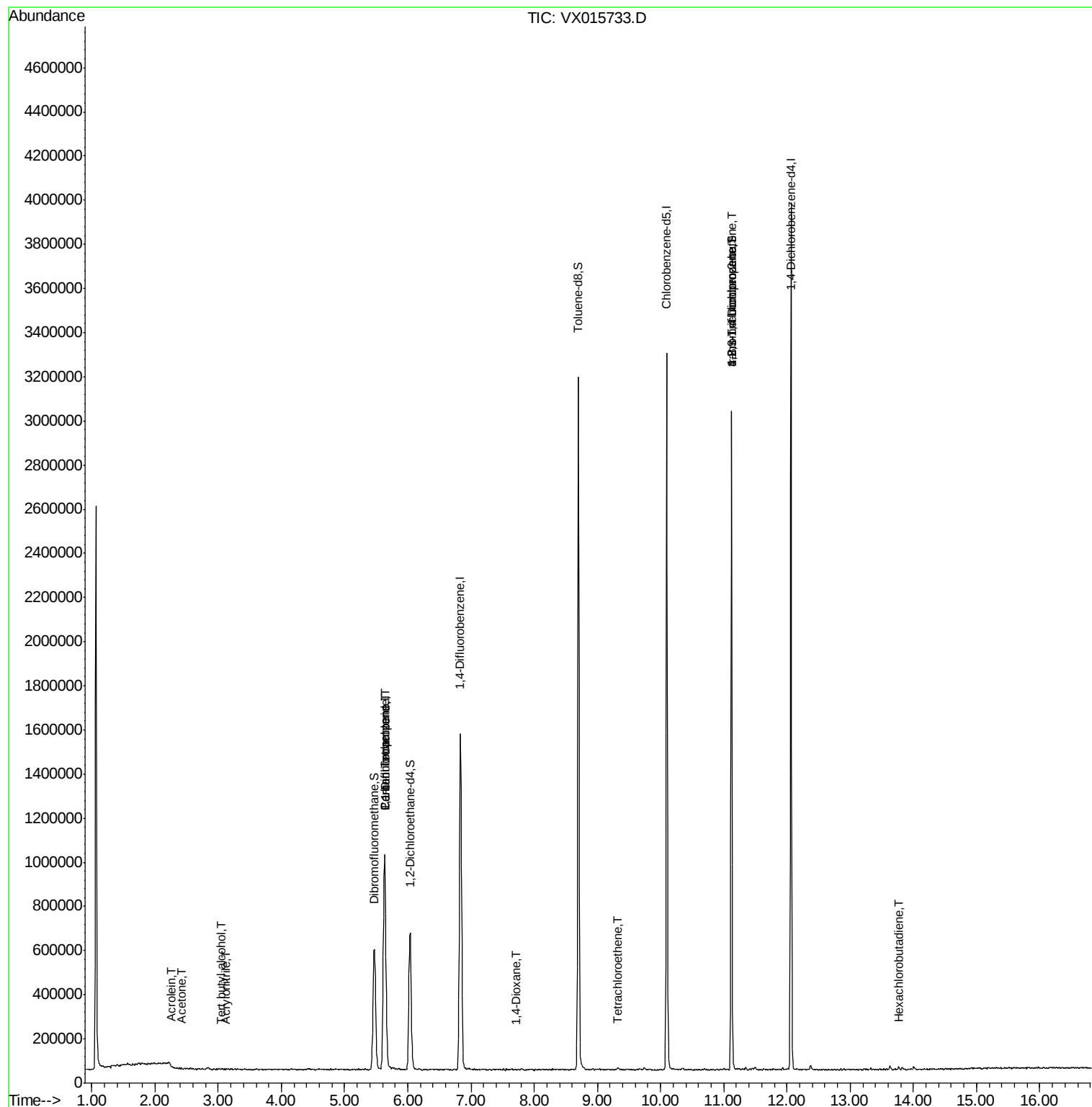
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1531	Below Cal	#	17
11) Tert butyl alcohol	3.05	59	1249	0.365	ug/l #	1
13) Acrolein	2.26	56	1768	0.908	ug/l #	72
15) Acrylonitrile	3.11	53	1450	0.222	ug/l #	37
16) Acetone	2.42	43	5607	0.913	ug/l #	47
36) 1,1-Dichloropropene	5.63	75	67314	4.595	ug/l #	52
38) Carbon Tetrachloride	5.63	117	94737	5.971	ug/l #	14
49) 1,4-Dioxane	7.72	88	384	1.280	ug/l #	20
64) Tetrachloroethene	9.32	164	2540	0.230	ug/l #	68
76) 1,2,3-Trichloropropane	11.12	75	385636	23.370	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	385636	56.075	ug/l #	10
94) Hexachlorobutadiene	13.77	225	2565	0.277	ug/l	76

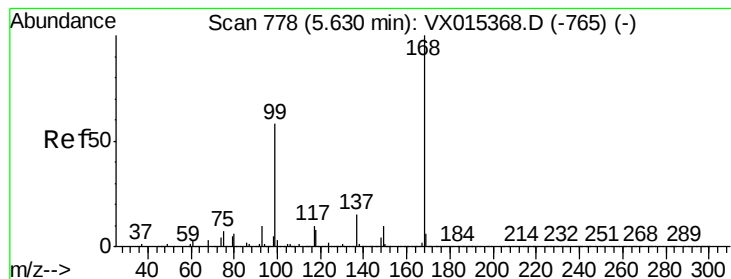
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041720\
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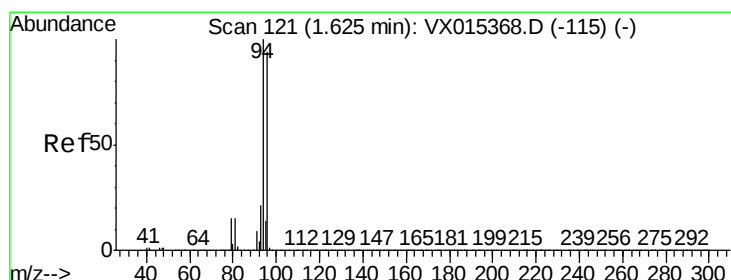
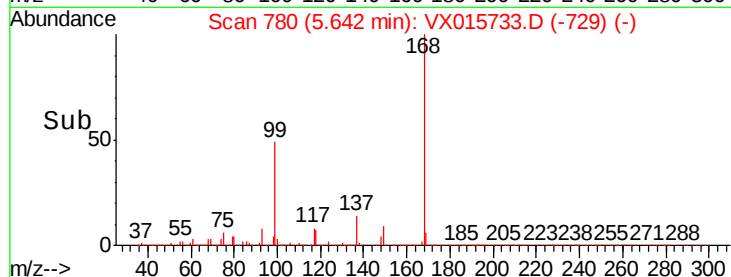
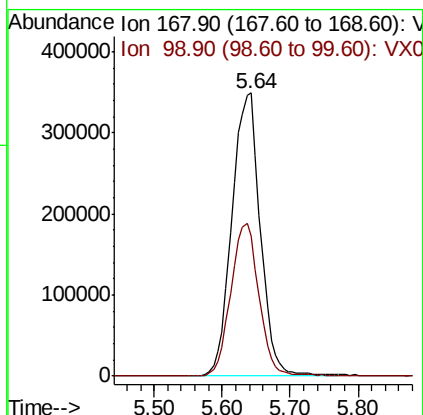
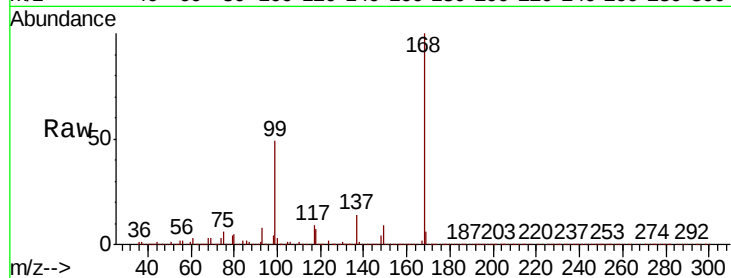


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. 0.01 min
 Lab File: VX015733.D
 Acq: 17 Apr 2020 13:23

Instrument :
 MSVOA_X
 ClientSampleId :

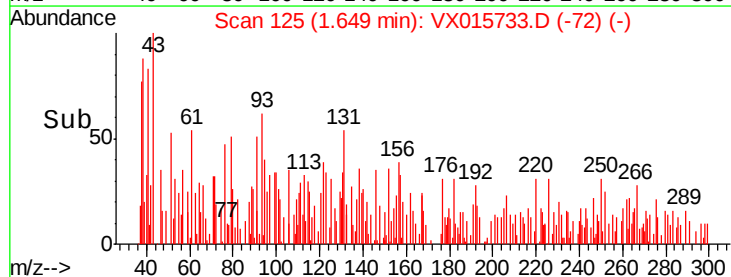
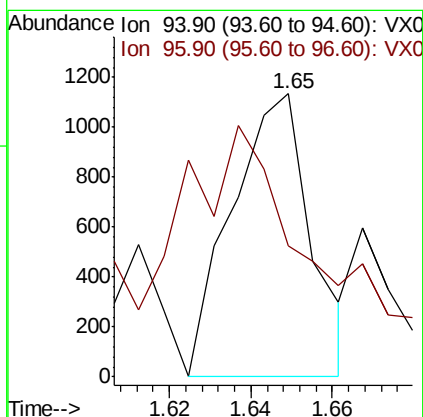
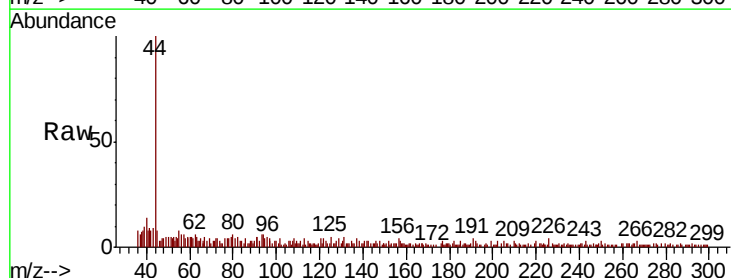
Tot Ion:168 Resp: 1013018
 Ion Ratio Lower Upper
 168 100
 99 49.4 46.4 69.6

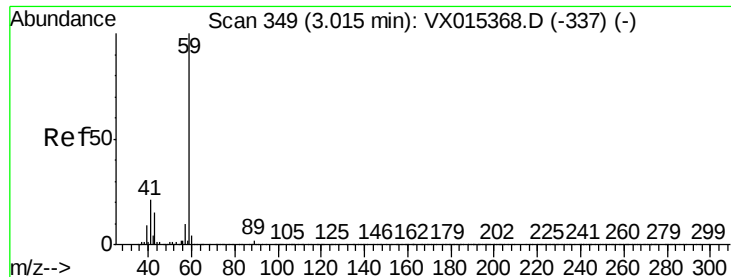


#5

Bromomethane
 Concen: Below Cal
 RT: 1.65 min Scan# 125
 Delta R.T. 0.03 min
 Lab File: VX015733.D
 Acq: 17 Apr 2020 13:23

Tgt Ion: 94 Resp: 1531
 Ion Ratio Lower Upper
 94 100
 96 14.0 74.8 112.2#



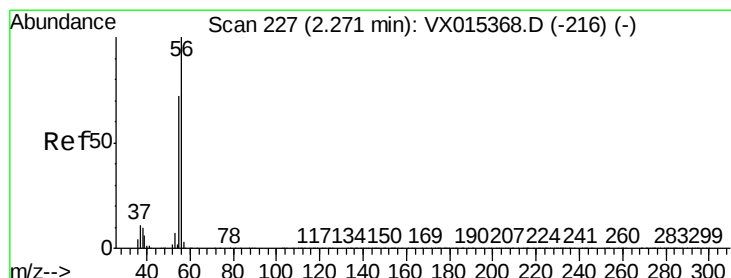
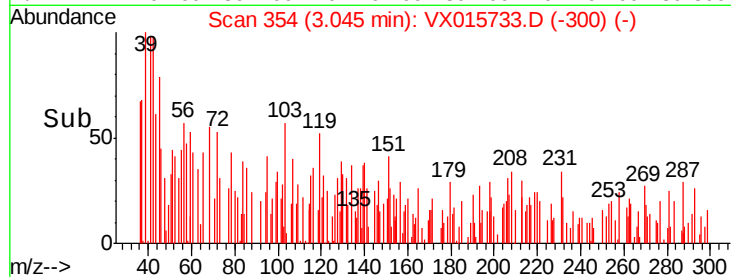
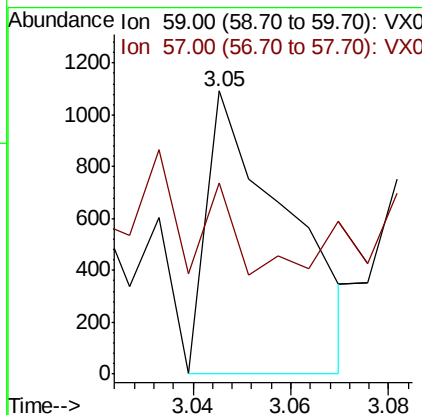
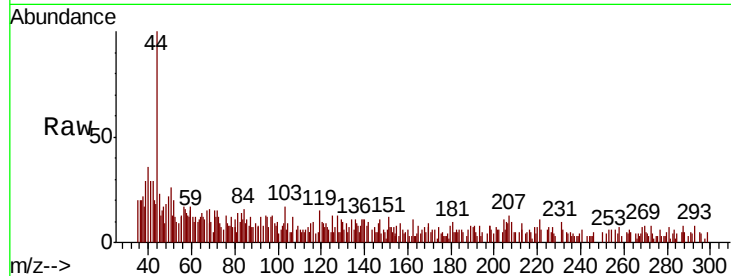


#11

Tert butyl alcohol
Concen: 0.365 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.03 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

Instrument :
MSVOA_X
ClientSampled :

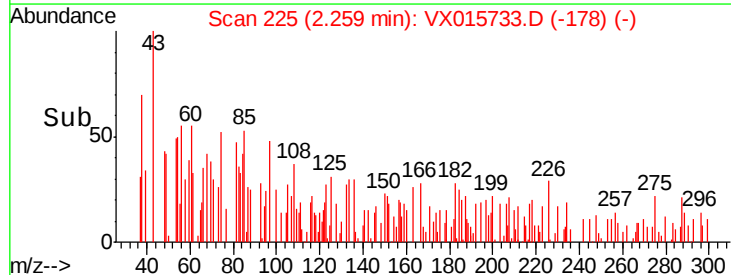
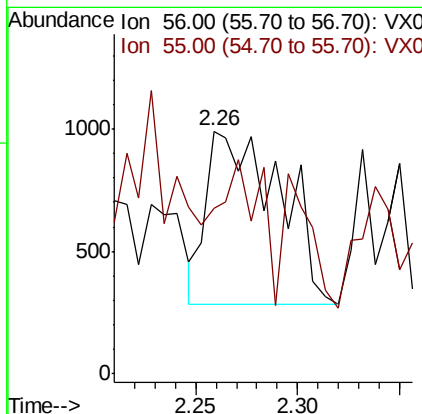
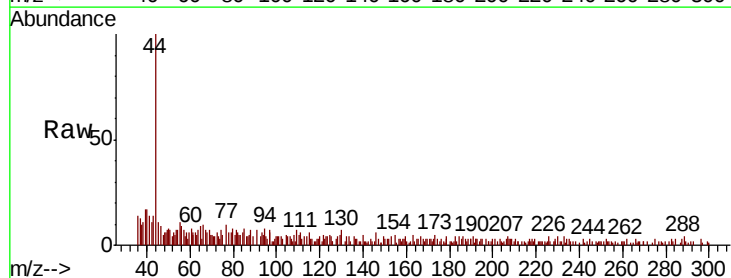
Tot Ion: 59 Resp: 1249
Ion Ratio Lower Upper
59 100
57 81.2 8.1 12.1#

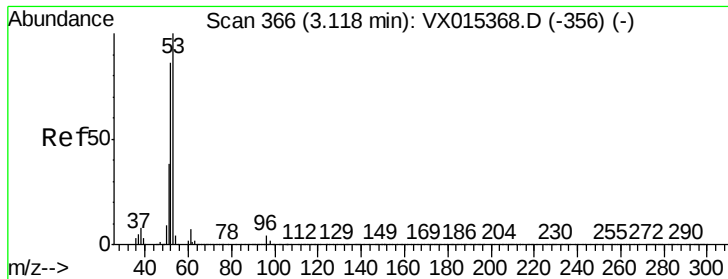


#13

Acrolein
Concen: 0.908 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

Tgt Ion: 56 Resp: 1768
Ion Ratio Lower Upper
56 100
55 47.9 57.0 85.4#





#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

Instrument :

MSVOA_X

ClientSampled :

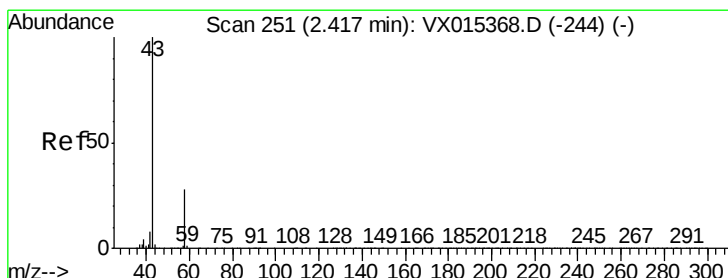
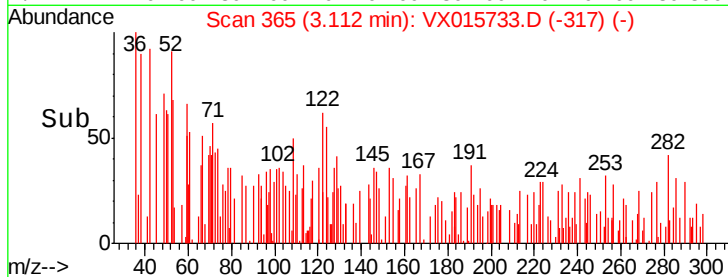
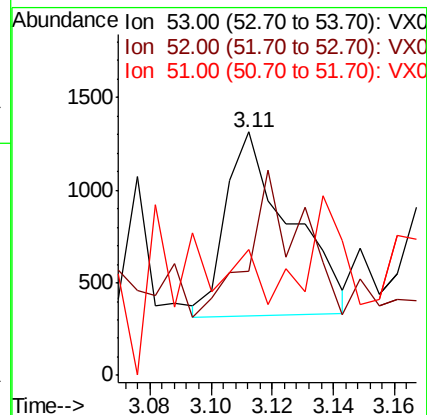
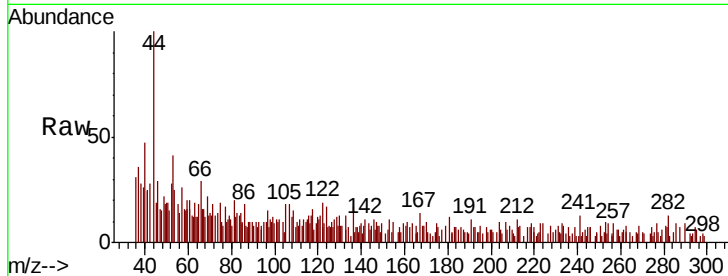
Tot Ion: 53 Resp: 1450

Ion Ratio Lower Upper

53 100

52 141.2 66.8 100.2#

51 0.0 29.5 44.3#



#16

Acetone

Concen: 0.913 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015733.D

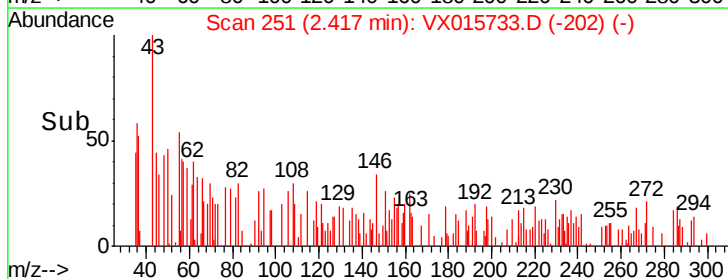
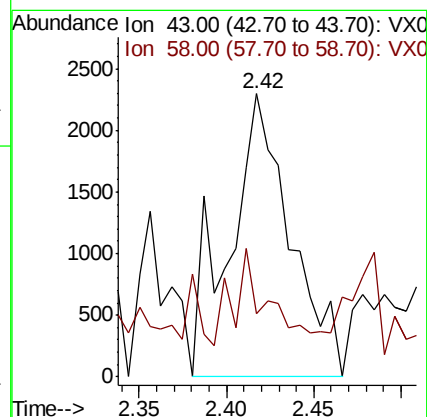
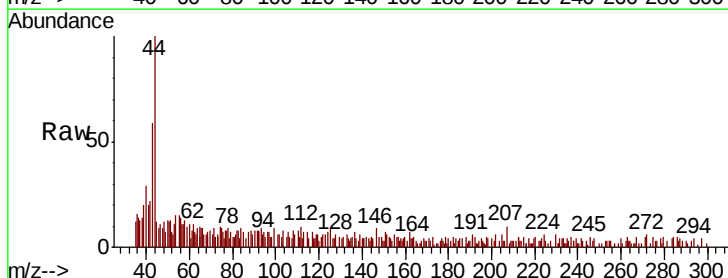
Acq: 17 Apr 2020 13:23

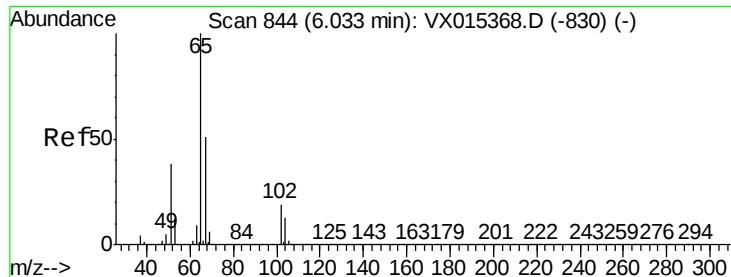
Tgt Ion: 43 Resp: 5607

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





#33

1,2-Dichloroethane-d4

Concen: 42.150 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

Instrument :

MSVOA_X

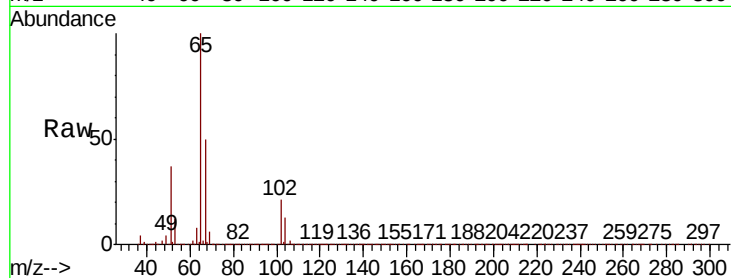
ClientSampleId :

Tot Ion: 65 Resp: 602222

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

250000

200000

150000

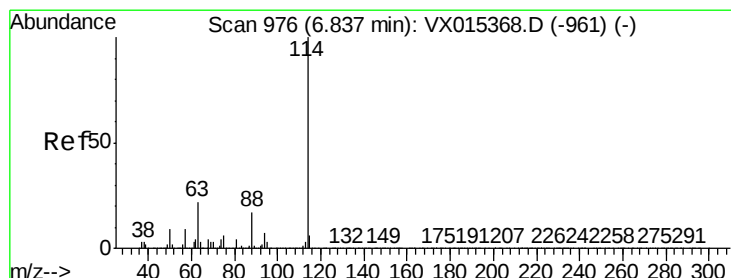
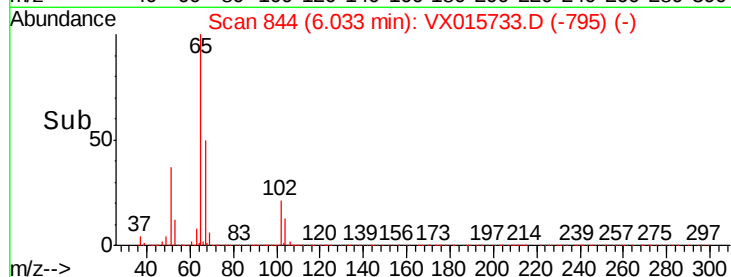
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

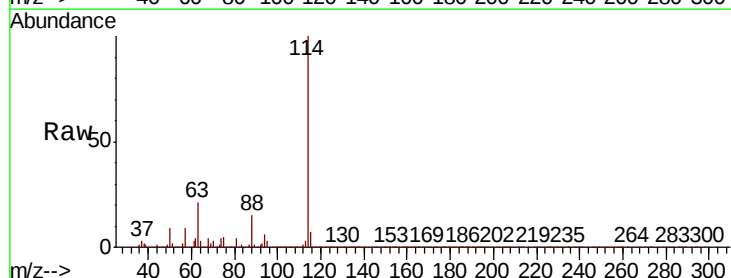
Tgt Ion: 114 Resp: 1589952

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

88 15.4 0.0 33.8



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

6.83

800000

600000

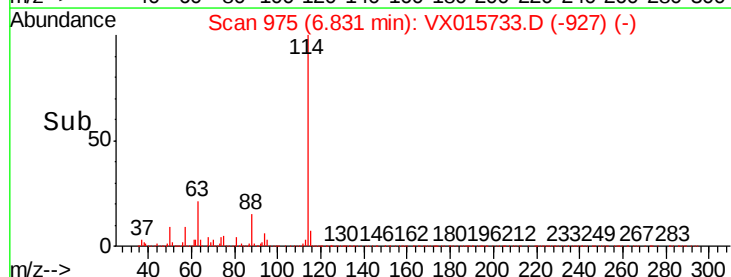
400000

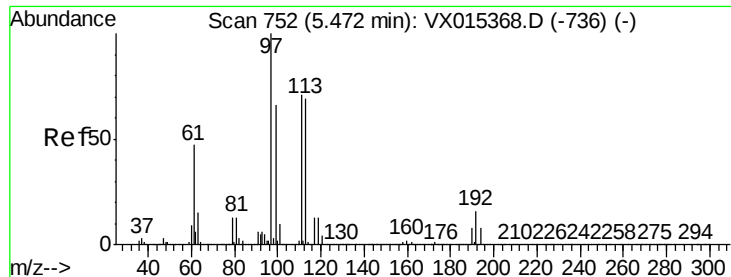
200000

0

Time-->

6.70 6.80 6.90 7.00

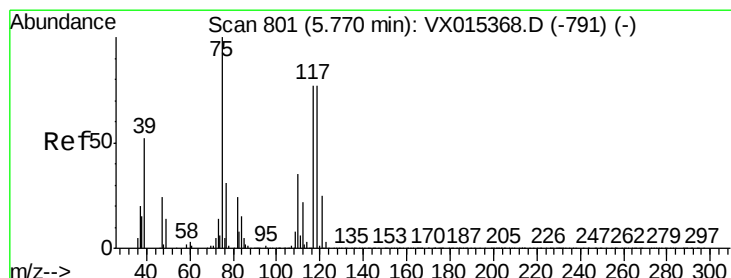
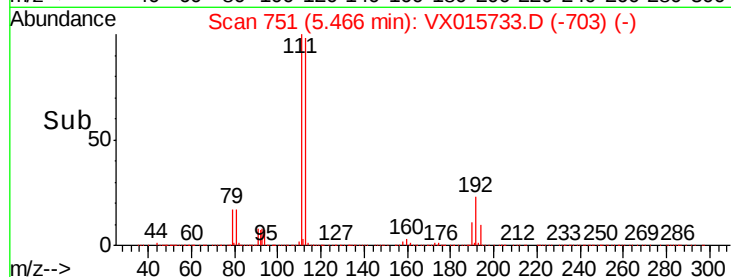
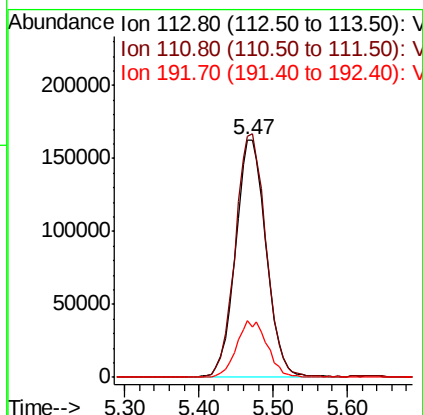
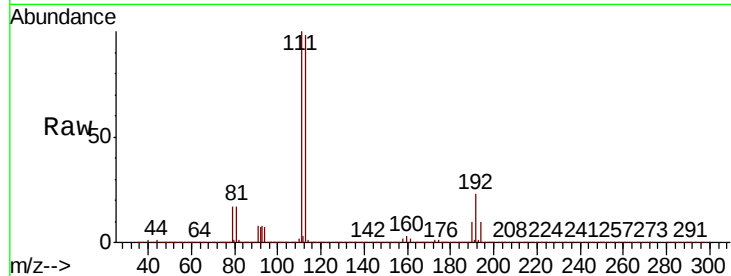




#35
Dibromofluoromethane
Concen: 46.081 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

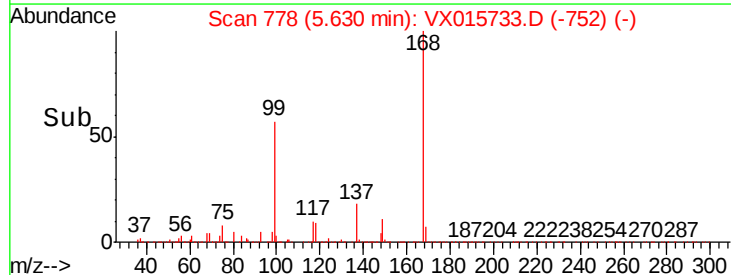
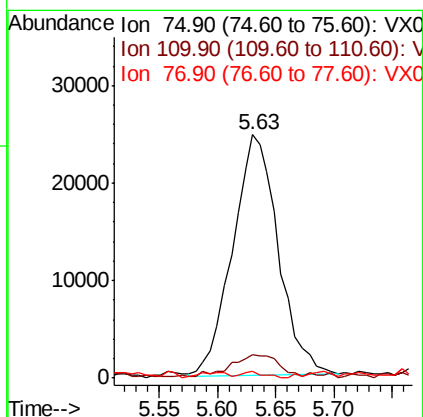
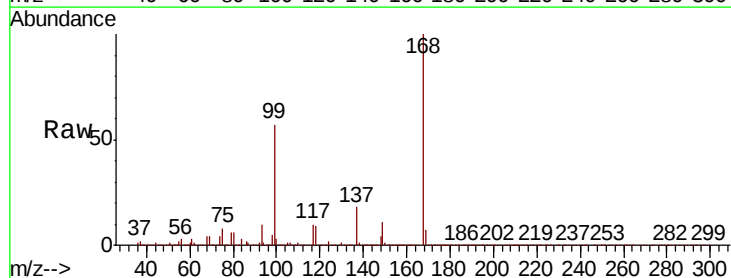
Instrument :
MSVOA_X
ClientSampleId :

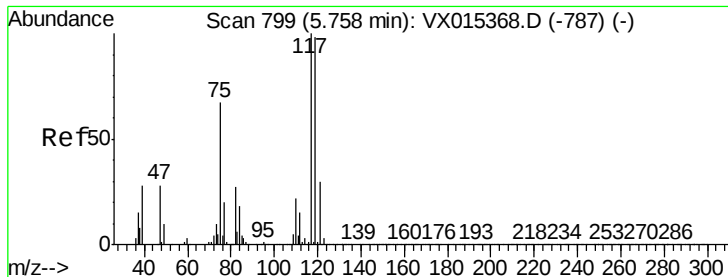
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.5	122.3
192	23.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.1	51.3#
77	1.4	24.6	36.8#

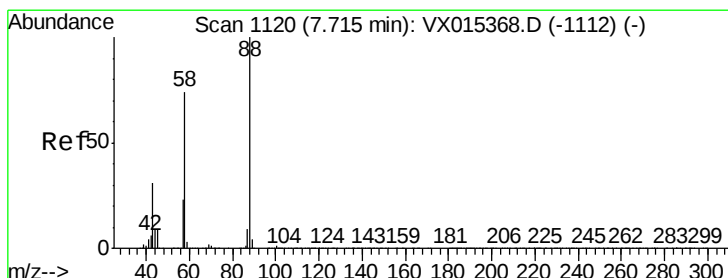
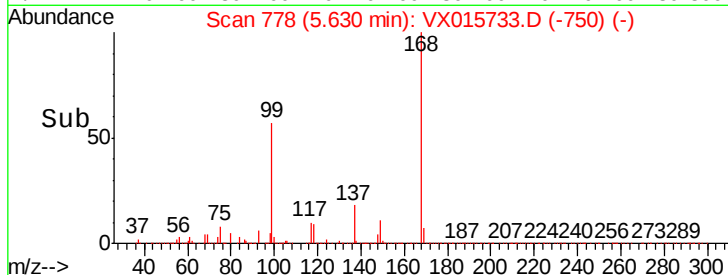
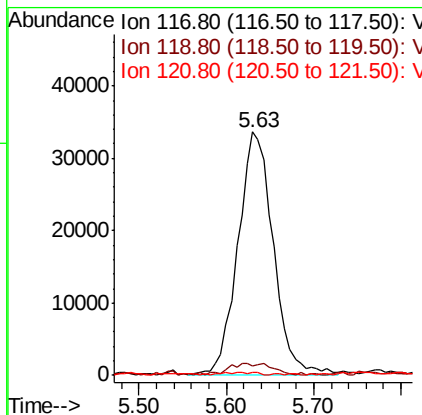
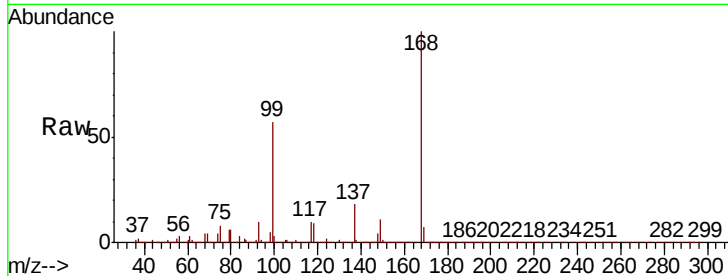




#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

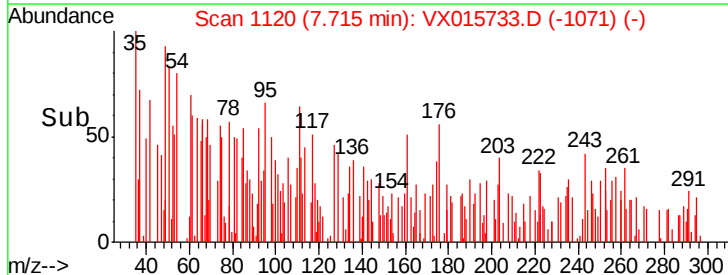
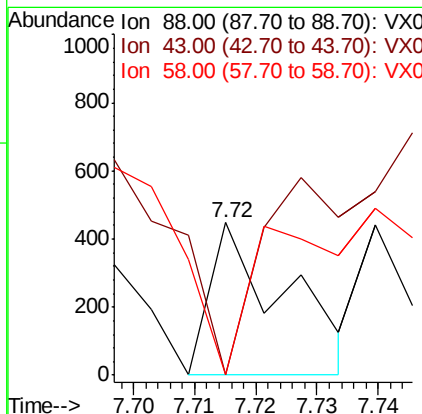
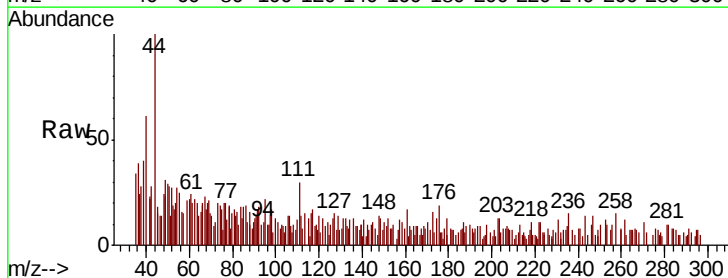
Instrument :
MSVOA_X
ClientSampleId :

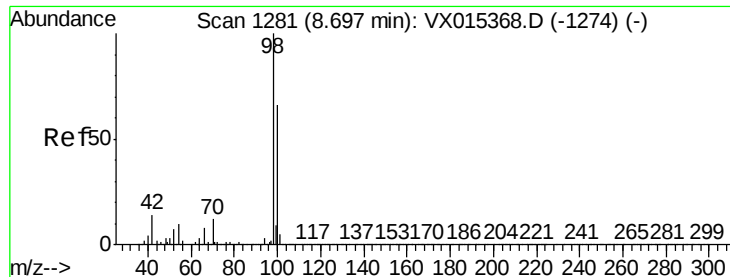
Tot Ion:117 Resp: 94737
Ion Ratio Lower Upper
117 100
119 3.1 78.0 117.0#
121 0.5 23.8 35.8#



#49
1,4-Dioxane
Concen: 1.280 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

Tgt Ion: 88 Resp: 384
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 49.404 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

Instrument :

MSVOA_X

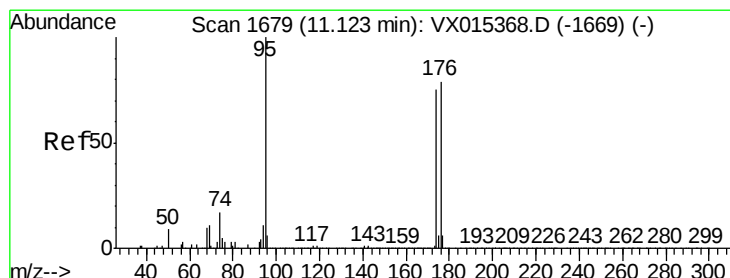
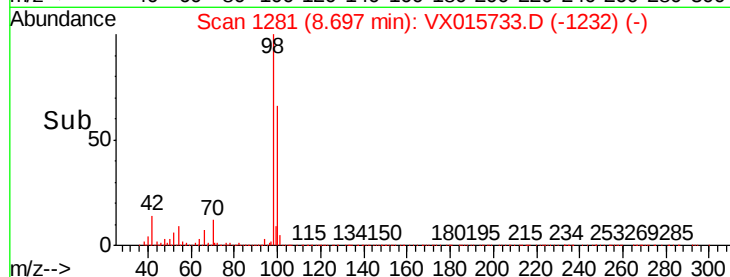
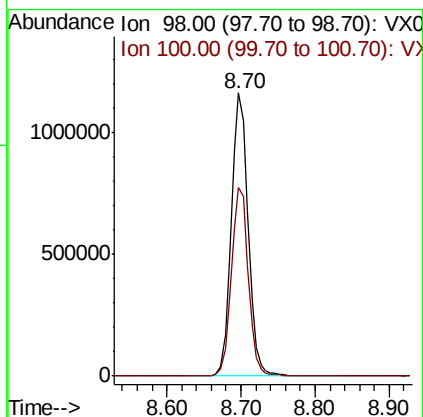
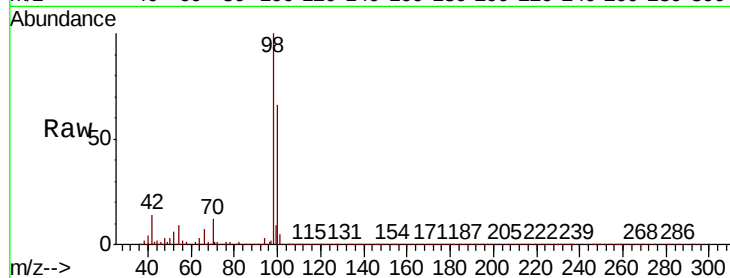
ClientSampleId :

Tot Ion: 98 Resp: 1848631

Ion Ratio Lower Upper

98 100

100 67.1 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 50.028 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

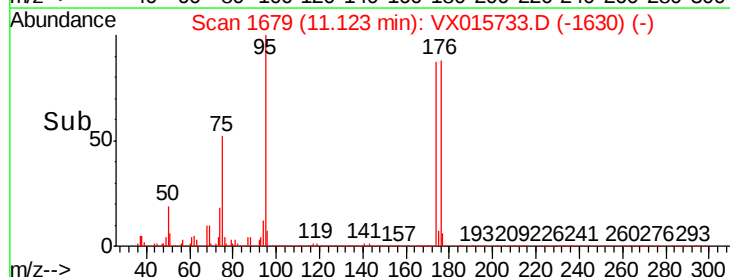
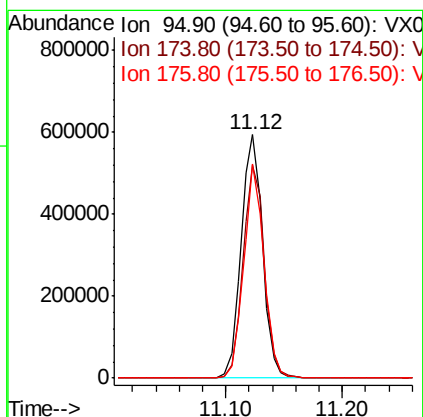
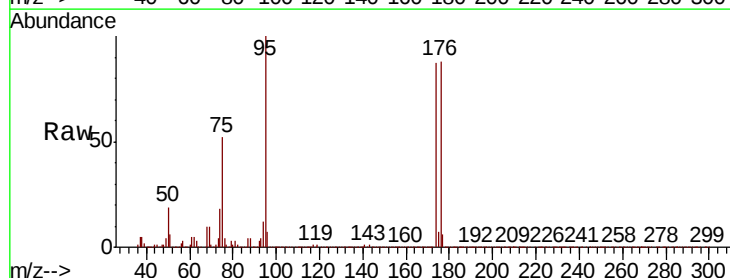
Tgt Ion: 95 Resp: 760780

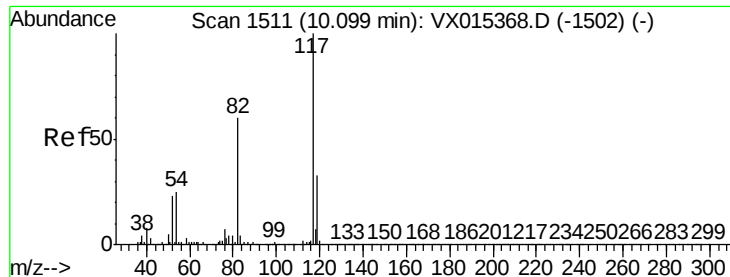
Ion Ratio Lower Upper

95 100

174 87.4 0.0 158.6

176 83.4 0.0 159.0

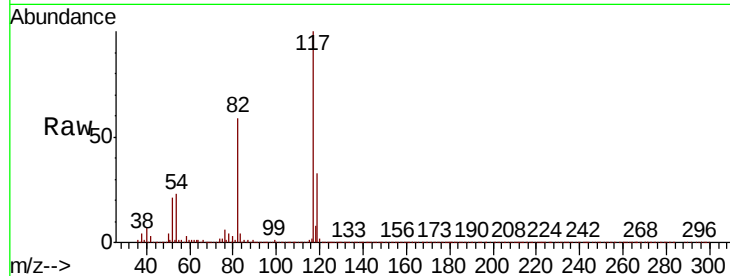




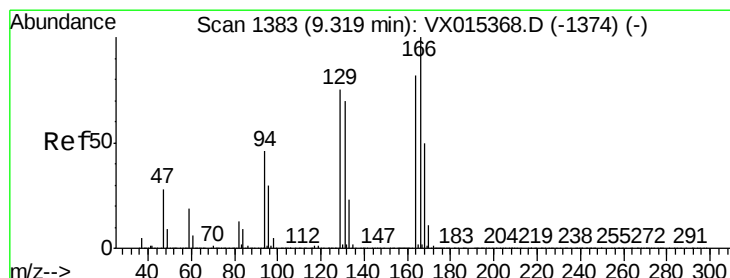
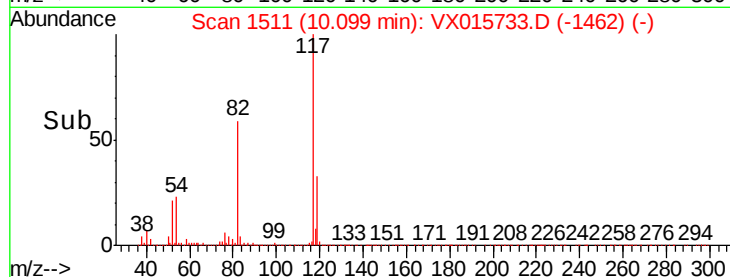
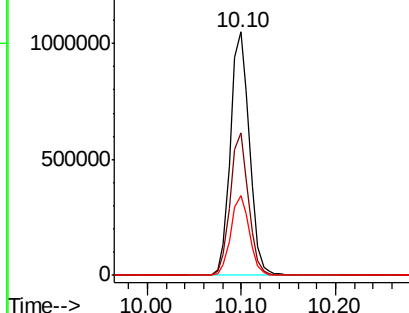
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 1465981
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 33.0 26.8 40.2

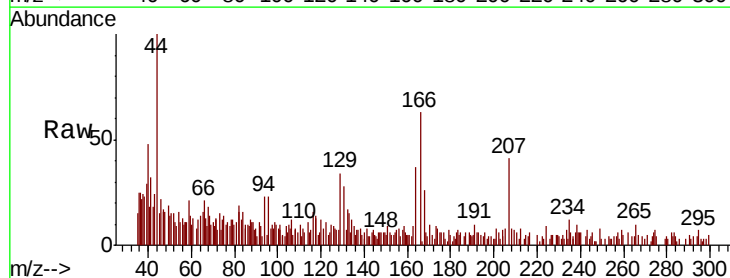


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

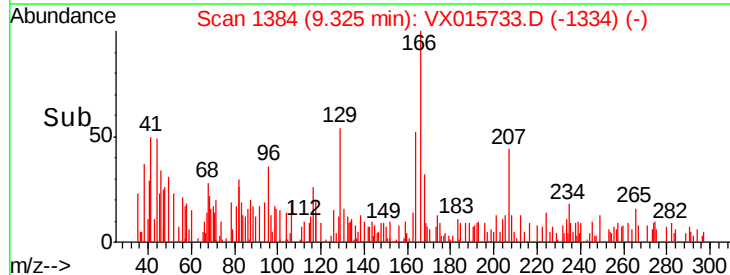
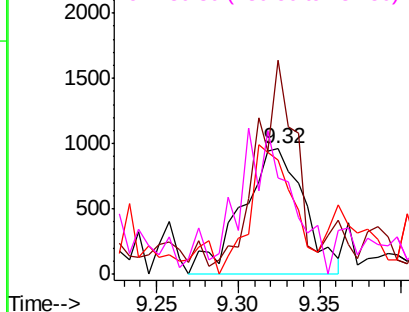


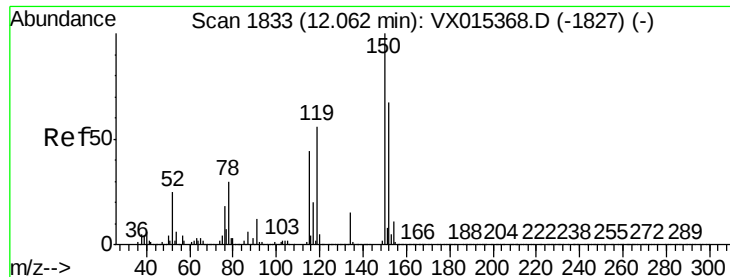
#64
Tetrachloroethene
Concen: 0.230 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015733.D
Acq: 17 Apr 2020 13:23

Tgt Ion:164 Resp: 2540
Ion Ratio Lower Upper
164 100
166 175.0 97.8 146.6#
129 87.3 73.0 109.4
131 48.5 68.6 103.0#



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: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

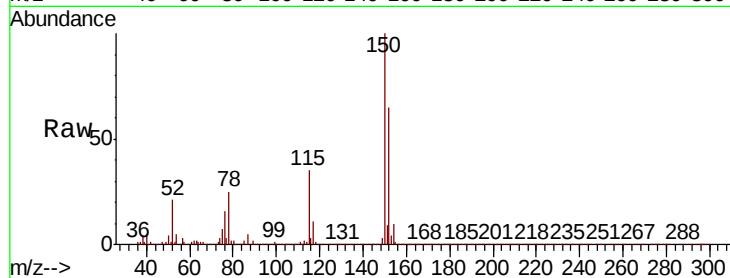
Tot Ion:152 Resp: 802429

Ion Ratio Lower Upper

152 100

115 54.7 39.0 116.9

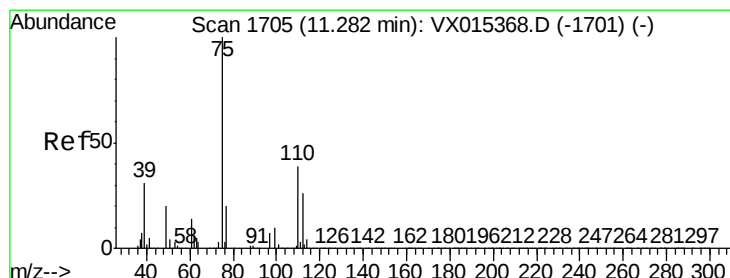
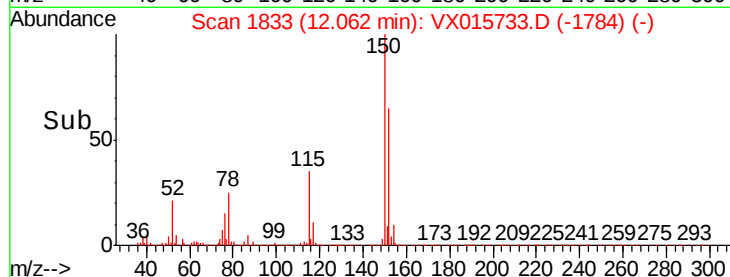
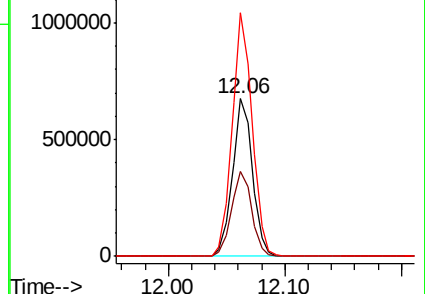
150 154.5 0.0 340.8



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: 23.370 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015733.D

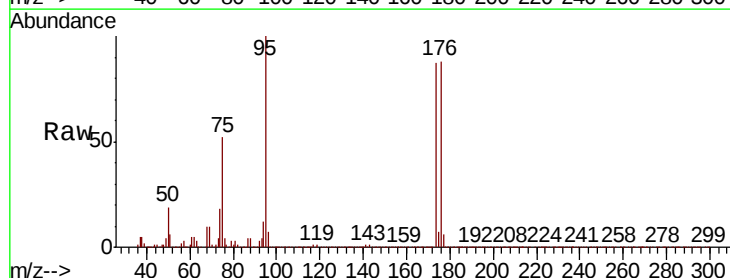
Acq: 17 Apr 2020 13:23

Tgt Ion: 75 Resp: 385636

Ion Ratio Lower Upper

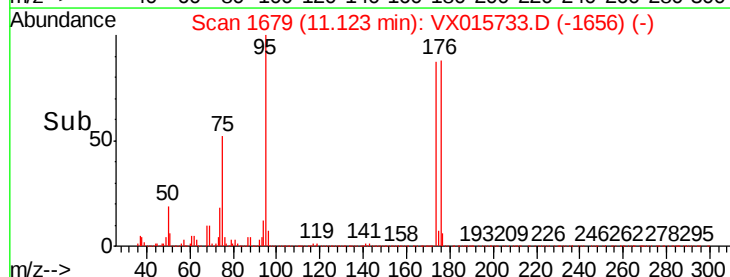
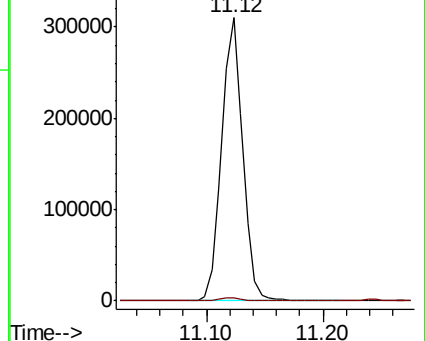
75 100

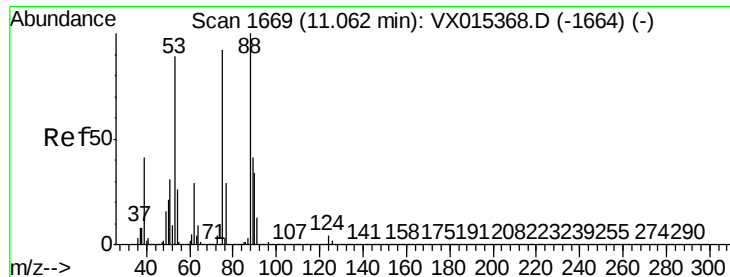
77 0.9 21.2 63.6#



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: 56.075 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

Instrument :

MSVOA_X

ClientSampleId :

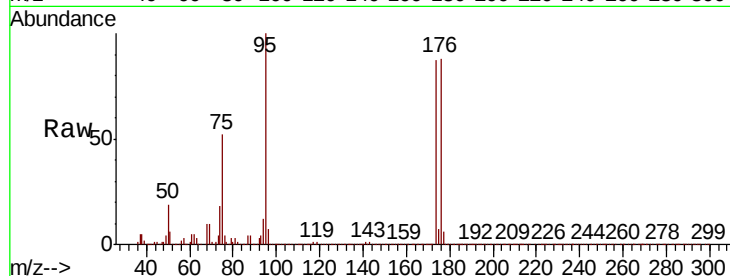
Tot Ion: 75 Resp: 385636

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

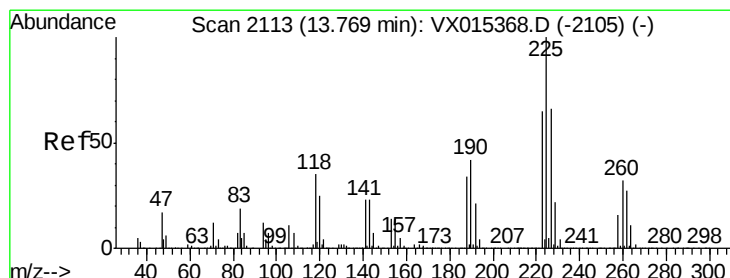
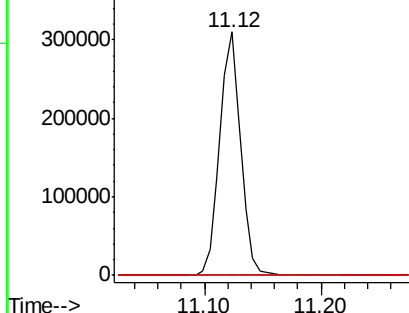
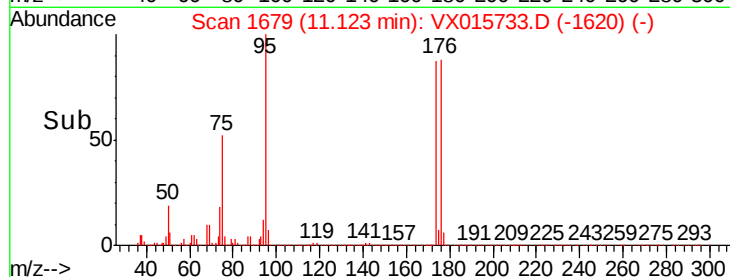
89 0.3 36.1 54.1#



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



#94

Hexachlorobutadiene

Concen: 0.277 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VX015733.D

Acq: 17 Apr 2020 13:23

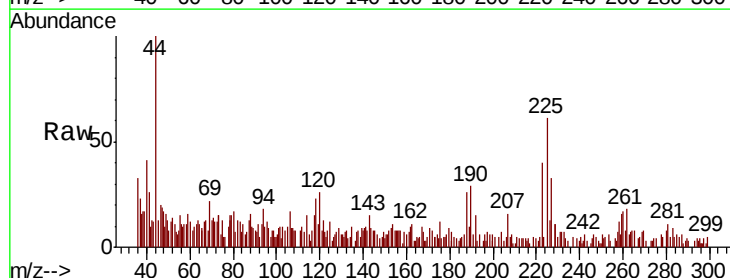
Tgt Ion: 225 Resp: 2565

Ion Ratio Lower Upper

225 100

223 73.4 31.9 95.7

227 87.9 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

