

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015630.D
 Acq On : 10 Apr 2020 18:34
 Operator : JC/SP
 Sample : L2190-16DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 00:34:59 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	1125595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1749908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1700499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	937780	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	712457	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
35) Dibromofluoromethane	5.47	113	549204	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.70	98	2106919	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.12	95	901888	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	

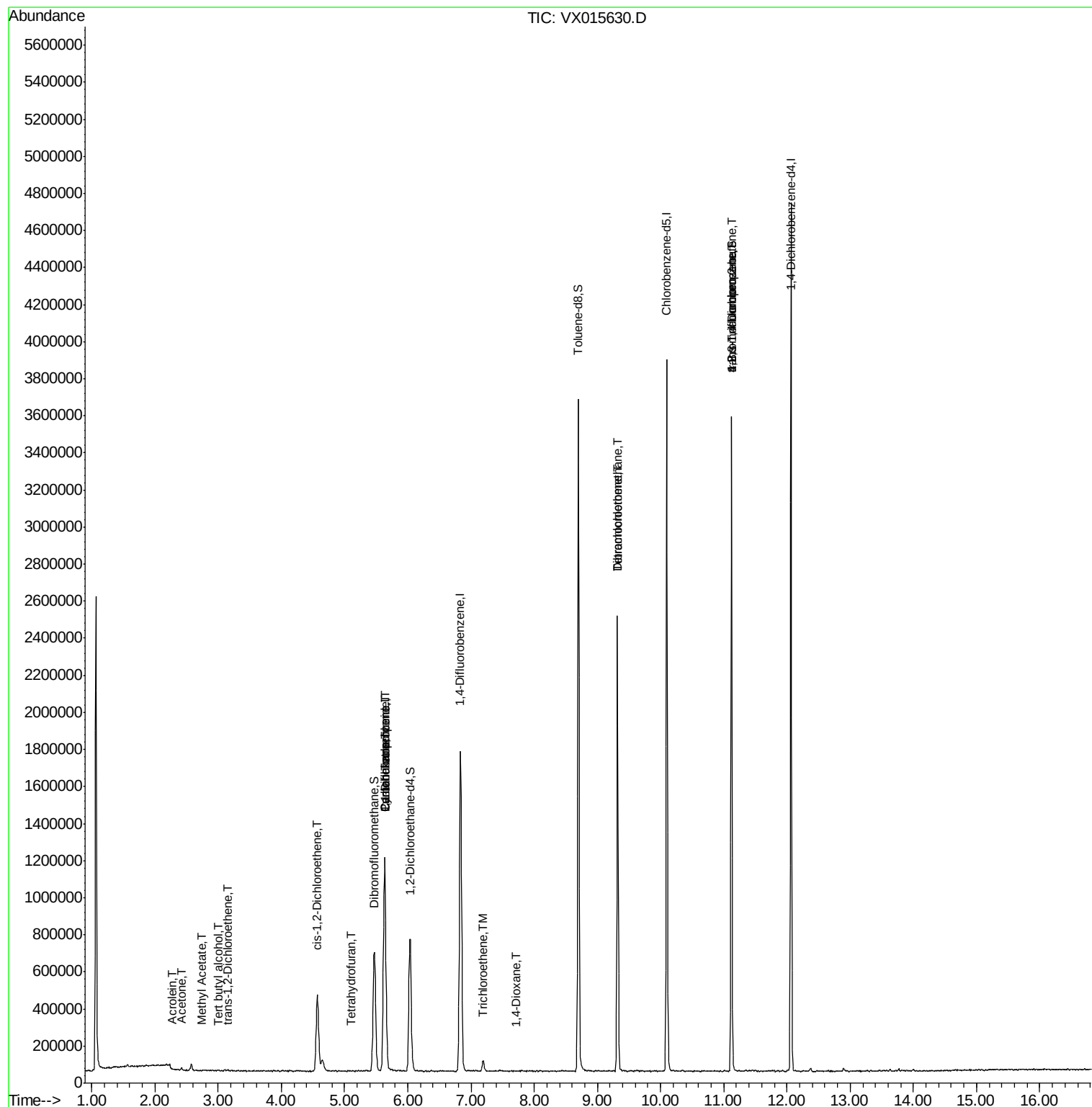
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	771	Below Cal	#	19
11) Tert butyl alcohol	3.00	59	2356	0.620	ug/l #	82
13) Acrolein	2.27	56	1619	0.748	ug/l #	51
16) Acetone	2.42	43	14582	2.138	ug/l	92
18) Methyl Acetate	2.75	43	4265	0.245	ug/l #	73
21) trans-1,2-Dichloroethene	3.15	96	3186	0.270	ug/l	81
27) cis-1,2-Dichloroethene	4.57	96	257719	18.888	ug/l	91
29) Tetrahydrofuran	5.11	42	2872	0.407	ug/l #	65
31) Cyclohexane	5.64	56	23284	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	82136	5.094	ug/l #	53
38) Carbon Tetrachloride	5.64	117	105334	6.032	ug/l #	15
44) Trichloroethene	7.19	130	24128	1.873	ug/l	92
49) 1,4-Dioxane	7.70	88	446	1.351	ug/l #	67
60) Dibromochloromethane	9.32	129	441293	30.783	ug/l #	12
64) Tetrachloroethene	9.32	164	488059	38.031	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	462796	23.998	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	462796	57.582	ug/l #	10

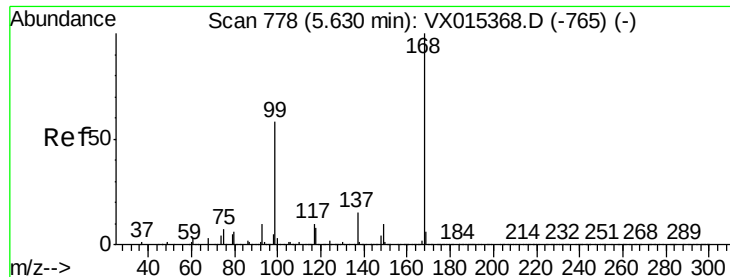
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015630.D

Acq: 10 Apr 2020 18:34

Instrument :

MSVOA_X

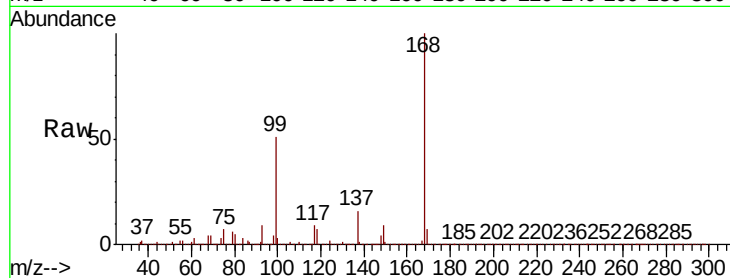
ClientSampleId :

Tot Ion:168 Resp: 112595

Ion Ratio Lower Upper

168 100

99 51.0 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

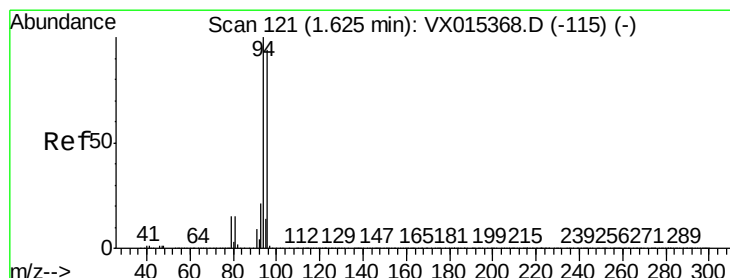
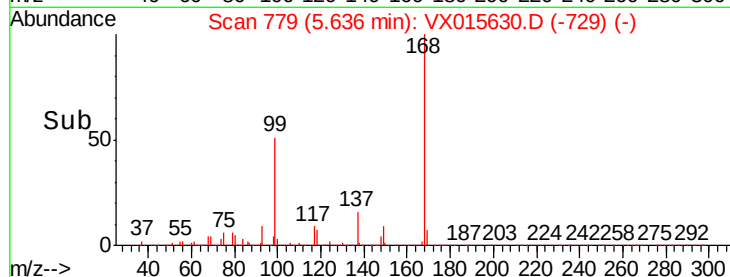
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015630.D

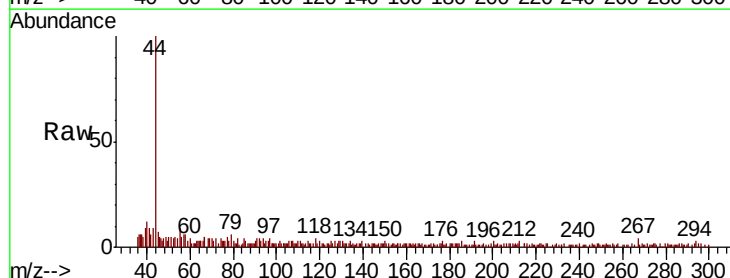
Acq: 10 Apr 2020 18:34

Tgt Ion: 94 Resp: 771

Ion Ratio Lower Upper

94 100

96 15.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

1000

800

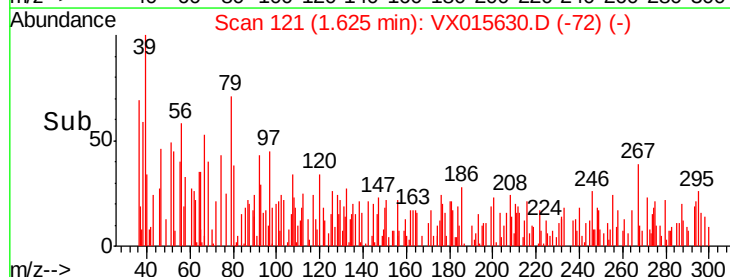
600

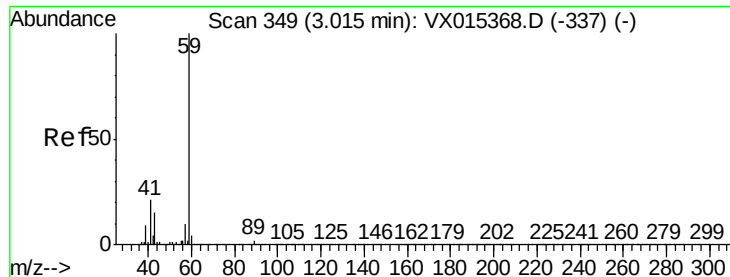
400

200

0

Time-->



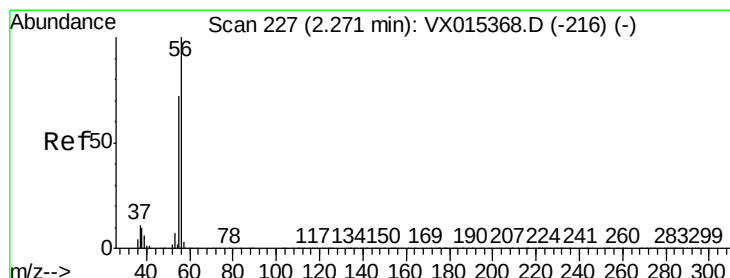
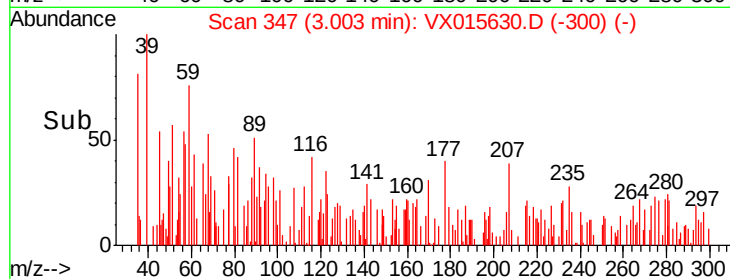
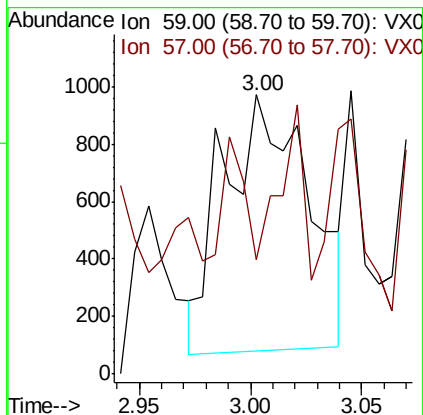
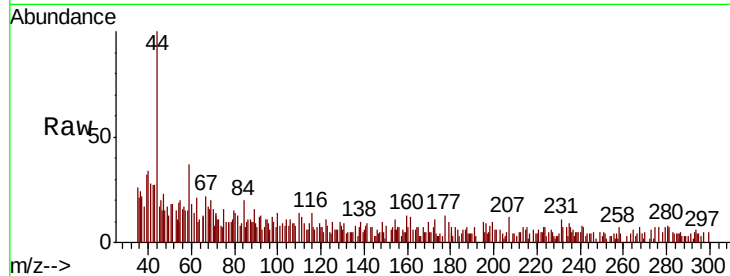


#11

Tert butyl alcohol
Concen: 0.620 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

Instrument :
MSVOA_X
ClientSampled :

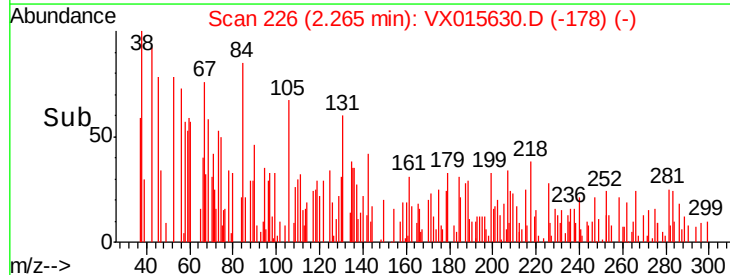
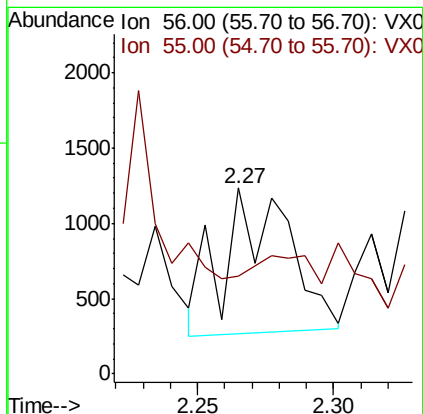
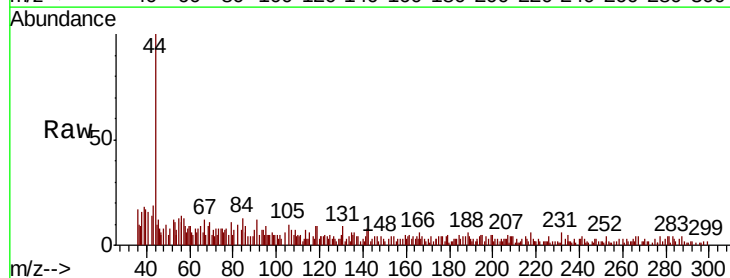
Tot Ion: 59 Resp: 2356
Ion Ratio Lower Upper
59 100
57 16.7 8.1 12.1#

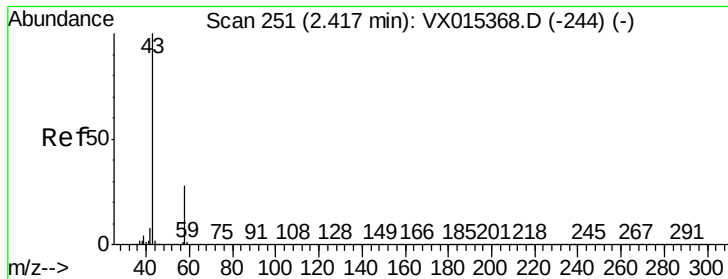


#13

Acrolein
Concen: 0.748 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

Tgt Ion: 56 Resp: 1619
Ion Ratio Lower Upper
56 100
55 30.9 57.0 85.4#

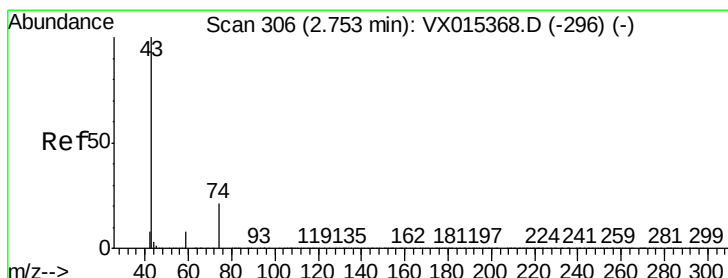
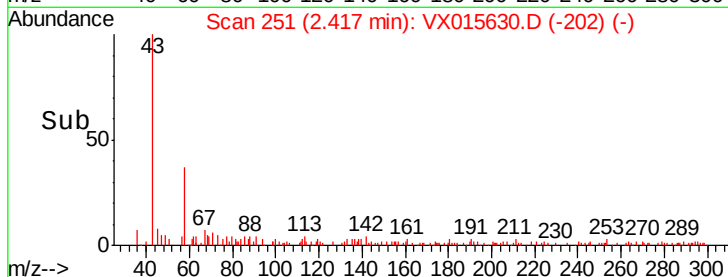
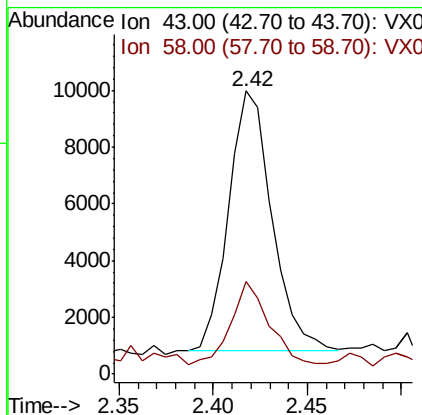
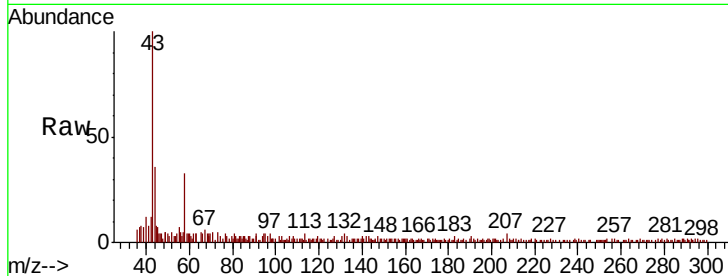




#16
Acetone
Concen: 2.138 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

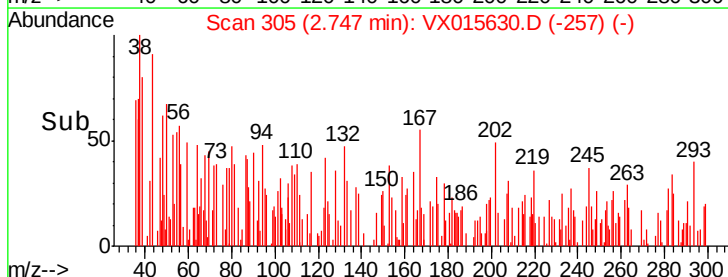
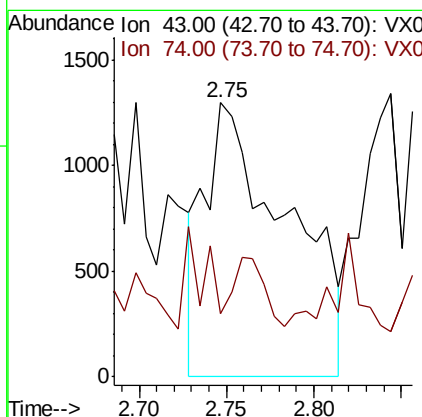
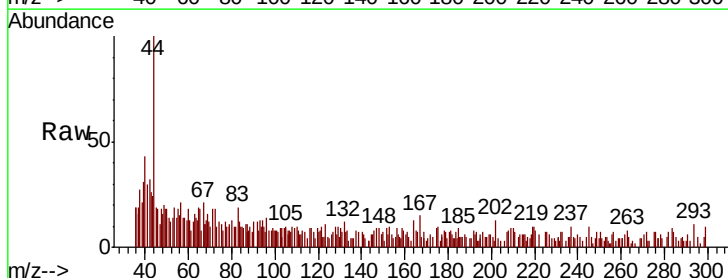
Instrument :
MSVOA_X
ClientSampled :

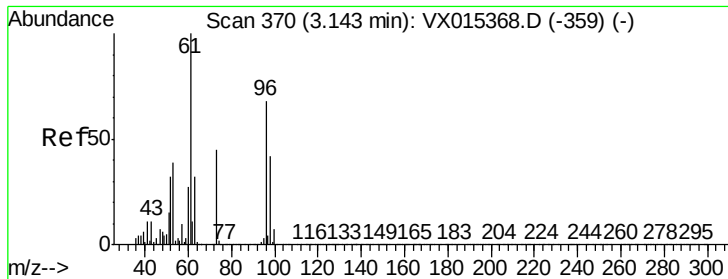
Tot Ion: 43 Resp: 14582
Ion Ratio Lower Upper
43 100
58 32.0 22.1 33.1



#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

Tgt Ion: 43 Resp: 4265
Ion Ratio Lower Upper
43 100
74 8.1 16.5 24.7#





#21

trans-1,2-Dichloroethene

Concen: 0.270 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015630.D

Acq: 10 Apr 2020 18:34

Instrument :
MSVOA_X
ClientSampleId :

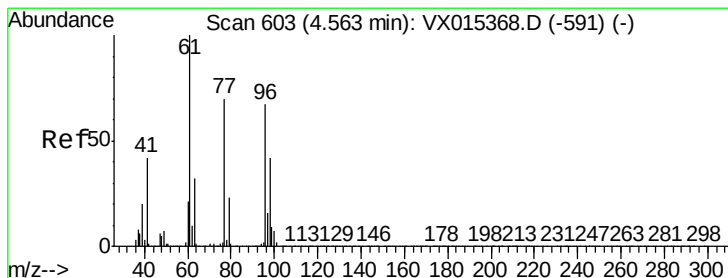
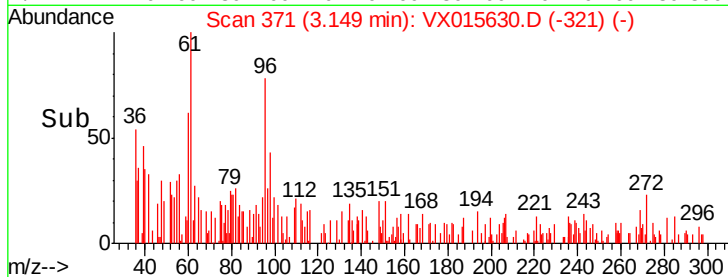
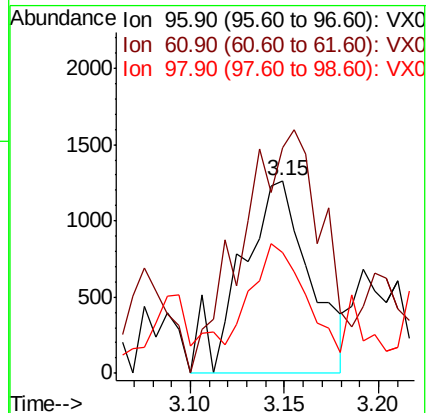
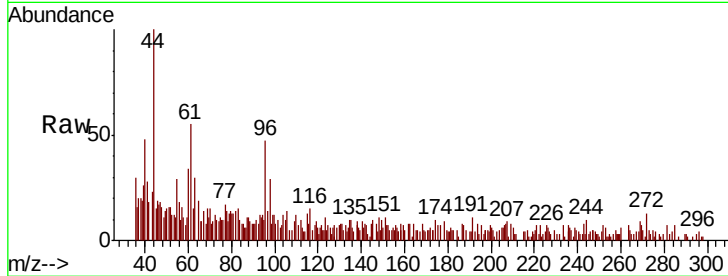
Tot Ion: 96 Resp: 3186

Ion Ratio Lower Upper

96 100

61 117.3 116.9 175.3

98 52.4 48.6 73.0



#27

cis-1,2-Dichloroethene

Concen: 18.888 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015630.D

Acq: 10 Apr 2020 18:34

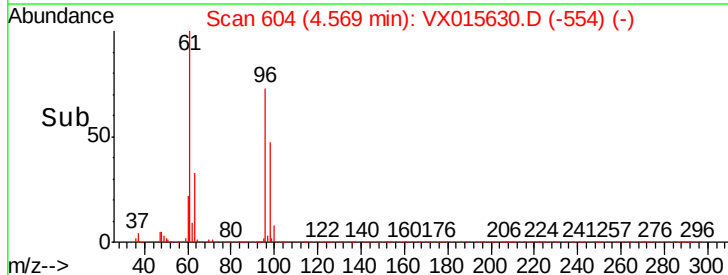
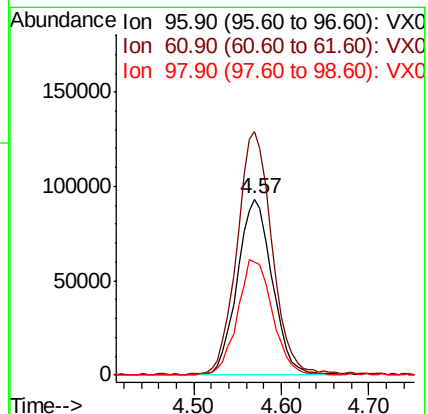
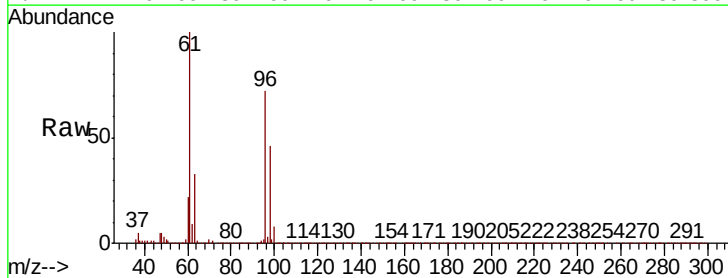
Tgt Ion: 96 Resp: 257719

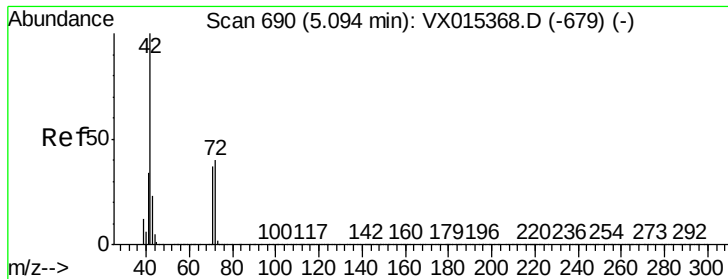
Ion Ratio Lower Upper

96 100

61 138.9 0.0 308.4

98 65.7 0.0 129.2

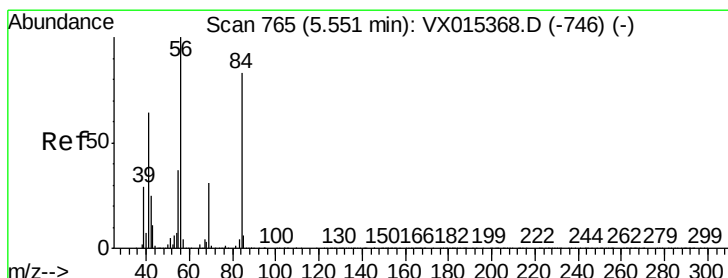
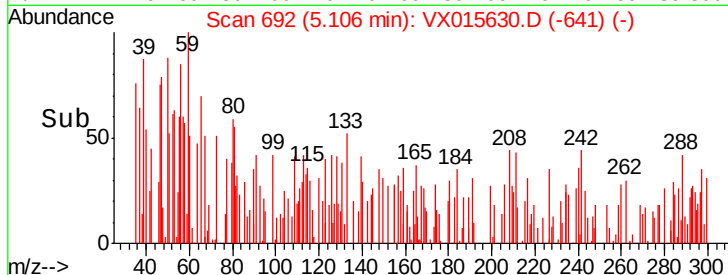
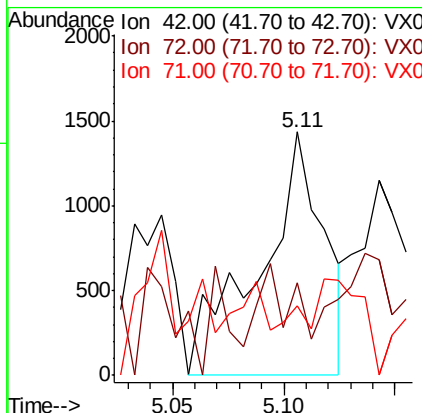
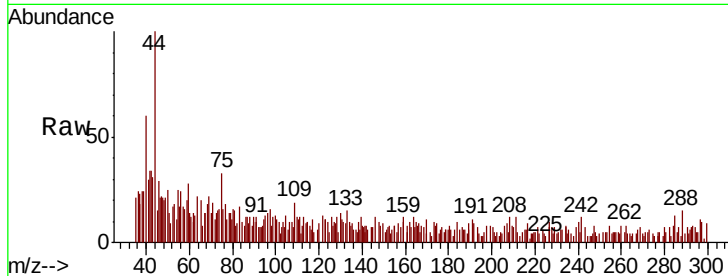




#29
Tetrahydrofuran
Concen: 0.407 ug/l
RT: 5.11 min Scan# 692
Delta R.T. 0.01 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

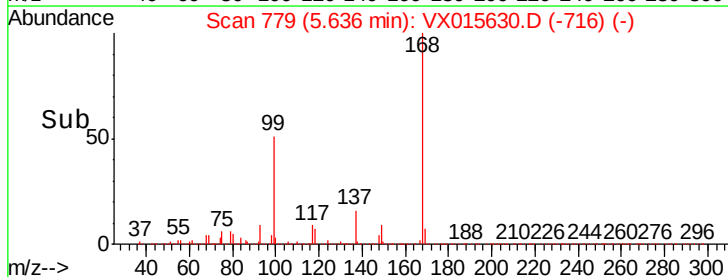
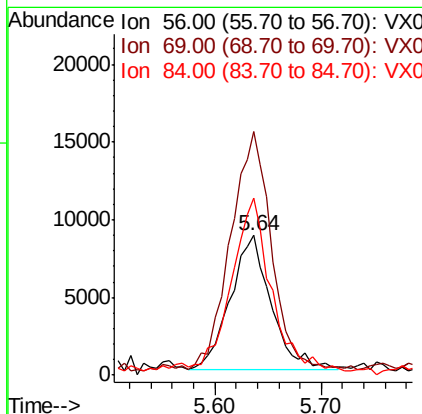
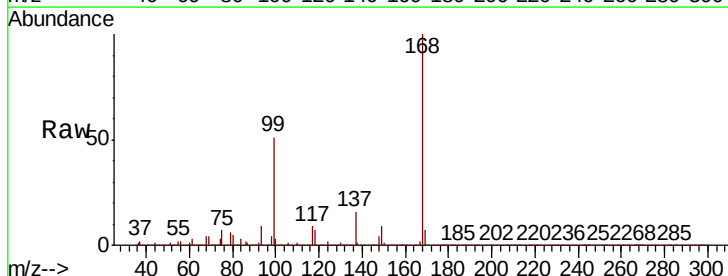
Instrument :
MSVOA_X
ClientSampled :

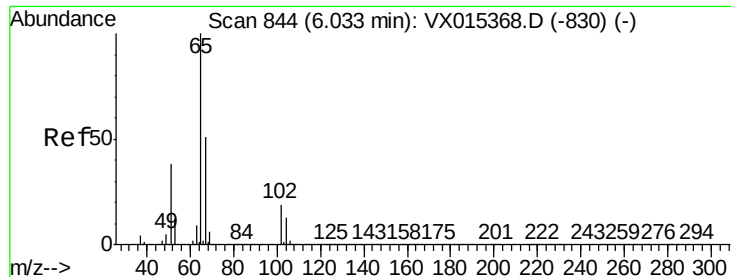
Tot Ion: 42 Resp: 2872
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 35.0 29.6 44.4



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

Tgt Ion: 56 Resp: 23284
Ion Ratio Lower Upper
56 100
69 176.6 24.6 36.8#
84 126.9 66.1 99.1#

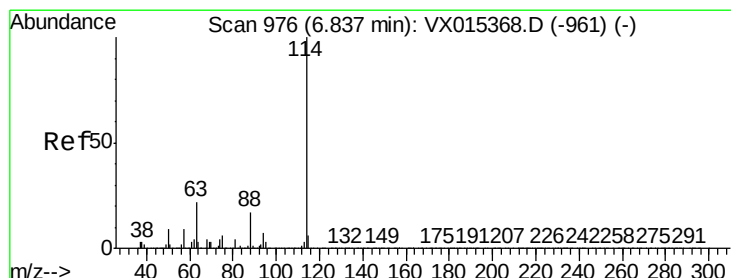
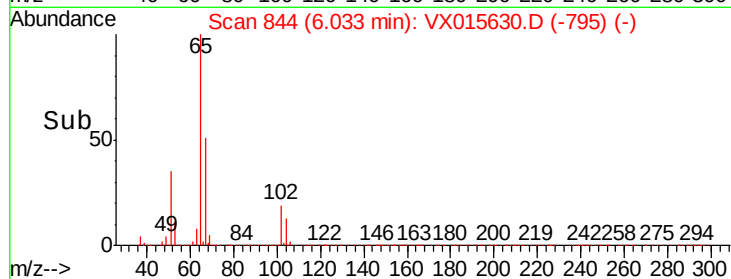
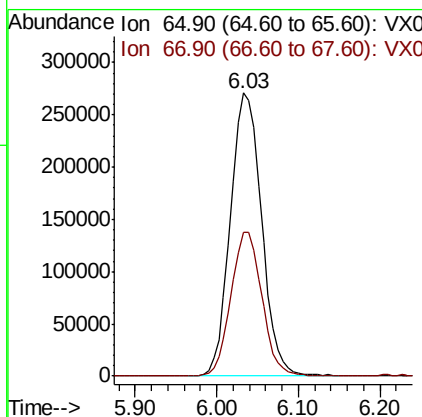
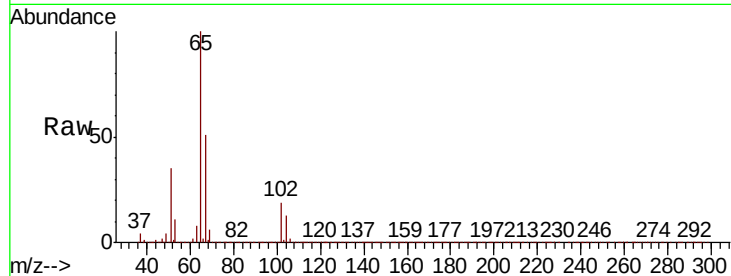




#33
 1,2-Dichloroethane-d4
 Concen: 44.878 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015630.D
 Acq: 10 Apr 2020 18:34

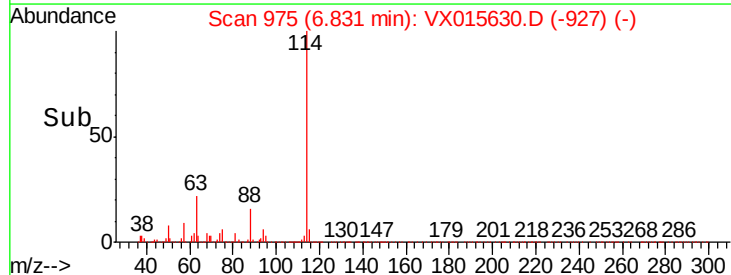
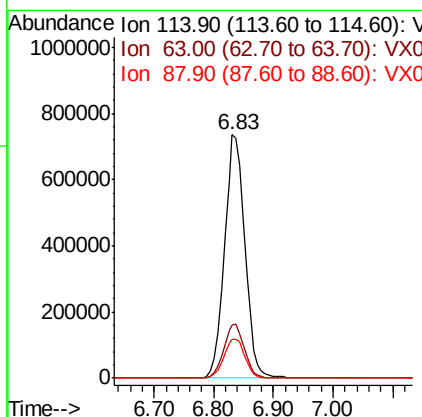
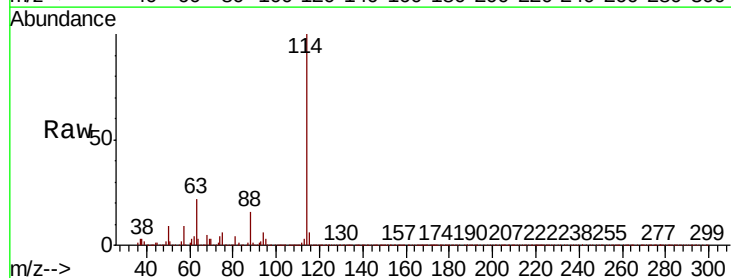
Instrument :
 MSVOA_X
 ClientSampleId :

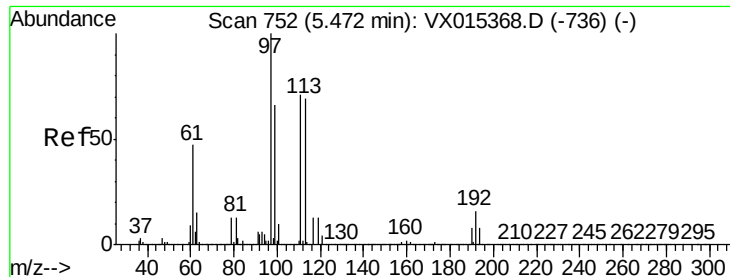
Tot Ion: 65 Resp: 712457
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015630.D
 Acq: 10 Apr 2020 18:34

Tgt Ion: 114 Resp: 1749908
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 15.9 0.0 33.8

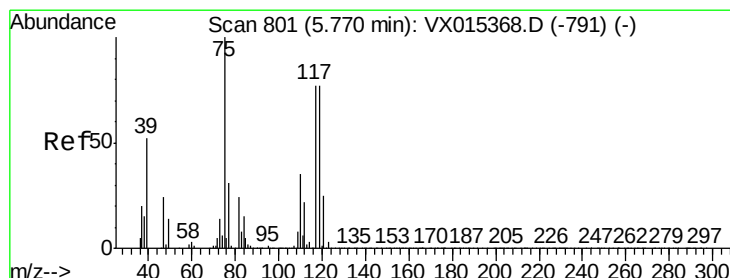
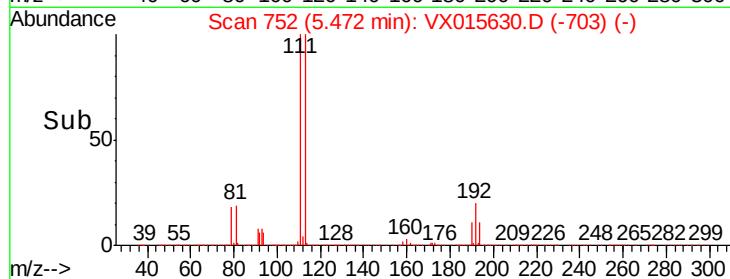
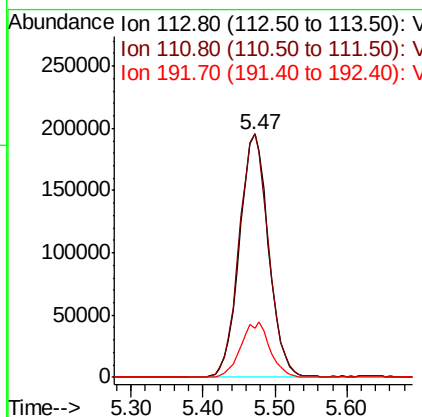
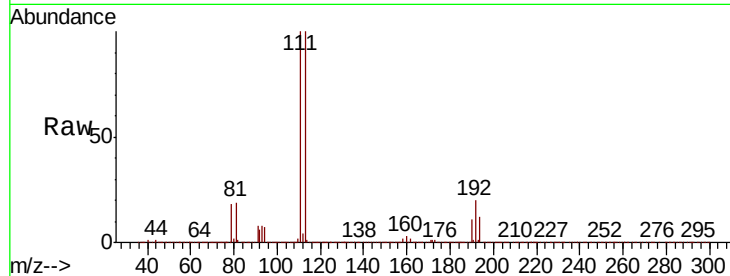




#35
 Dibromofluoromethane
 Concen: 49.098 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015630.D
 Acq: 10 Apr 2020 18:34

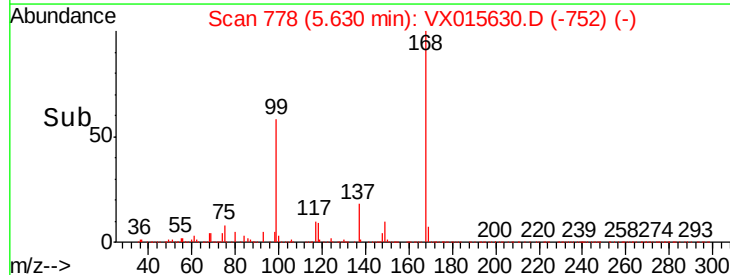
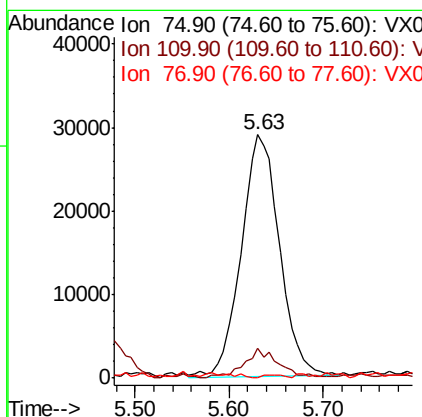
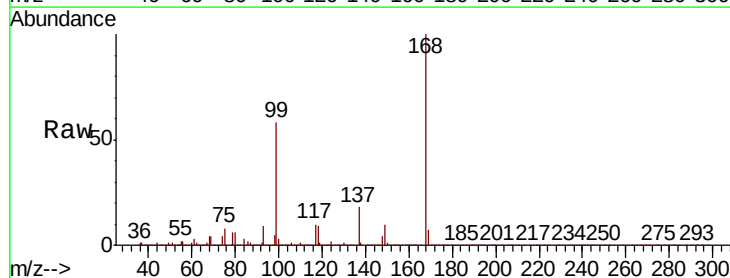
Instrument :
 MSVOA_X
 ClientSampled :

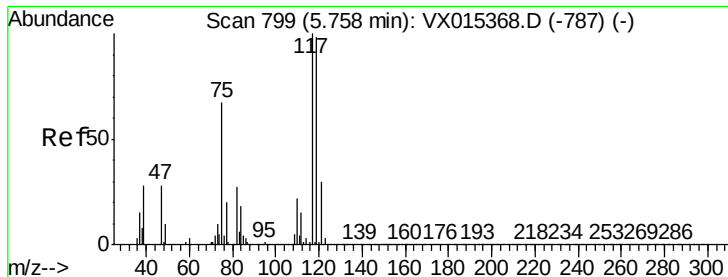
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.5	122.3
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015630.D
 Acq: 10 Apr 2020 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.3#
77	0.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.032 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015630.D

Acq: 10 Apr 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

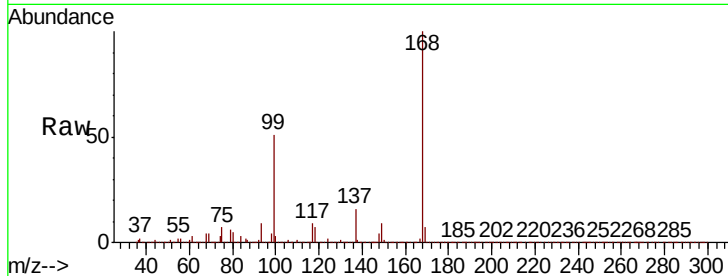
Tot Ion:117 Resp: 105334

Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

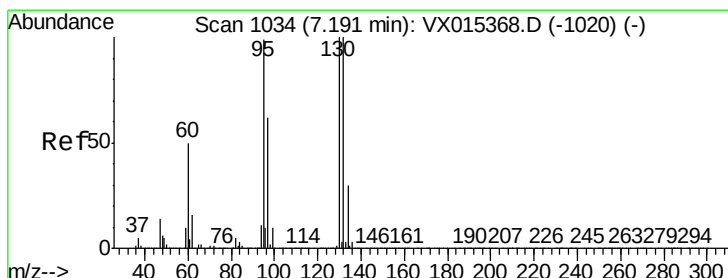
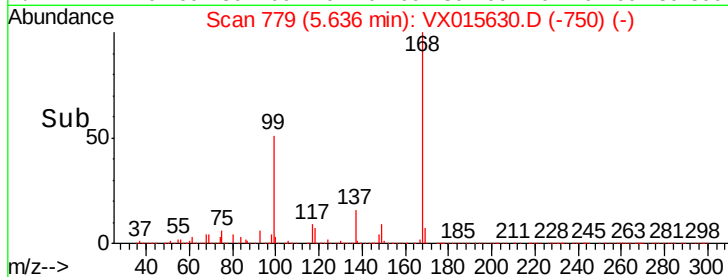
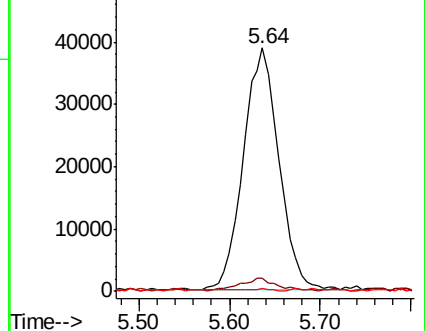
121 0.5 23.8 35.8#



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



#44

Trichloroethene

Concen: 1.873 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015630.D

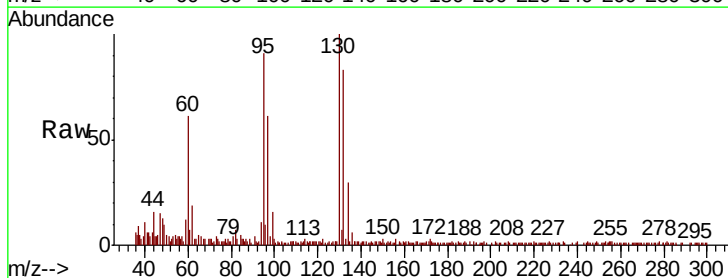
Acq: 10 Apr 2020 18:34

Tgt Ion:130 Resp: 24128

Ion Ratio Lower Upper

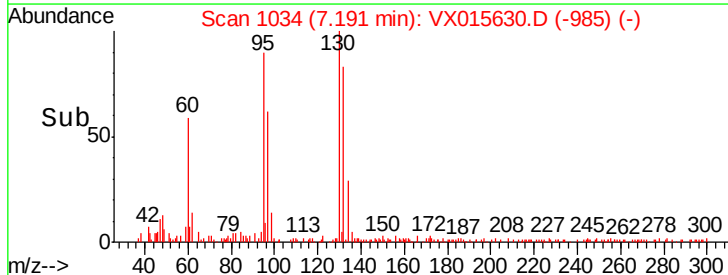
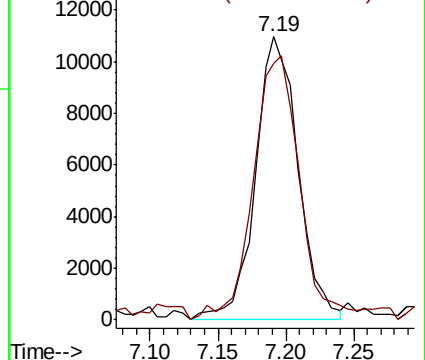
130 100

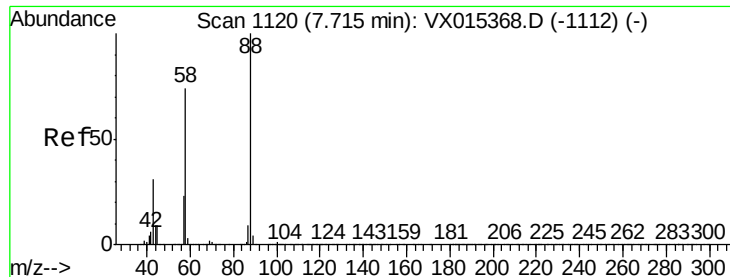
95 92.0 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.351 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VX015630.D

Acq: 10 Apr 2020 18:34

Instrument :
MSVOA_X
ClientSampleId :

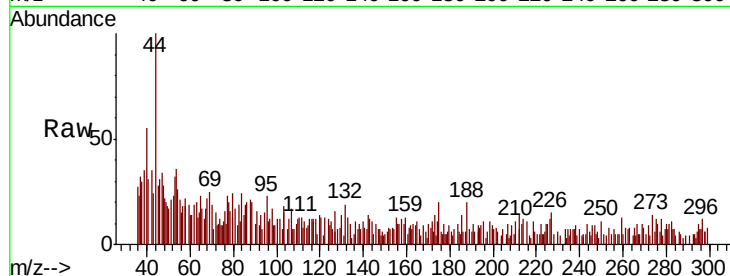
Tot Ion: 88 Resp: 446

Ion Ratio Lower Upper

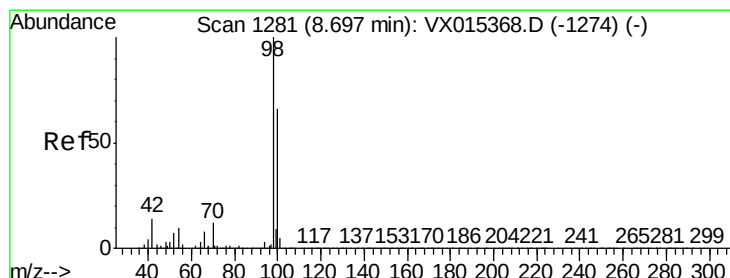
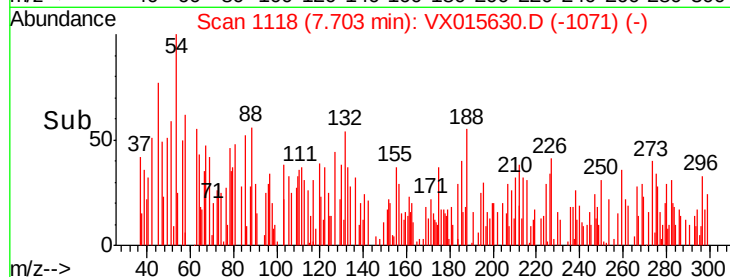
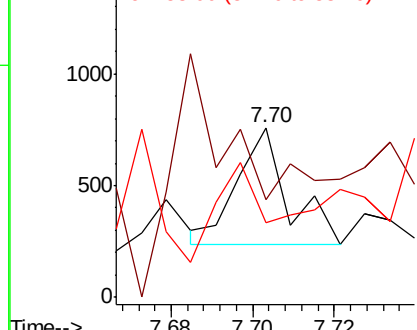
88 100

43 0.0 30.1 45.1#

58 91.7 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: 51.159 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015630.D

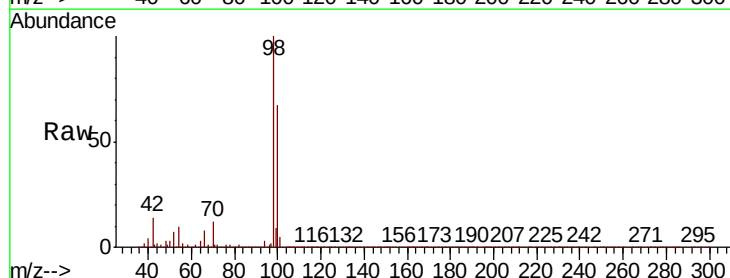
Acq: 10 Apr 2020 18:34

Tgt Ion: 98 Resp: 2106919

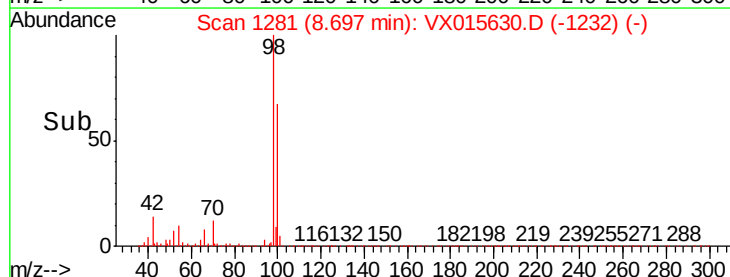
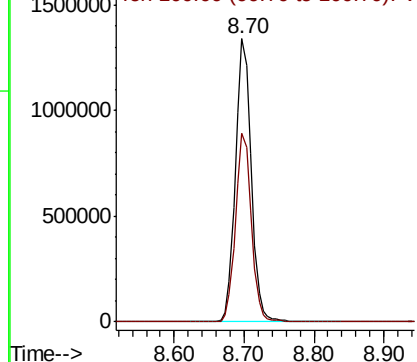
Ion Ratio Lower Upper

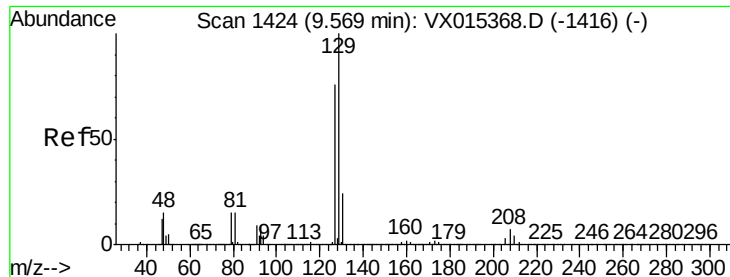
98 100

100 66.9 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 30.783 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015630.D

Acq: 10 Apr 2020 18:34

Instrument :

MSVOA_X

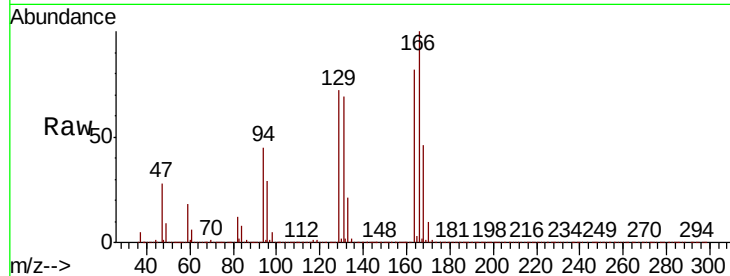
ClientSampleId :

Tot Ion:129 Resp: 441293

Ion Ratio Lower Upper

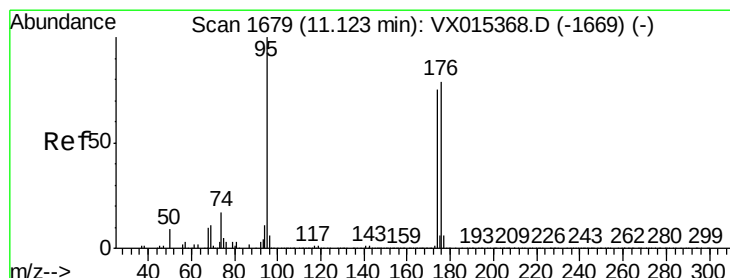
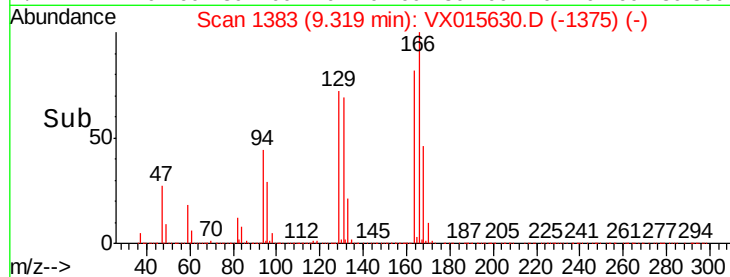
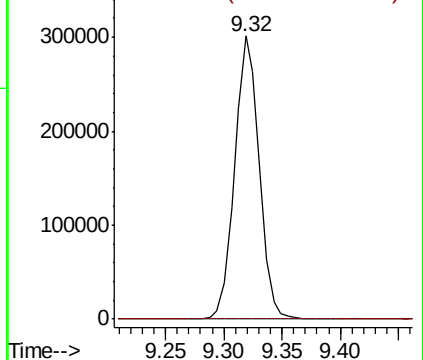
129 100

127 0.3 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 53.886 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015630.D

Acq: 10 Apr 2020 18:34

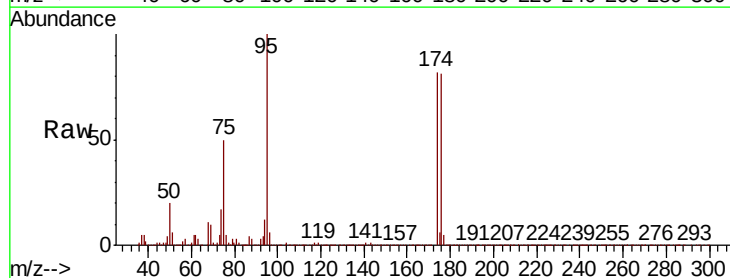
Tgt Ion: 95 Resp: 901888

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.6

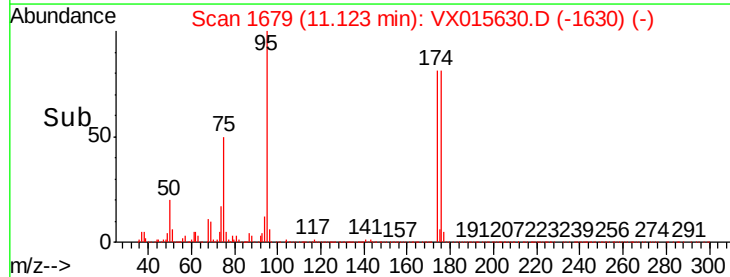
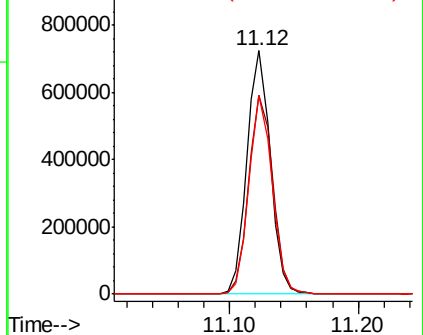
176 81.0 0.0 159.0

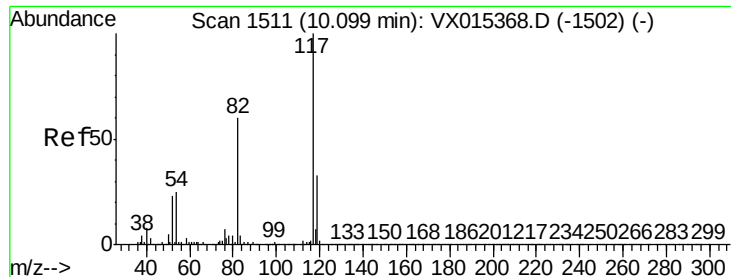


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

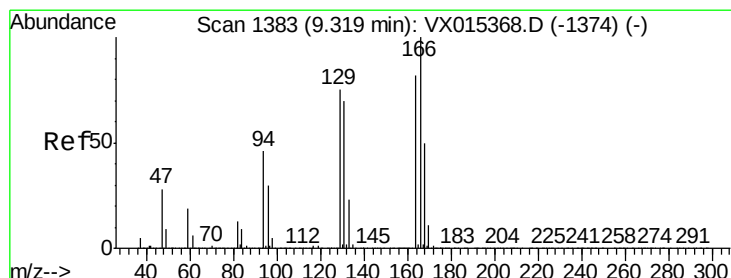
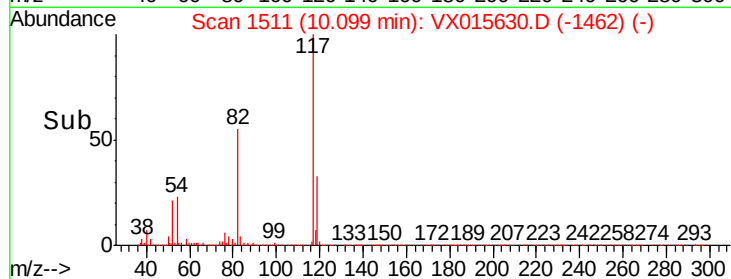
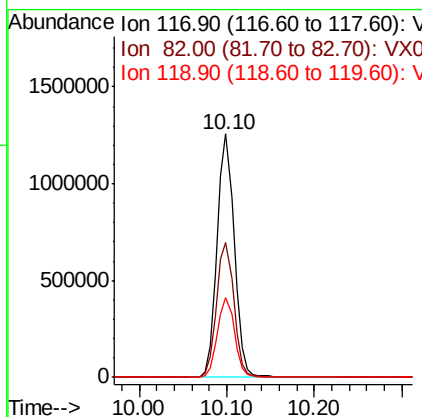
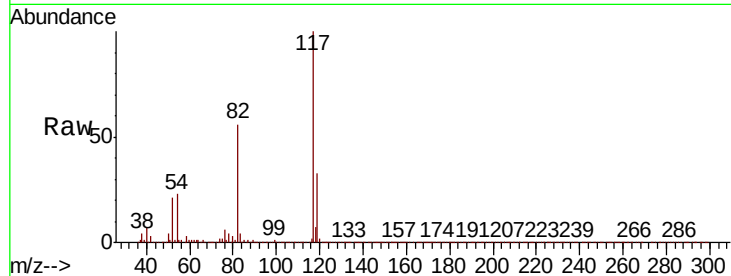




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

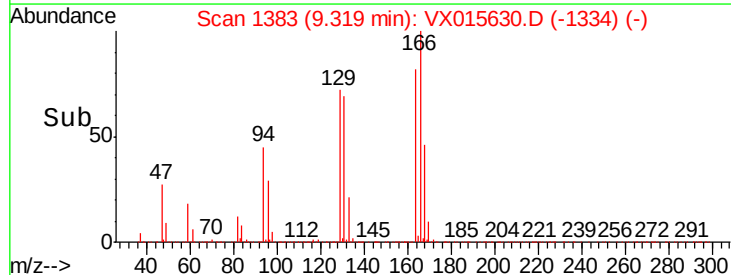
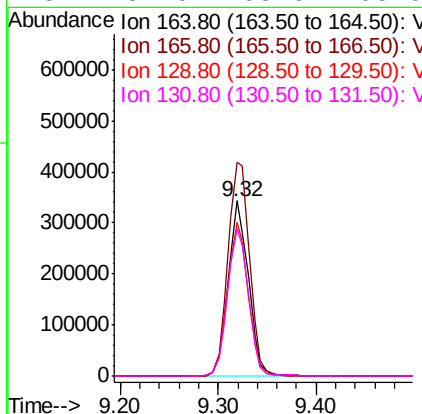
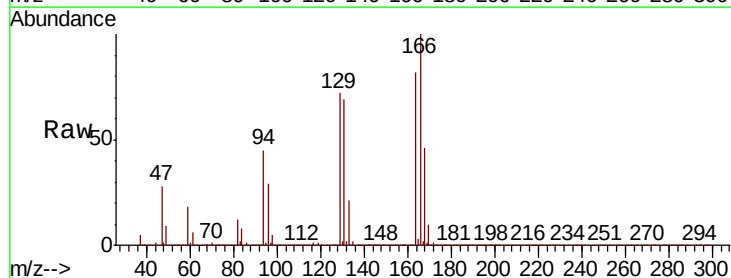
Instrument :
MSVOA_X
ClientSampleId :

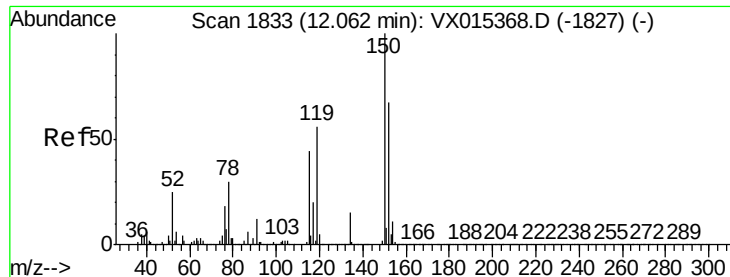
Tot Ion:117 Resp: 1700499
Ion Ratio Lower Upper
117 100
82 55.5 47.8 71.8
119 32.8 26.8 40.2



#64
Tetrachloroethene
Concen: 38.031 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

Tgt Ion:164 Resp: 488059
Ion Ratio Lower Upper
164 100
166 121.9 97.8 146.6
129 87.8 73.0 109.4
131 84.0 68.6 103.0

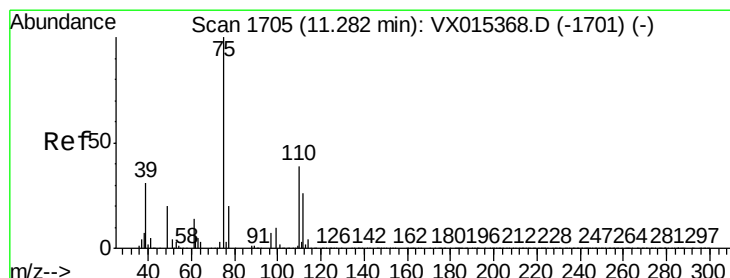
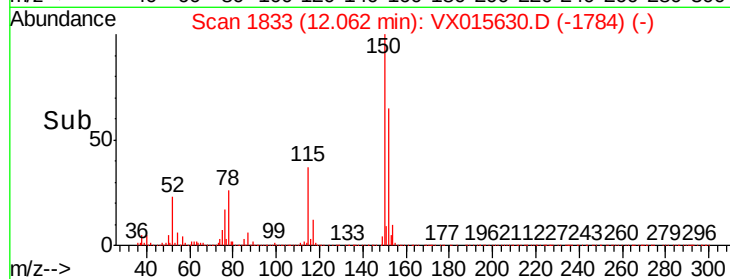
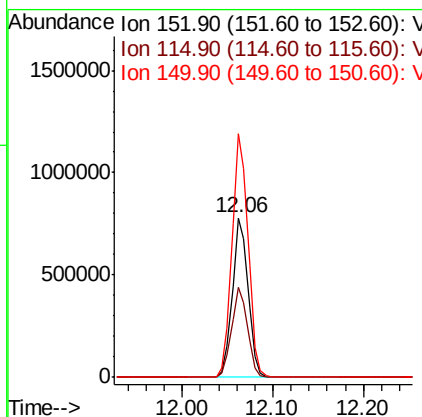
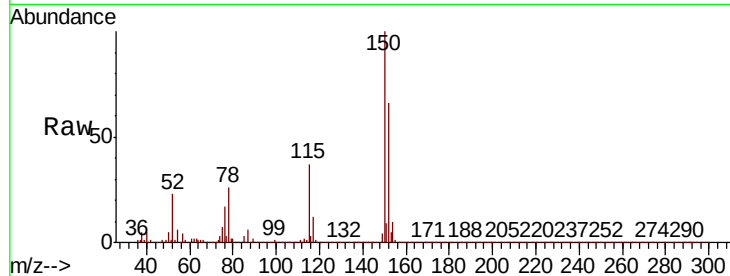




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX015630.D
 Acq: 10 Apr 2020 18:34

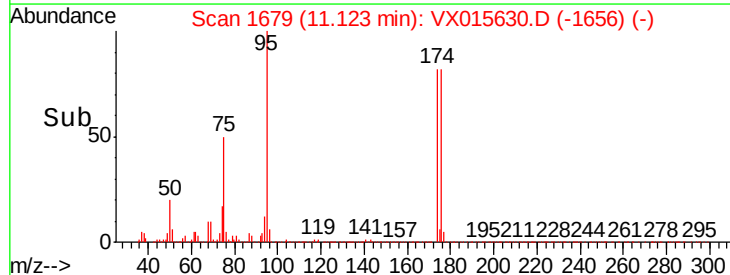
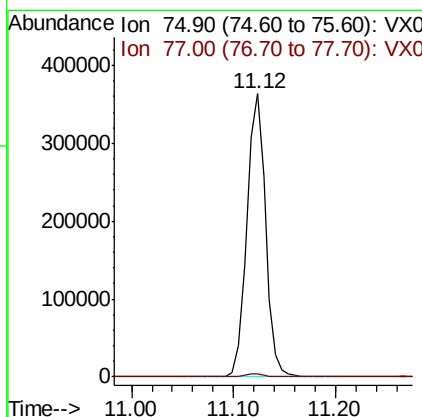
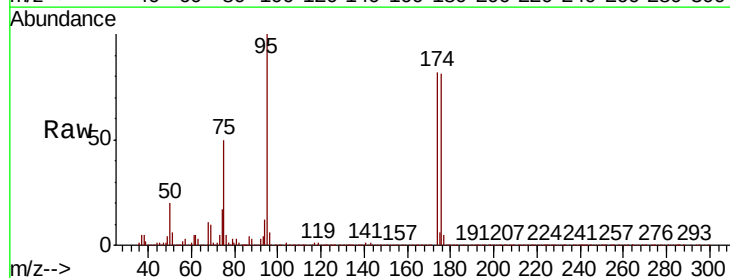
Instrument :
 MSVOA_X
 ClientSampleId :

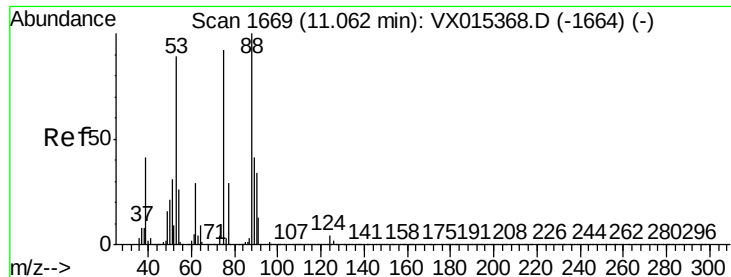
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.7	39.0	116.9
150	155.5	0.0	340.8



#76
 1,2,3-Trichloropropane
 Concen: 23.998 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015630.D
 Acq: 10 Apr 2020 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.2	63.6





#81
trans-1,4-Dichloro-2-butene
Concen: 57.582 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015630.D
Acq: 10 Apr 2020 18:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	80.1	120.1#
89	0.1	36.1	54.1#

