

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072820\
 Data File : VX017657.D
 Acq On : 28 Jul 2020 16:50
 Operator : JC/SP
 Sample : L3440-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 29 02:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	467417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	785497	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	841861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	449066	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	322928	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
35) Dibromofluoromethane	5.47	113	272326	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	8.70	98	972216	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.12	95	429282	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	

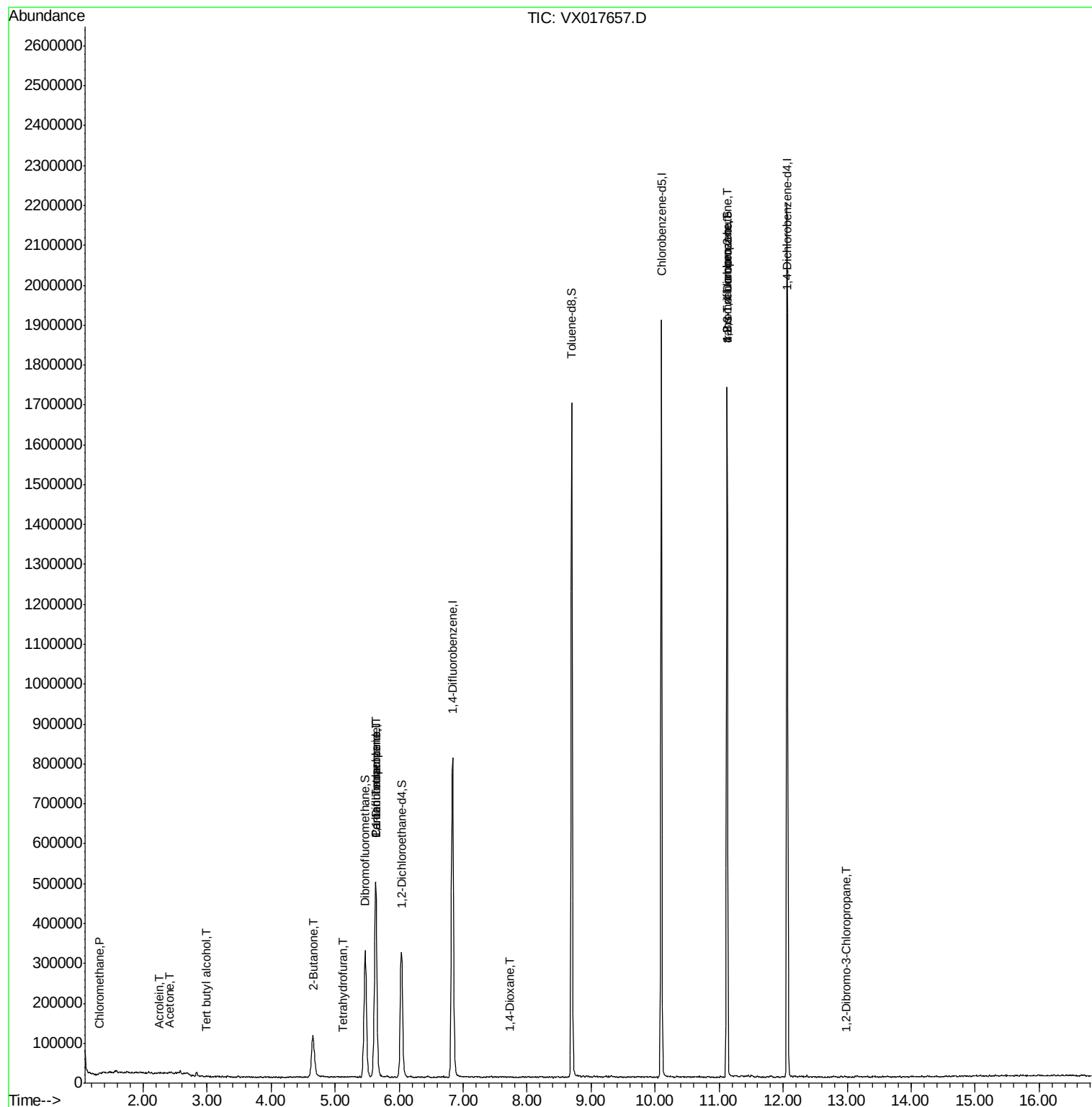
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	277	Below Cal	#	42
3) Chloromethane	1.32	50	1244	0.581	ug/l #	70
5) Bromomethane	1.62	94	507	Below Cal	#	11
6) Chloroethane	1.72	64	383	Below Cal	#	44
8) Diethyl Ether	2.16	74	309	Below Cal		94
11) Tert butyl alcohol	2.98	59	1184	0.936	ug/l #	72
13) Acrolein	2.26	56	353	4.508	ug/l	87
16) Acetone	2.42	43	3443	1.303	ug/l	94
20) Methylene Chloride	2.84	84	4785	Below Cal	#	83
25) 2-Butanone	4.66	43	7712	2.054	ug/l #	74
29) Tetrahydrofuran	5.11	42	939	0.404	ug/l #	63
36) 1,1-Dichloropropene	5.63	75	34616	4.595	ug/l #	52
38) Carbon Tetrachloride	5.63	117	49003	5.356	ug/l #	18
49) 1,4-Dioxane	7.73	88	46	0.356	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	218420	23.645	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	218420	59.580	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	220	2.653	ug/l #	45

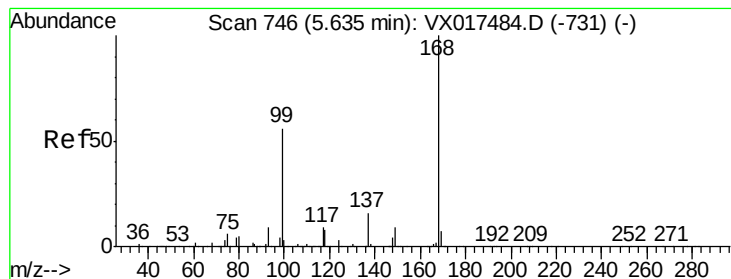
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

Instrument :

MSVOA_X

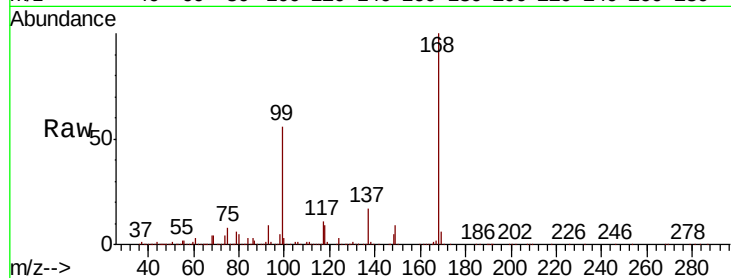
ClientSampleId :

Tot Ion:168 Resp: 467417

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

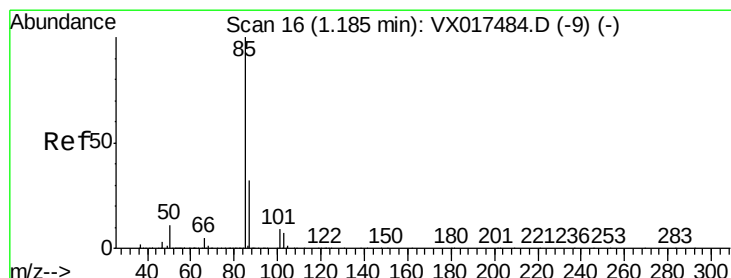
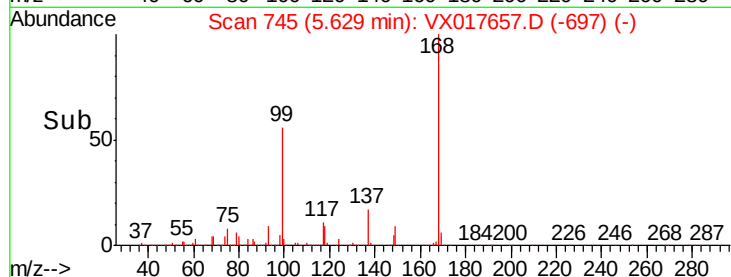
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017657.D

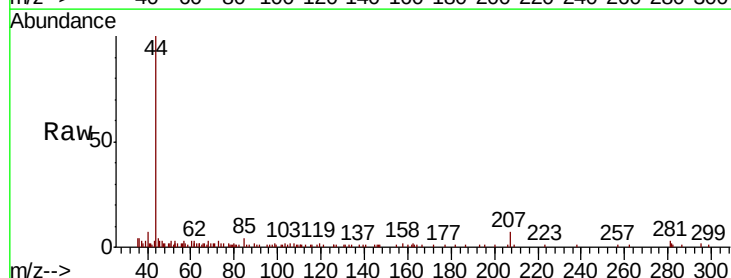
Acq: 28 Jul 2020 16:50

Tgt Ion: 85 Resp: 277

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

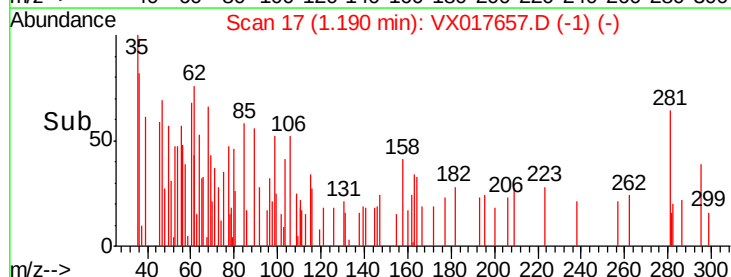
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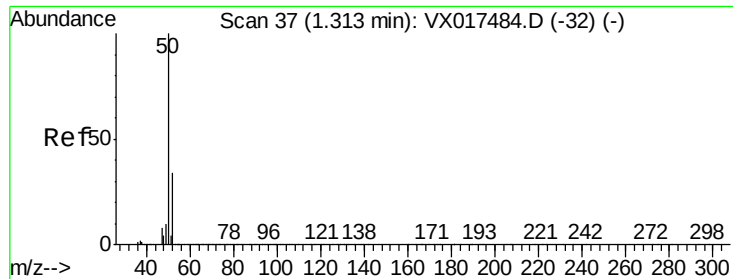
200

100

0

Time-->





#3

Chloromethane

Concen: 0.581 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

Instrument :

MSVOA_X

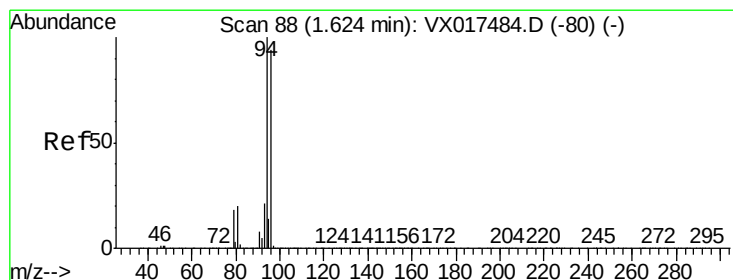
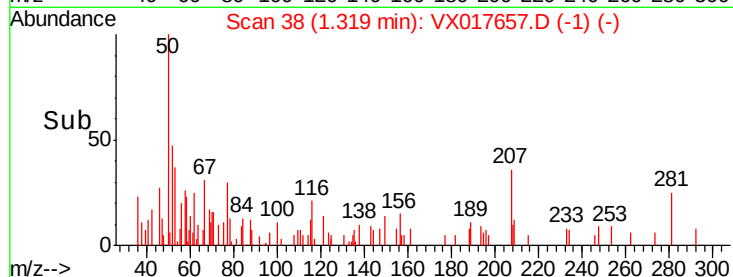
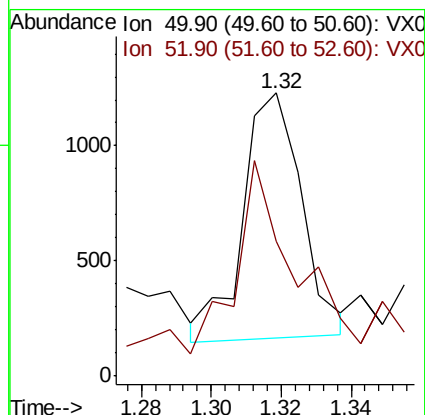
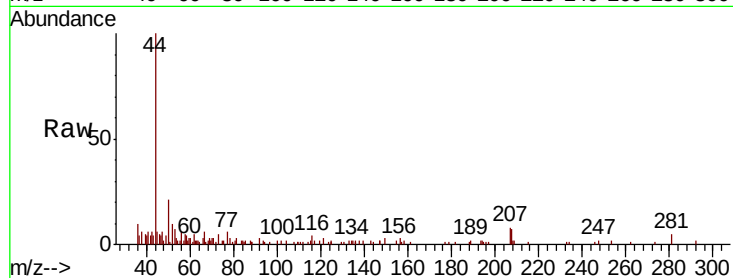
ClientSampled :

Tot Ion: 50 Resp: 1244

Ion Ratio Lower Upper

50 100

52 49.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017657.D

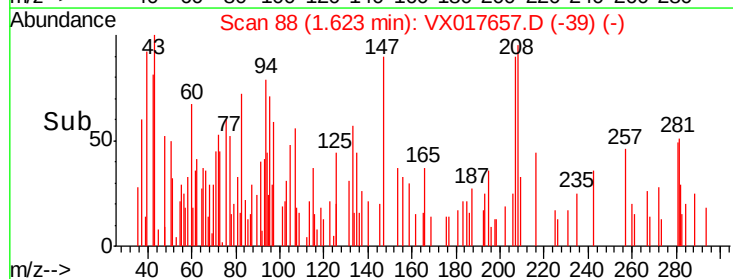
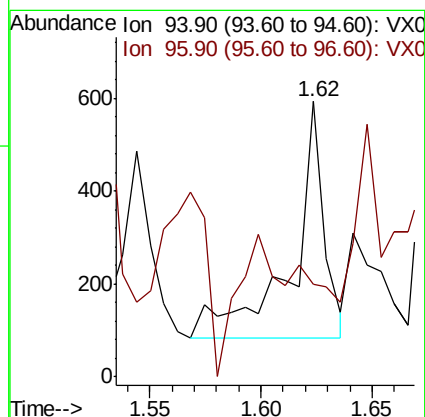
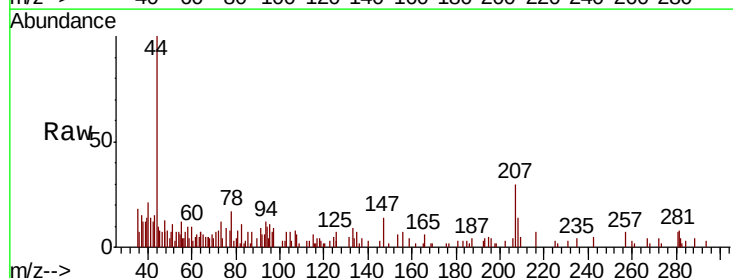
Acq: 28 Jul 2020 16:50

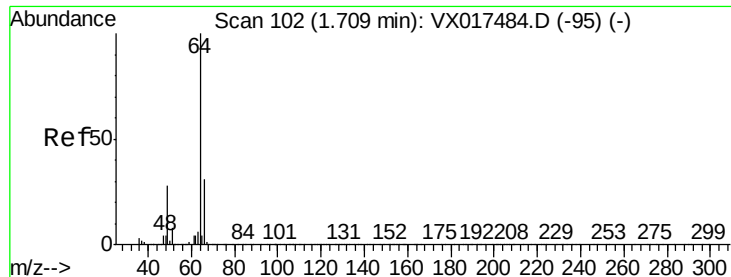
Tgt Ion: 94 Resp: 507

Ion Ratio Lower Upper

94 100

96 7.3 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

Instrument :

MSVOA_X

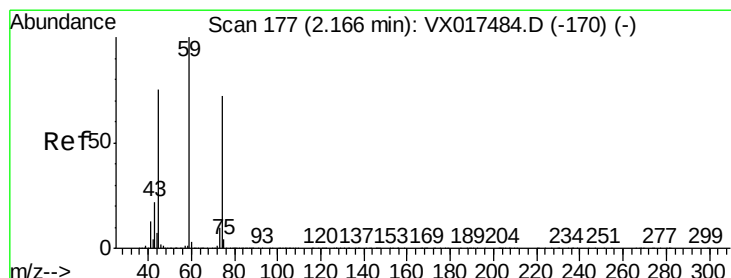
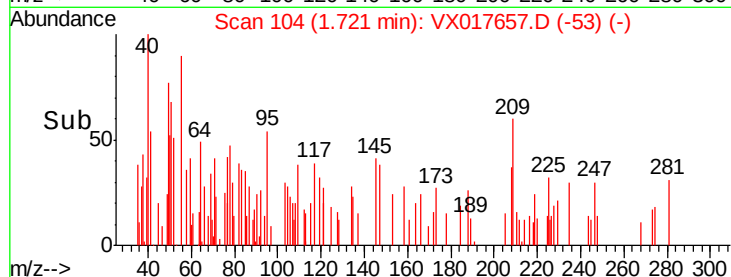
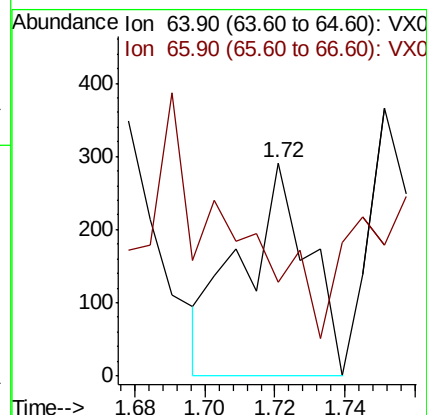
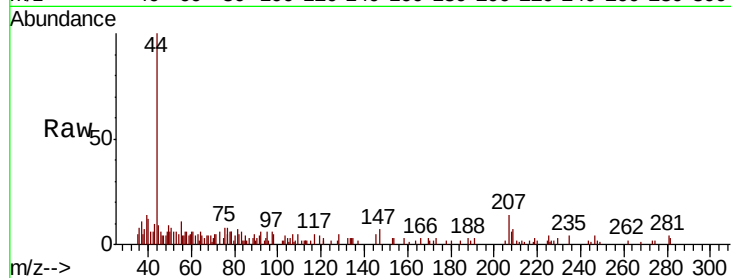
ClientSampleId :

Tot Ion: 64 Resp: 383

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017657.D

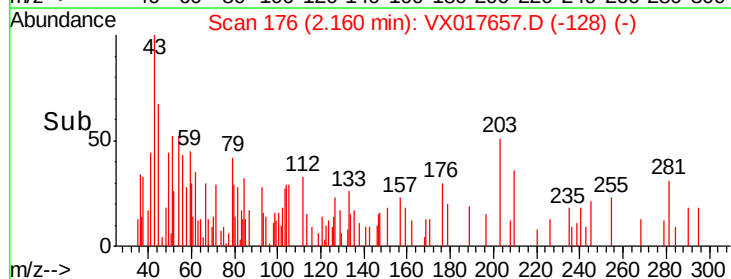
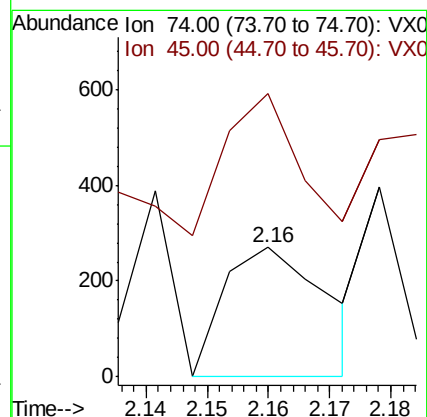
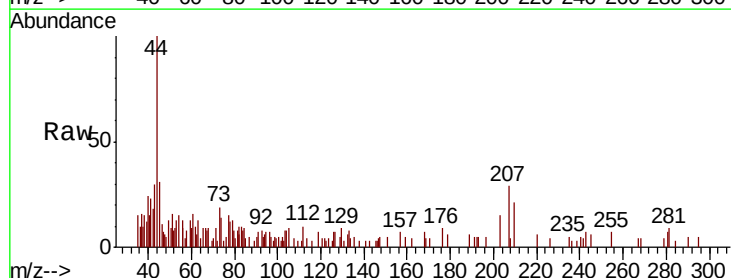
Acq: 28 Jul 2020 16:50

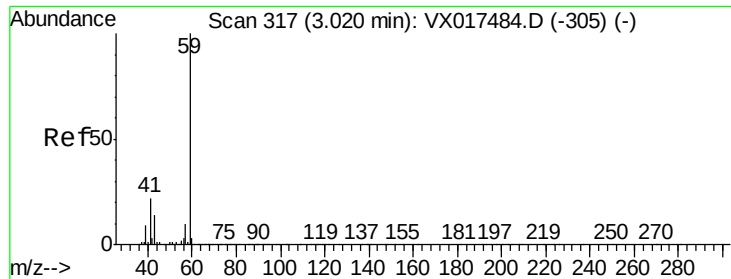
Tgt Ion: 74 Resp: 309

Ion Ratio Lower Upper

74 100

45 96.1 50.8 152.5

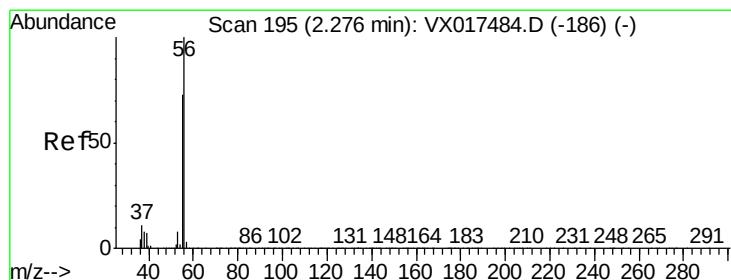
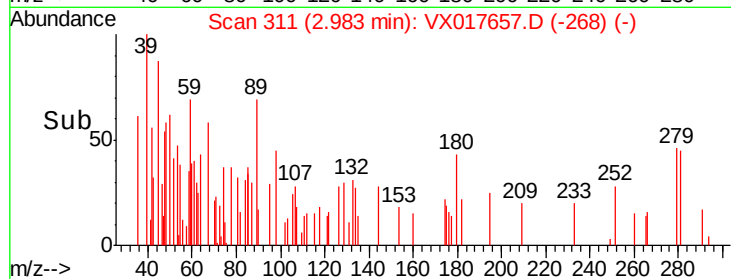
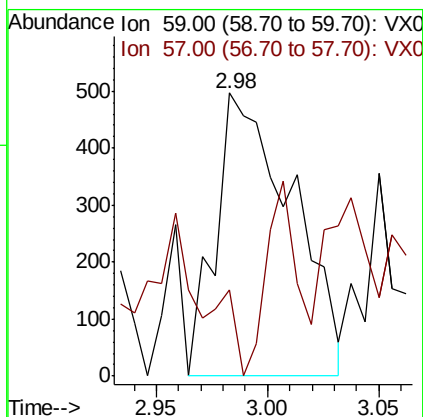
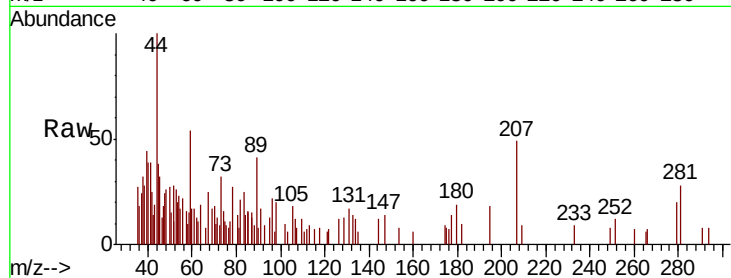




#11
Tert butyl alcohol
Concen: 0.936 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.04 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

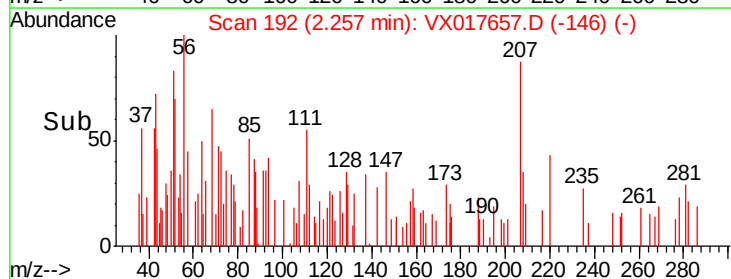
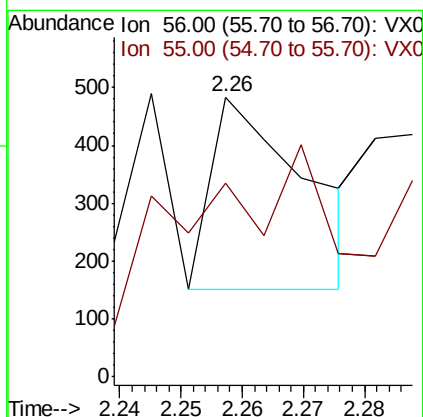
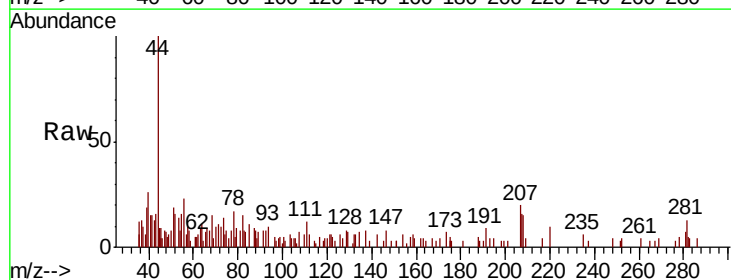
Instrument :
MSVOA_X
ClientSampleId :

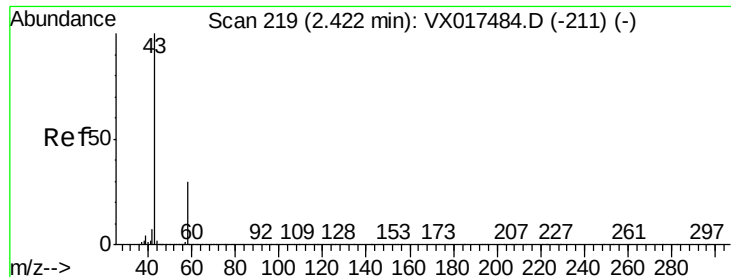
Tot Ion: 59 Resp: 1184
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 4.508 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

Tgt Ion: 56 Resp: 353
Ion Ratio Lower Upper
56 100
55 82.4 57.4 86.2

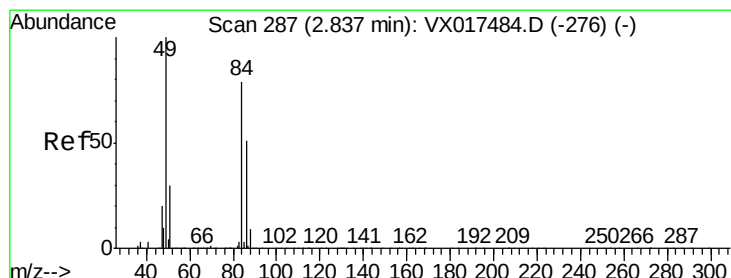
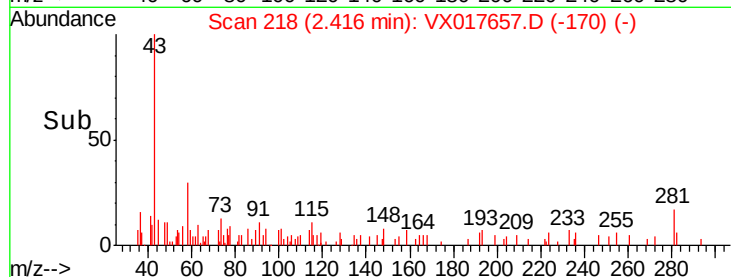
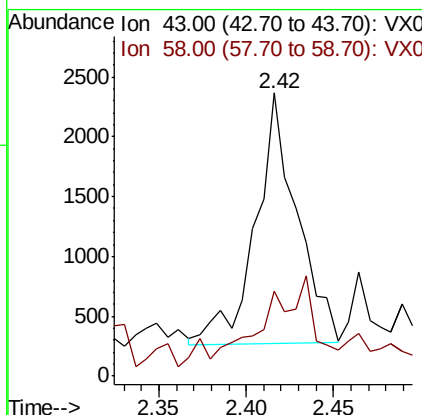
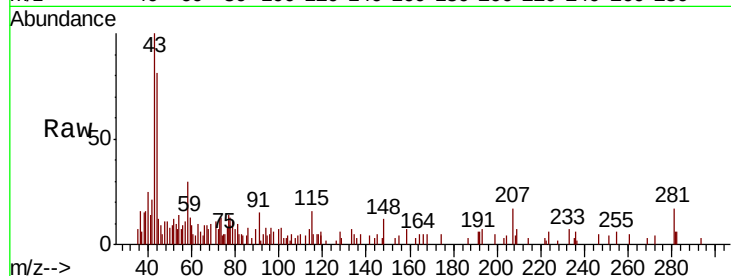




#16
Acetone
Concen: 1.303 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

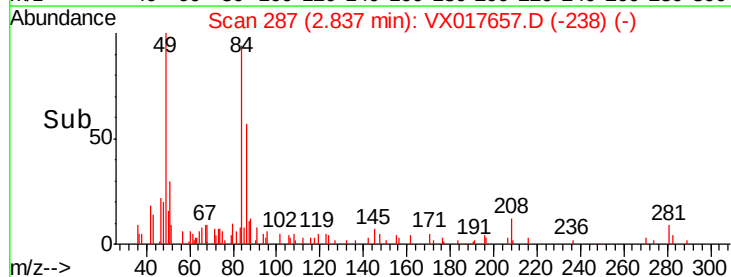
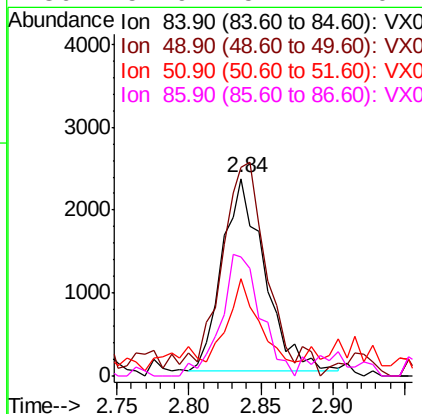
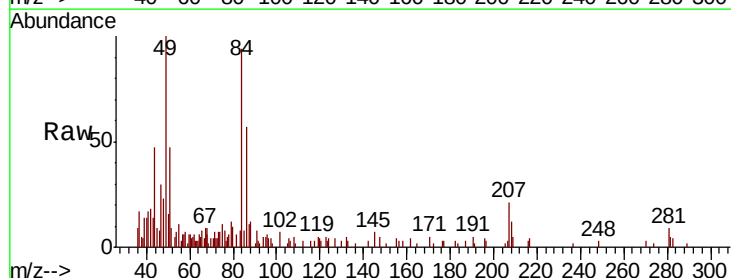
Instrument :
MSVOA_X
ClientSampleId :

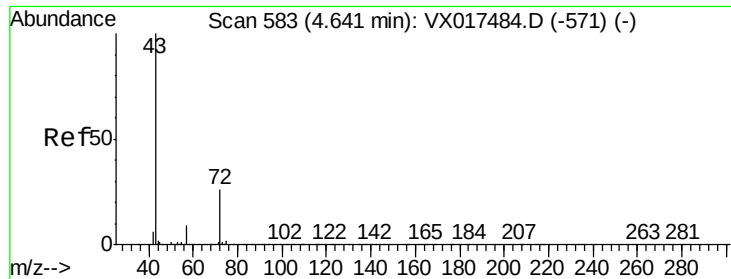
Tot Ion: 43 Resp: 3443
Ion Ratio Lower Upper
43 100
58 27.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

Tgt Ion: 84 Resp: 4785
Ion Ratio Lower Upper
84 100
49 102.0 100.3 150.5
51 45.9 30.5 45.7#
86 54.9 51.1 76.7

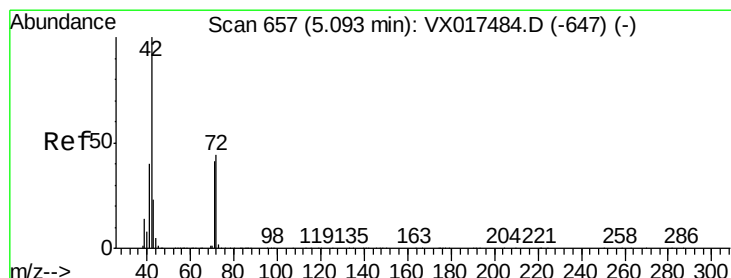
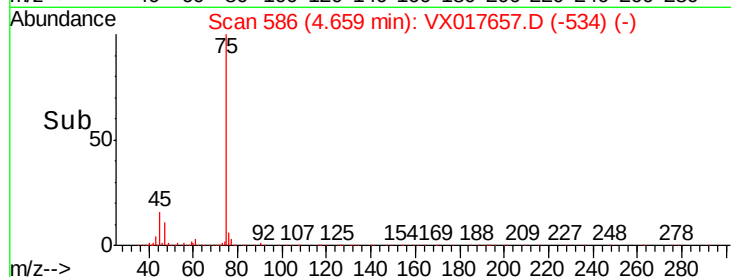
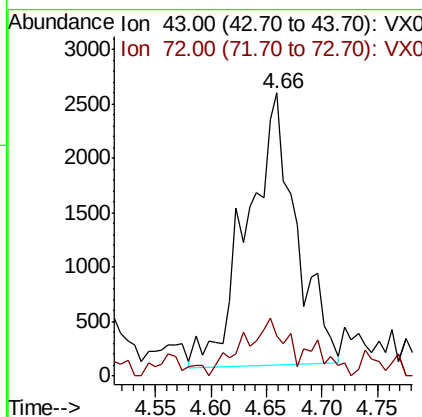
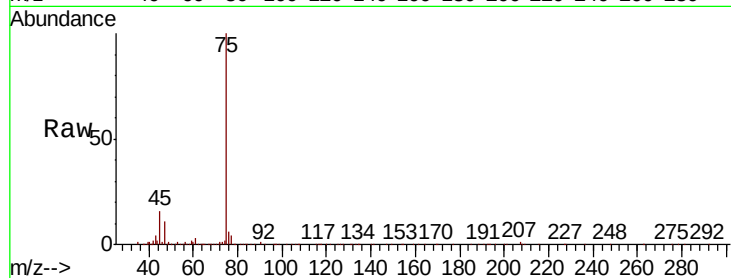




#25
2-Butanone
Concen: 2.054 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

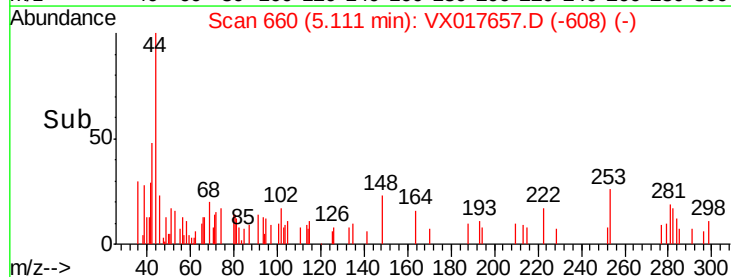
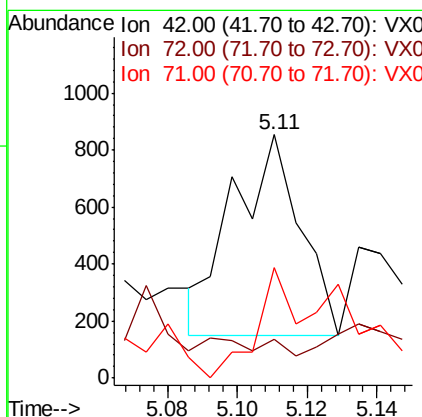
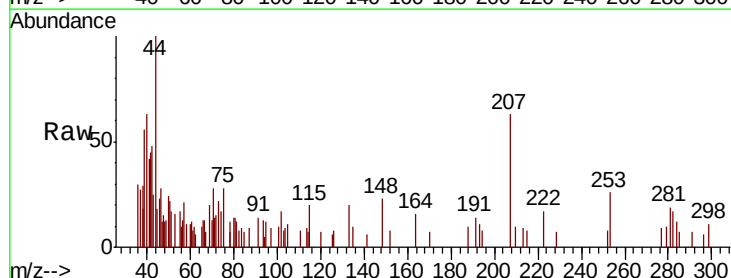
Instrument :
MSVOA_X
ClientSampled :

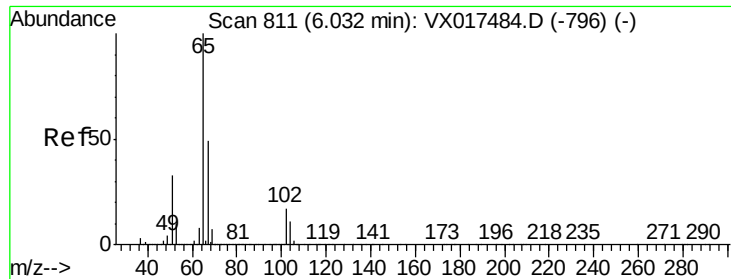
Tot Ion: 43 Resp: 7712
Ion Ratio Lower Upper
43 100
72 10.9 19.0 28.4#



#29
Tetrahydrofuran
Concen: 0.404 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

Tgt Ion: 42 Resp: 939
Ion Ratio Lower Upper
42 100
72 0.0 35.5 53.3#
71 38.7 33.0 49.4

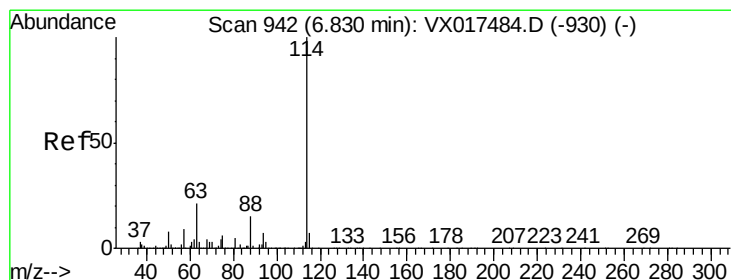
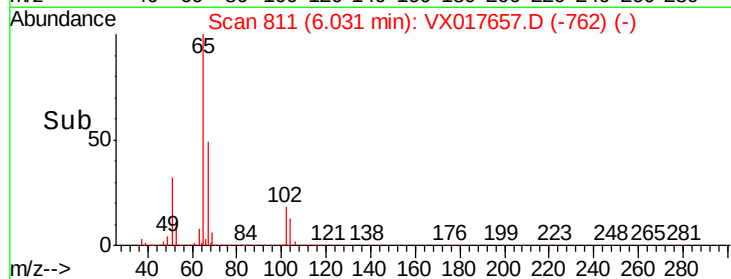
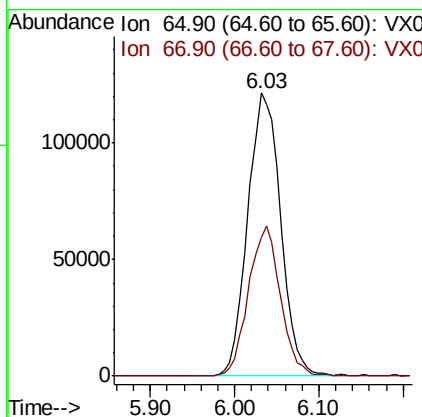
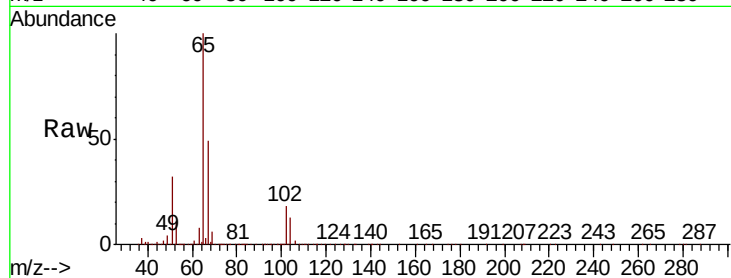




#33
 1,2-Dichloroethane-d4
 Concen: 53.784 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017657.D
 Acq: 28 Jul 2020 16:50

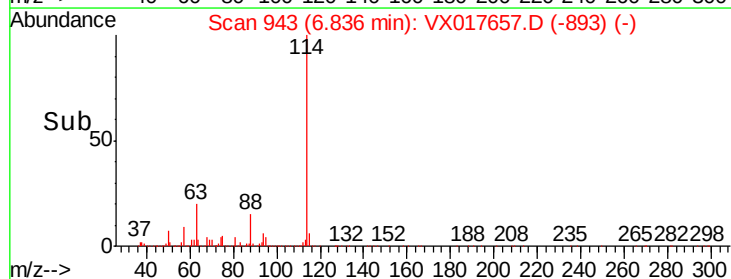
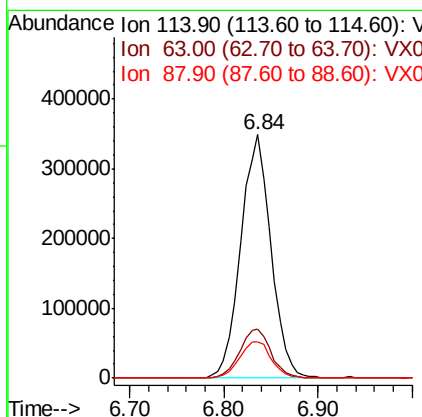
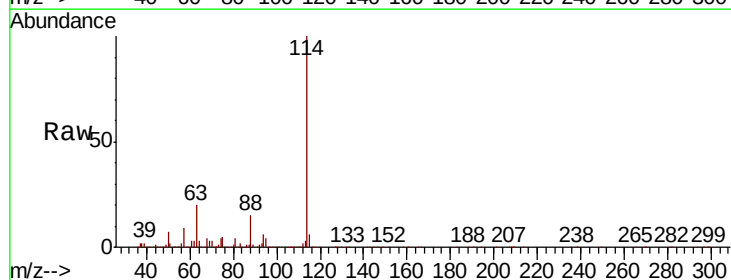
Instrument :
 MSVOA_X
 ClientSampleId :

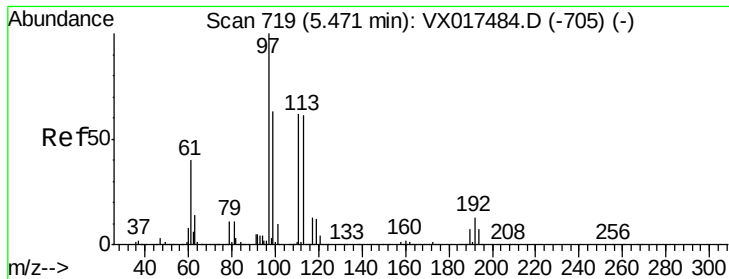
Tot Ion: 65 Resp: 322928
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017657.D
 Acq: 28 Jul 2020 16:50

Tgt Ion: 114 Resp: 785497
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.6
 88 15.0 0.0 33.4

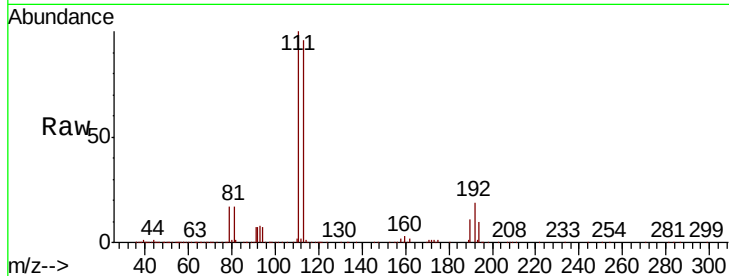




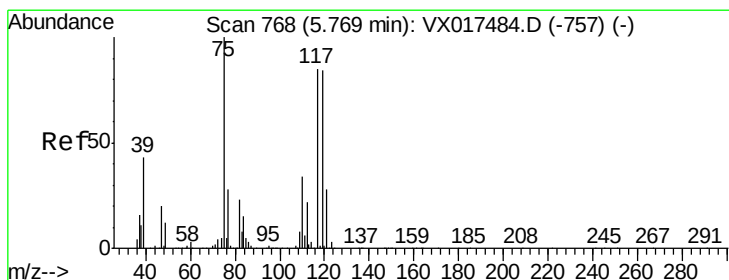
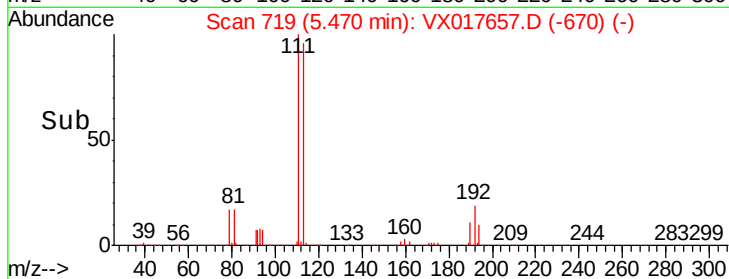
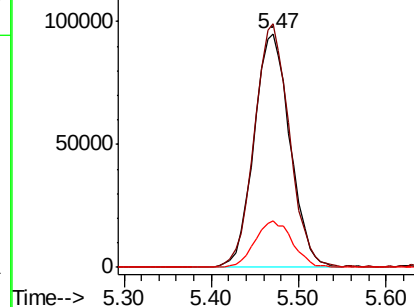
#35
 Dibromofluoromethane
 Concen: 51.838 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017657.D
 Acq: 28 Jul 2020 16:50

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.7	121.1
192	20.7	16.9	25.3

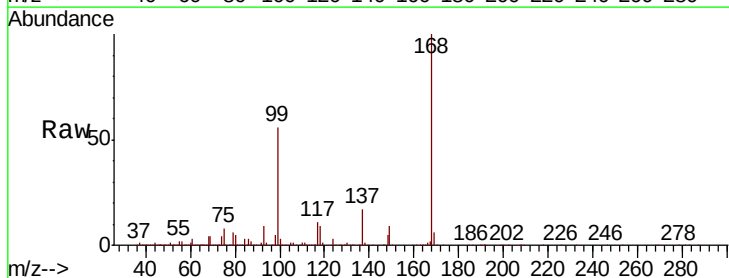


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

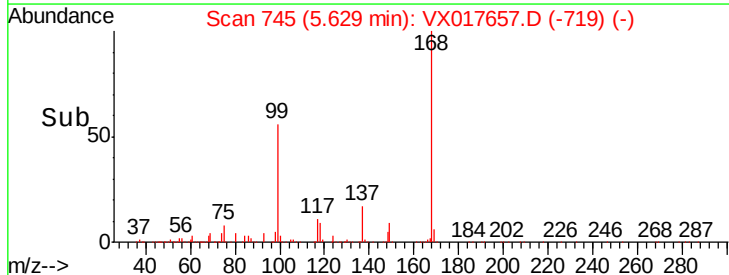
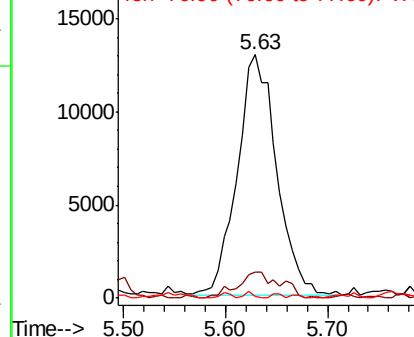


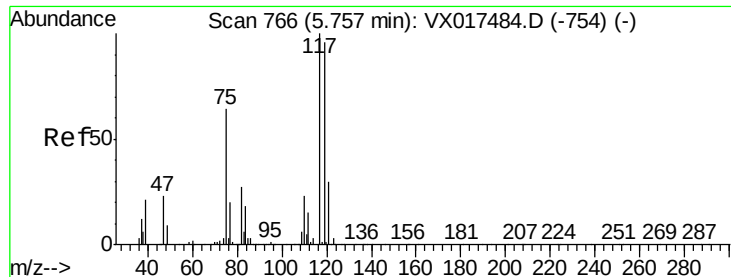
#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017657.D
 Acq: 28 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.1	54.3#
77	0.6	24.6	37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.356 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

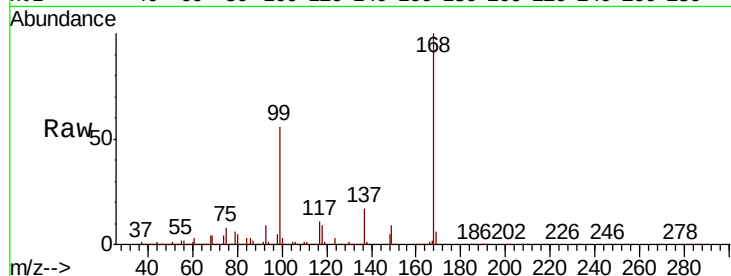
Tot Ion: 117 Resp: 49003

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.0#

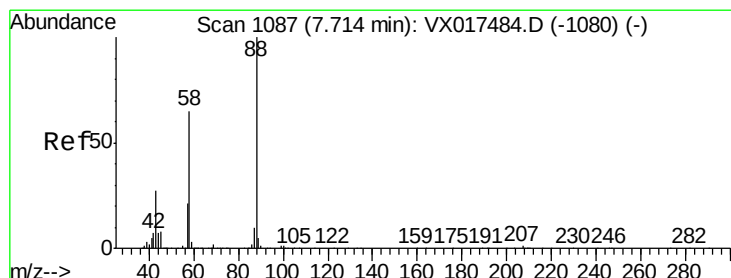
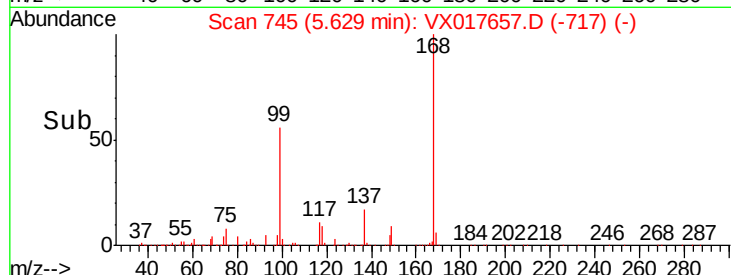
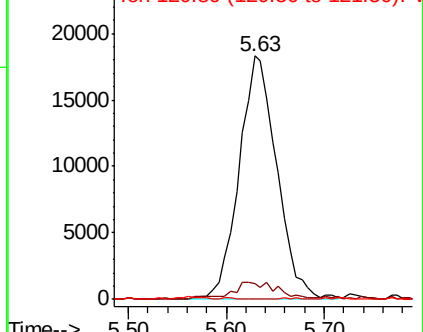
121 0.0 24.3 36.5#



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: 0.356 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

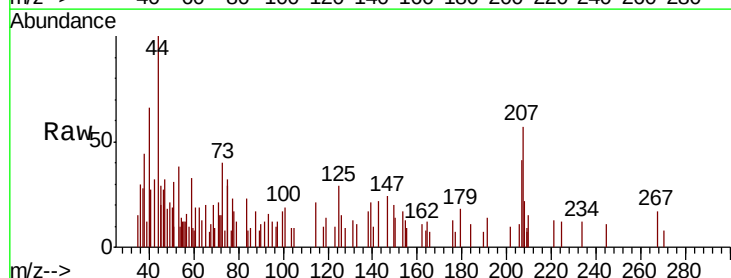
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 1043.5 27.8 41.6#

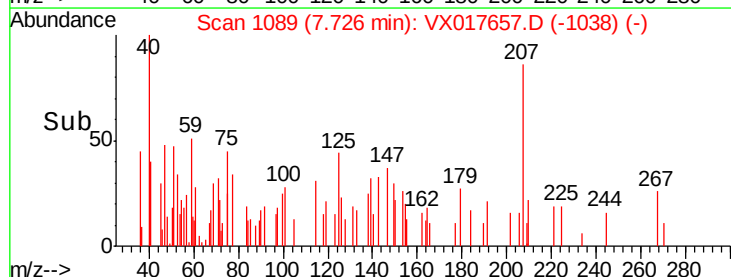
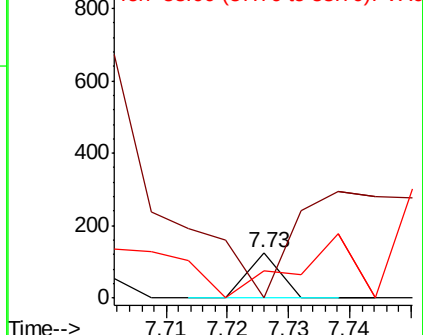
58 0.0 58.3 87.5#

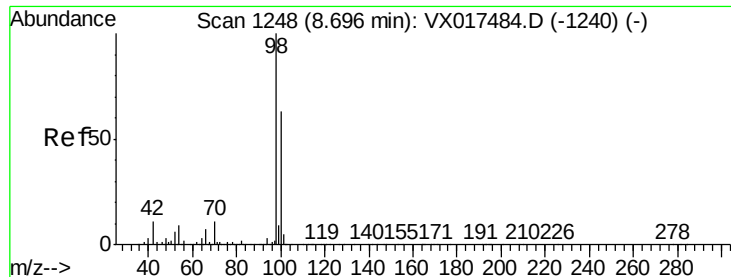


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.300 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

Instrument :

MSVOA_X

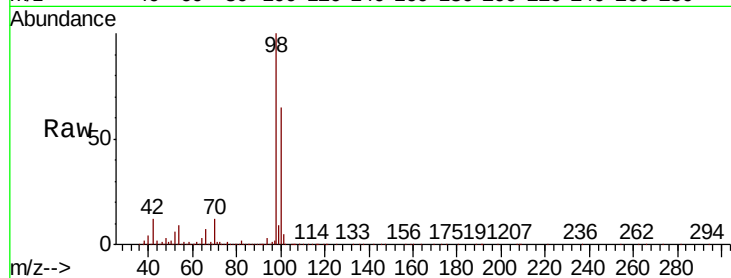
ClientSampleId :

Tot Ion: 98 Resp: 972216

Ion Ratio Lower Upper

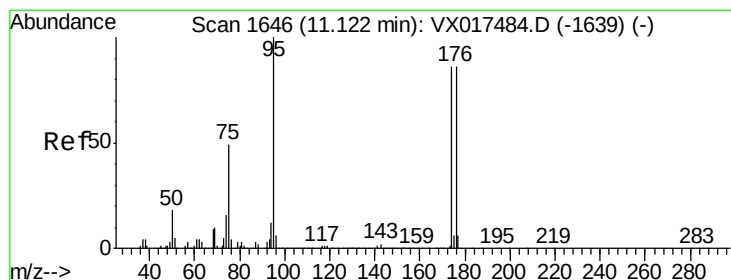
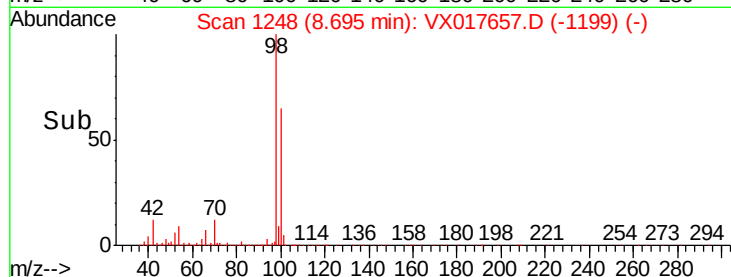
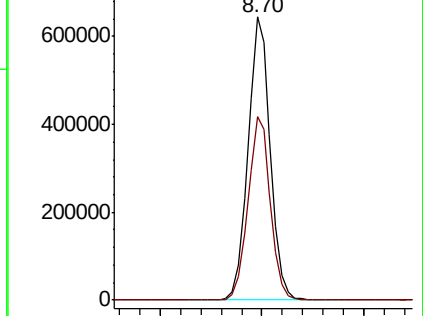
98 100

100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 56.600 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

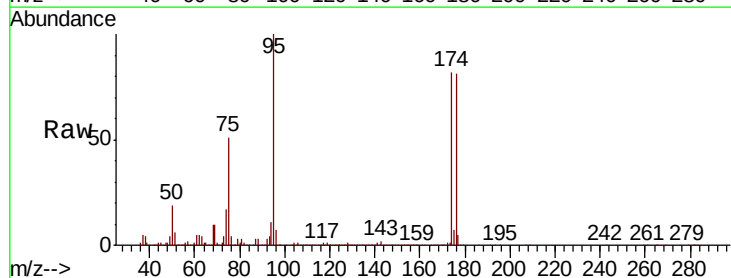
Tgt Ion: 95 Resp: 429282

Ion Ratio Lower Upper

95 100

174 83.1 0.0 169.0

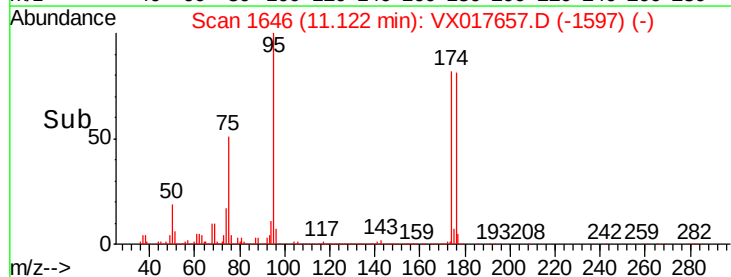
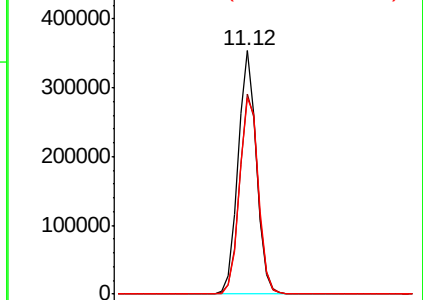
176 83.5 0.0 161.0

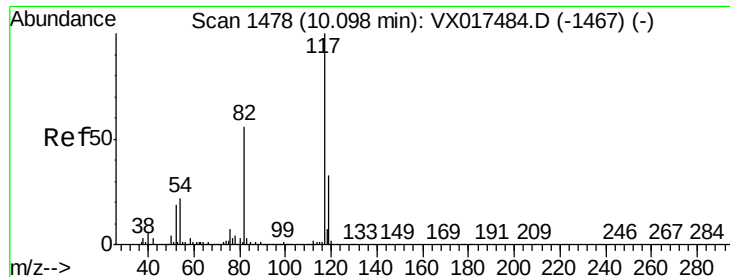


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

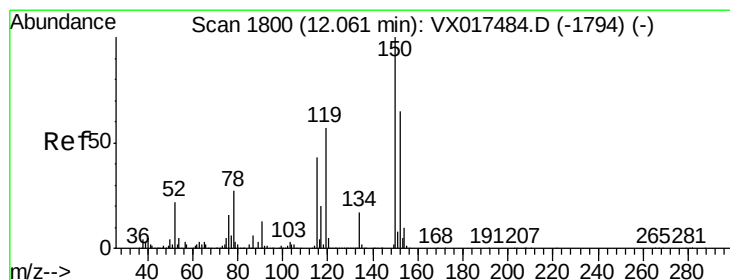
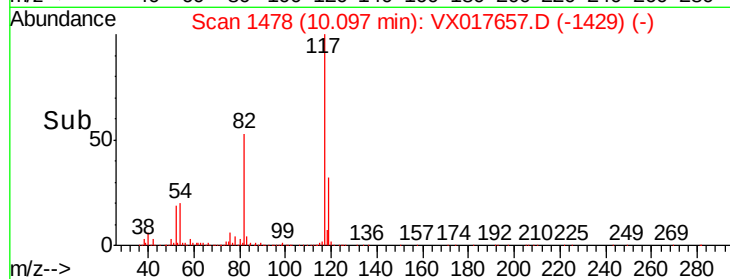
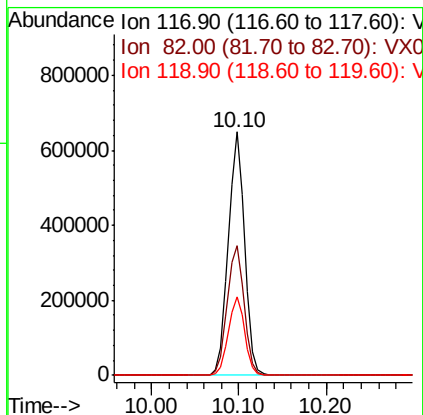
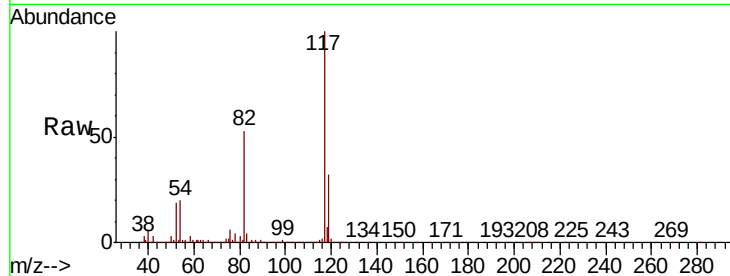




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

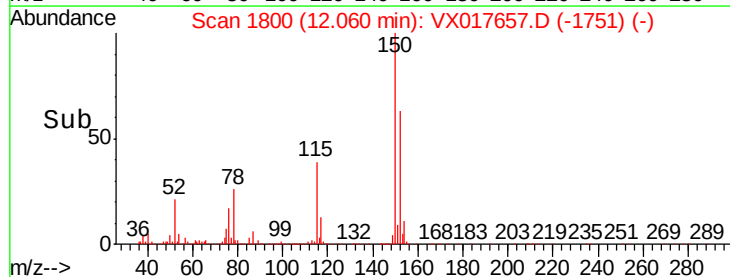
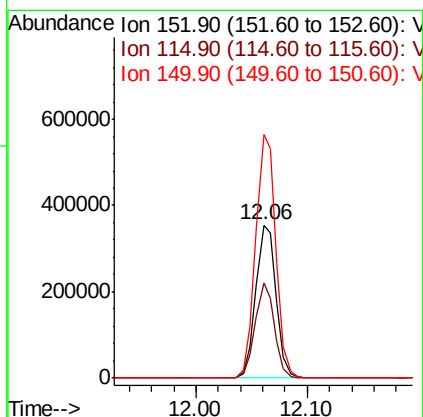
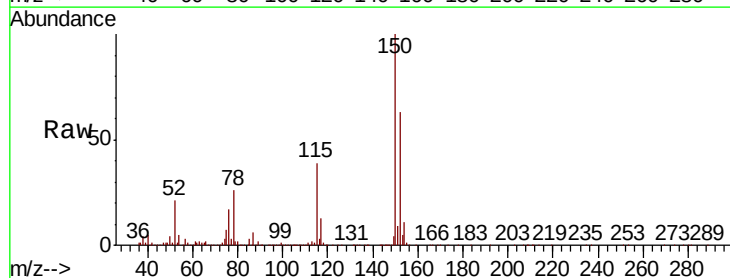
Instrument :
MSVOA_X
ClientSampleId :

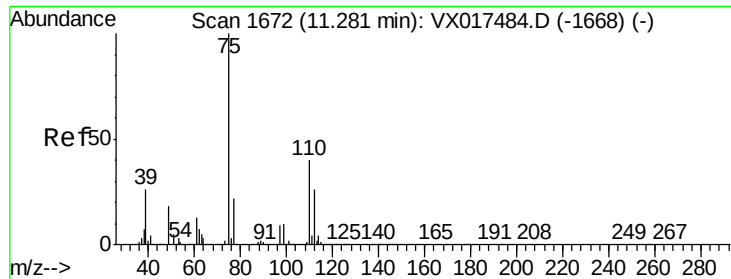
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.0	66.0
119	32.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017657.D
Acq: 28 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	65.5	196.6#
150	158.3	0.0	412.6

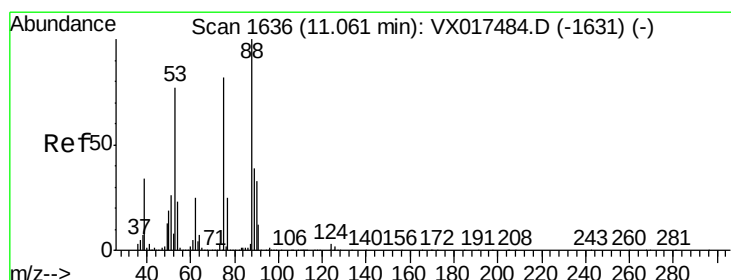
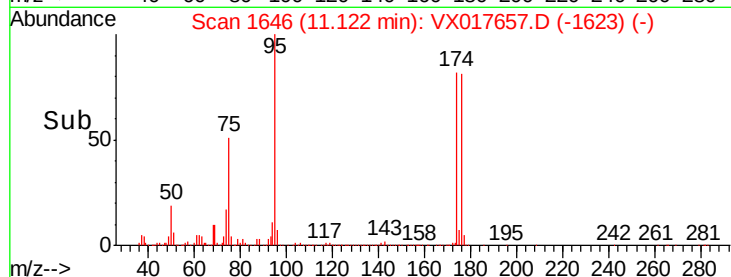
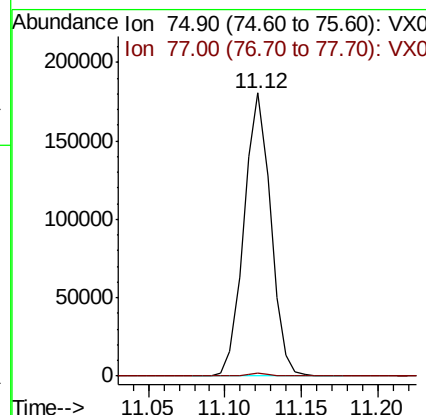
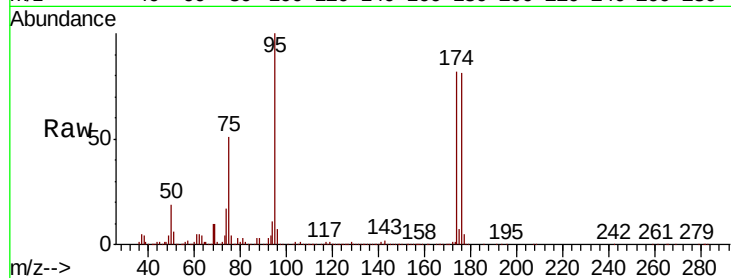




#76
 1,2,3-Trichloropropane
 Concen: 23.645 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017657.D
 Acq: 28 Jul 2020 16:50

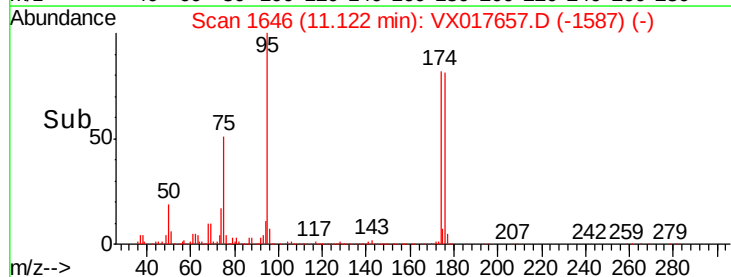
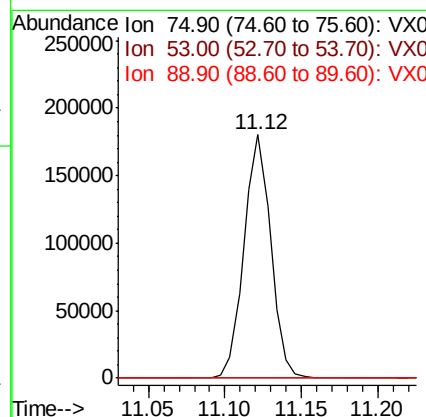
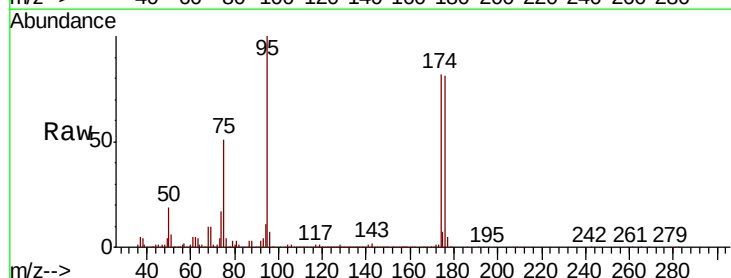
Instrument :
 MSVOA_X
 ClientSampled :

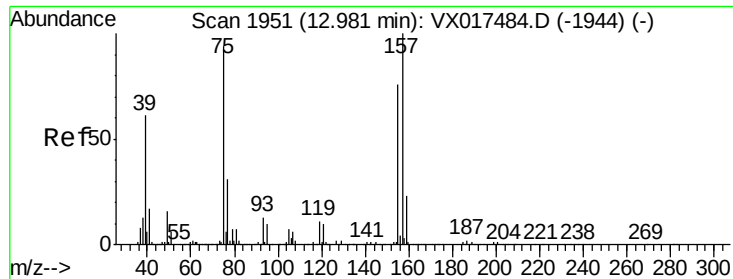
Tot Ion: 75 Resp: 218420
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.580 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017657.D
 Acq: 28 Jul 2020 16:50

Tgt Ion: 75 Resp: 218420
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.9 113.9#
 89 0.2 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.653 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017657.D

Acq: 28 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 220

Ion Ratio Lower Upper

75 100

155 45.0 42.3 126.8

157 42.3 54.3 162.9#

