

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017597.D
 Acq On : 25 Jul 2020 15:38
 Operator : JC/SP
 Sample : L3383-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 01:14:56 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	5.64	168	421701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	689072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	727867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	413987	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	294424	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	5.46	113	243387	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
50) Toluene-d8	8.70	98	858491	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.12	95	385239	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	

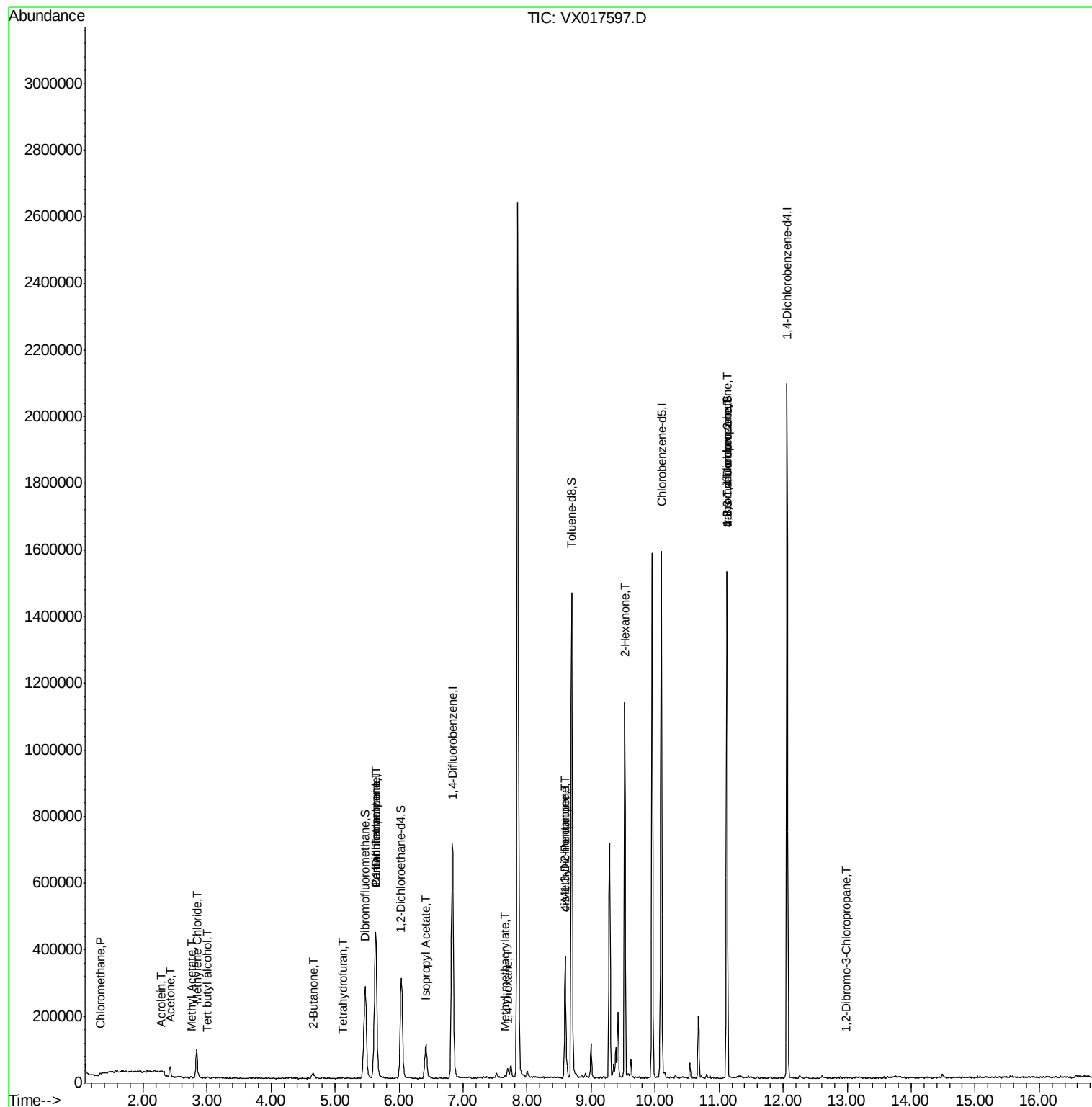
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	414	Below Cal	#	52
3) Chloromethane	1.32	50	1082	0.573	ug/l	97
5) Bromomethane	1.61	94	136	Below Cal	#	79
6) Chloroethane	1.68	64	942	Below Cal	#	82
8) Diethyl Ether	2.18	74	1724	Below Cal		87
11) Tert butyl alcohol	3.00	59	2405	2.107	ug/l #	54
13) Acrolein	2.29	56	857	5.115	ug/l #	72
16) Acetone	2.42	43	34679	14.545	ug/l	93
18) Methyl Acetate	2.75	43	8491	1.512	ug/l	95
20) Methylene Chloride	2.84	84	40146	7.858	ug/l	98
25) 2-Butanone	4.65	43	7588	2.240	ug/l	90
29) Tetrahydrofuran	5.12	42	3284	1.565	ug/l #	78
36) 1,1-Dichloropropene	5.63	75	30766	4.655	ug/l #	48
38) Carbon Tetrachloride	5.64	117	43401	5.408	ug/l #	17
43) Isopropyl Acetate	6.42	43	136607	11.450	ug/l	99
48) Methyl methacrylate	7.65	41	8879	1.501	ug/l #	17
49) 1,4-Dioxane	7.71	88	270	2.381	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	137216	19.275	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	58943	6.912	ug/l #	59
59) 2-Hexanone	9.52	43	128870	24.045	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	196653	23.092	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	196653	58.188	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	165	2.639	ug/l #	17

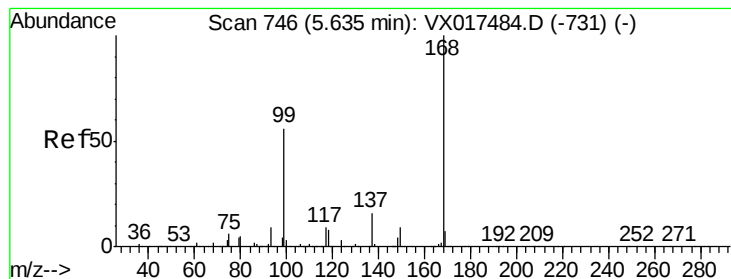
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
Data File : VX017597.D
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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: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

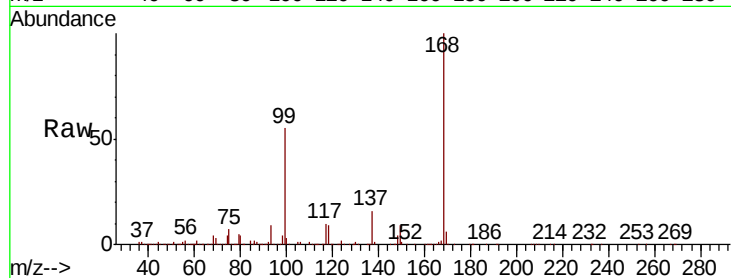
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 421701

Ion Ratio Lower Upper

168 100

99 54.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

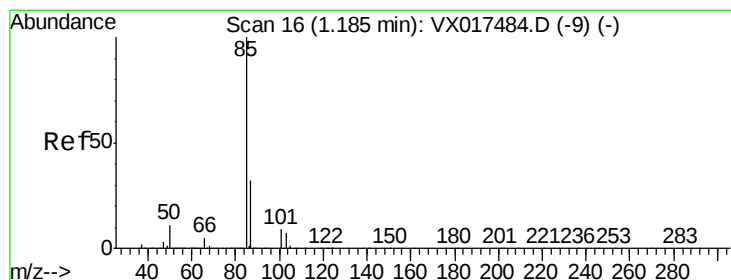
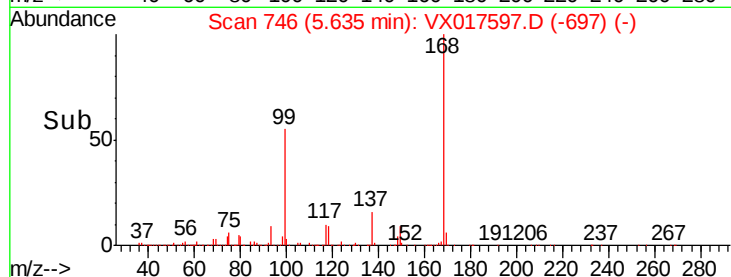
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 18

Delta R.T. 0.01 min

Lab File: VX017597.D

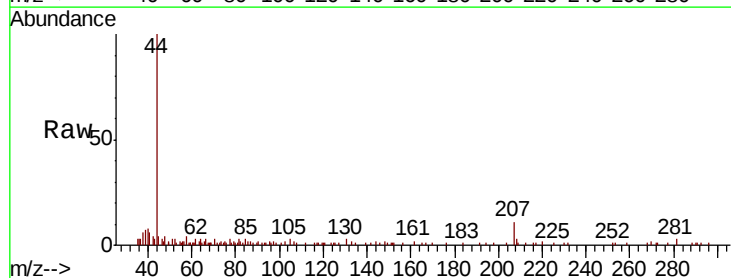
Acq: 25 Jul 2020 15:38

Tgt Ion: 85 Resp: 414

Ion Ratio Lower Upper

85 100

87 5.6 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

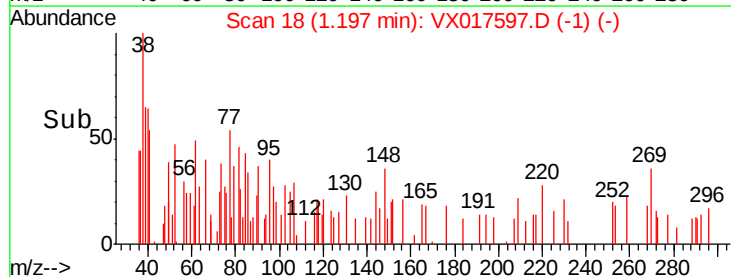
300

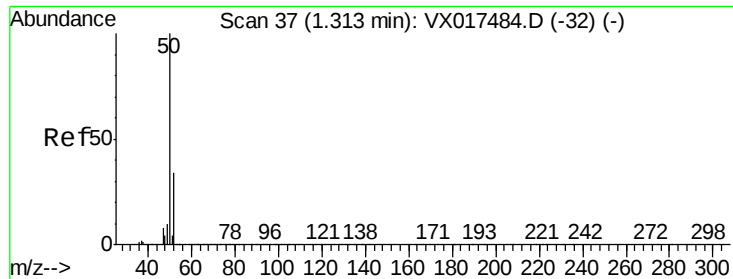
200

100

0

Time-->

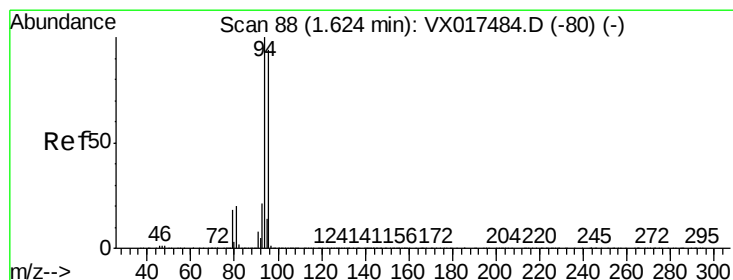
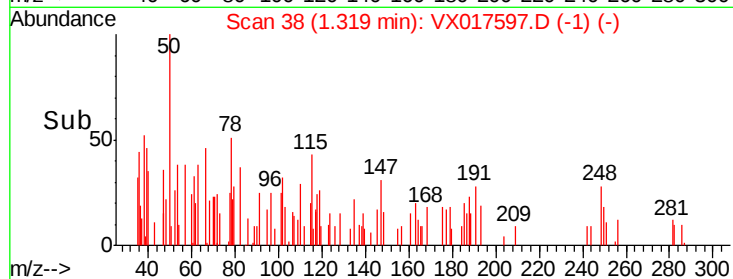
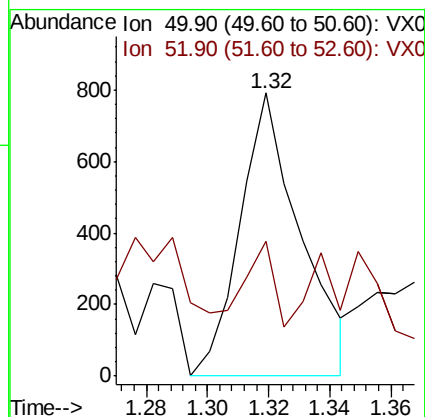
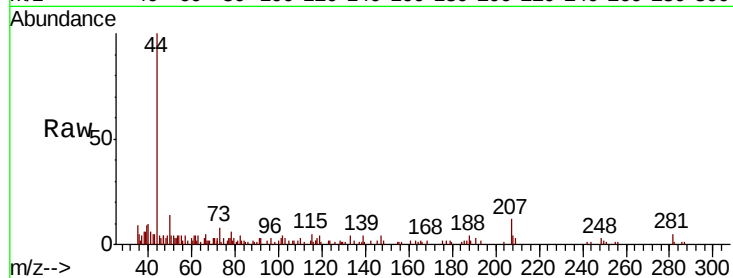




#3
Chloromethane
Concen: 0.573 ug/l
RT: 1.32 min Scan# 38
Delta R.T. 0.01 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

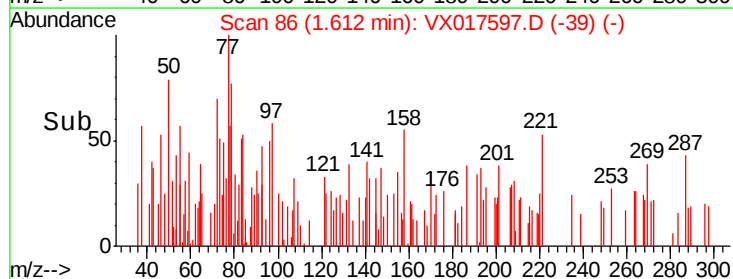
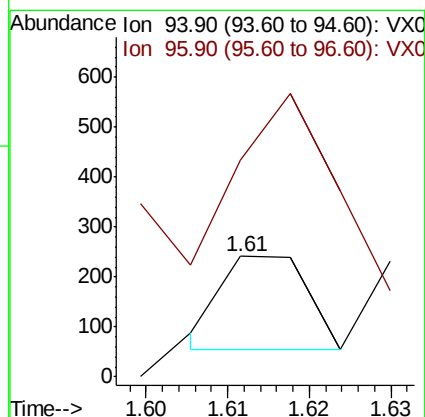
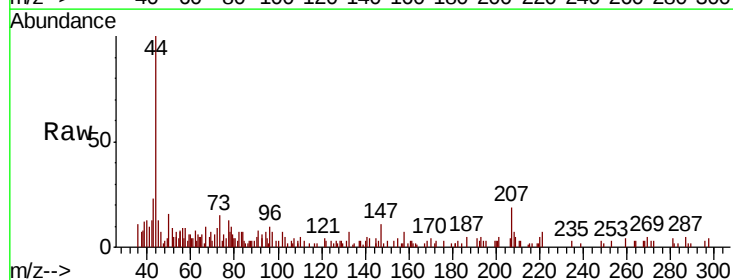
Instrument :
MSVOA_X
ClientSampled :

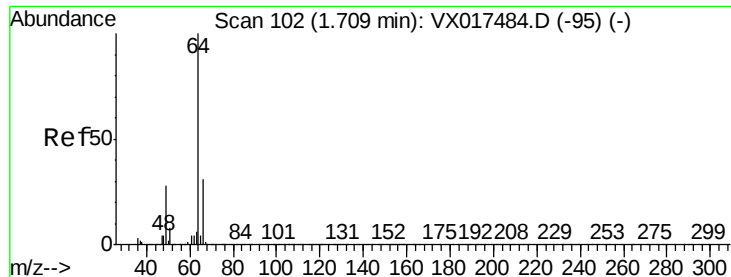
Tot Ion: 50 Resp: 1082
Ion Ratio Lower Upper
50 100
52 30.9 25.9 38.9



#5
Bromomethane
Concen: Below Cal
RT: 1.61 min Scan# 86
Delta R.T. -0.01 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 112.3 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.02 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

Instrument :

MSVOA_X

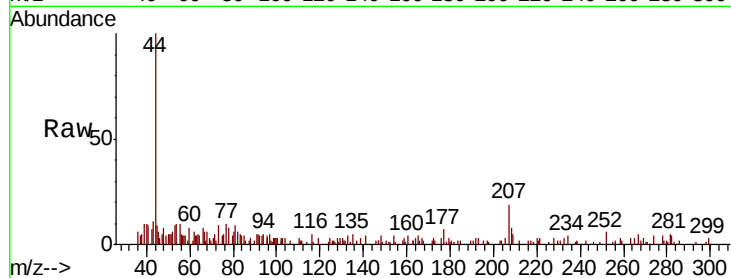
ClientSampled :

Tot Ion: 64 Resp: 942

Ion Ratio Lower Upper

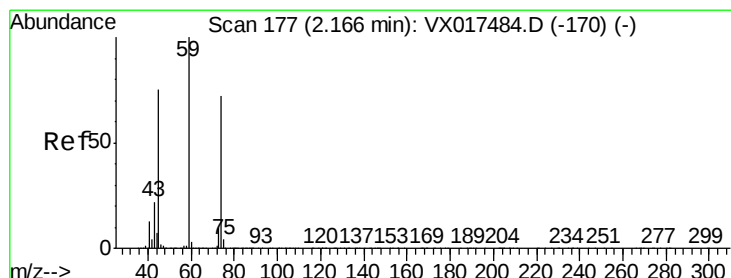
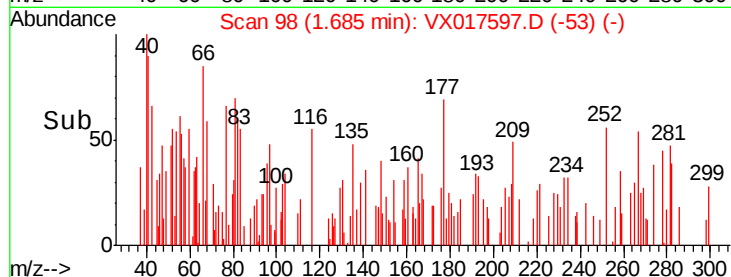
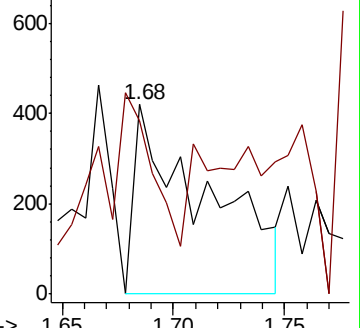
64 100

66 21.4 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017597.D

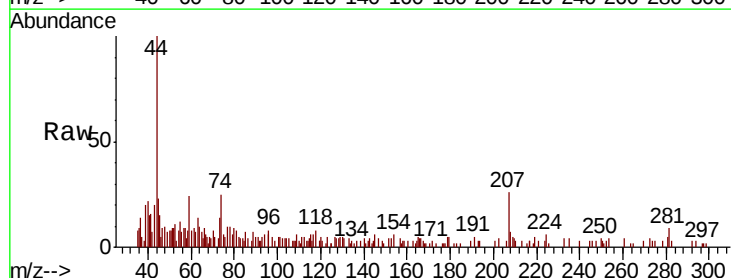
Acq: 25 Jul 2020 15:38

Tgt Ion: 74 Resp: 1724

Ion Ratio Lower Upper

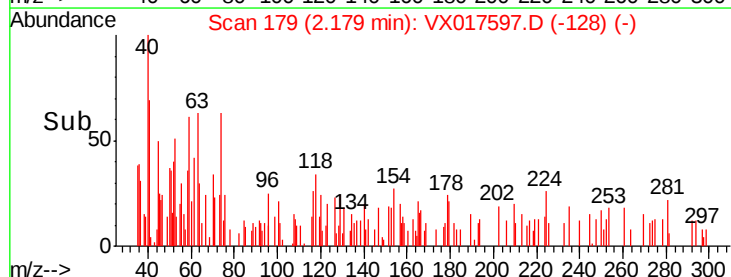
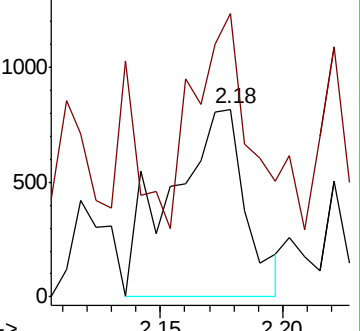
74 100

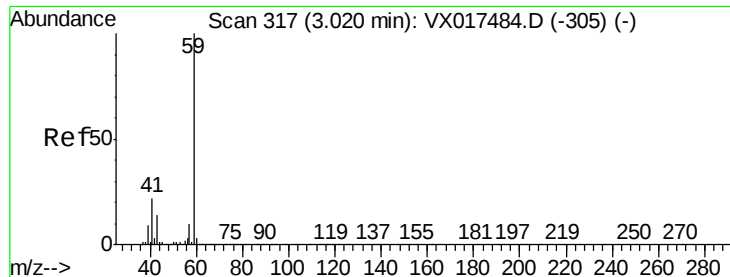
45 88.9 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



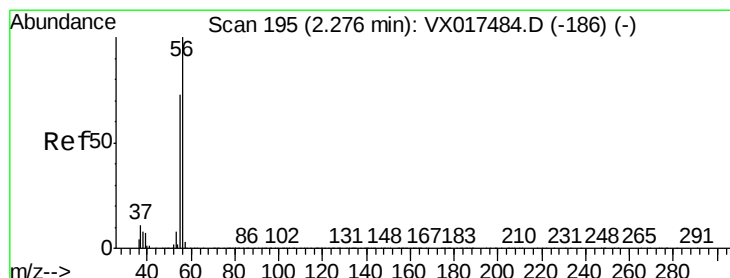
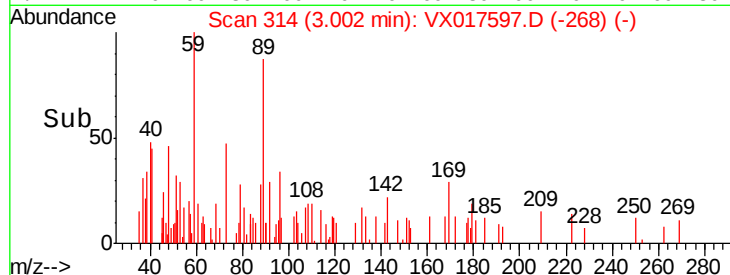
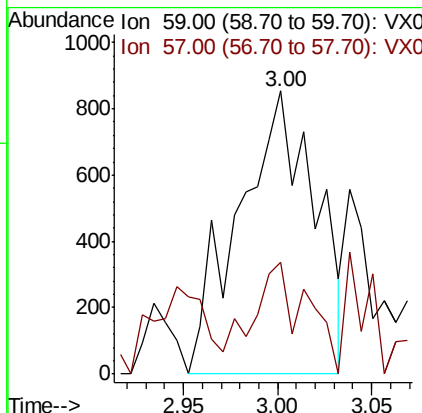
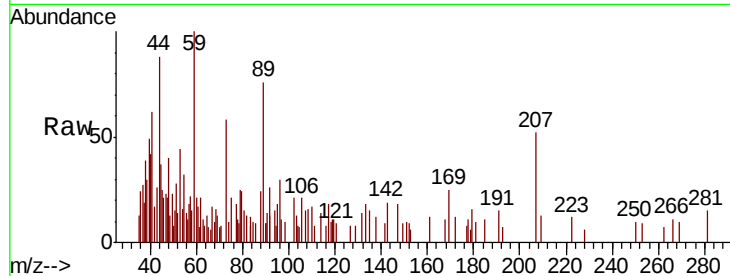


#11

Tert butyl alcohol
Concen: 2.107 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Instrument :
MSVOA_X
ClientSampled :

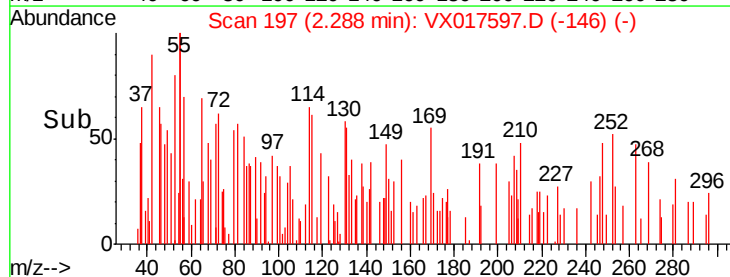
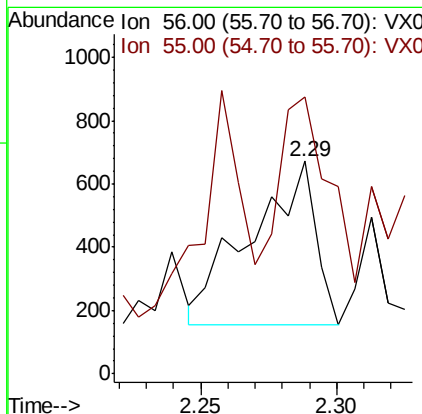
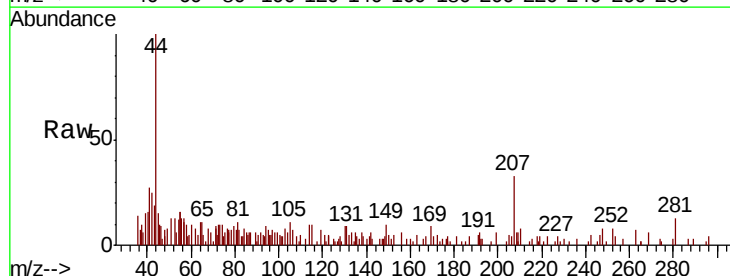
Tot Ion: 59 Resp: 2405
Ion Ratio Lower Upper
59 100
57 27.9 8.6 12.8#

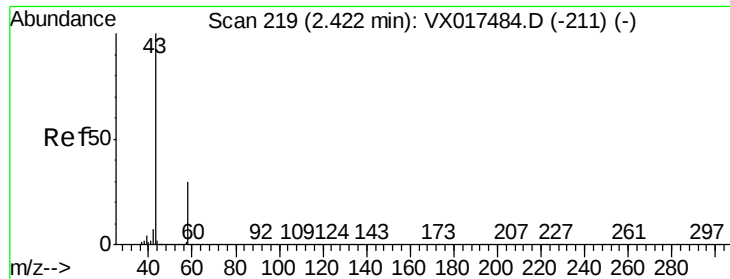


#13

Acrolein
Concen: 5.115 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion: 56 Resp: 857
Ion Ratio Lower Upper
56 100
55 95.2 57.4 86.2#

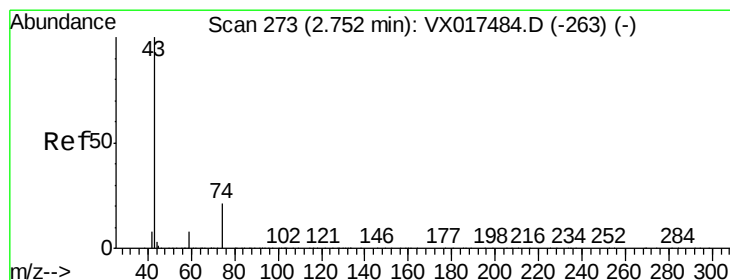
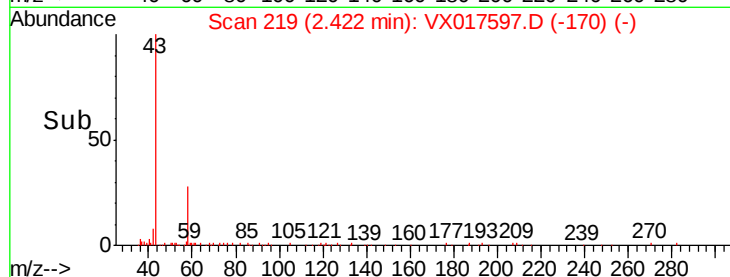
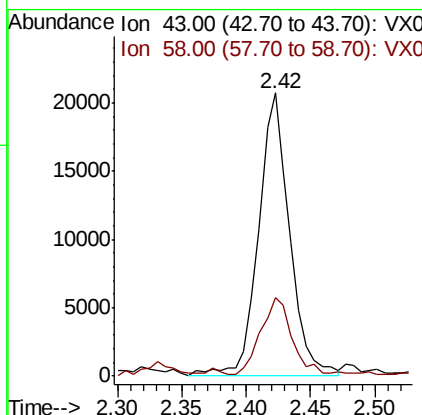
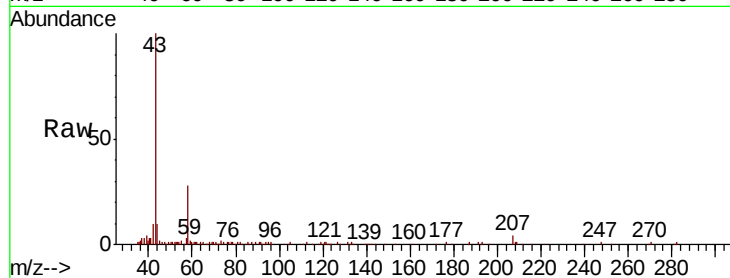




#16
Acetone
Concen: 14.545 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

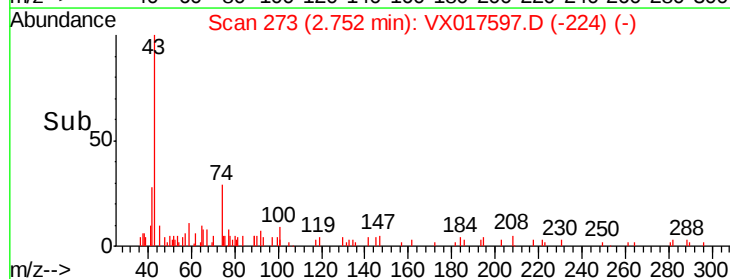
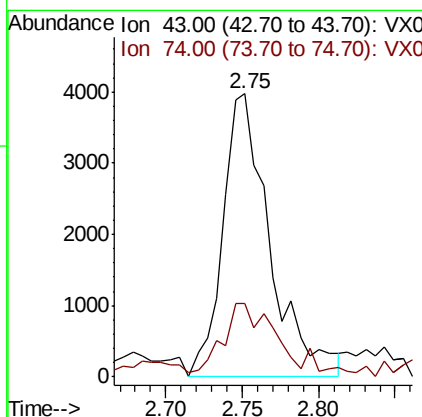
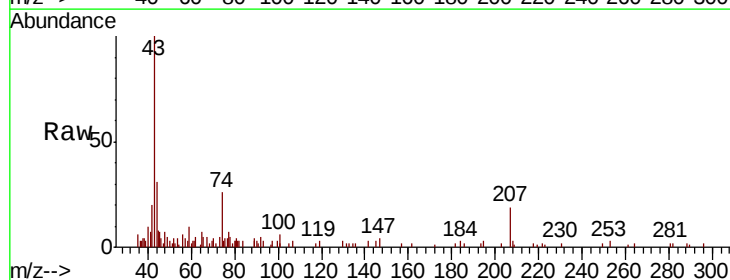
Instrument :
MSVOA_X
ClientSampleId :

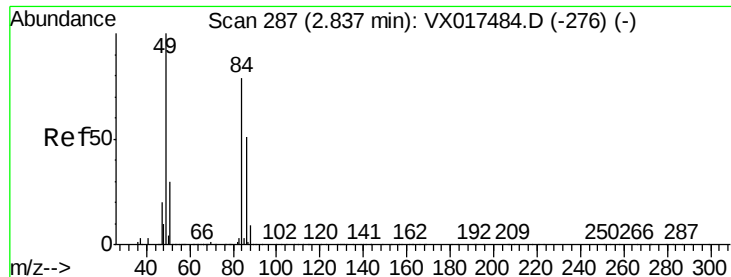
Tot Ion: 43 Resp: 34679
Ion Ratio Lower Upper
43 100
58 26.7 24.2 36.4



#18
Methyl Acetate
Concen: 1.512 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion: 43 Resp: 8491
Ion Ratio Lower Upper
43 100
74 24.4 17.5 26.3

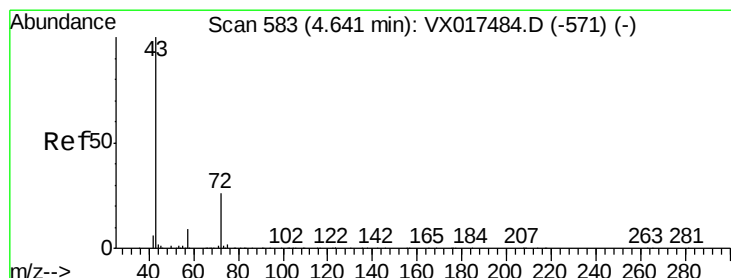
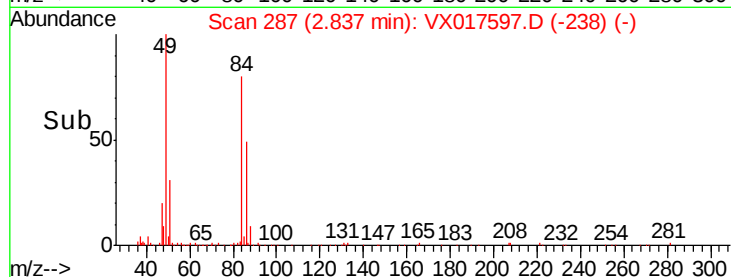
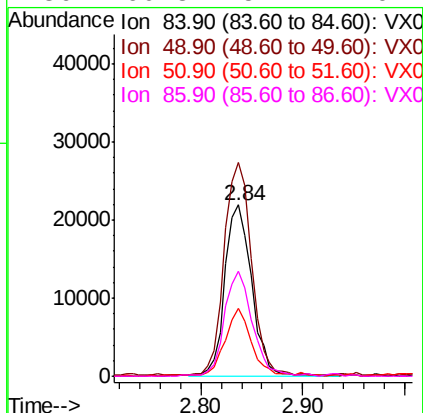
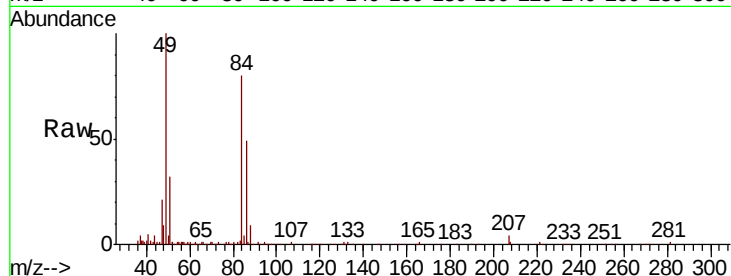




#20
Methvlene Chloride
Concen: 7.858 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

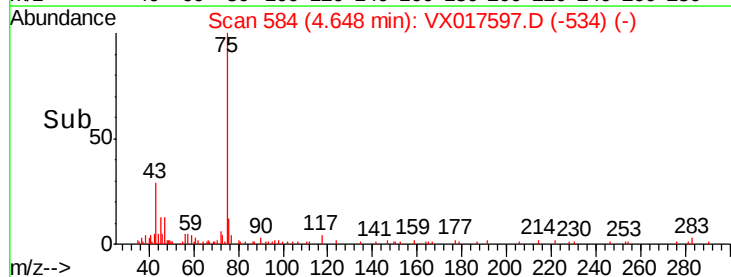
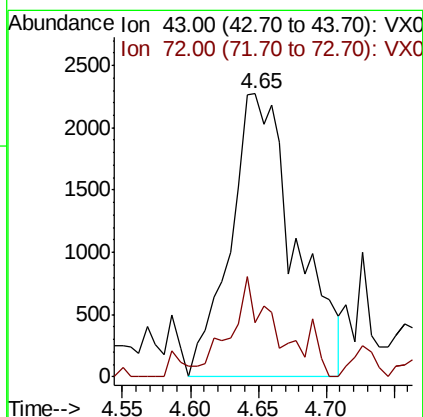
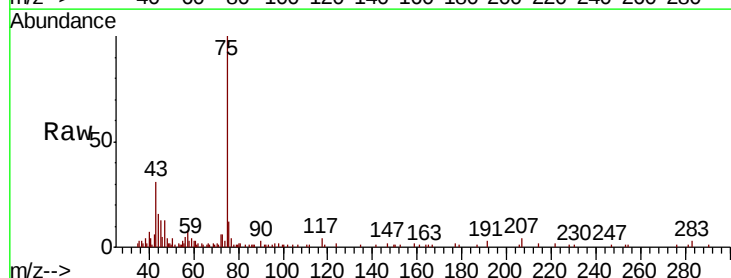
Instrument :
MSVOA_X
ClientSampleId :

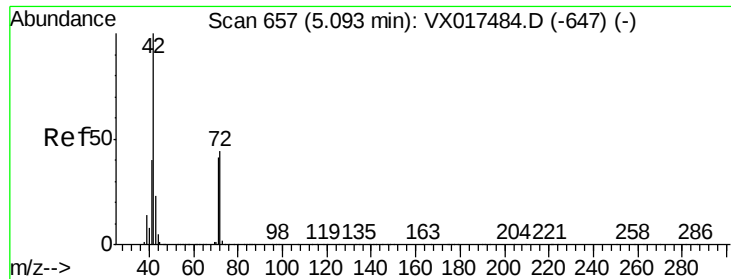
Tot Ion:	84	Resp:	40146
Ion	Ratio	Lower	Upper
84	100		
49	124.6	100.3	150.5
51	39.2	30.5	45.7
86	60.8	51.1	76.7



#25
2-Butanone
Concen: 2.240 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion:	43	Resp:	7588
Ion	Ratio	Lower	Upper
43	100		
72	19.0	19.0	28.4

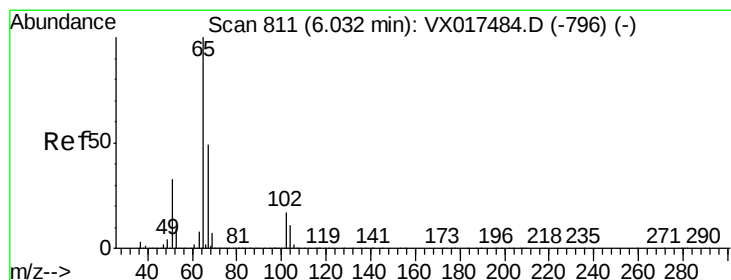
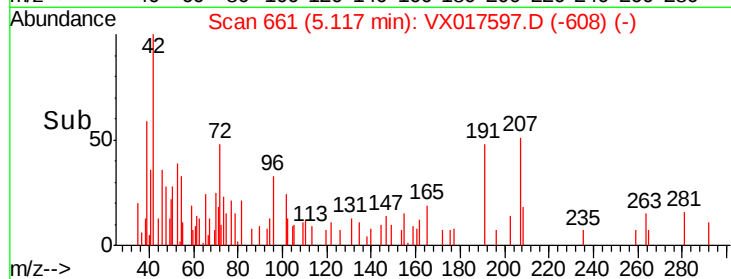
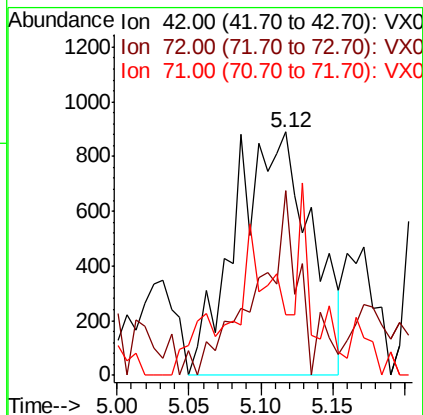
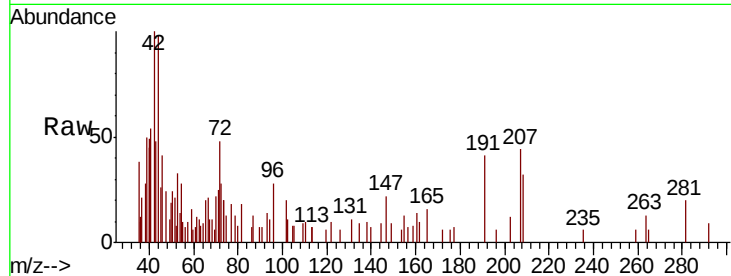




#29
Tetrahydrofuran
Concen: 1.565 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

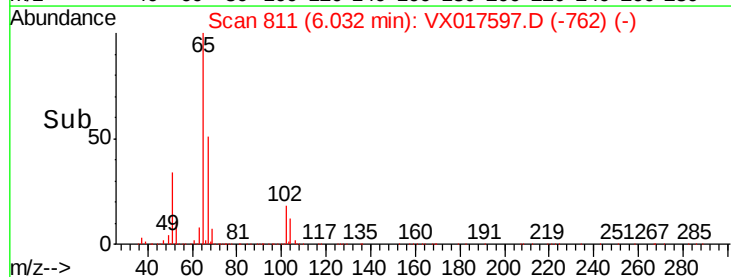
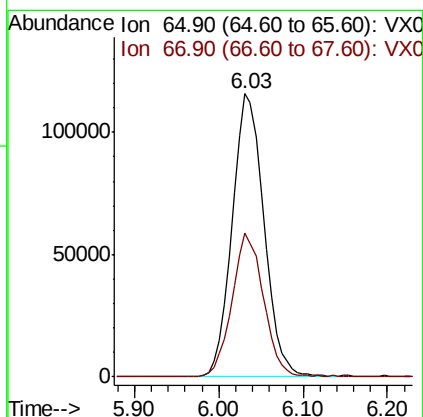
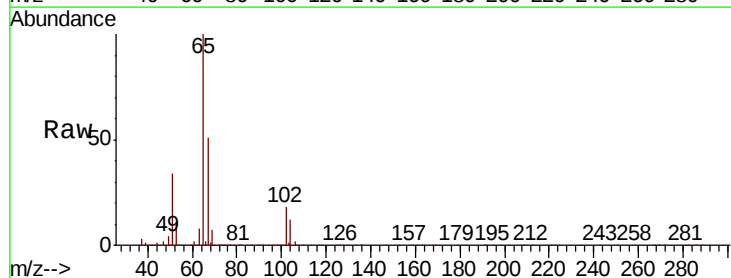
Instrument :
MSVOA_X
ClientSampled :

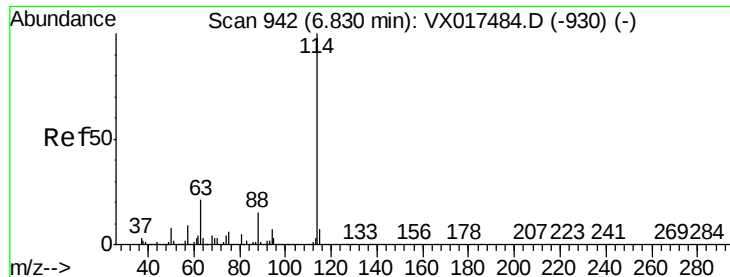
Tot Ion: 42 Resp: 3284
Ion Ratio Lower Upper
42 100
72 44.2 35.5 53.3
71 12.2 33.0 49.4#



#33
1,2-Dichloroethane-d4
Concen: 54.353 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion: 65 Resp: 294424
Ion Ratio Lower Upper
65 100
67 50.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

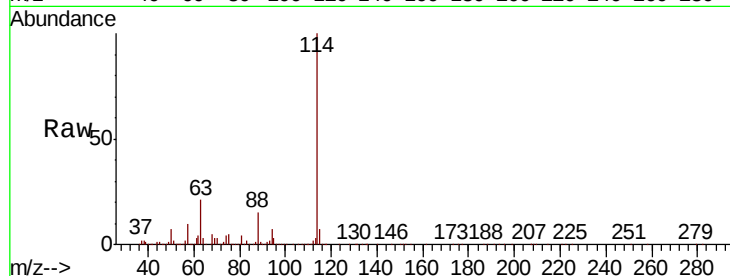
Tot Ion:114 Resp: 689072

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

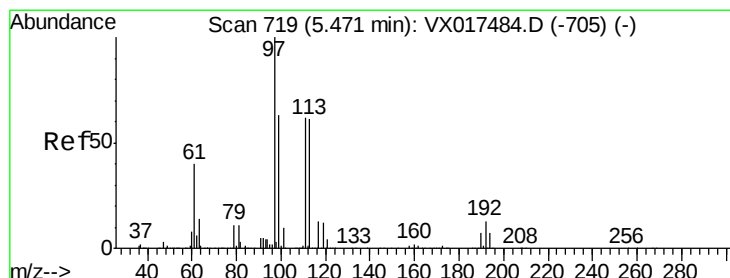
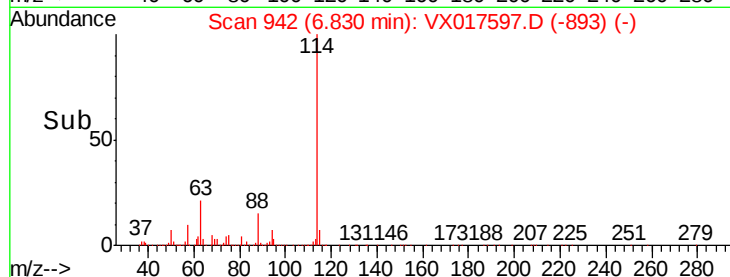
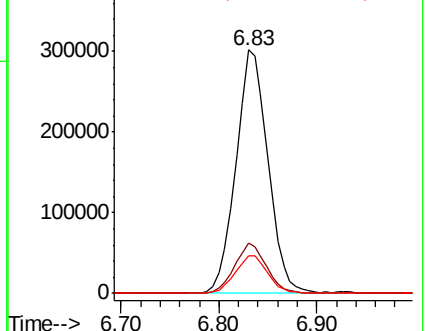
88 15.1 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 52.812 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

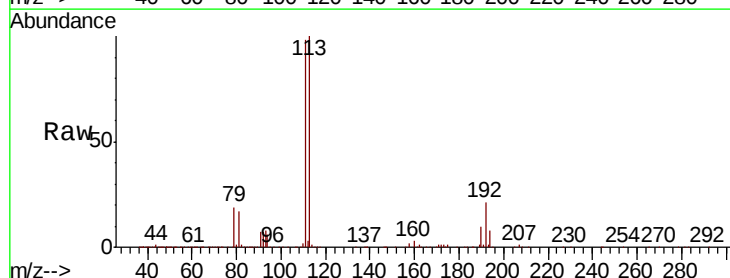
Tgt Ion:113 Resp: 243387

Ion Ratio Lower Upper

113 100

111 100.6 80.7 121.1

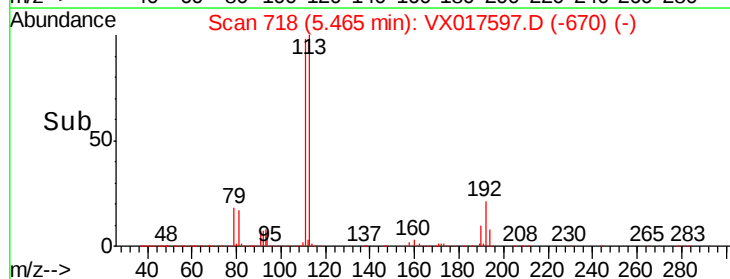
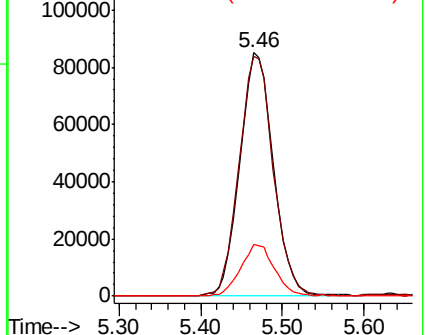
192 21.5 16.9 25.3

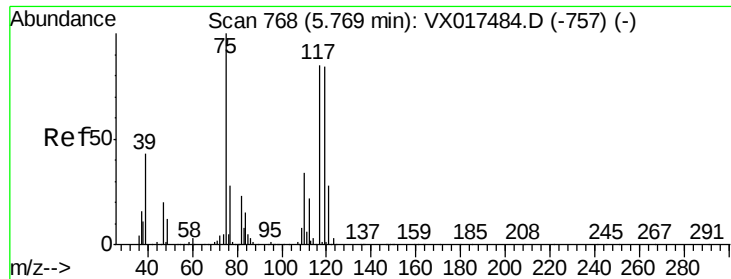


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

Instrument :

MSVOA_X

ClientSampled :

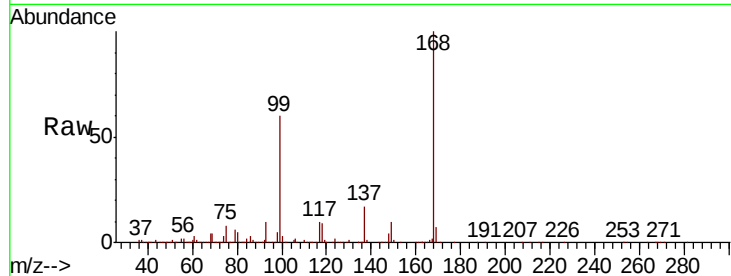
Tot Ion: 75 Resp: 30766

Ion Ratio Lower Upper

75 100

110 6.4 18.1 54.3#

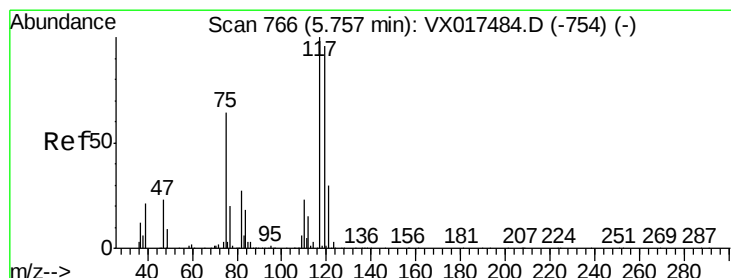
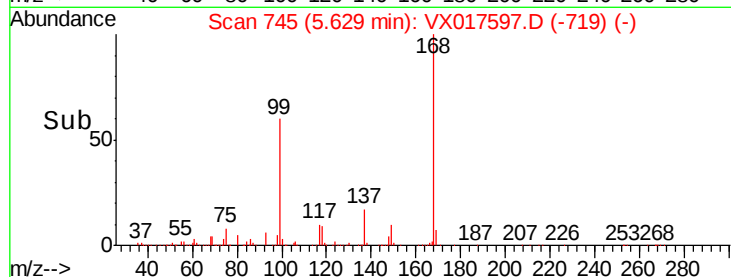
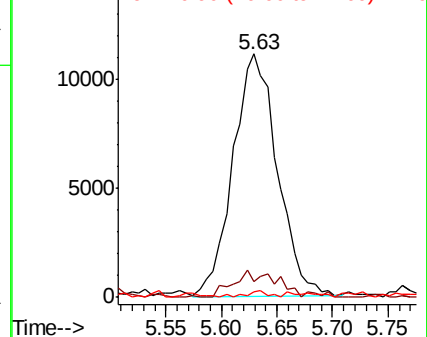
77 1.4 24.6 37.0#



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: 5.408 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

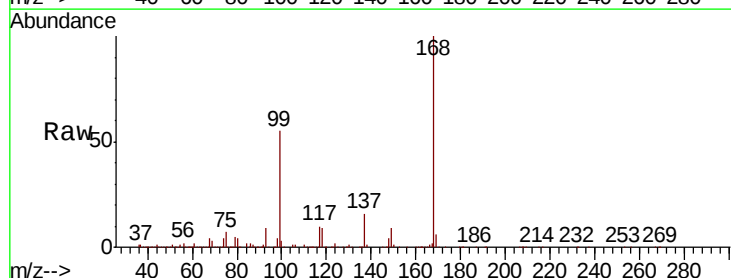
Tgt Ion: 117 Resp: 43401

Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

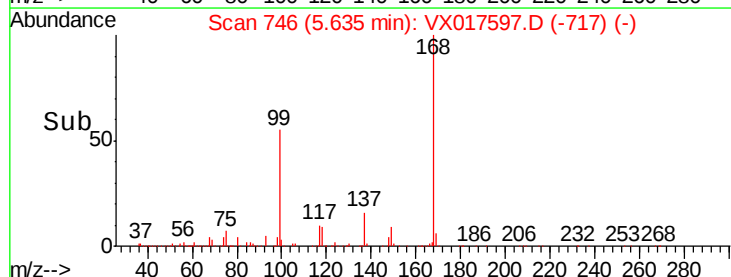
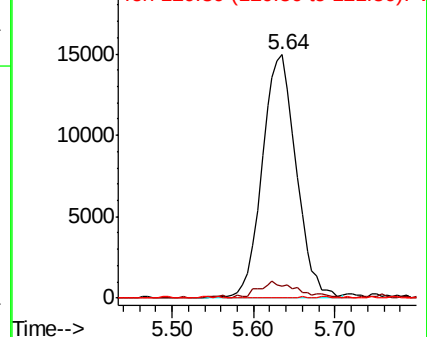
121 0.0 24.3 36.5#

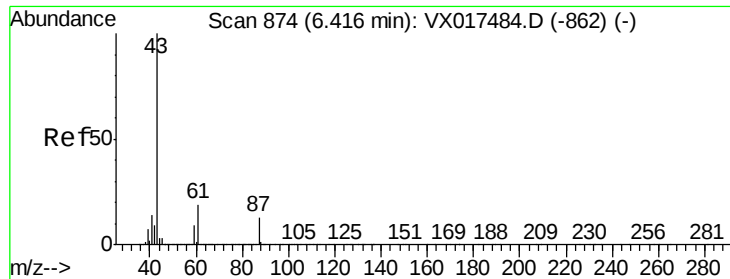


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



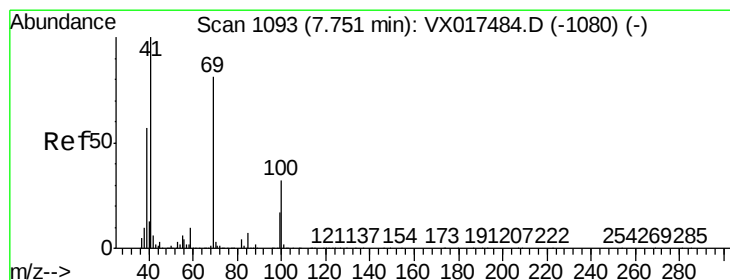
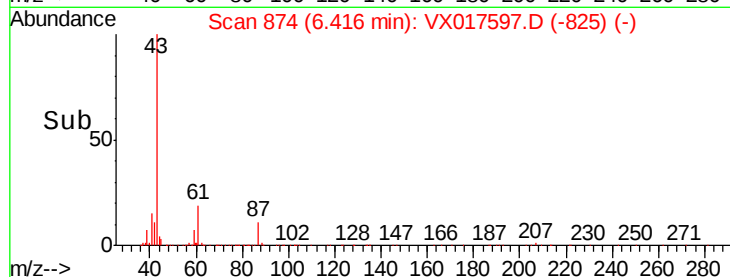
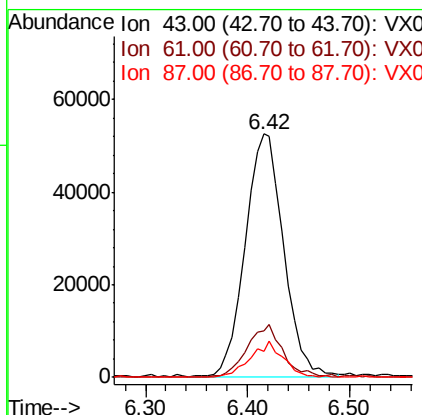
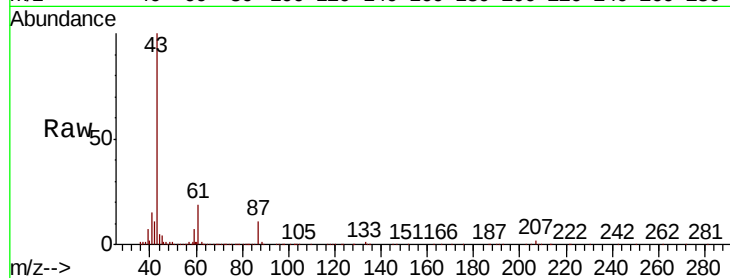


#43

Isopropyl Acetate
 Concen: 11.450 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX017597.D
 Acq: 25 Jul 2020 15:38

Instrument :
 MSVOA_X
 ClientSampleId :

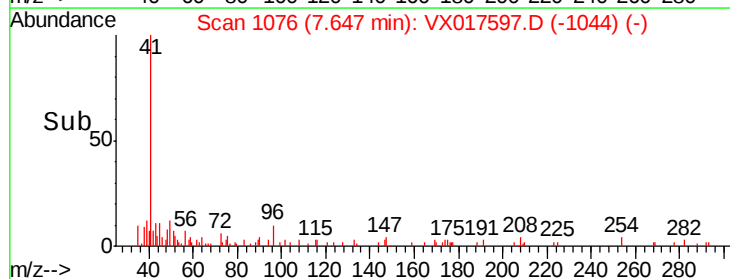
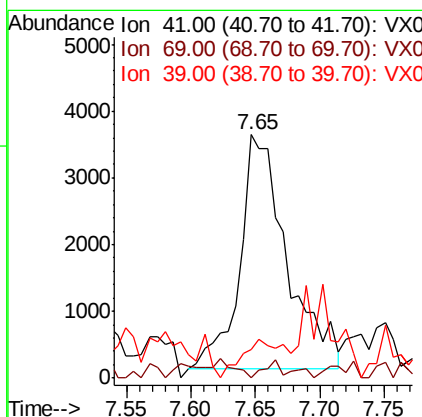
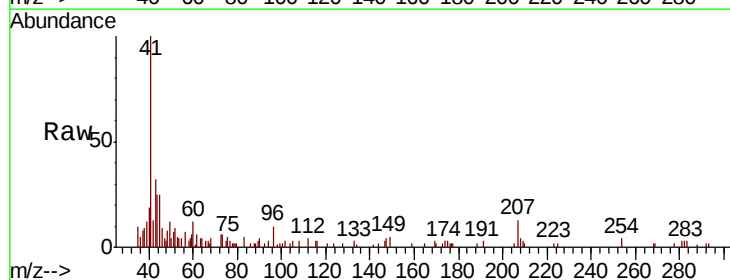
Tot Ion	43	Resp	136607
Ion Ratio	Lower	Upper	
43	100		
61	20.3	15.5	23.3
87	12.8	10.5	15.7

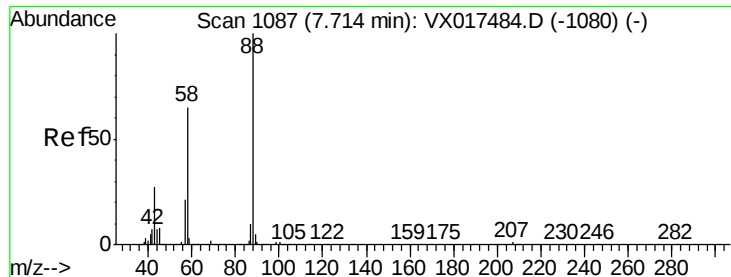


#48

Methyl methacrylate
 Concen: 1.501 ug/l
 RT: 7.65 min Scan# 1076
 Delta R.T. -0.10 min
 Lab File: VX017597.D
 Acq: 25 Jul 2020 15:38

Tgt Ion	41	Resp	8879
Ion Ratio	Lower	Upper	
41	100		
69	2.8	63.1	94.7#
39	0.0	45.1	67.7#

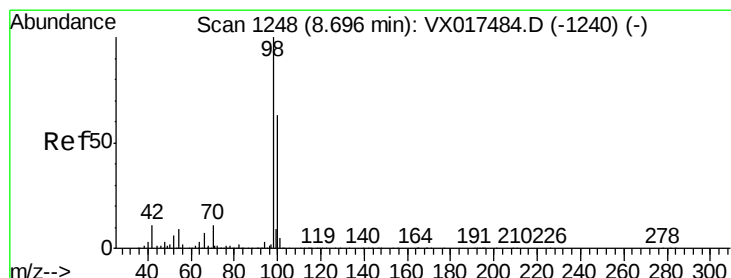
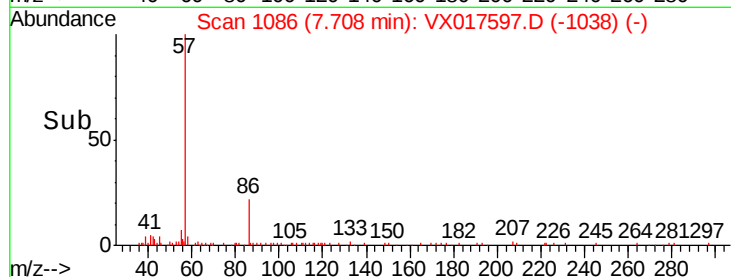
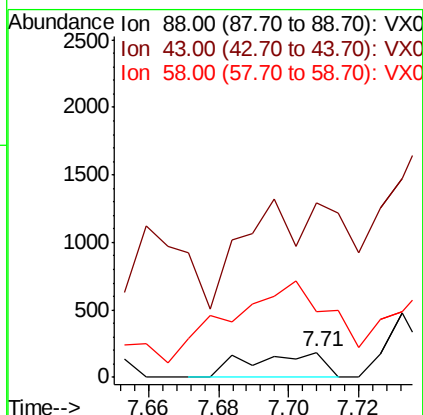
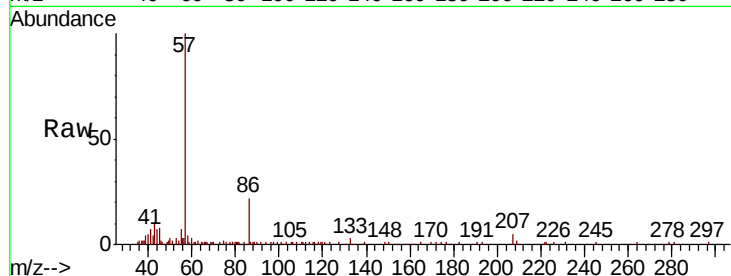




#49
1,4-Dioxane
Concen: 2.381 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

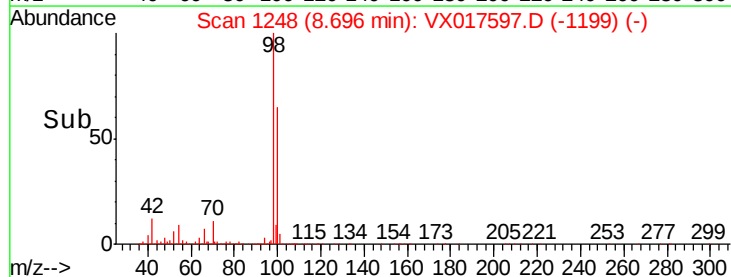
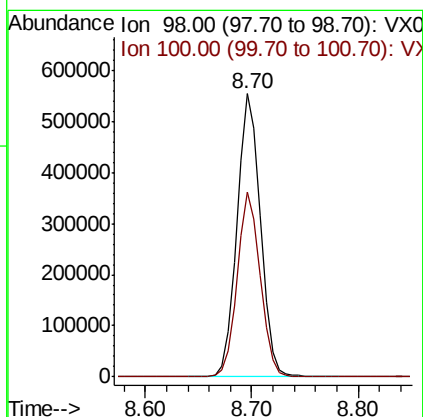
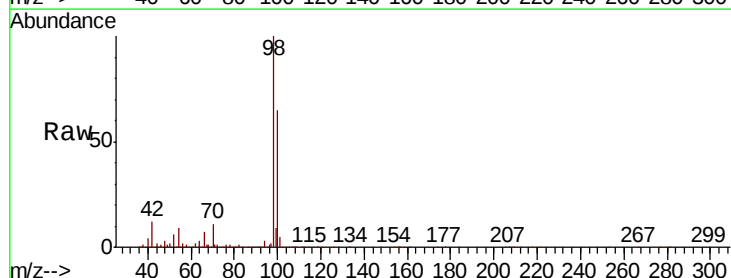
Instrument :
MSVOA_X
ClientSampleId :

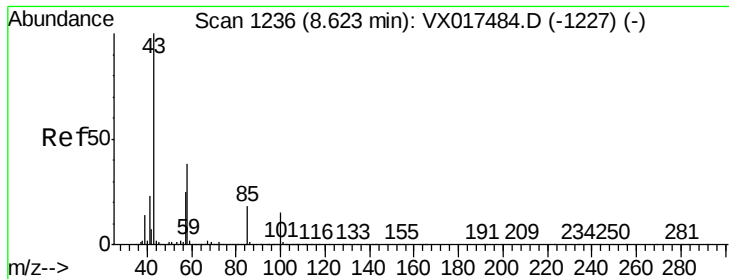
Tot Ion: 88 Resp: 270
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 654.8 58.3 87.5#



#50
Toluene-d8
Concen: 51.638 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion: 98 Resp: 858491
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 19.275 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

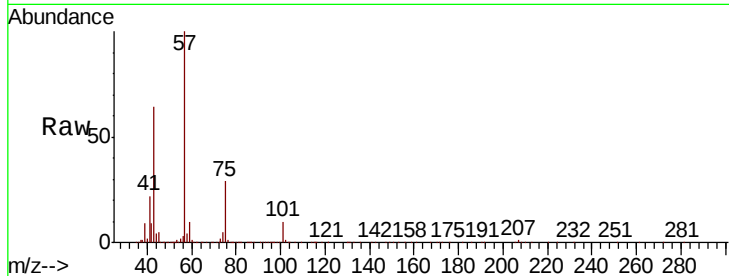
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 137216

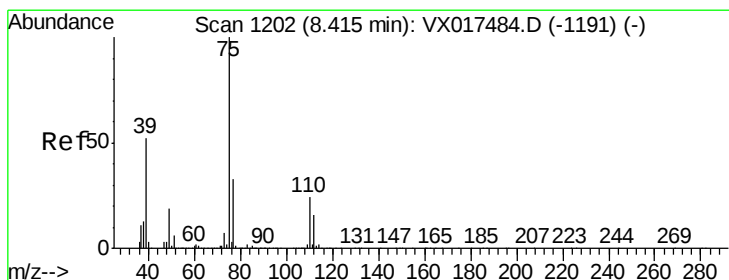
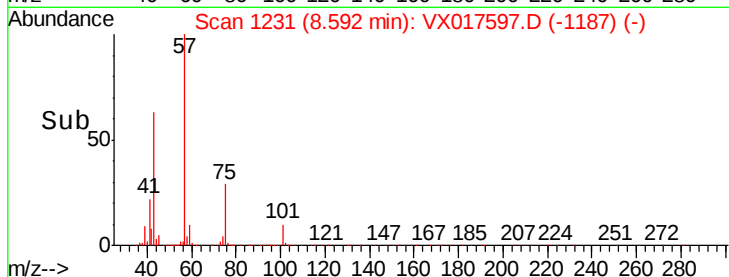
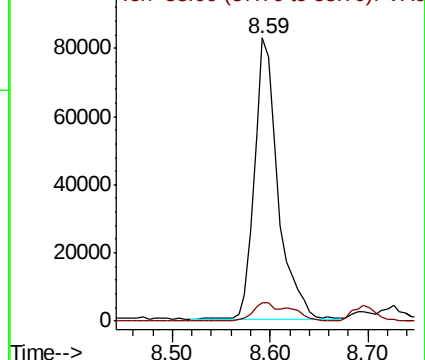
Ion Ratio Lower Upper

43 100

58 6.8 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 6.912 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

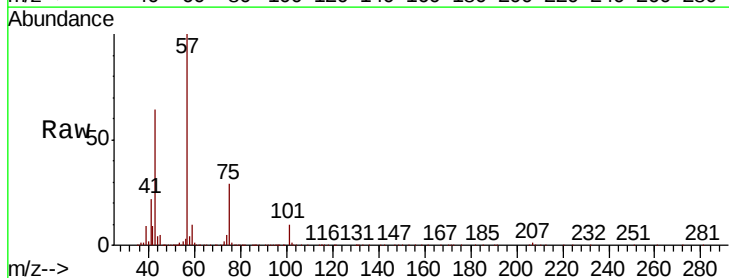
Tgt Ion: 75 Resp: 58943

Ion Ratio Lower Upper

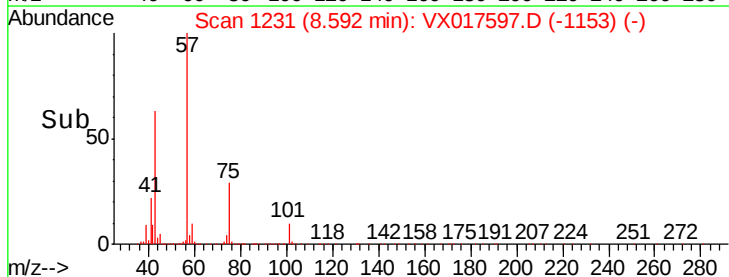
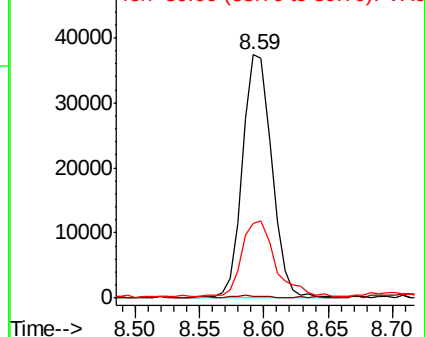
75 100

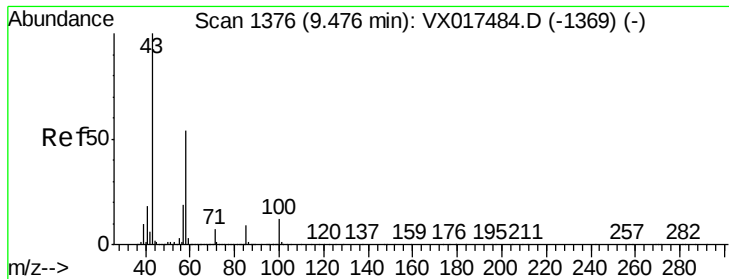
77 0.9 25.5 38.3#

39 30.1 41.8 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0

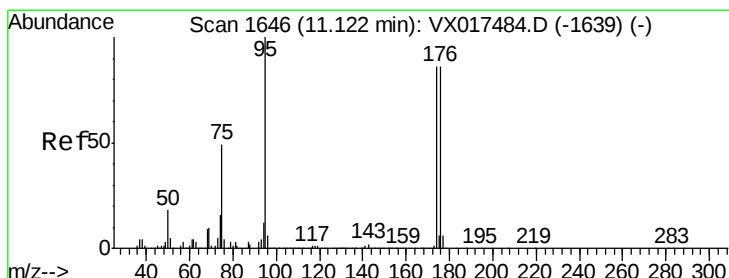
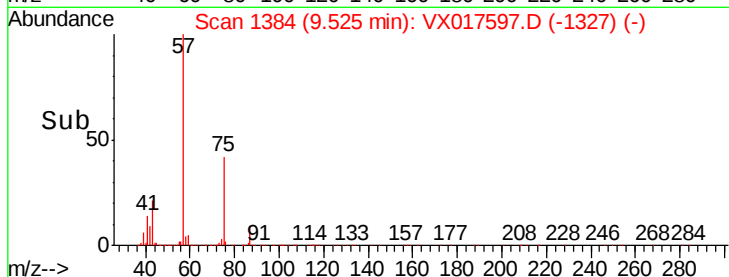
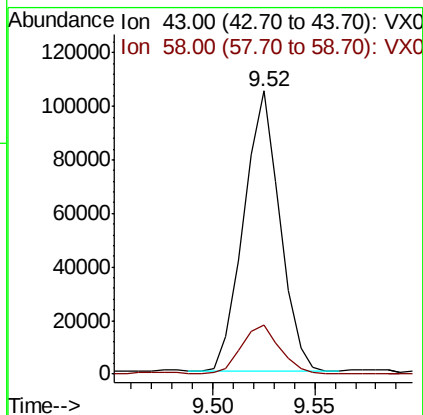
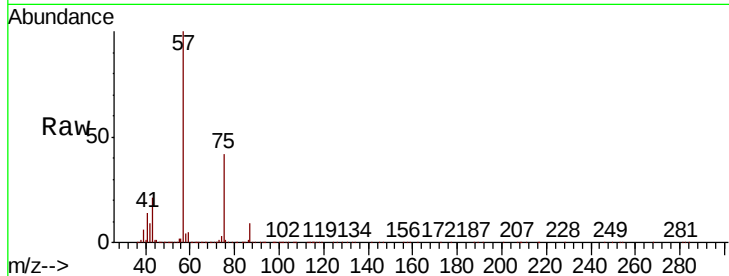




#59
2-Hexanone
Concen: 24.045 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

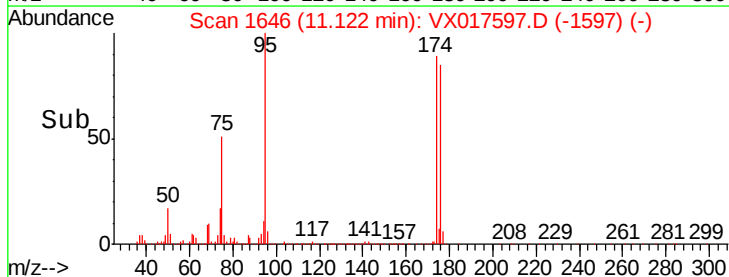
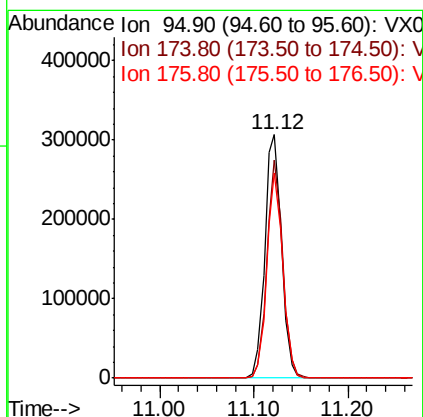
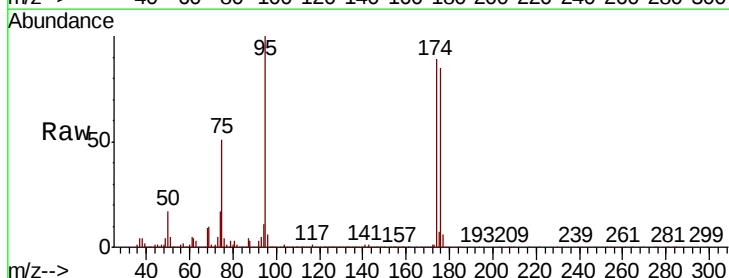
Instrument :
MSVOA_X
ClientSampled :

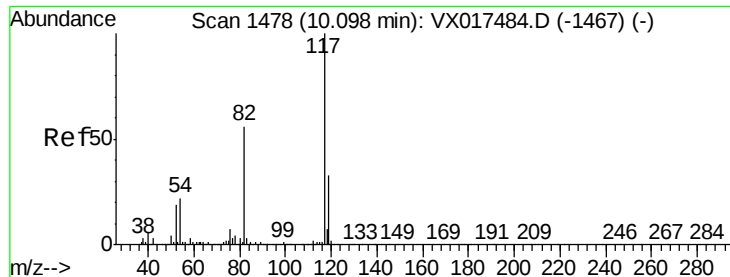
Tot Ion: 43 Resp: 128870
Ion Ratio Lower Upper
43 100
58 18.7 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 57.901 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion: 95 Resp: 385239
Ion Ratio Lower Upper
95 100
174 84.6 0.0 169.0
176 80.6 0.0 161.0

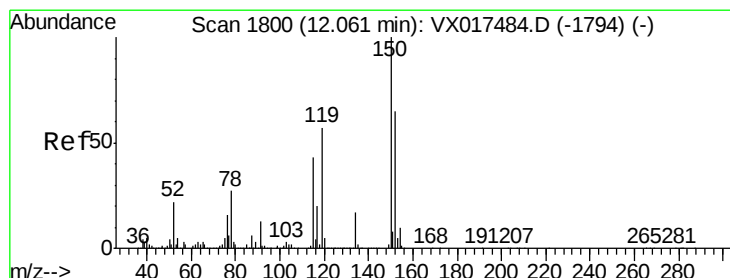
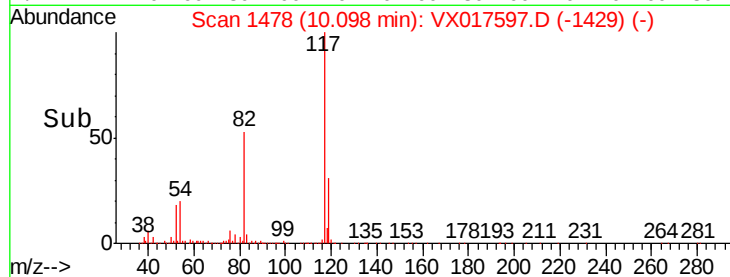
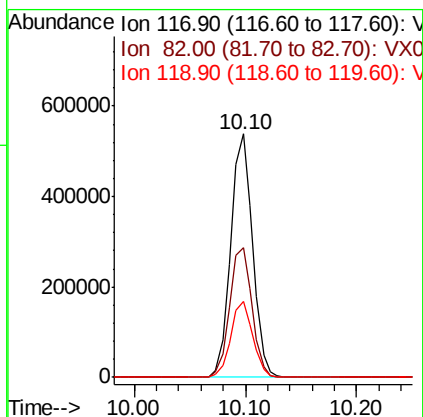
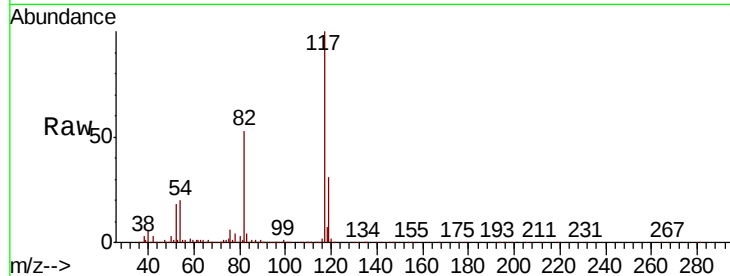




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

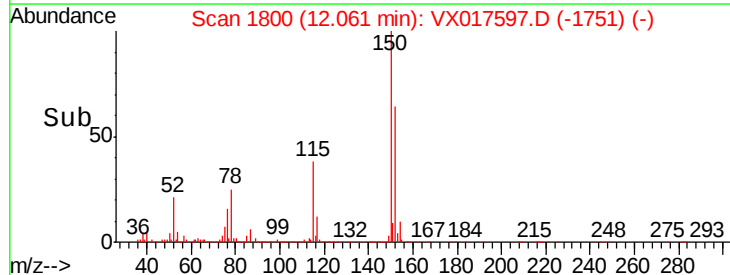
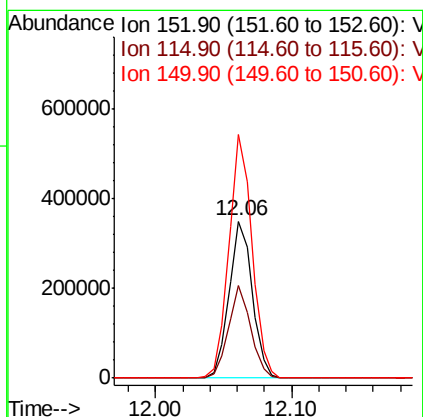
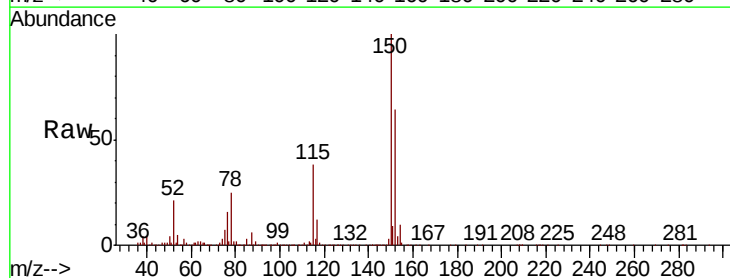
Instrument :
MSVOA_X
ClientSampleId :

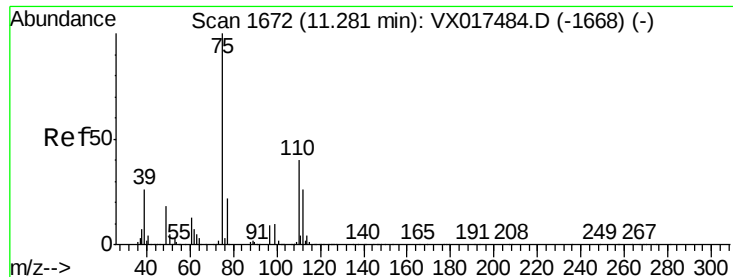
Tot Ion:117 Resp: 727867
Ion Ratio Lower Upper
117 100
82 53.5 44.0 66.0
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017597.D
Acq: 25 Jul 2020 15:38

Tgt Ion:152 Resp: 413987
Ion Ratio Lower Upper
152 100
115 57.0 65.5 196.6#
150 154.9 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.092 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

Instrument :

MSVOA_X

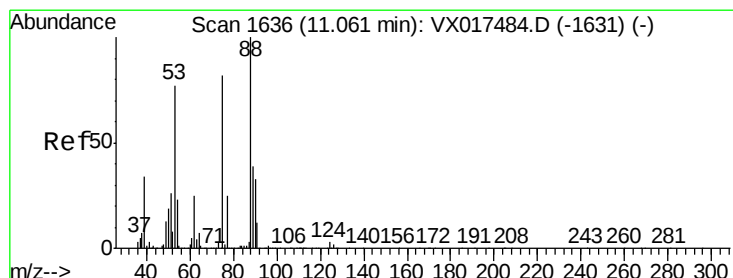
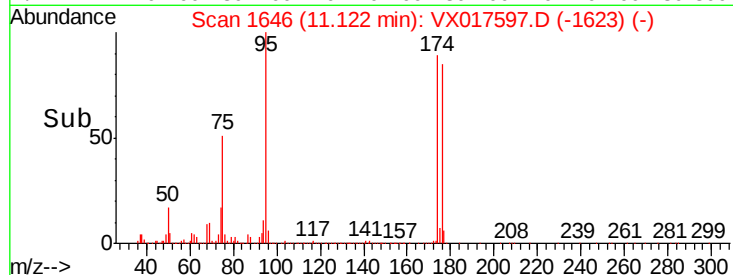
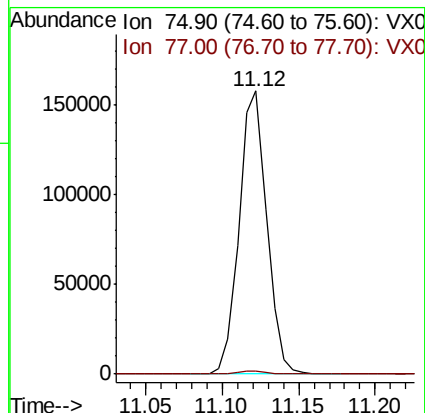
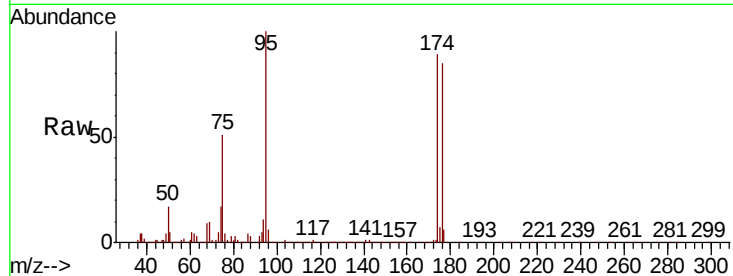
ClientSampleId :

Tot Ion: 75 Resp: 196653

Ion Ratio Lower Upper

75 100

77 1.5 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.188 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

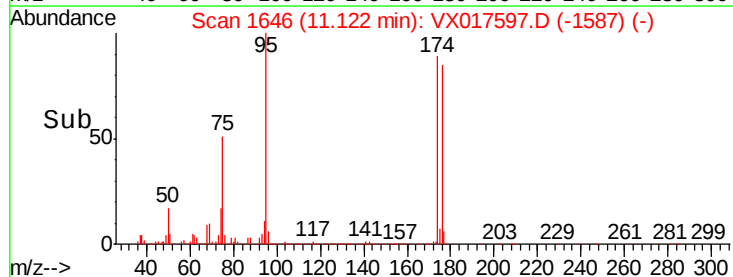
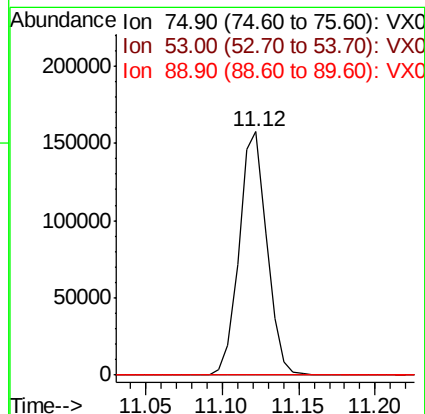
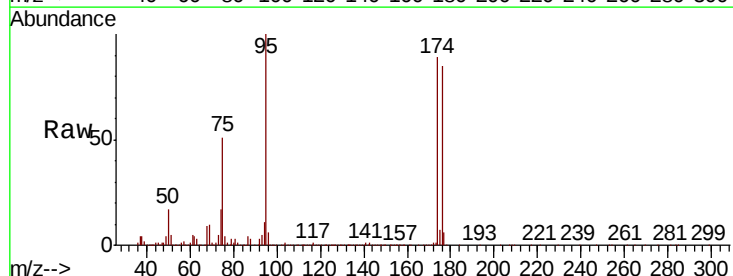
Tgt Ion: 75 Resp: 196653

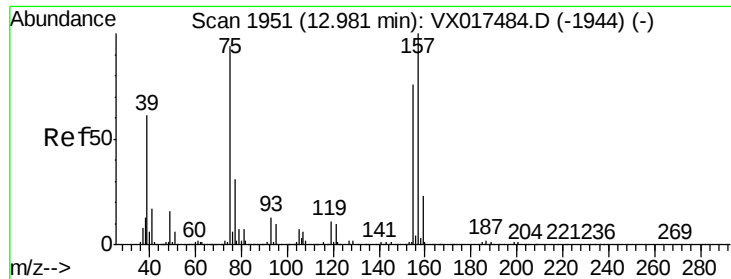
Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.639 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017597.D

Acq: 25 Jul 2020 15:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 165

Ion Ratio Lower Upper

75 100

155 18.8 42.3 126.8#

157 13.3 54.3 162.9#

