

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017601.D
 Acq On : 25 Jul 2020 17:09
 Operator : JC/SP
 Sample : L3383-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 01:15:52 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	442152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	697970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	820934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	422109	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	298876	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	5.46	113	256748	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
50) Toluene-d8	8.70	98	963571	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	
62) 4-Bromofluorobenzene	11.12	95	415257	61.62	ug/l	0.00
Spiked Amount			Recovery	=	123.24%	

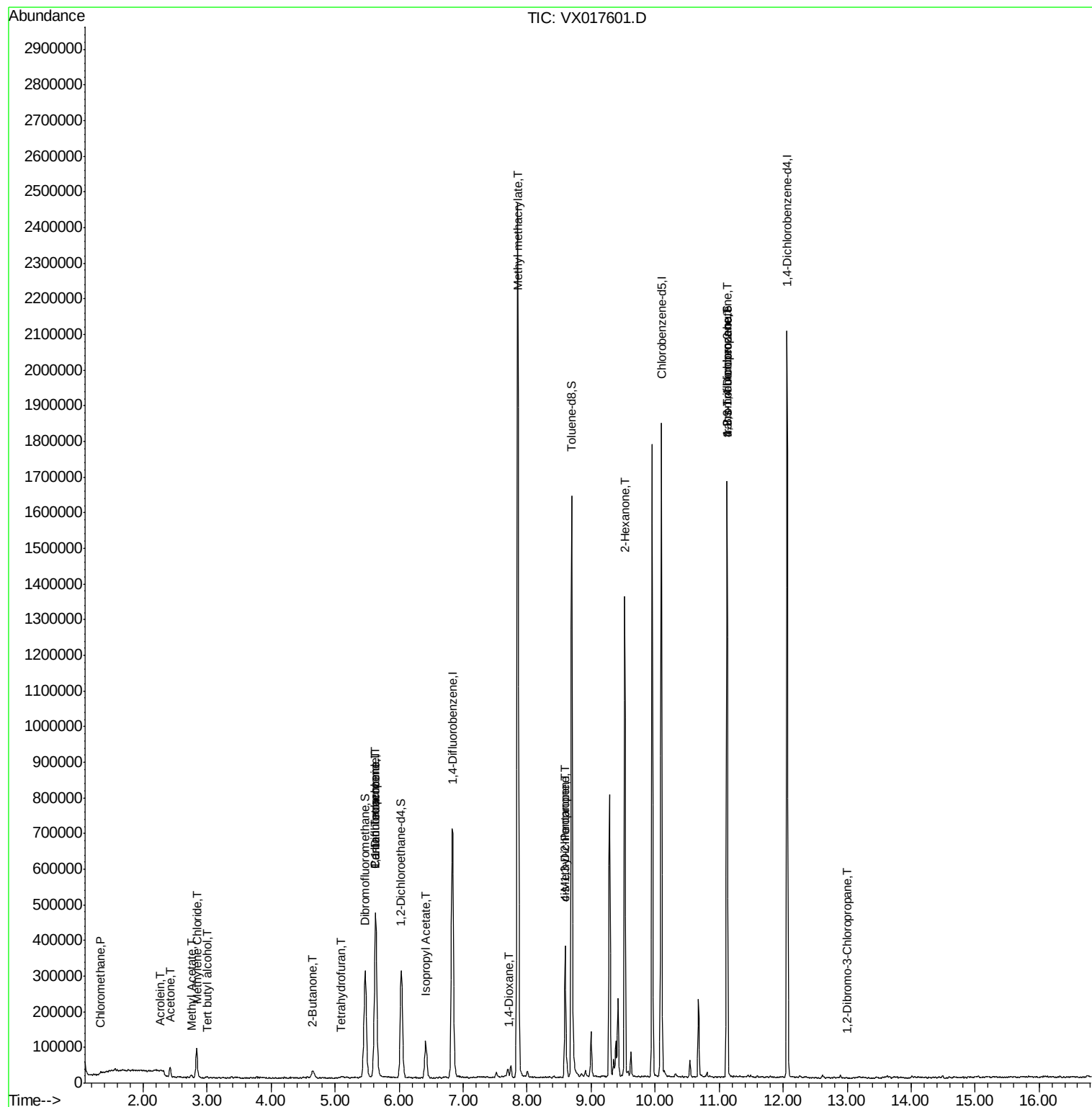
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	383	Below Cal	#	52
3) Chloromethane	1.32	50	852	0.522	ug/l #	21
5) Bromomethane	1.64	94	625	Below Cal	#	34
6) Chloroethane	1.74	64	418	Below Cal	#	46
8) Diethyl Ether	2.17	74	1565	Below Cal		53
11) Tert butyl alcohol	3.00	59	3235	2.703	ug/l #	93
13) Acrolein	2.28	56	1316	5.565	ug/l #	27
16) Acetone	2.42	43	29196	11.679	ug/l	98
18) Methyl Acetate	2.75	43	7204	1.224	ug/l #	78
20) Methylene Chloride	2.84	84	37492	6.855	ug/l	94
25) 2-Butanone	4.64	43	7941	2.236	ug/l #	84
29) Tetrahydrofuran	5.09	42	1117	0.508	ug/l #	57
36) 1,1-Dichloropropene	5.64	75	32970	4.925	ug/l #	53
38) Carbon Tetrachloride	5.62	117	44004	5.413	ug/l #	18
43) Isopropyl Acetate	6.42	43	142513	11.793	ug/l	100
48) Methyl methacrylate	7.85	41	221371	36.954	ug/l #	45
49) 1,4-Dioxane	7.71	88	141	1.228	ug/l #	22
51) 4-Methyl-2-Pentanone	8.59	43	137135	19.019	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	56625	6.555	ug/l #	58
59) 2-Hexanone	9.52	43	152353	28.064	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	210657	24.261	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	210657	61.132	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	353	2.708	ug/l #	11

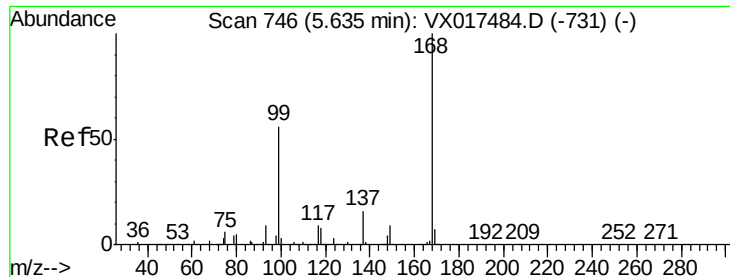
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
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: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

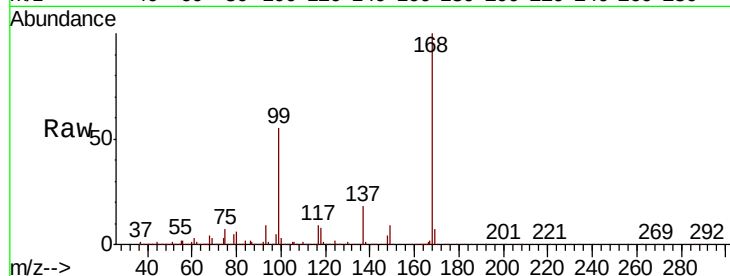
ClientSampleId :

Tot Ion:168 Resp: 442152

Ion Ratio Lower Upper

168 100

99 55.1 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

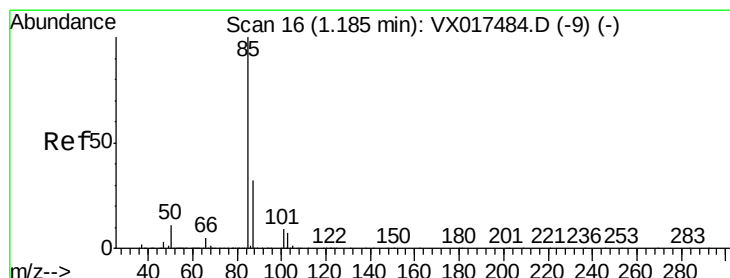
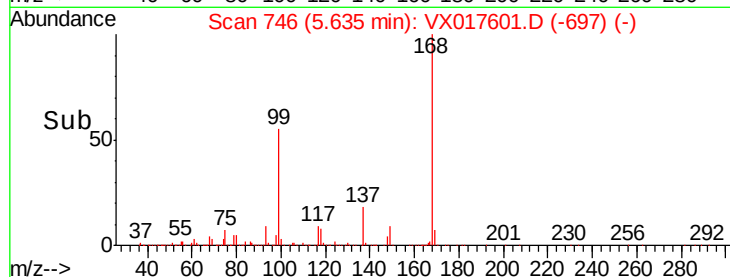
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017601.D

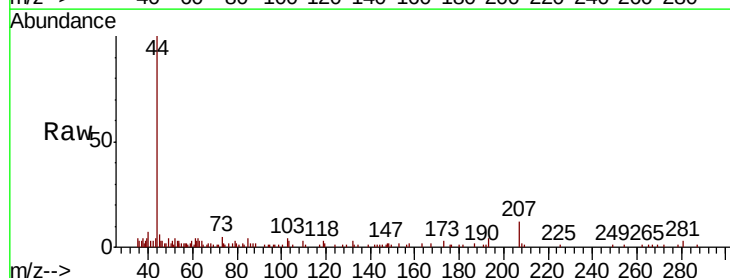
Acq: 25 Jul 2020 17:09

Tgt Ion: 85 Resp: 383

Ion Ratio Lower Upper

85 100

87 58.8 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

250

200

150

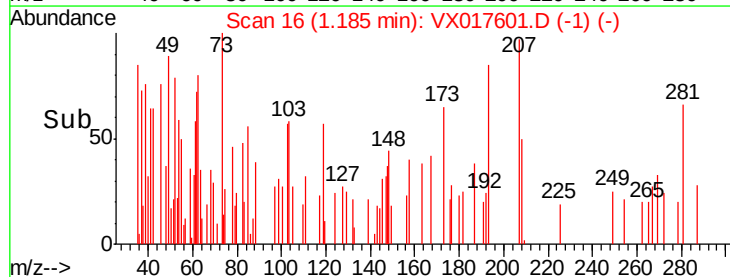
100

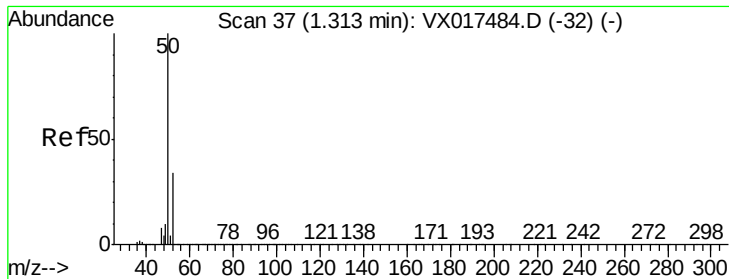
50

0

Time-->

1.14 1.16 1.18 1.20





#3

Chloromethane

Concen: 0.522 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

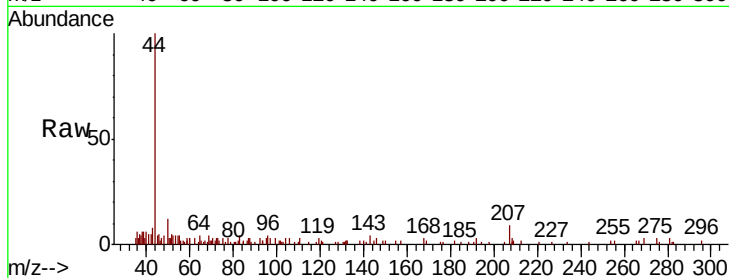
ClientSampled :

Tot Ion: 50 Resp: 852

Ion Ratio Lower Upper

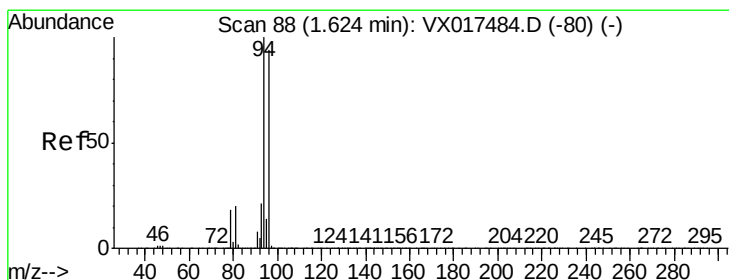
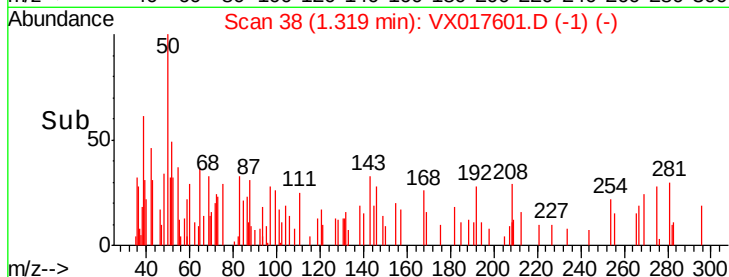
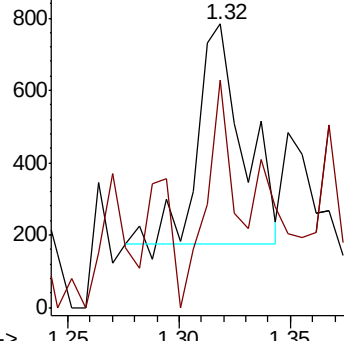
50 100

52 76.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017601.D

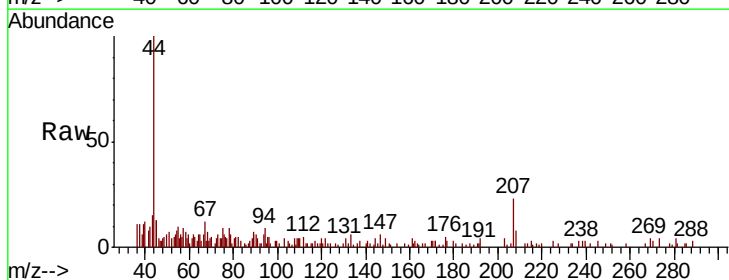
Acq: 25 Jul 2020 17:09

Tgt Ion: 94 Resp: 625

Ion Ratio Lower Upper

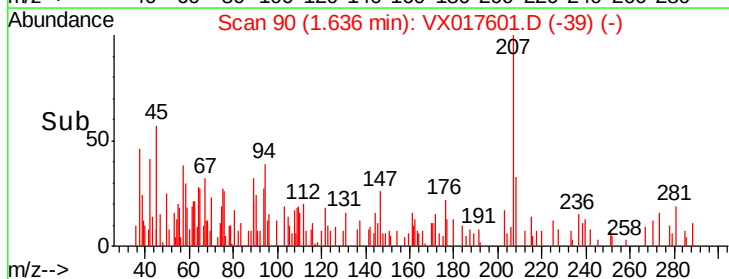
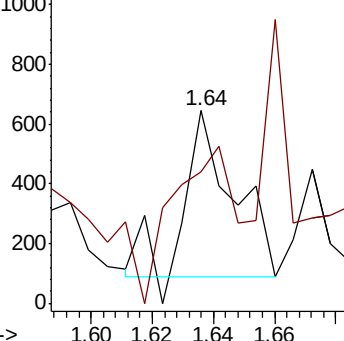
94 100

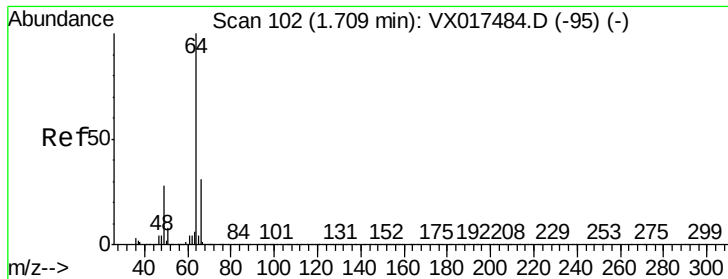
96 29.4 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 107

Delta R.T. 0.03 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

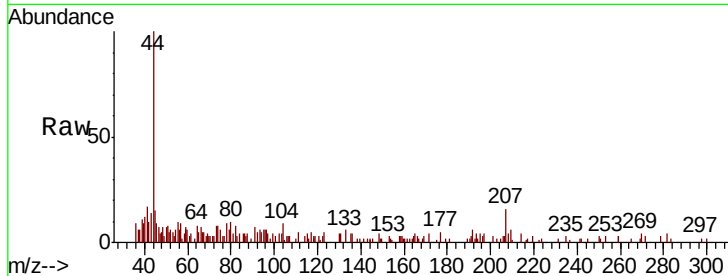
ClientSampled :

Tot Ion: 64 Resp: 418

Ion Ratio Lower Upper

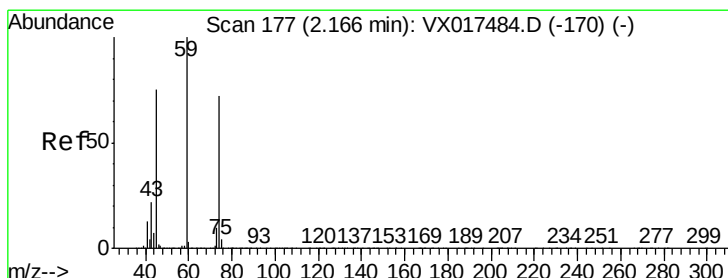
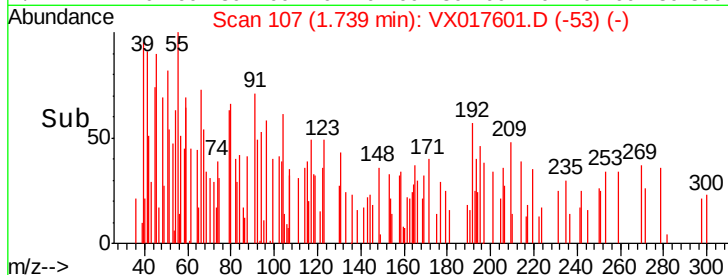
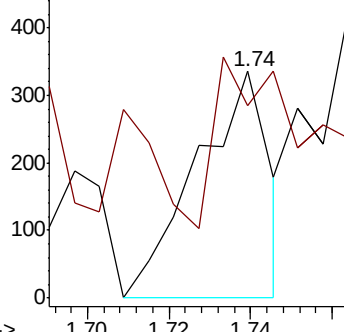
64 100

66 1.2 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: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017601.D

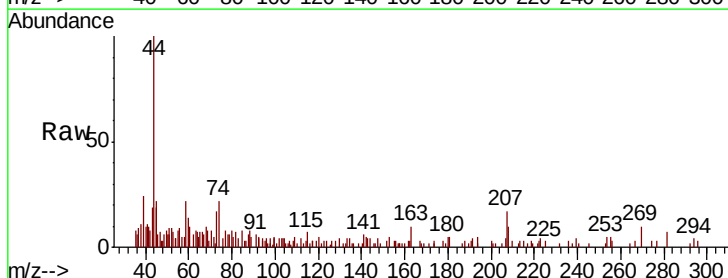
Acq: 25 Jul 2020 17:09

Tgt Ion: 74 Resp: 1565

Ion Ratio Lower Upper

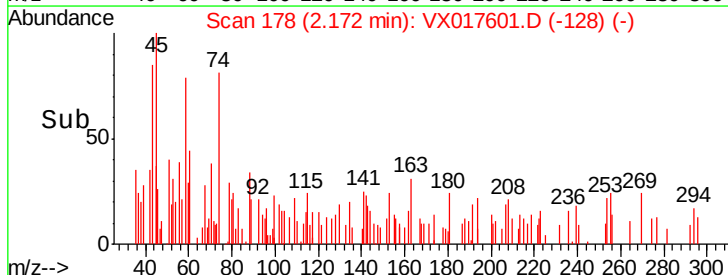
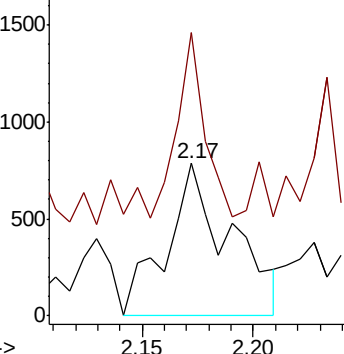
74 100

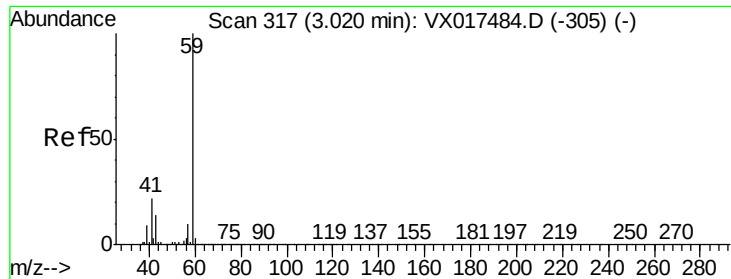
45 54.1 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



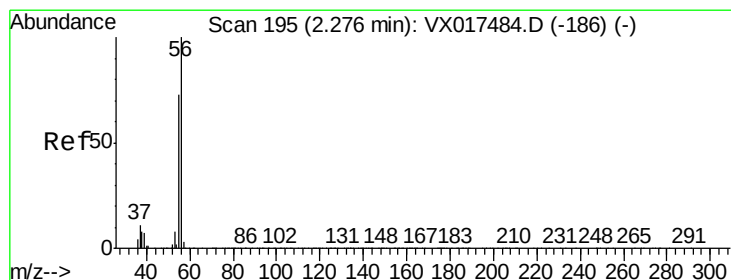
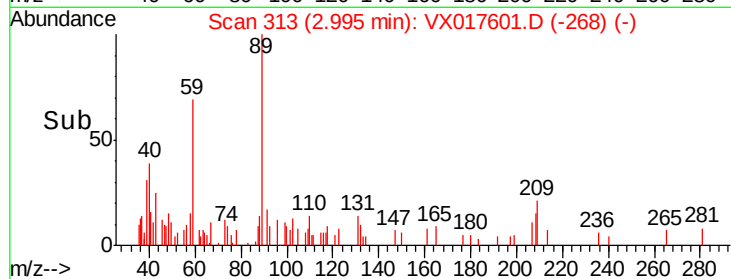
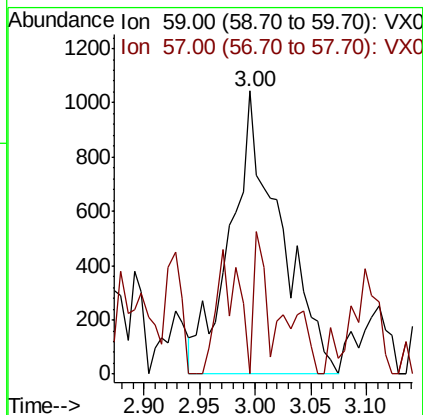
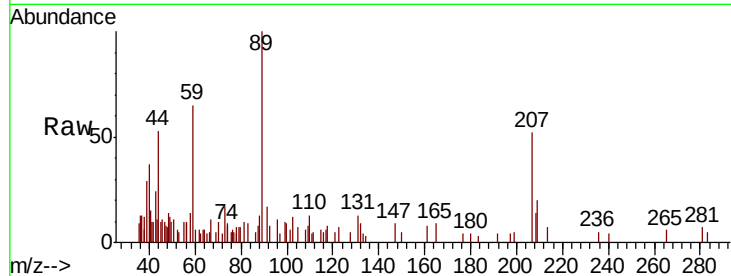


#11

Tert butyl alcohol
Concen: 2.703 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Instrument :
MSVOA_X
ClientSampled :

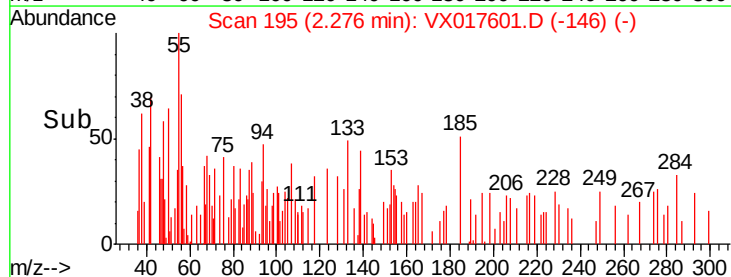
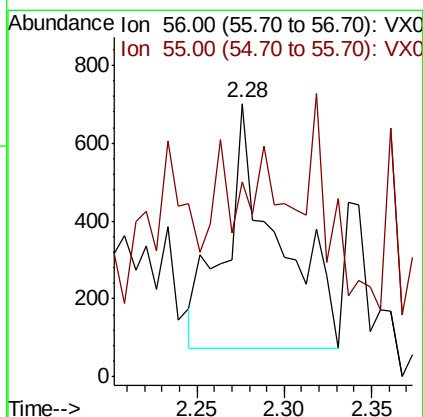
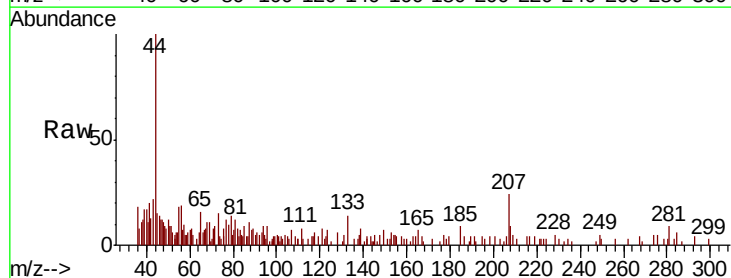
Tot Ion: 59 Resp: 3235
Ion Ratio Lower Upper
59 100
57 13.3 8.6 12.8#

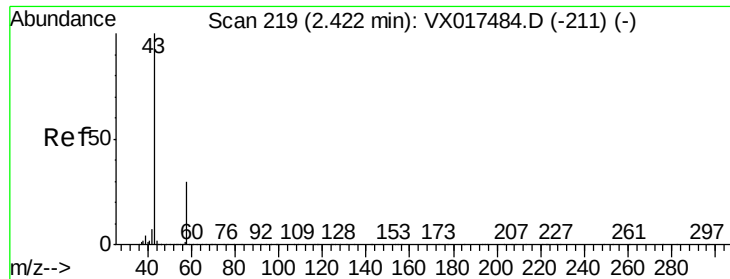


#13

Acrolein
Concen: 5.565 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Tgt Ion: 56 Resp: 1316
Ion Ratio Lower Upper
56 100
55 11.4 57.4 86.2#

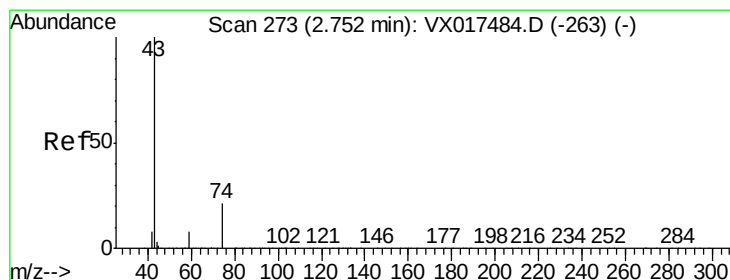
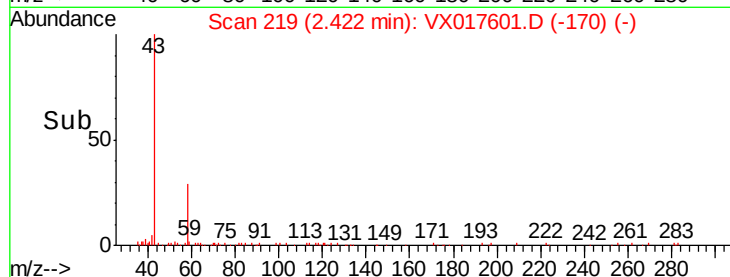
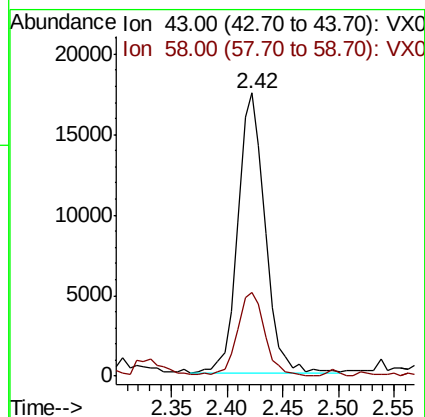
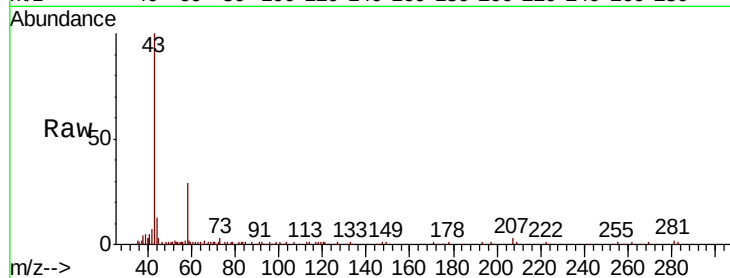




#16
Acetone
Concen: 11.679 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

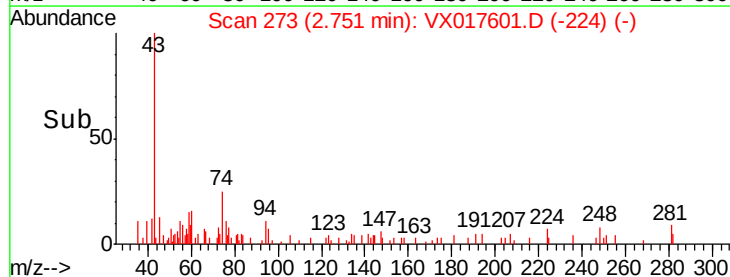
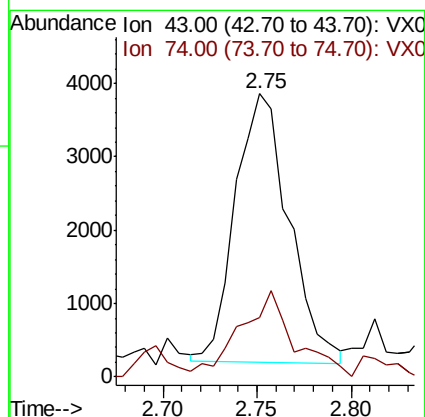
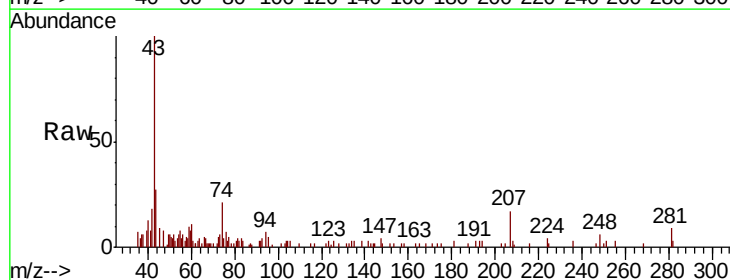
Instrument :
MSVOA_X
ClientSampleId :

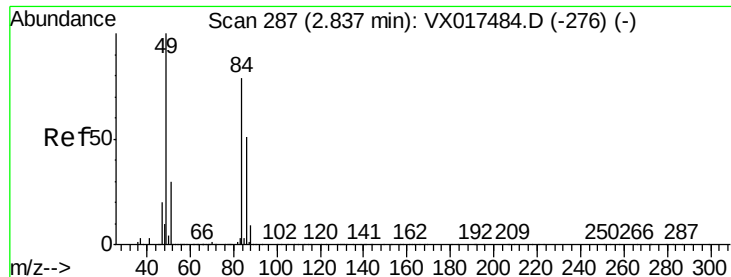
Tot Ion: 43 Resp: 29196
Ion Ratio Lower Upper
43 100
58 29.3 24.2 36.4



#18
Methyl Acetate
Concen: 1.224 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Tgt Ion: 43 Resp: 7204
Ion Ratio Lower Upper
43 100
74 32.5 17.5 26.3#

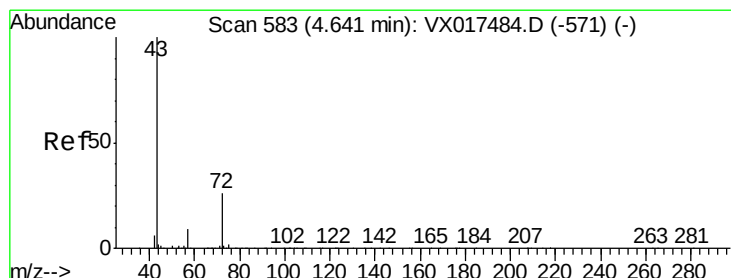
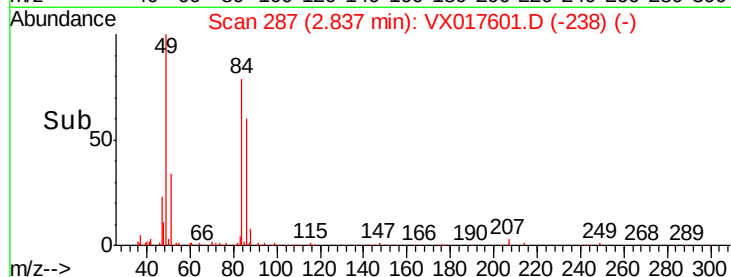
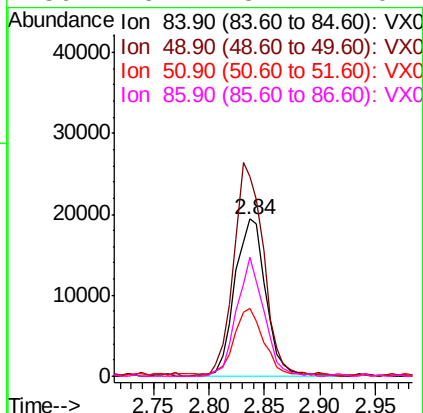
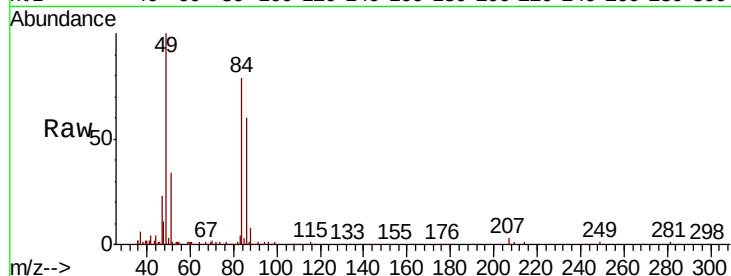




#20
Methvlene Chloride
Concen: 6.855 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

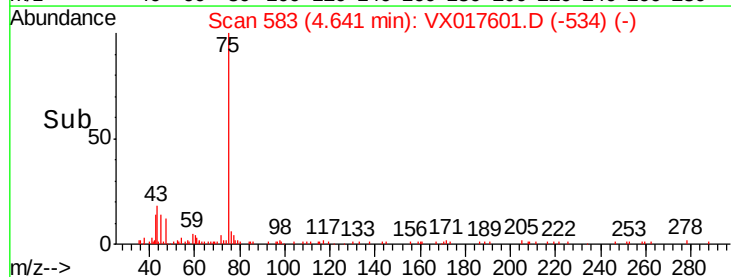
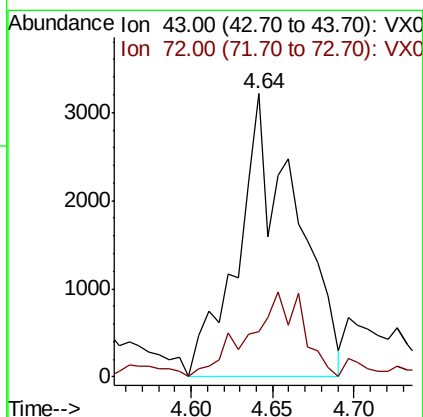
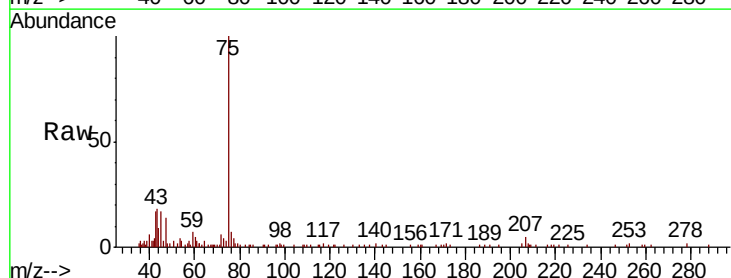
Instrument :
MSVOA_X
ClientSampleId :

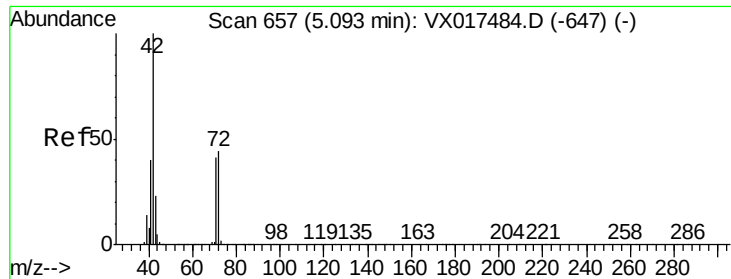
Tot Ion:	84	Resp:	37492
Ion	Ratio	Lower	Upper
84	100		
49	126.1	100.3	150.5
51	42.5	30.5	45.7
86	75.7	51.1	76.7



#25
2-Butanone
Concen: 2.236 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Tgt Ion:	43	Resp:	7941
Ion	Ratio	Lower	Upper
43	100		
72	16.1	19.0	28.4#





#29

Tetrahydrofuran

Concen: 0.508 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

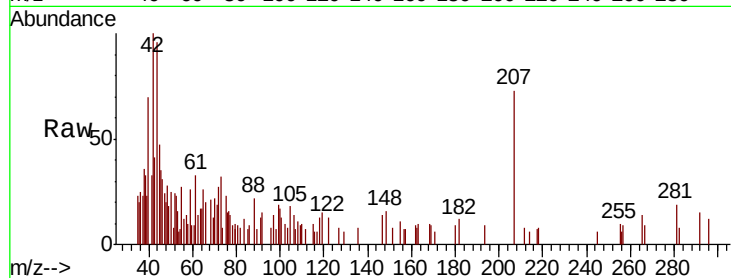
Tot Ion: 42 Resp: 1117

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

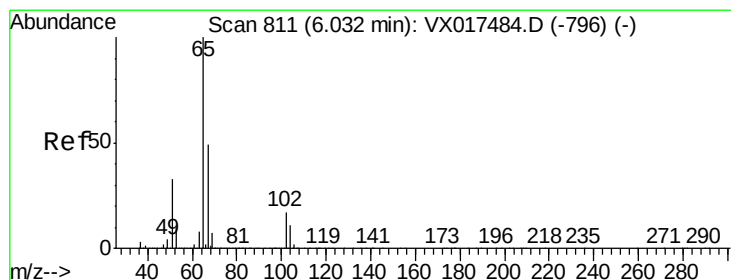
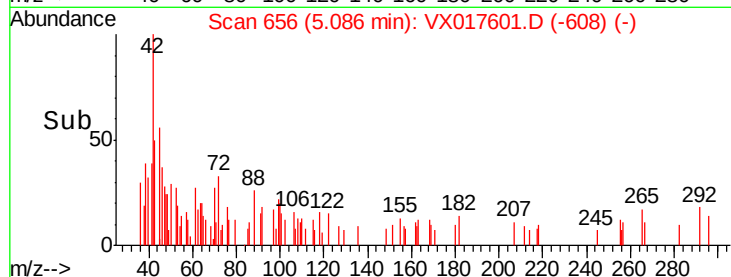
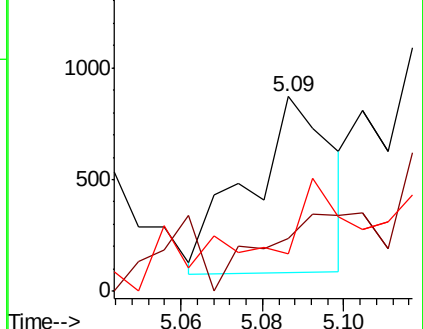
71 31.2 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.622 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017601.D

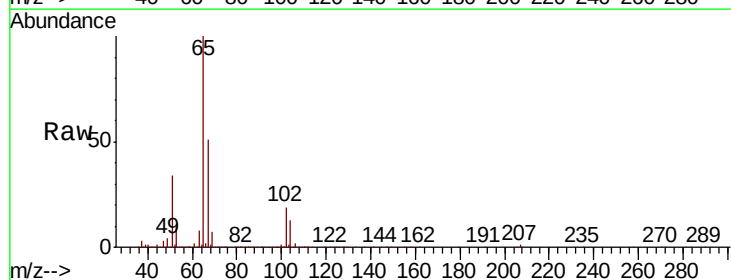
Acq: 25 Jul 2020 17:09

Tgt Ion: 65 Resp: 298876

Ion Ratio Lower Upper

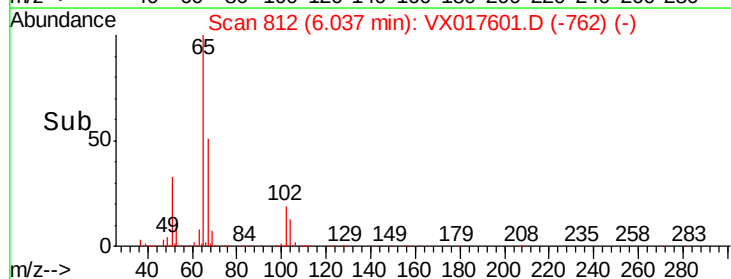
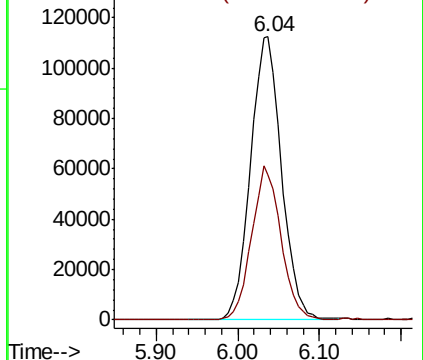
65 100

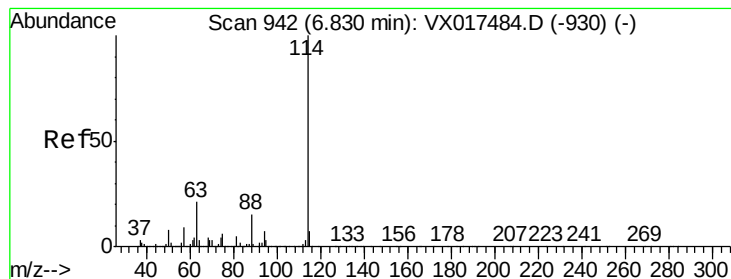
67 51.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

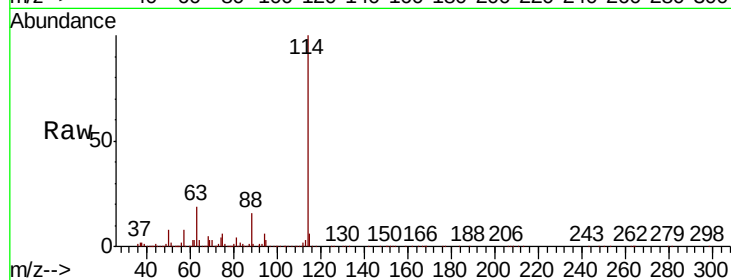
Tot Ion:114 Resp: 697970

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.6

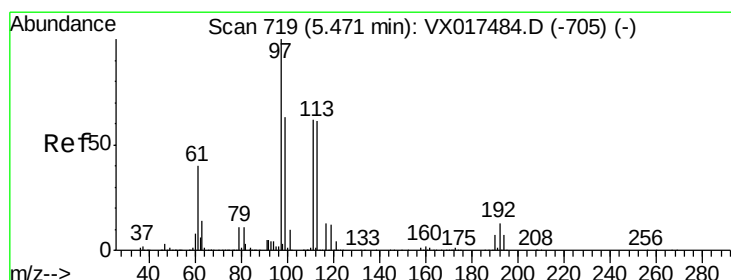
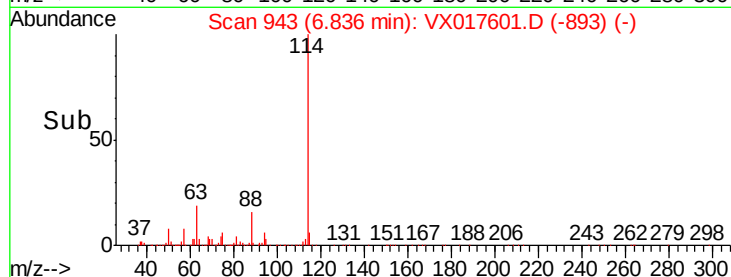
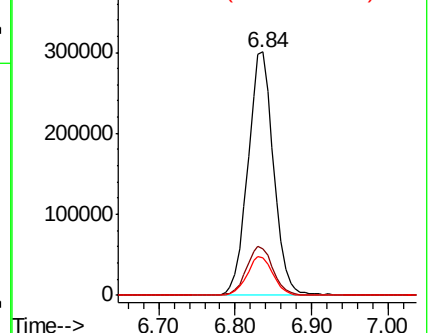
88 15.6 0.0 33.4



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: 55.001 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

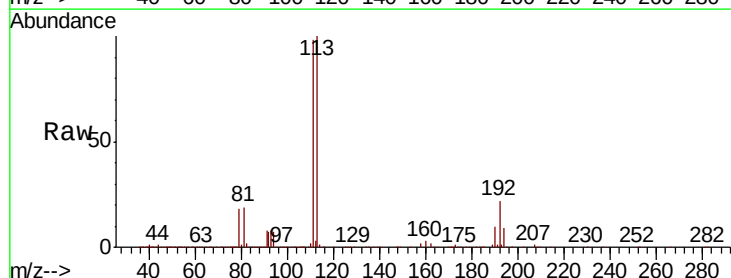
Tgt Ion:113 Resp: 256748

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

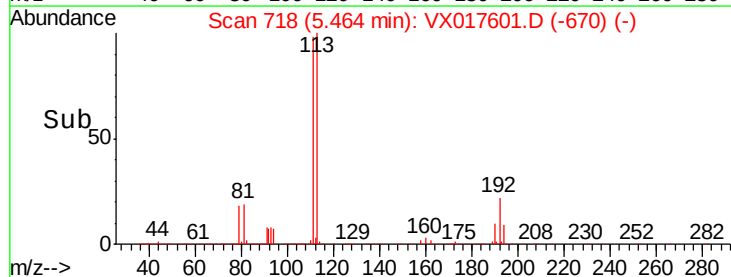
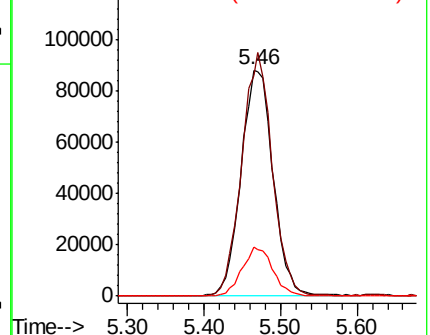
192 20.8 16.9 25.3

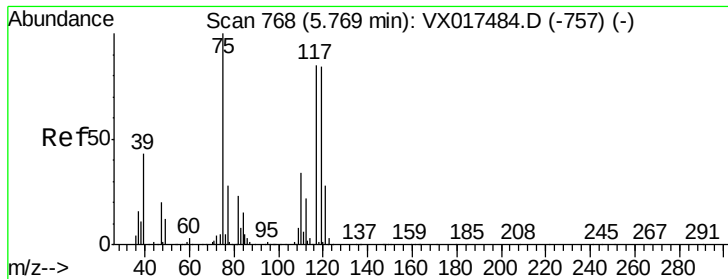


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

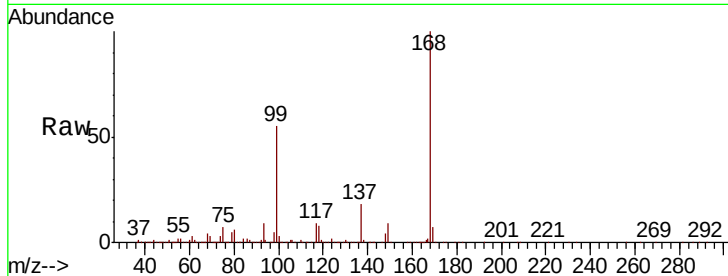




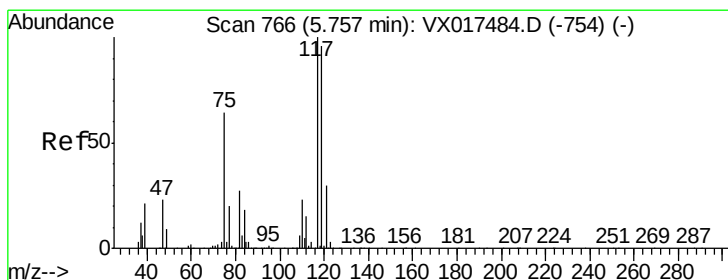
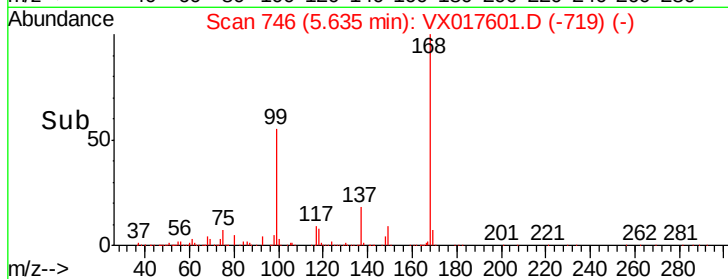
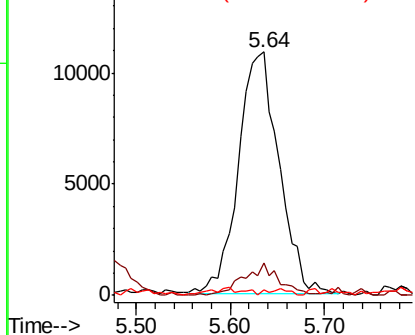
#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017601.D
 Acq: 25 Jul 2020 17:09

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.3#
77	1.4	24.6	37.0#

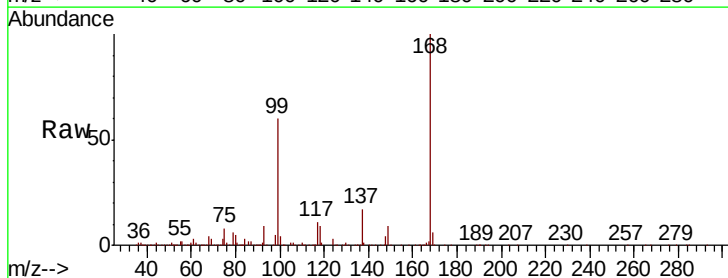


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

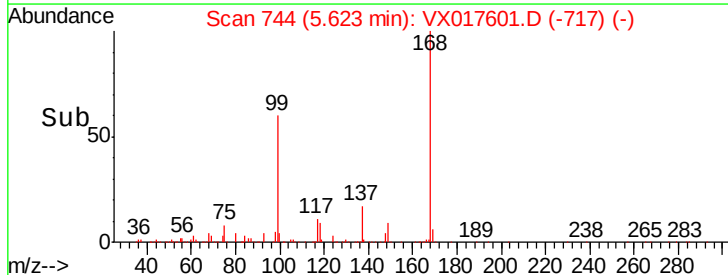
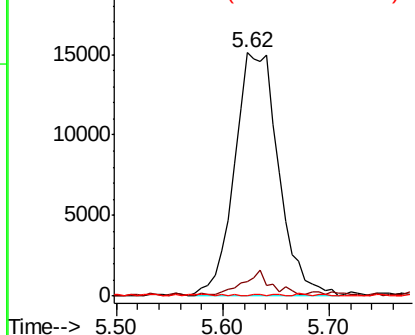


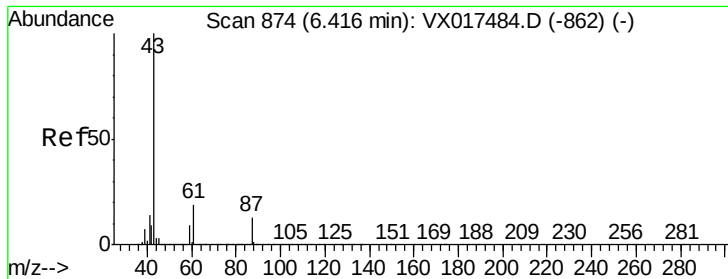
#38
 Carbon Tetrachloride
 Concen: 5.413 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX017601.D
 Acq: 25 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	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



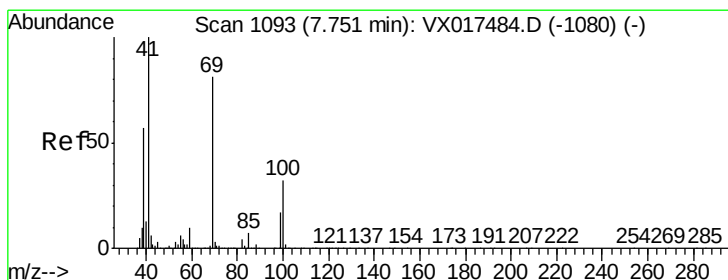
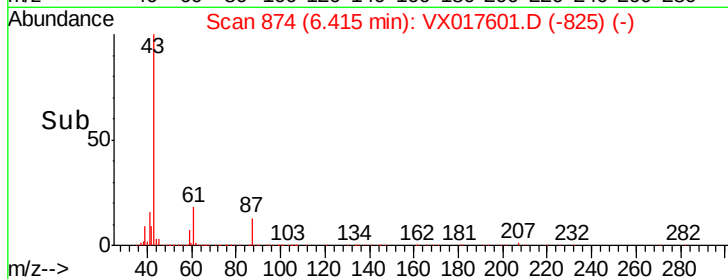
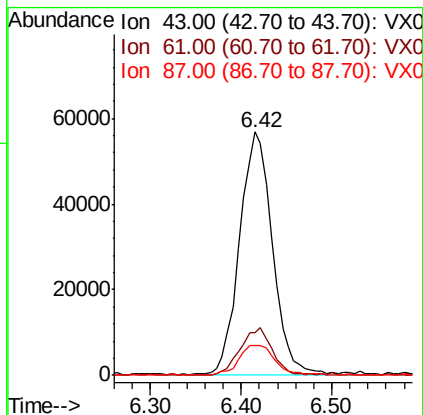
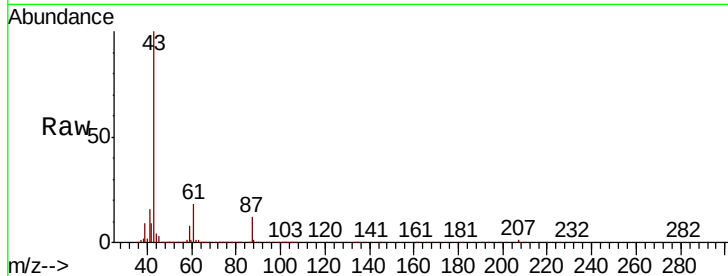


#43

Isopropyl Acetate
 Concen: 11.793 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX017601.D
 Acq: 25 Jul 2020 17:09

Instrument :
 MSVOA_X
 ClientSampleId :

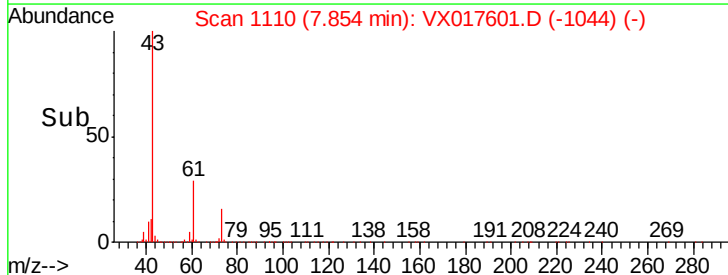
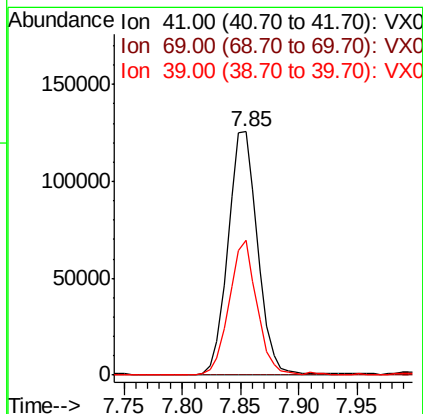
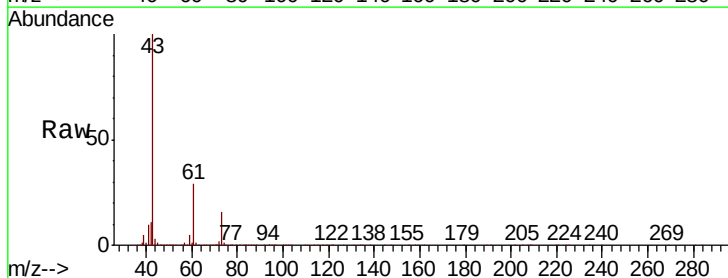
Tot Ion	43	Resp	142513
Ion Ratio	Lower	Upper	
43	100		
61	19.4	15.5	23.3
87	13.4	10.5	15.7

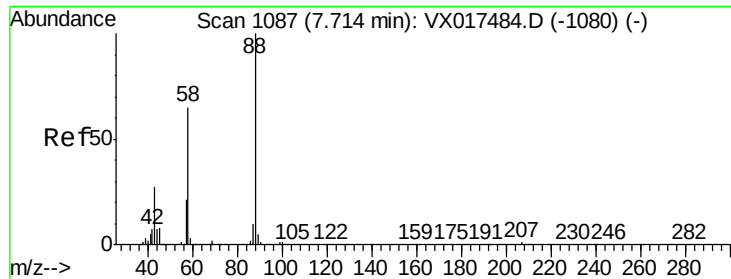


#48

Methyl methacrylate
 Concen: 36.954 ug/l
 RT: 7.85 min Scan# 1110
 Delta R.T. 0.10 min
 Lab File: VX017601.D
 Acq: 25 Jul 2020 17:09

Tgt Ion	41	Resp	221371
Ion Ratio	Lower	Upper	
41	100		
69	0.2	63.1	94.7#
39	51.9	45.1	67.7

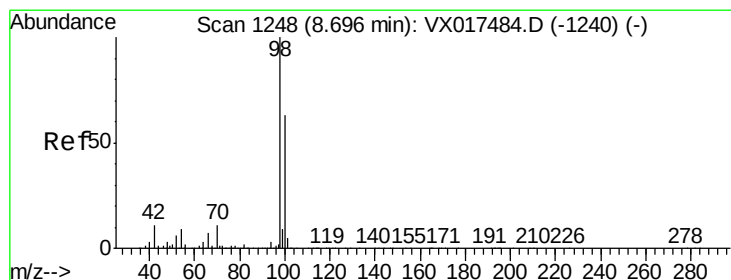
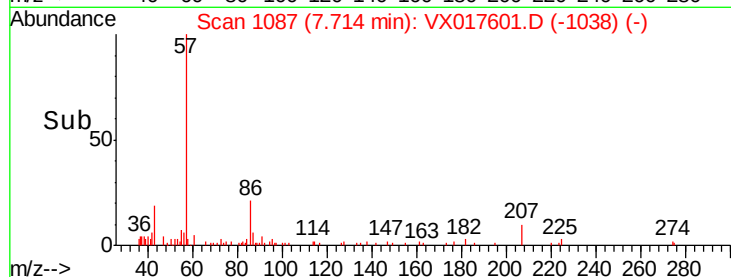
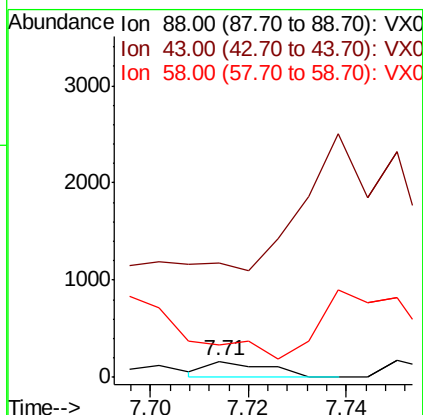
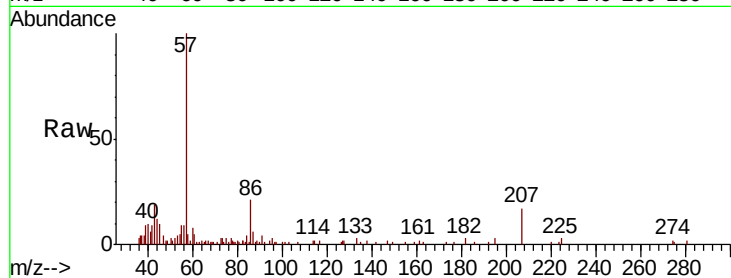




#49
1,4-Dioxane
Concen: 1.228 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

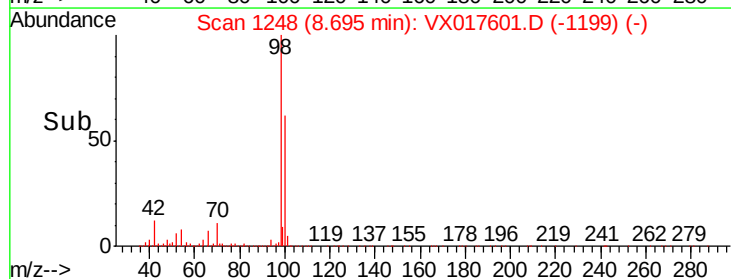
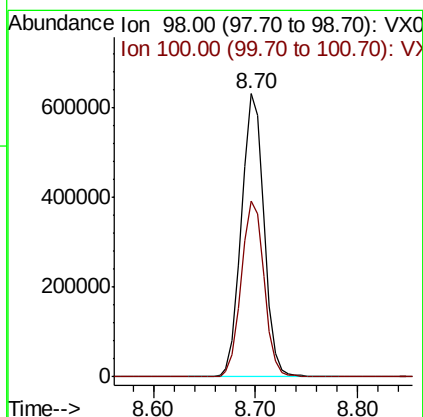
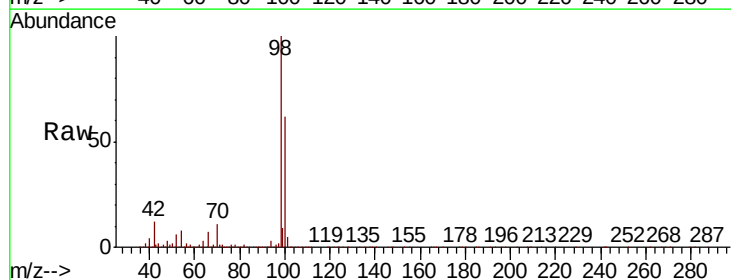
Instrument :
MSVOA_X
ClientSampleId :

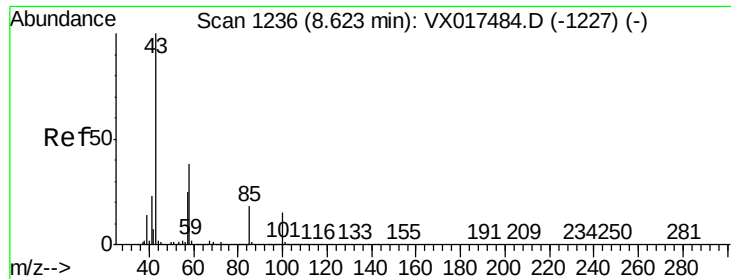
Tot Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 0.0 58.3 87.5#



#50
Toluene-d8
Concen: 57.219 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Tgt Ion: 98 Resp: 963571
Ion Ratio Lower Upper
98 100
100 62.7 52.3 78.5

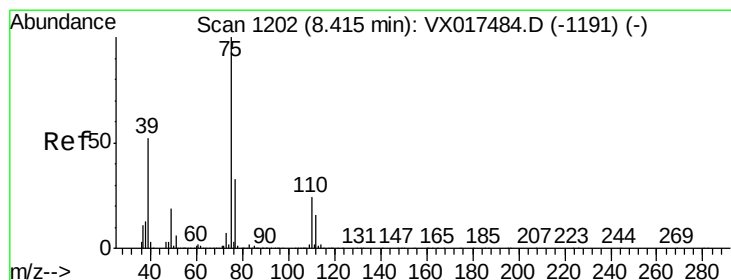
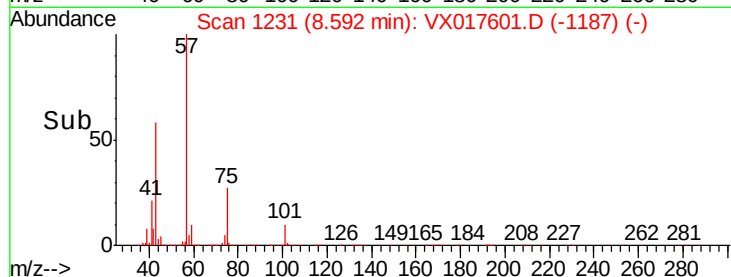
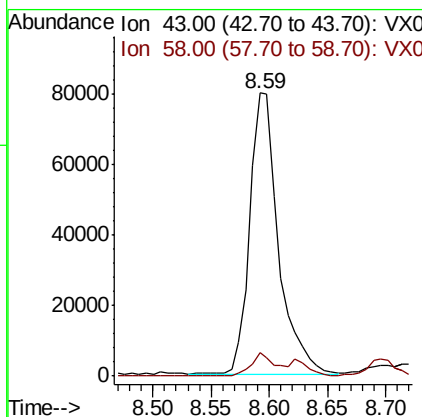
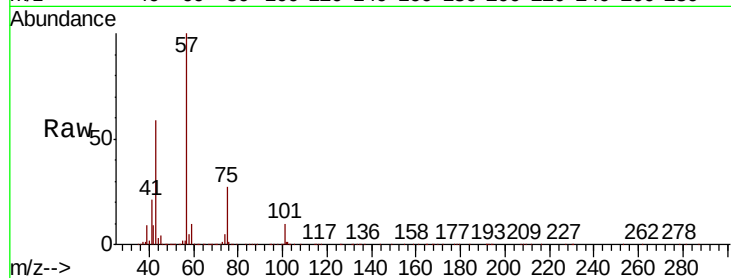




#51
 4-Methyl-2-Pentanone
 Concen: 19.019 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX017601.D
 Acq: 25 Jul 2020 17:09

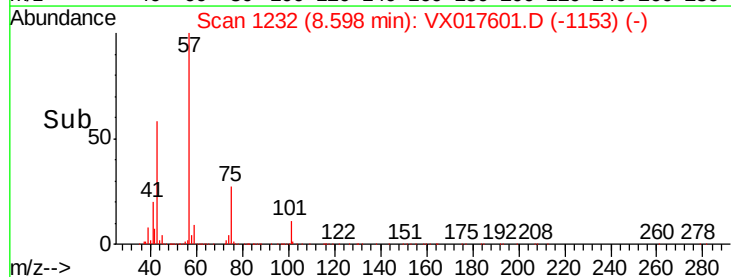
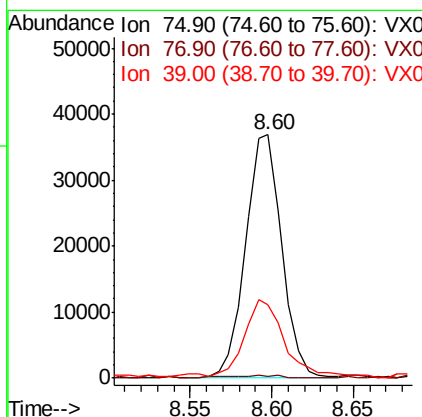
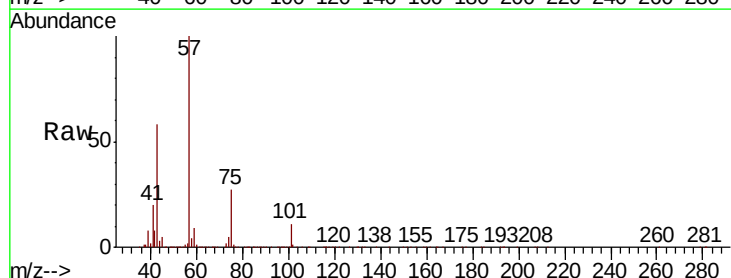
Instrument :
 MSVOA_X
 ClientSampleId :

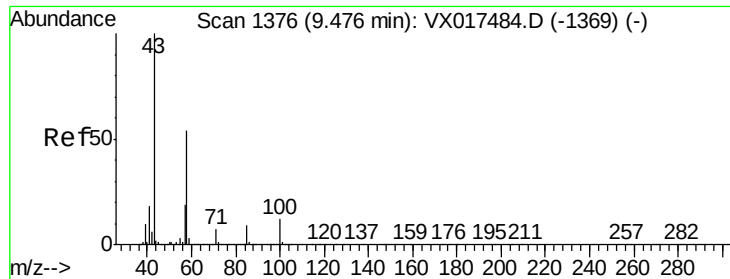
Tot Ion: 43 Resp: 137135
 Ion Ratio Lower Upper
 43 100
 58 7.3 31.0 46.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.555 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017601.D
 Acq: 25 Jul 2020 17:09

Tgt Ion: 75 Resp: 56625
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.5 38.3#
 39 28.5 41.8 62.8#

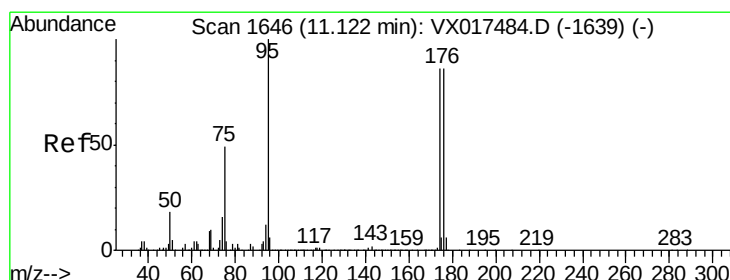
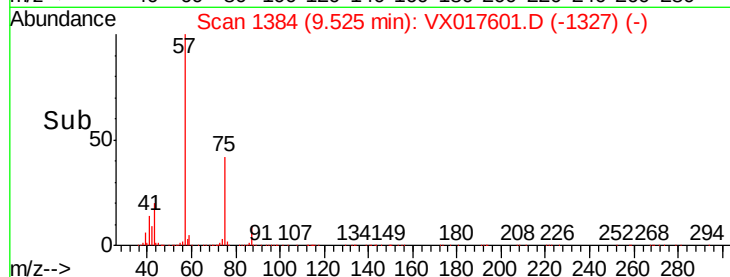
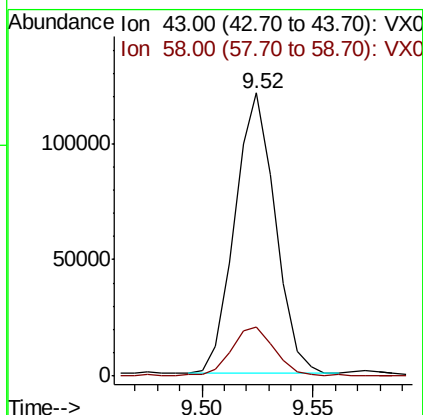
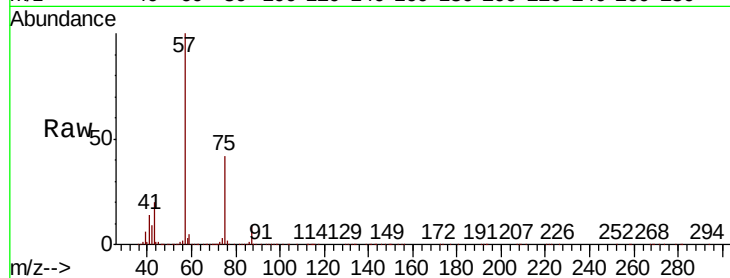




#59
2-Hexanone
Concen: 28.064 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

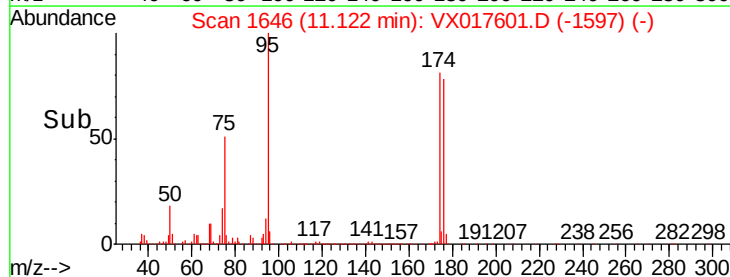
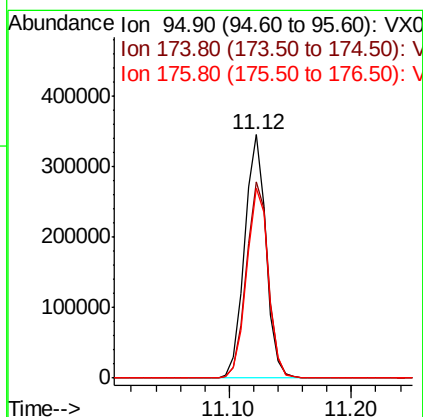
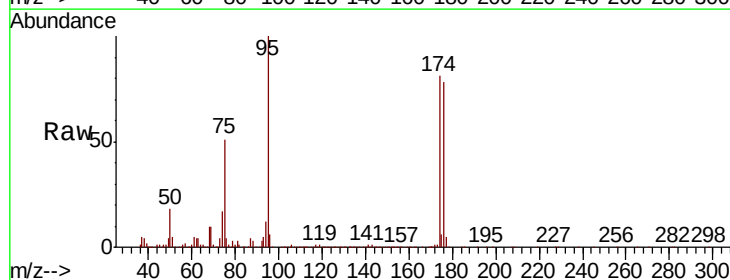
Instrument :
MSVOA_X
ClientSampled :

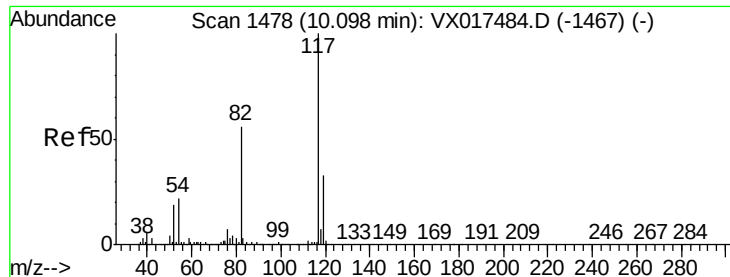
Tot Ion: 43 Resp: 152353
Ion Ratio Lower Upper
43 100
58 19.0 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 61.617 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Tgt Ion: 95 Resp: 415257
Ion Ratio Lower Upper
95 100
174 83.5 0.0 169.0
176 80.2 0.0 161.0

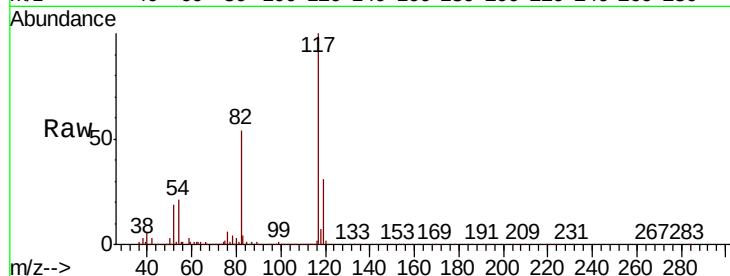




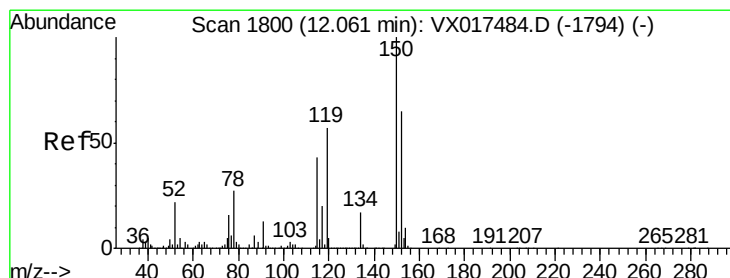
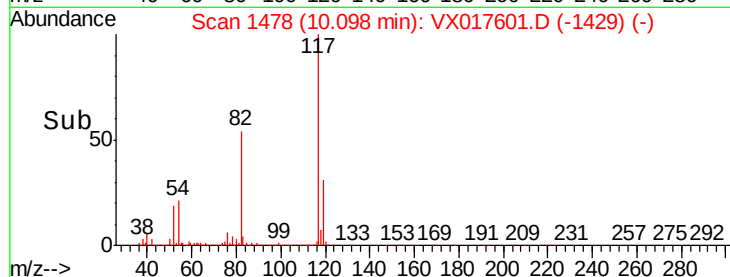
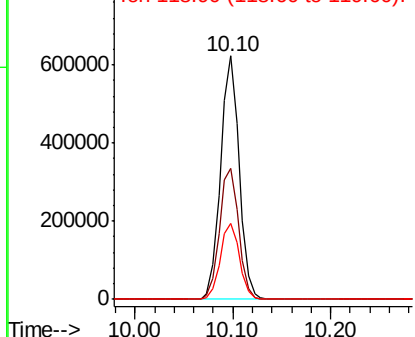
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 820934
Ion Ratio Lower Upper
117 100
82 53.5 44.0 66.0
119 31.2 25.4 38.0

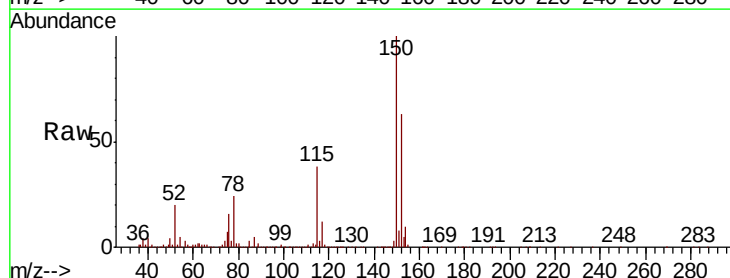


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

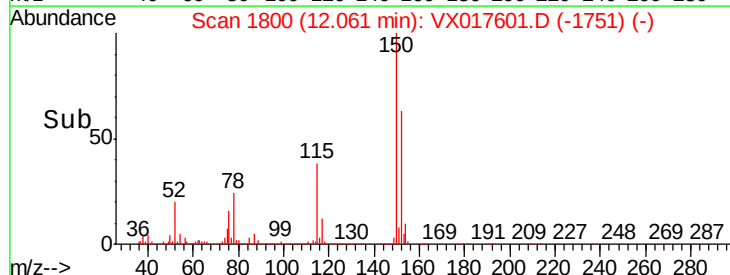
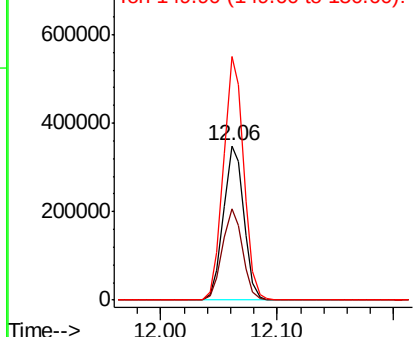


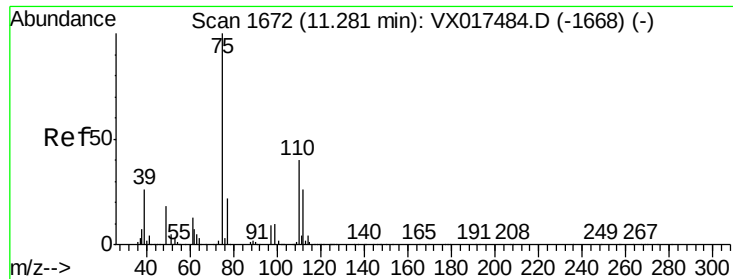
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017601.D
Acq: 25 Jul 2020 17:09

Tgt Ion:152 Resp: 422109
Ion Ratio Lower Upper
152 100
115 58.2 65.5 196.6#
150 156.2 0.0 412.6



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: 24.261 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

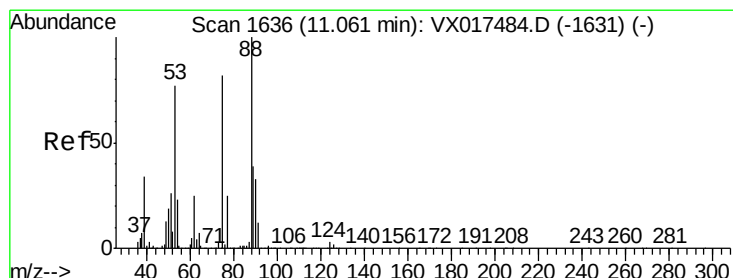
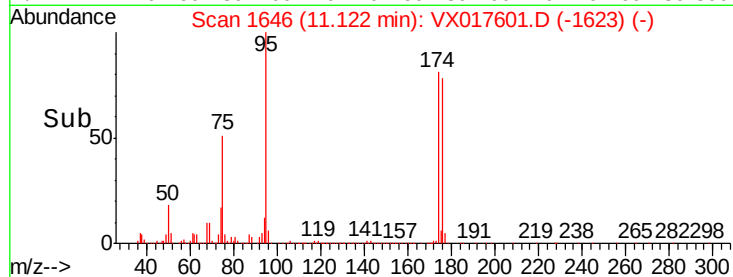
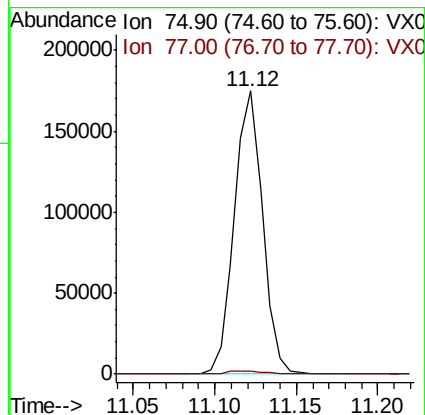
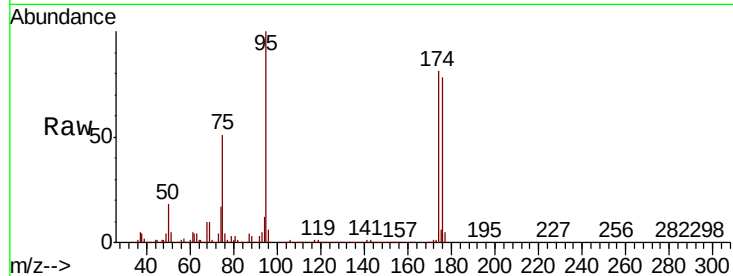
ClientSampleId :

Tot Ion: 75 Resp: 210657

Ion Ratio Lower Upper

75 100

77 1.5 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.132 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

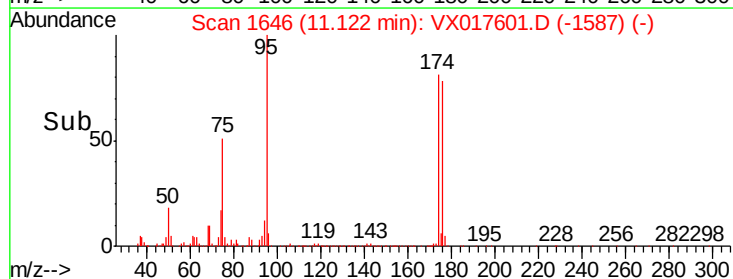
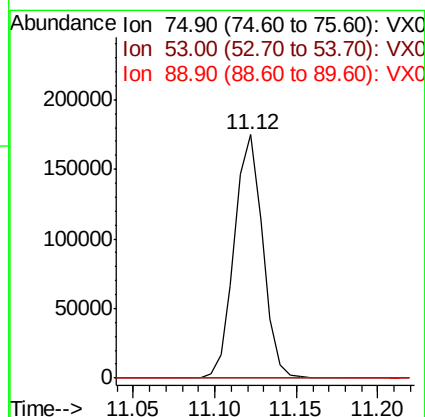
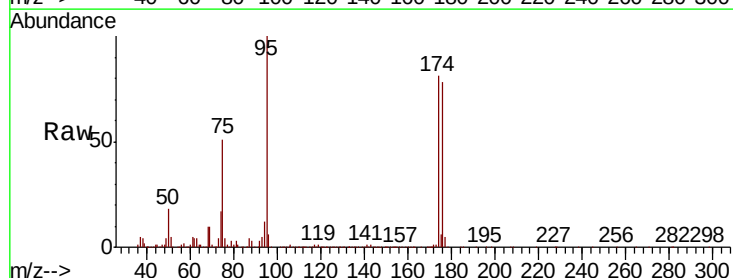
Tgt Ion: 75 Resp: 210657

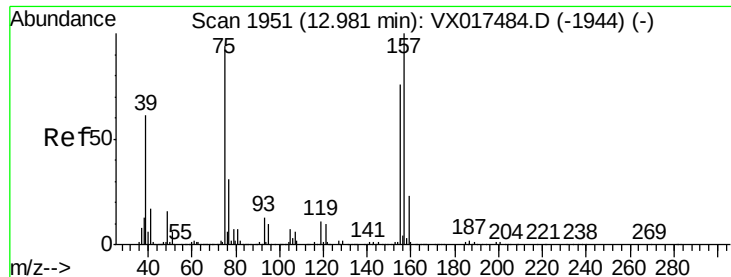
Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.708 ug/l

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX017601.D

Acq: 25 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

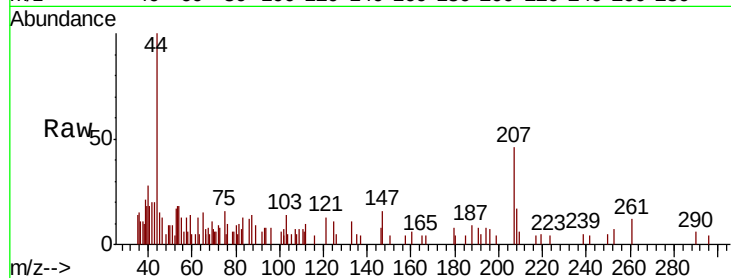
Tot Ion: 75 Resp: 353

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 18.4 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

