

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080420\
 Data File : VX017783.D
 Acq On : 04 Aug 2020 20:23
 Operator : JC/SP
 Sample : L3548-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 05 01:53:17 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

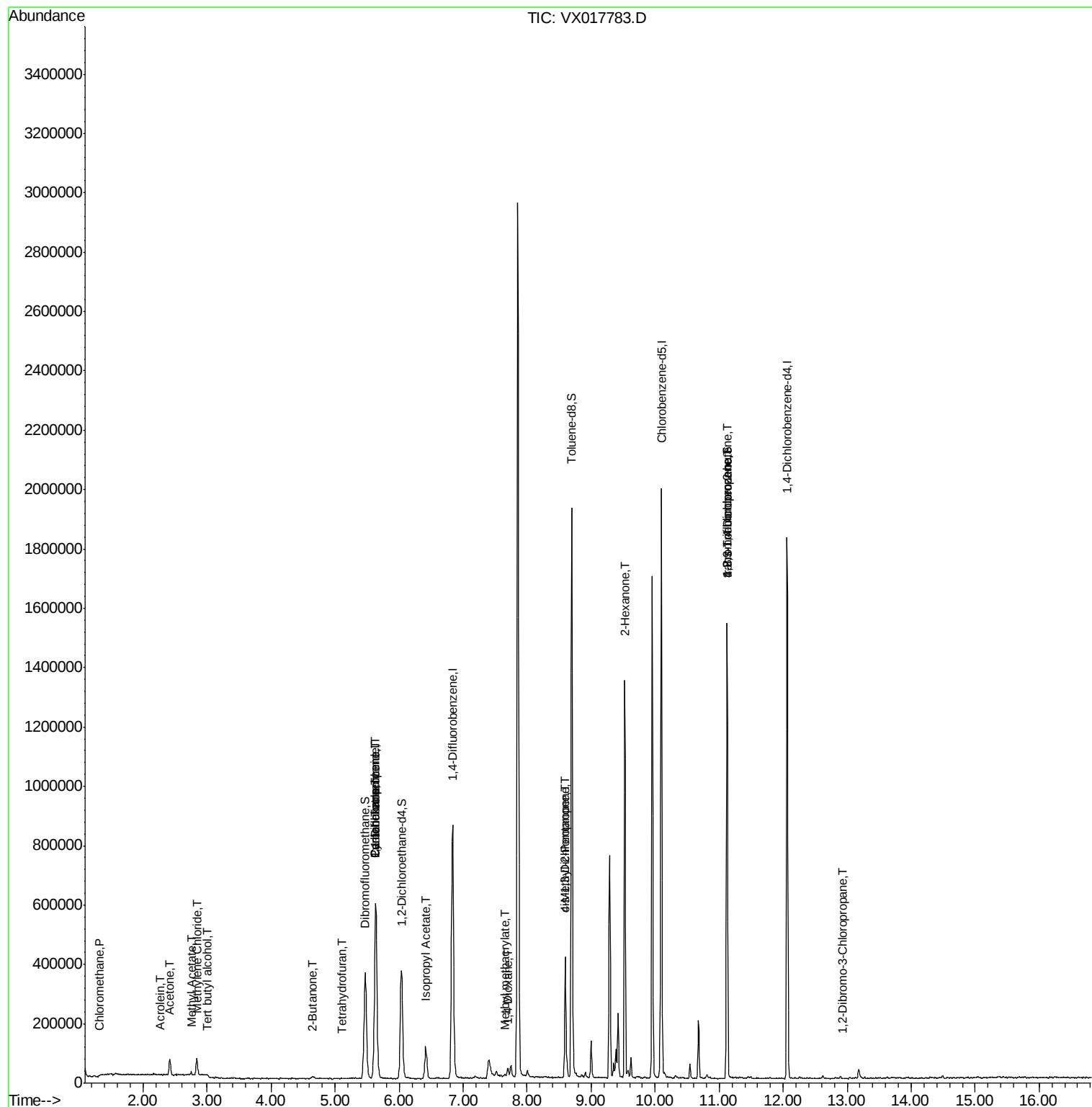
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	558858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	847807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	889119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	387164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	369422	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	5.47	113	305205	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	8.70	98	1143163	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
62) 4-Bromofluorobenzene	11.12	95	377902	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	422	Below Cal	#	44
3) Chloromethane	1.31	50	360	0.419 ug/l	#	1
5) Bromomethane	1.61	94	131	Below Cal	#	41
6) Chloroethane	1.69	64	181	Below Cal		92
8) Diethyl Ether	2.17	74	1630	Below Cal		96
11) Tert butyl alcohol	3.00	59	3040	2.009 ug/l	#	94
13) Acrolein	2.26	56	203	4.321 ug/l	#	1
16) Acetone	2.42	43	57710	18.265 ug/l		93
18) Methyl Acetate	2.75	43	9883	1.328 ug/l		98
20) Methylene Chloride	2.84	84	26828	3.309 ug/l		97
25) 2-Butanone	4.65	43	8567	1.909 ug/l		99
29) Tetrahydrofuran	5.10	42	951	0.342 ug/l	#	1
31) Cyclohexane	5.64	56	11955	1.350 ug/l	#	34
36) 1,1-Dichloropropene	5.64	75	41744	5.134 ug/l	#	51
38) Carbon Tetrachloride	5.63	117	58151	5.889 ug/l	#	18
43) Isopropyl Acetate	6.42	43	143083	9.747 ug/l		99
48) Methyl methacrylate	7.65	41	9544	1.312 ug/l	#	16
49) 1,4-Dioxane	7.70	88	268	1.921 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.60	43	145714	16.637 ug/l	#	54
54) cis-1,3-Dichloropropene	8.60	75	63572	6.059 ug/l	#	62
59) 2-Hexanone	9.52	43	154376	23.411 ug/l	#	52
76) 1,2,3-Trichloropropane	11.12	75	193190	24.257 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.12	75	193190	61.123 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	12.94	75	218	2.665 ug/l	#	1

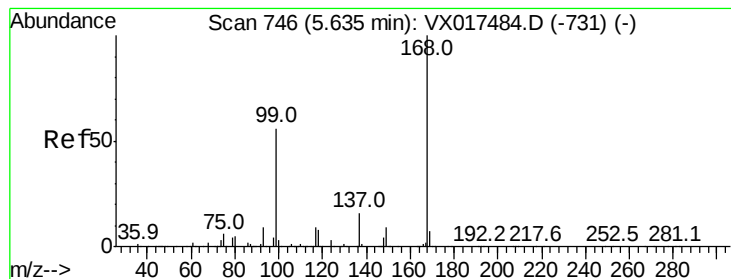
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017783.D

Acq: 04 Aug 2020 20:23

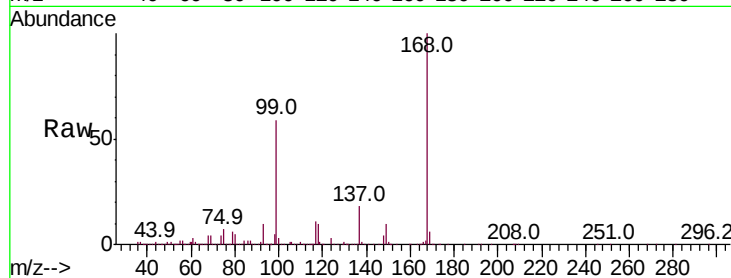
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 558858

Ion Ratio Lower Upper

168 100

99 59.0 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

200000

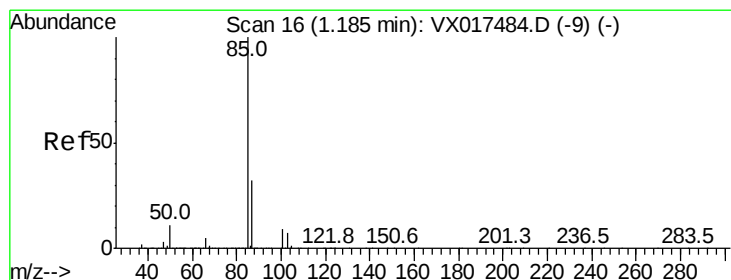
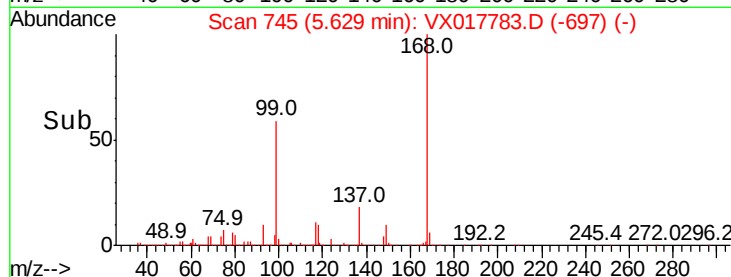
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017783.D

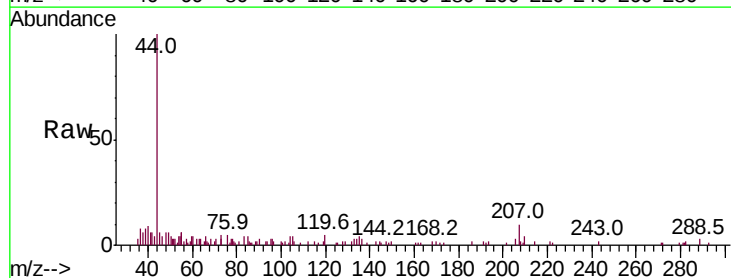
Acq: 04 Aug 2020 20:23

Tgt Ion: 85 Resp: 422

Ion Ratio Lower Upper

85 100

87 0.9 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

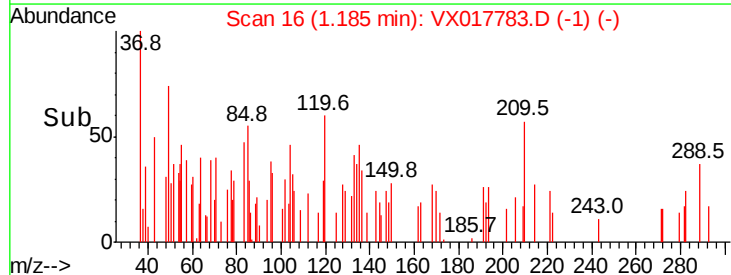
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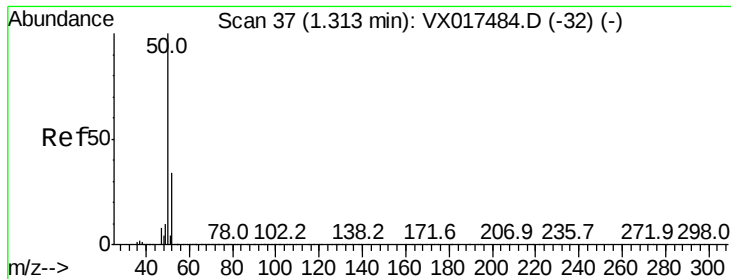
200

100

0

Time-->





#3

Chloromethane

Concen: 0.419 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017783.D

Acq: 04 Aug 2020 20:23

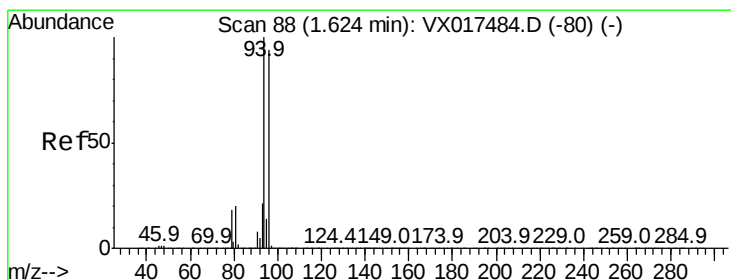
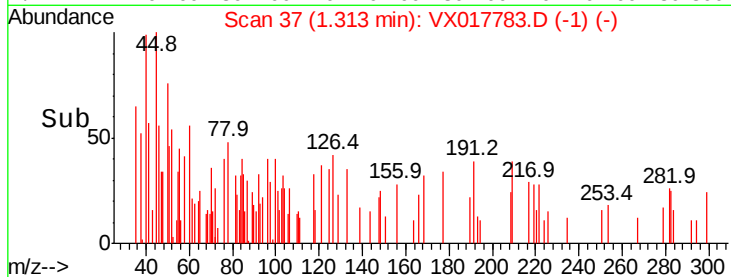
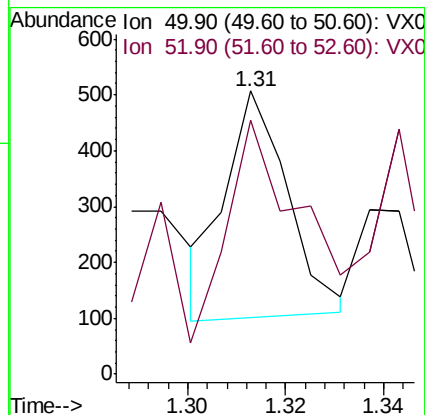
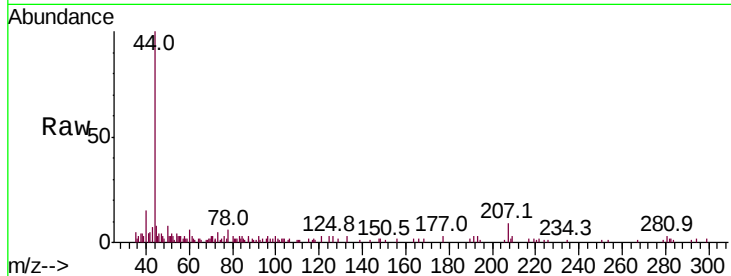
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 360

Ion Ratio Lower Upper

50 100

52 108.4 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017783.D

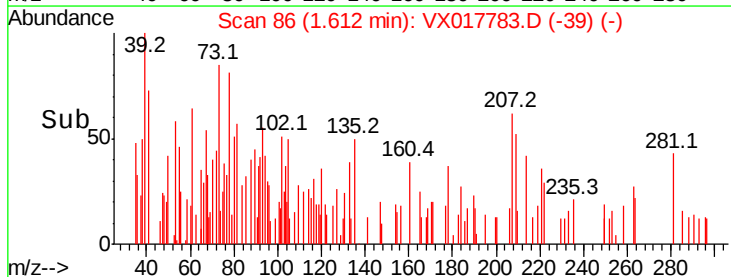
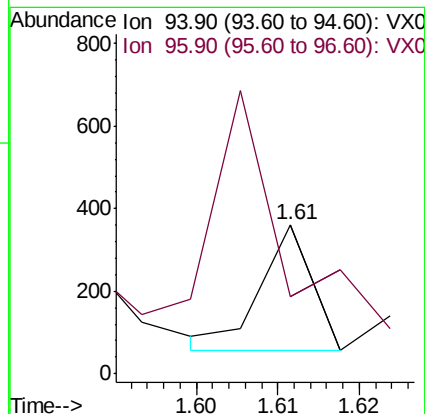
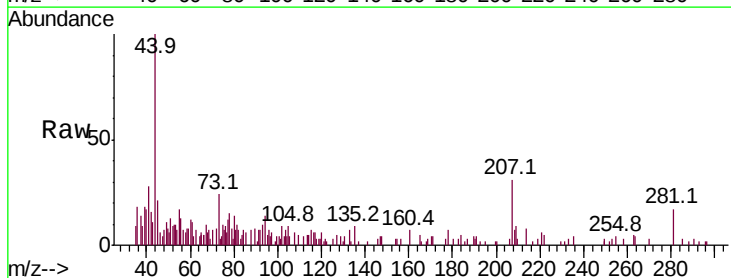
Acq: 04 Aug 2020 20:23

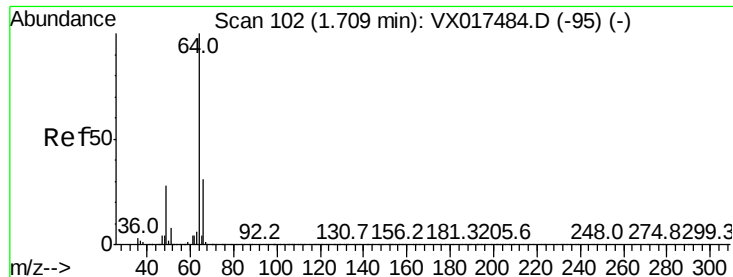
Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

94 100

96 35.7 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017783.D

Acq: 04 Aug 2020 20:23

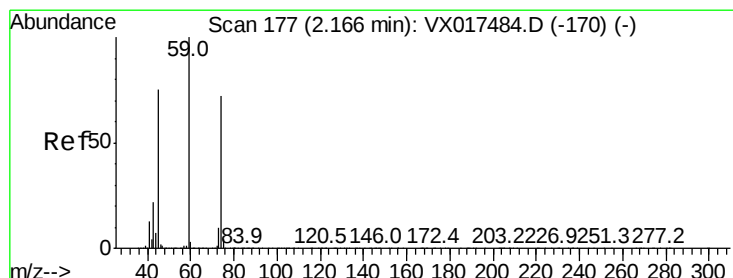
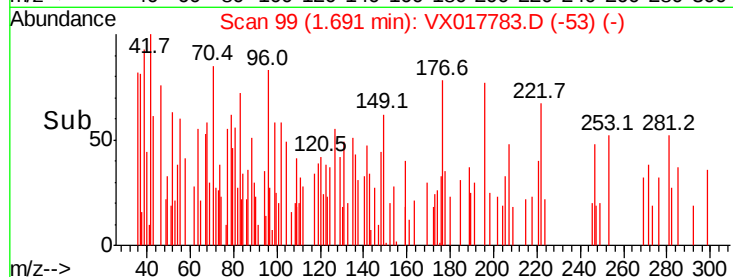
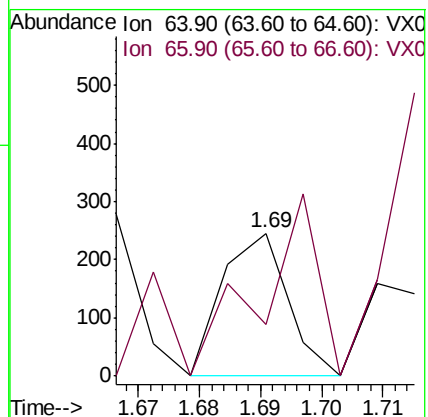
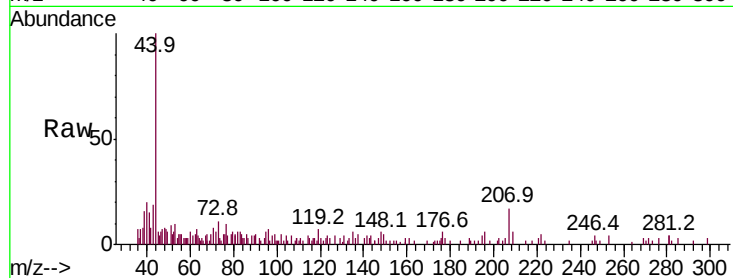
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 64 Resp: 181

Ion Ratio Lower Upper

64 100

66 35.8 24.9 37.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017783.D

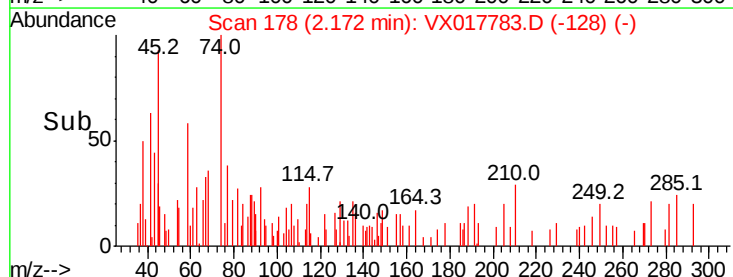
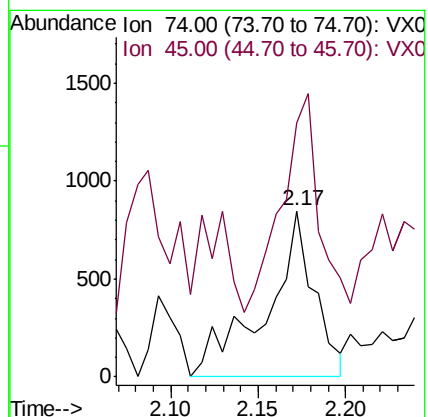
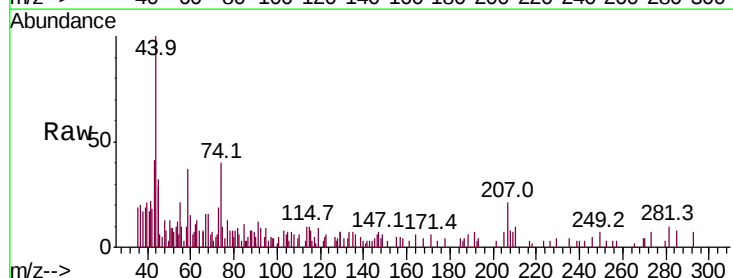
Acq: 04 Aug 2020 20:23

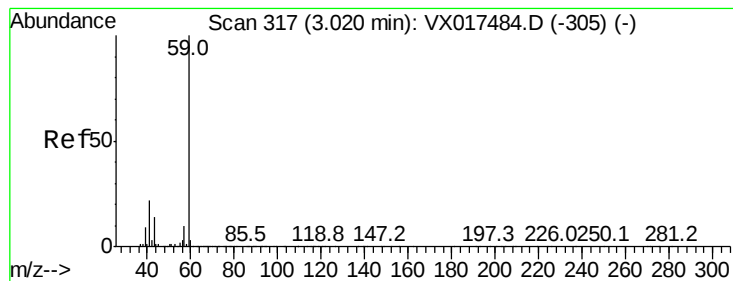
Tgt Ion: 74 Resp: 1630

Ion Ratio Lower Upper

74 100

45 106.1 50.8 152.5



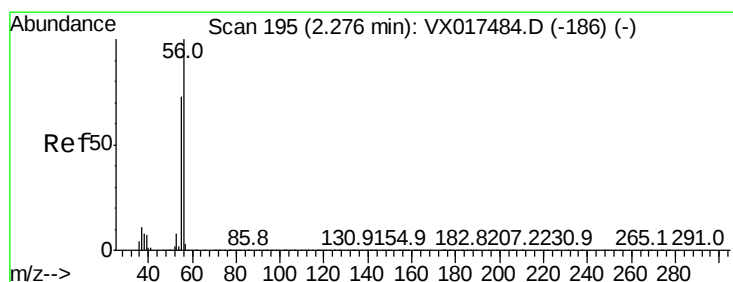
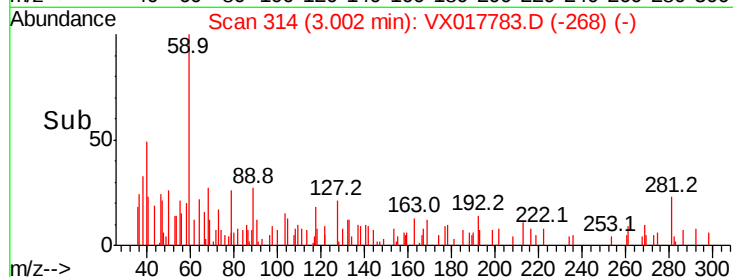
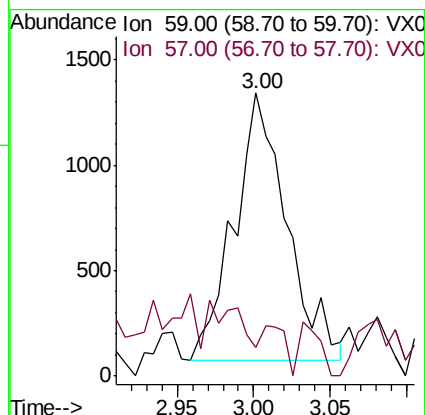
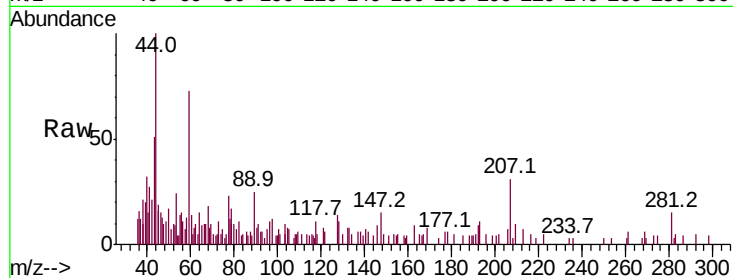


#11

Tert butyl alcohol
 Concen: 2.009 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :

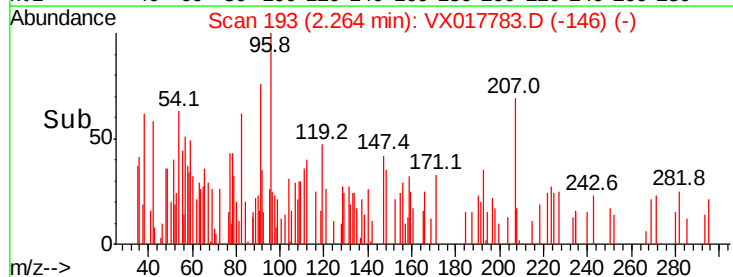
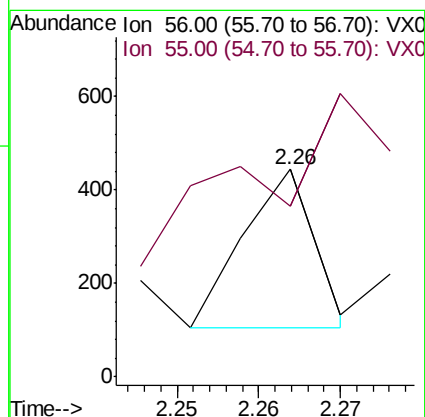
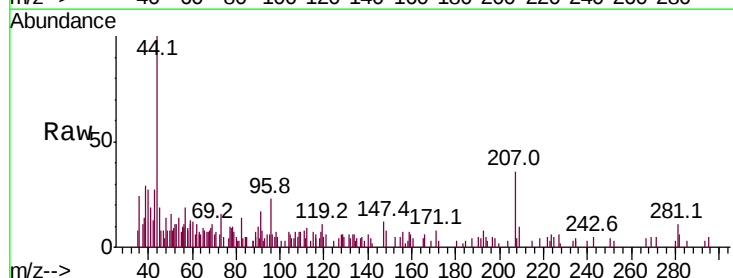
Tot Ion: 59 Resp: 3040
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.6 12.8#

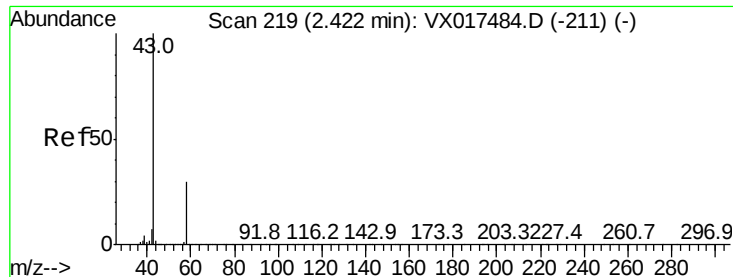


#13

Acrolein
 Concen: 4.321 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

Tgt Ion: 56 Resp: 203
 Ion Ratio Lower Upper
 56 100
 55 292.1 57.4 86.2#

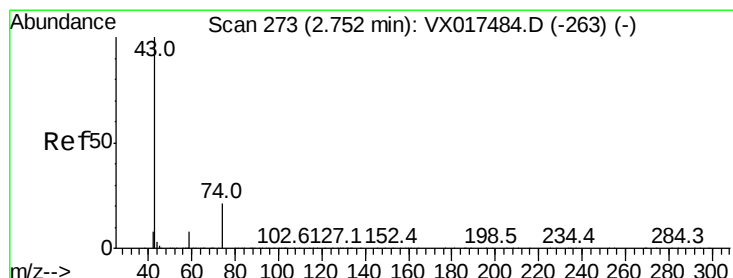
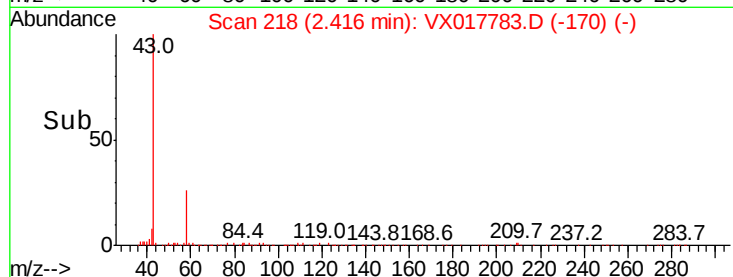
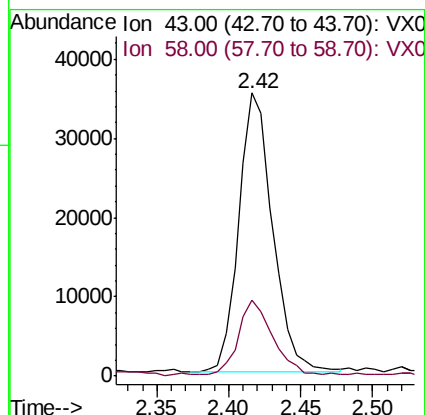
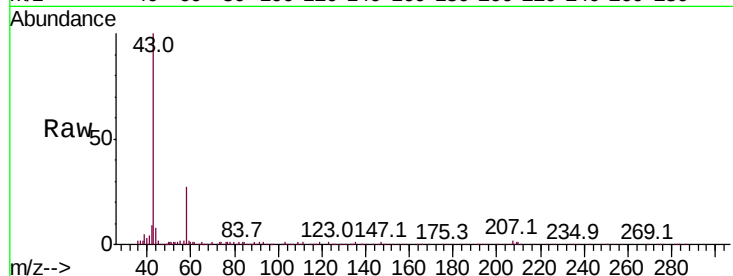




#16
Acetone
Concen: 18.265 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

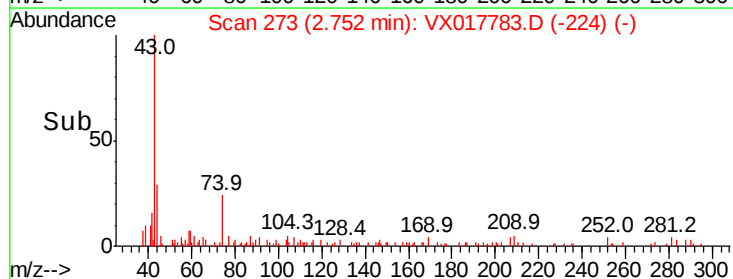
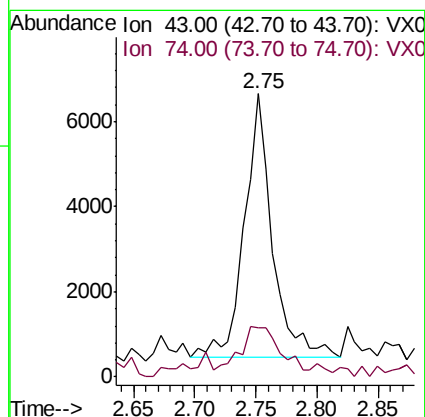
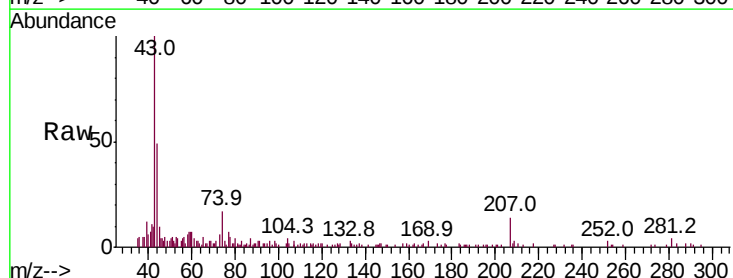
Instrument :
MSVOA_X
ClientSampleId :

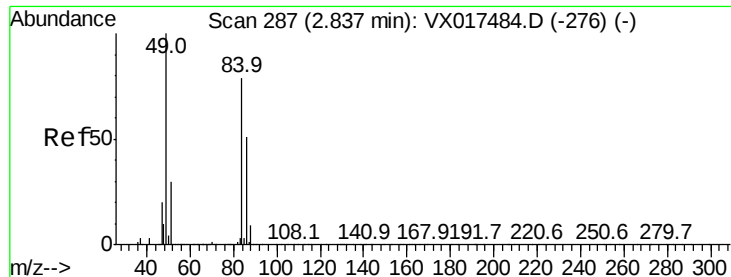
Tot Ion: 43 Resp: 57710
Ion Ratio Lower Upper
43 100
58 26.5 24.2 36.4



#18
Methyl Acetate
Concen: 1.328 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Tgt Ion: 43 Resp: 9883
Ion Ratio Lower Upper
43 100
74 22.7 17.5 26.3

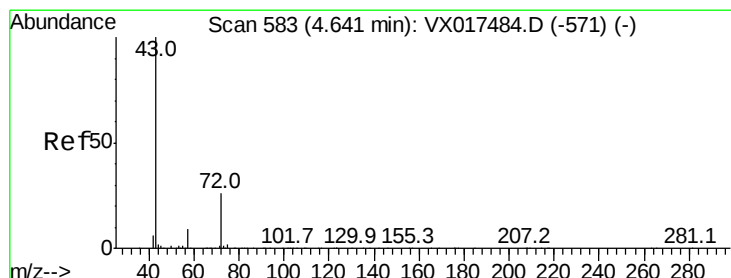
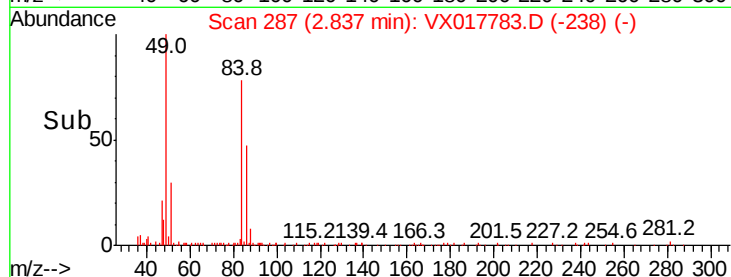
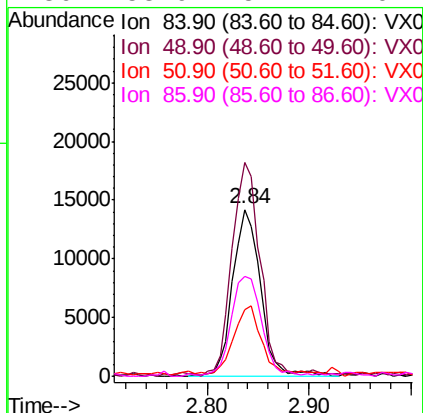
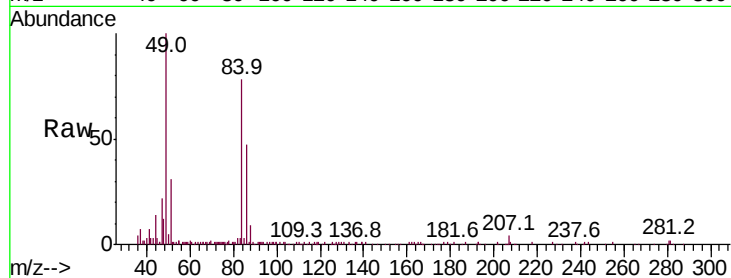




#20
Methvlene Chloride
Concen: 3.309 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

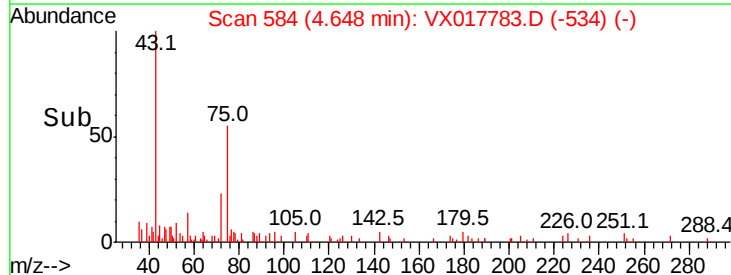
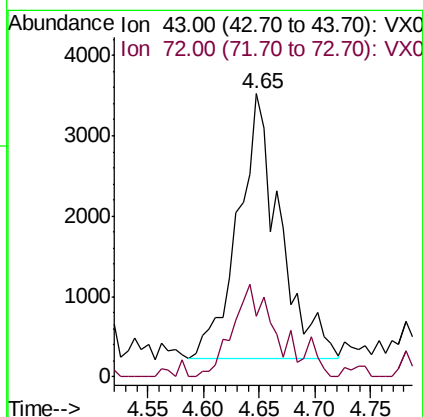
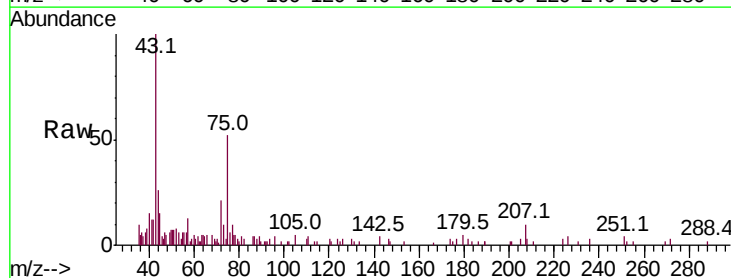
Instrument :
MSVOA_X
ClientSampleId :

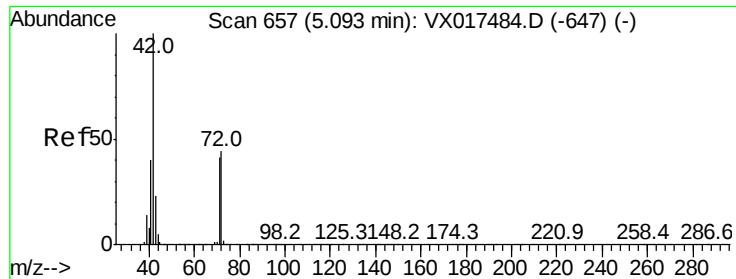
Tot Ion:	84	Resp:	26828
Ion	Ratio	Lower	Upper
84	100		
49	126.5	100.3	150.5
51	37.3	30.5	45.7
86	58.9	51.1	76.7



#25
2-Butanone
Concen: 1.909 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Tgt Ion:	43	Resp:	8567
Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.0	28.4

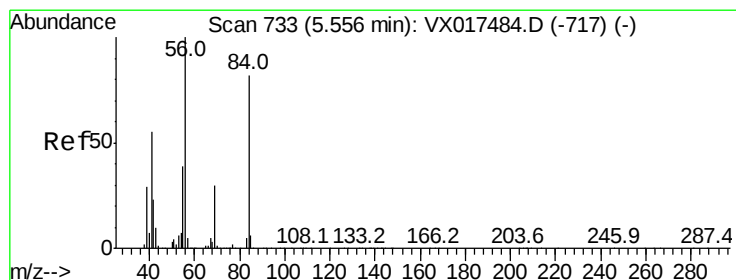
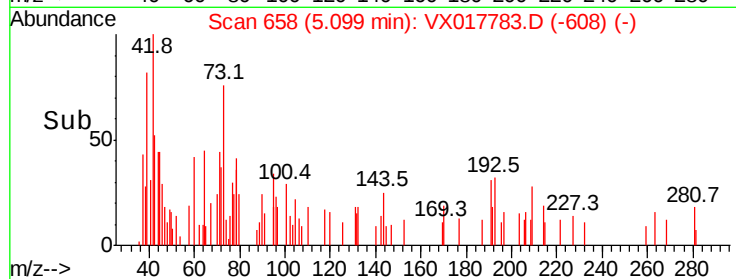
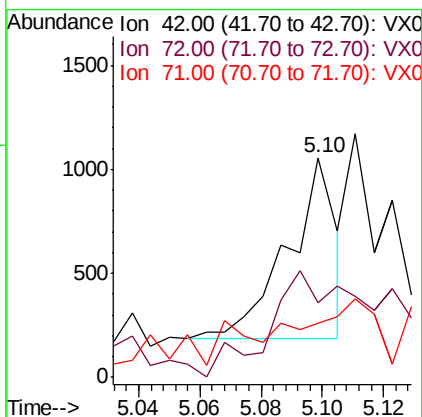
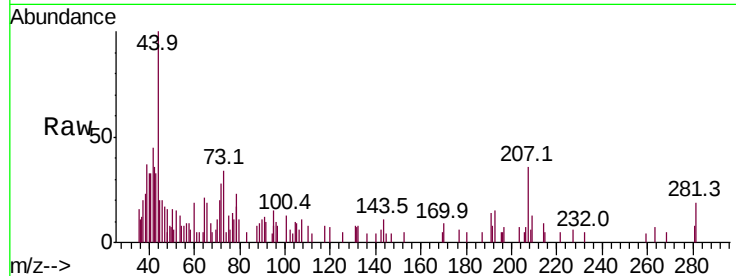




#29
Tetrahydrofuran
Concen: 0.342 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

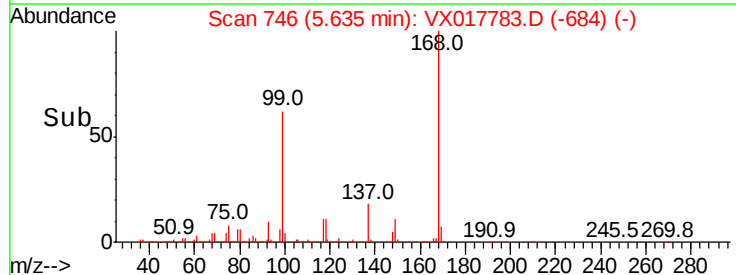
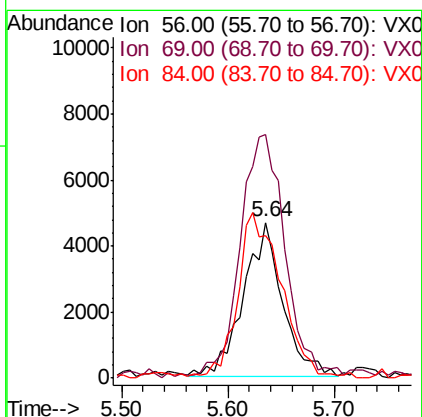
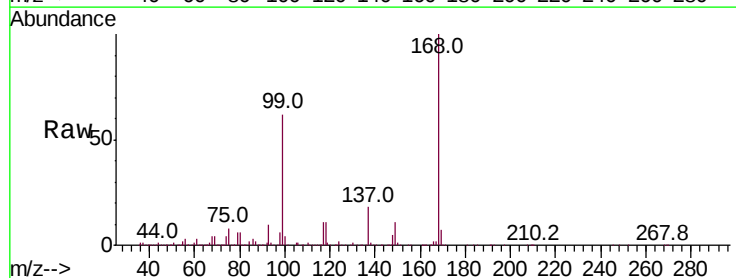
Instrument :
MSVOA_X
ClientSampled :

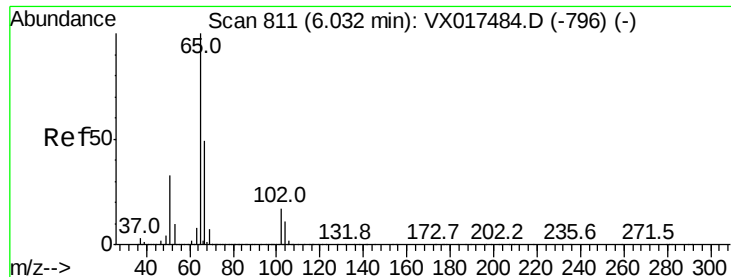
Tot Ion: 42 Resp: 951
Ion Ratio Lower Upper
42 100
72 158.5 35.5 53.3#
71 68.6 33.0 49.4#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Tgt Ion: 56 Resp: 11955
Ion Ratio Lower Upper
56 100
69 157.7 24.2 36.4#
84 92.4 69.0 103.6

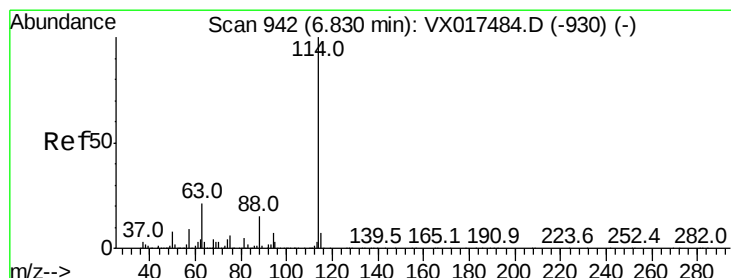
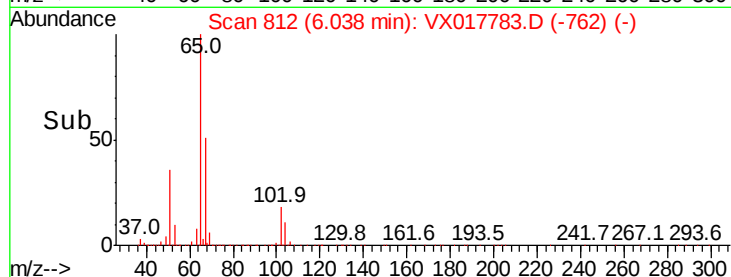
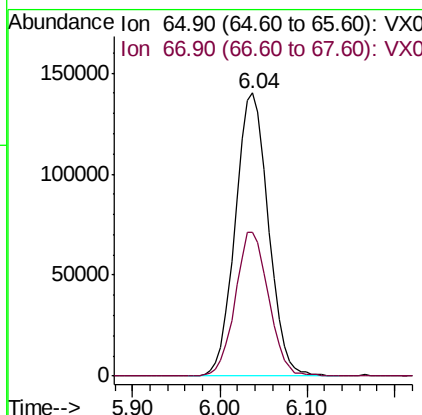
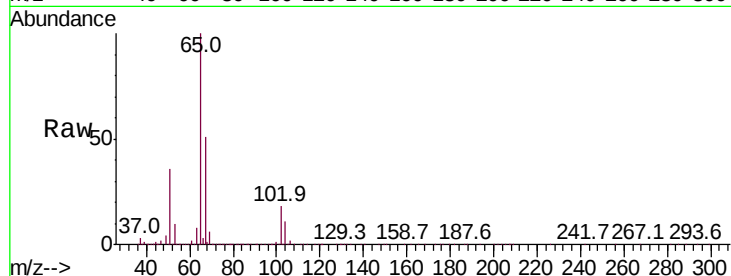




#33
 1,2-Dichloroethane-d4
 Concen: 51.460 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

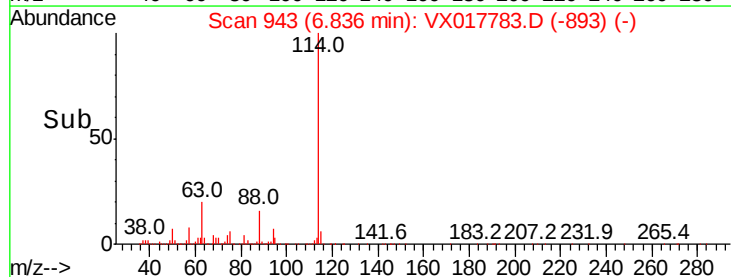
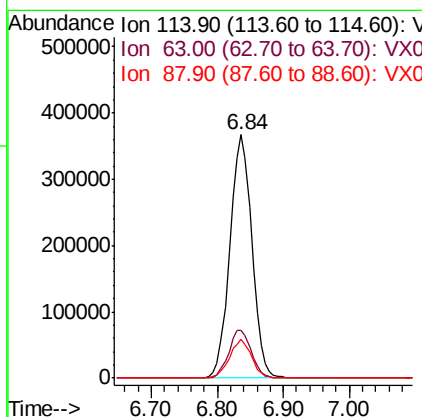
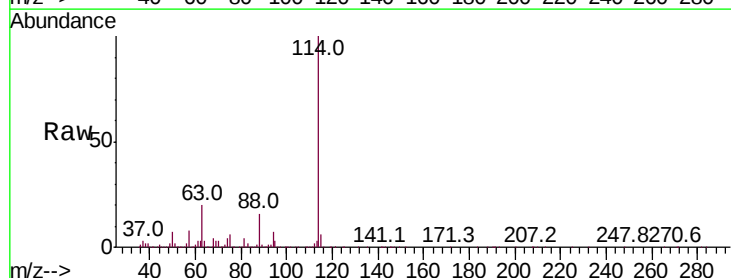
Instrument :
 MSVOA_X
 ClientSampled :

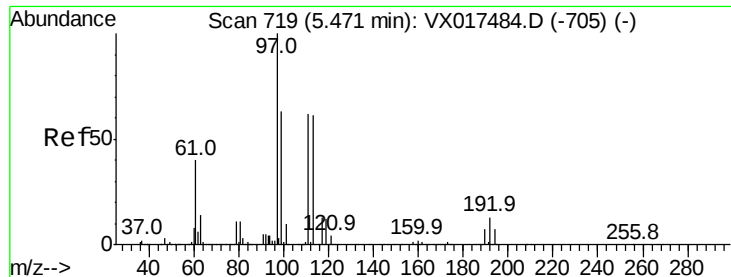
Tot Ion: 65 Resp: 369422
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

Tgt Ion: 114 Resp: 847807
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.6
 88 15.9 0.0 33.4

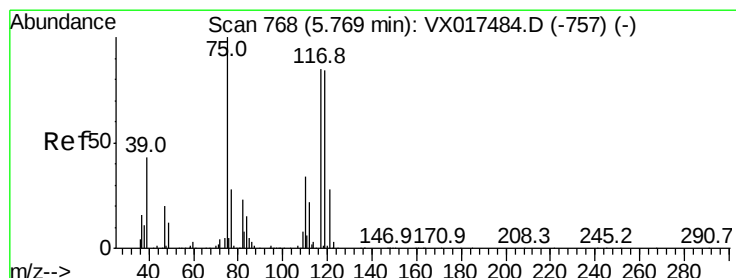
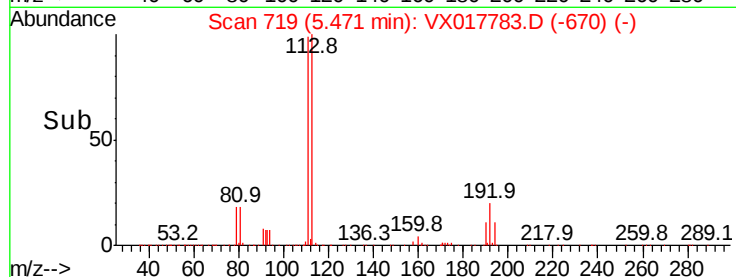
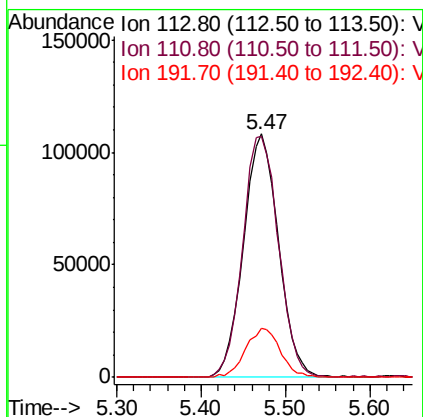
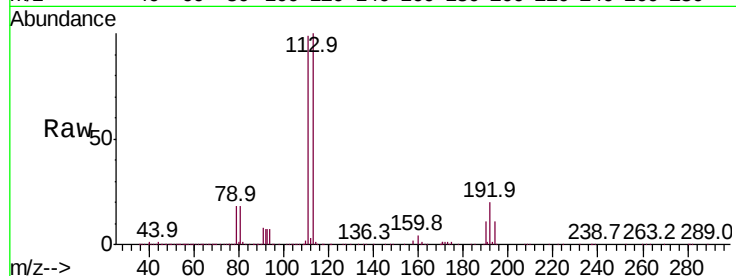




#35
 Dibromofluoromethane
 Concen: 53.826 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

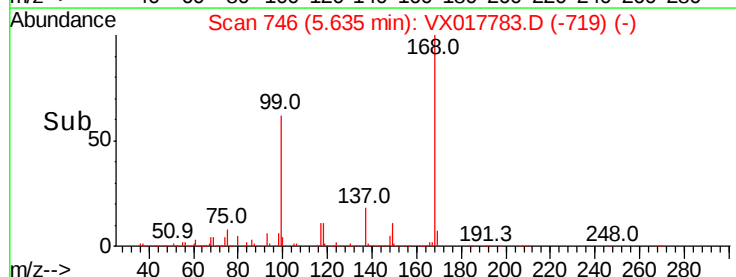
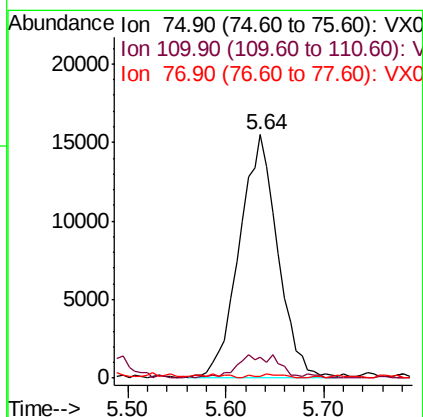
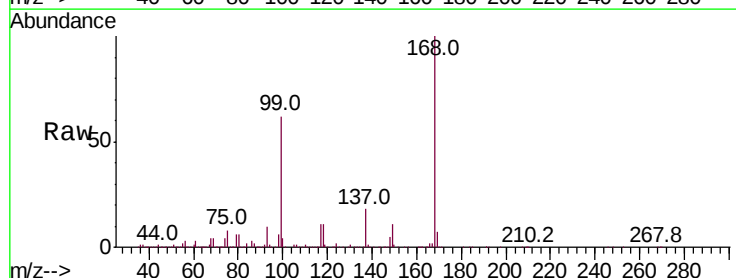
Instrument :
 MSVOA_X
 ClientSampled :

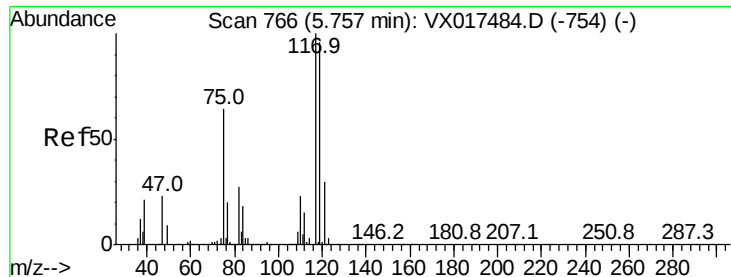
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.7	121.1
192	20.0	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.3#
77	1.1	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.889 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017783.D

Acq: 04 Aug 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

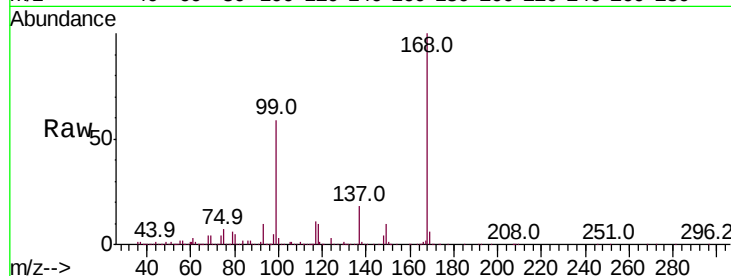
Tot Ion:117 Resp: 58151

Ion Ratio Lower Upper

117 100

119 6.4 75.4 113.0#

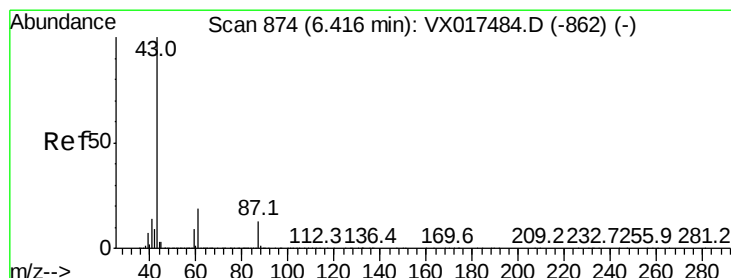
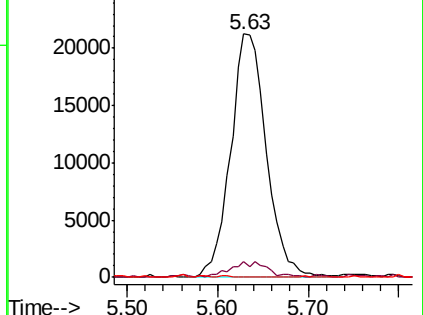
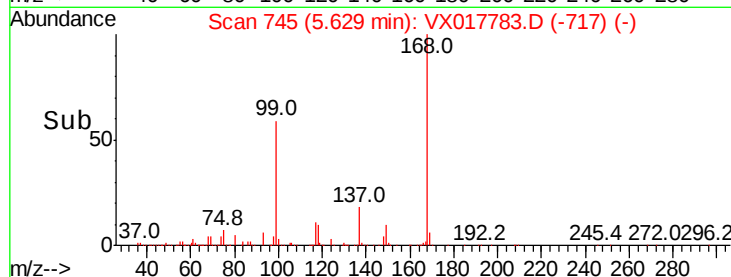
121 0.1 24.3 36.5#



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: 9.747 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017783.D

Acq: 04 Aug 2020 20:23

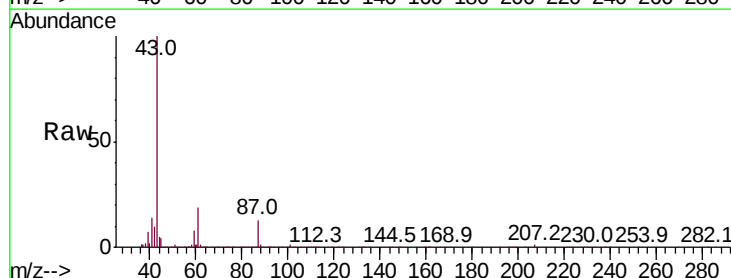
Tgt Ion: 43 Resp: 143083

Ion Ratio Lower Upper

43 100

61 19.7 15.5 23.3

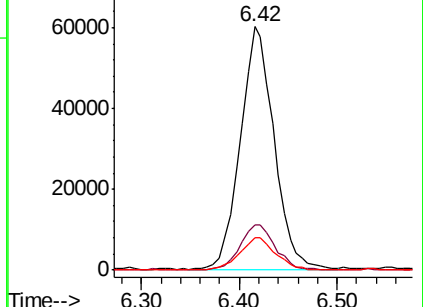
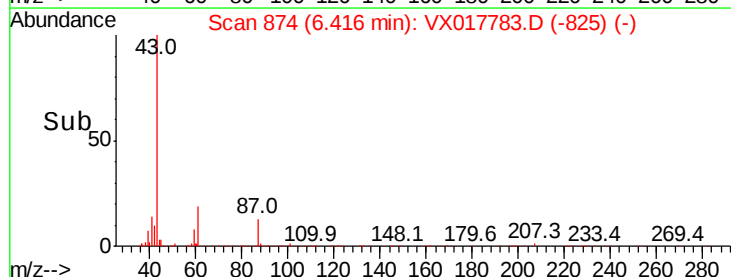
87 14.1 10.5 15.7

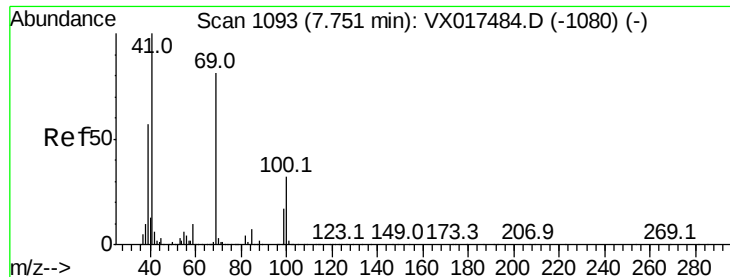


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

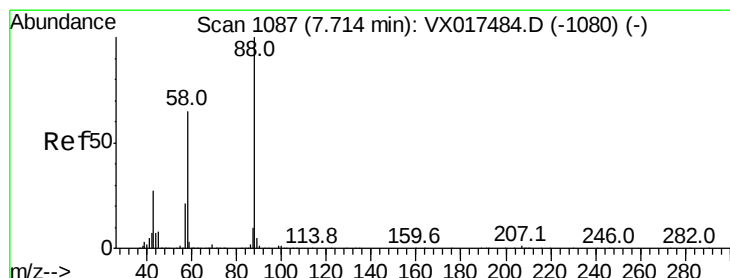
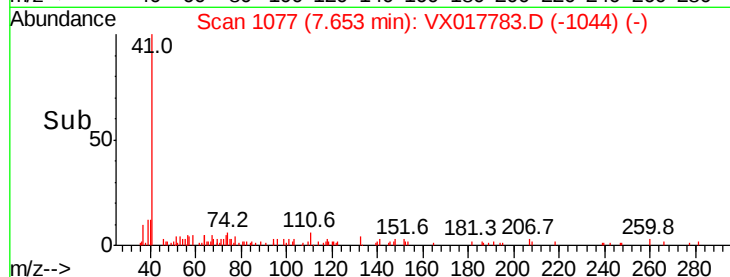
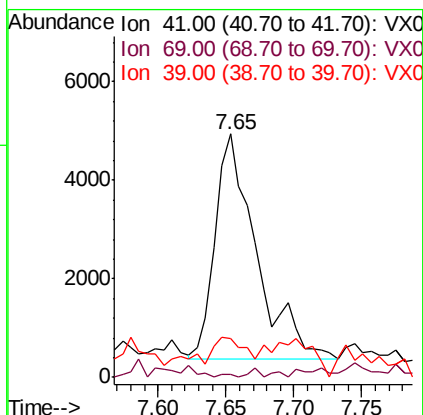
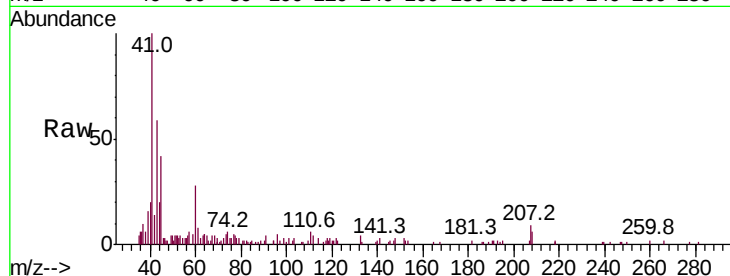




#48
Methvl methacrylate
Concen: 1.312 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

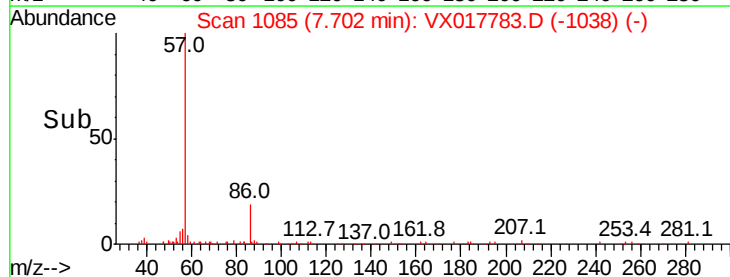
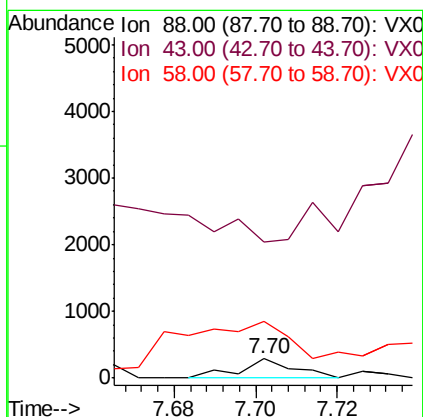
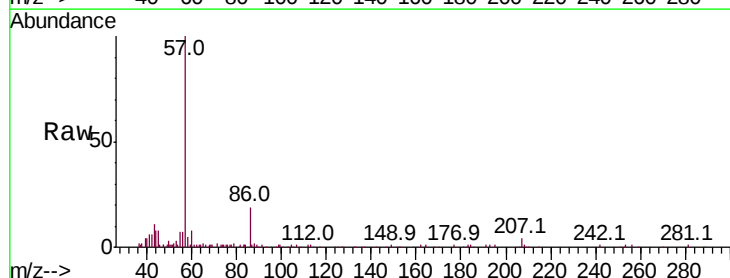
Instrument :
MSVOA_X
ClientSampleId :

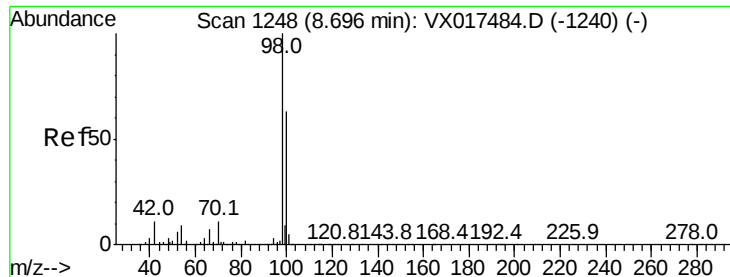
Tot Ion	Ratio	Lower	Upper
41	100		
69	1.3	63.1	94.7#
39	0.0	45.1	67.7#



#49
1,4-Dioxane
Concen: 1.921 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.8	41.6#
58	660.1	58.3	87.5#





#50

Toluene-d8

Concen: 55.887 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017783.D

Acq: 04 Aug 2020 20:23

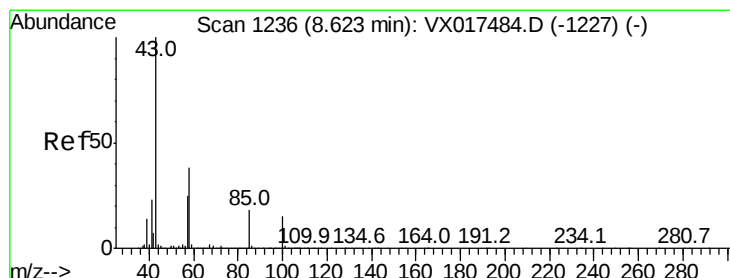
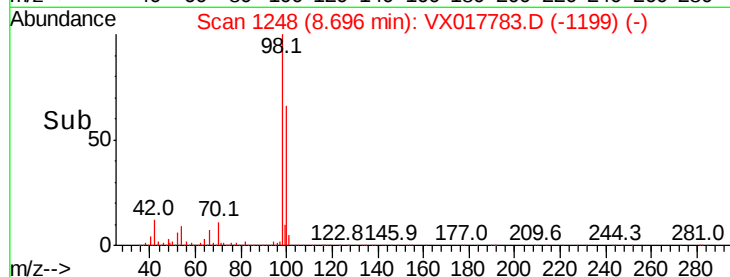
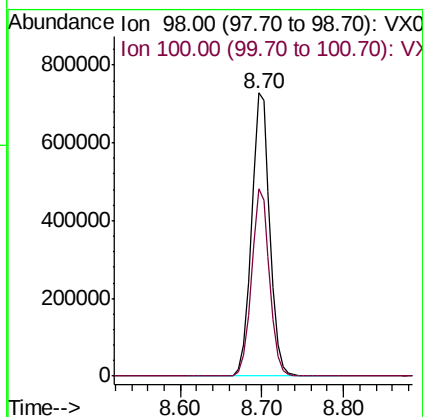
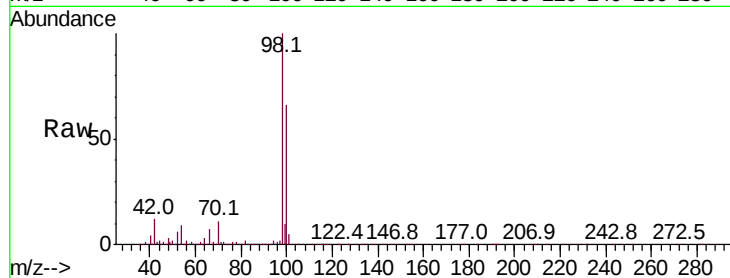
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 1143163

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 16.637 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX017783.D

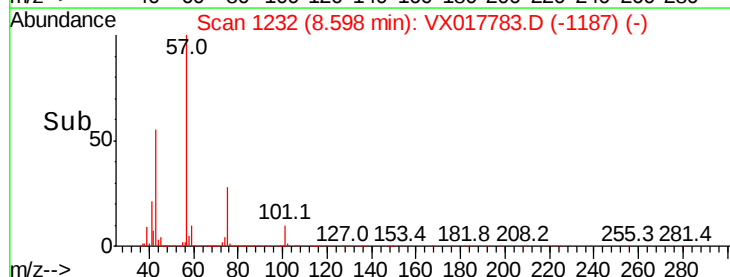
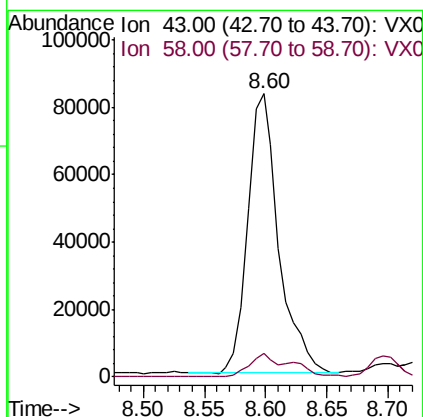
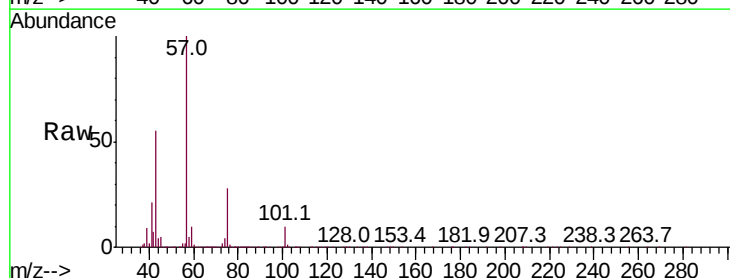
Acq: 04 Aug 2020 20:23

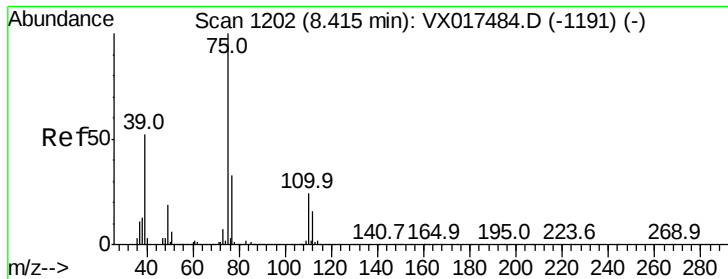
Tgt Ion: 43 Resp: 145714

Ion Ratio Lower Upper

43 100

58 10.9 31.0 46.4#



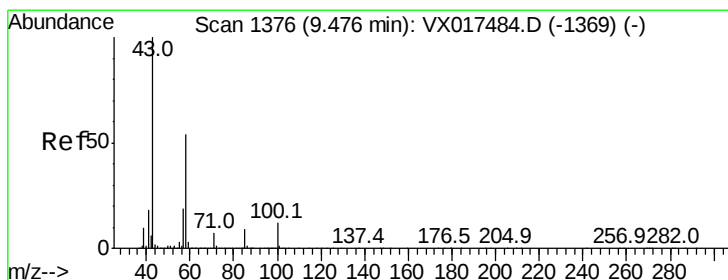
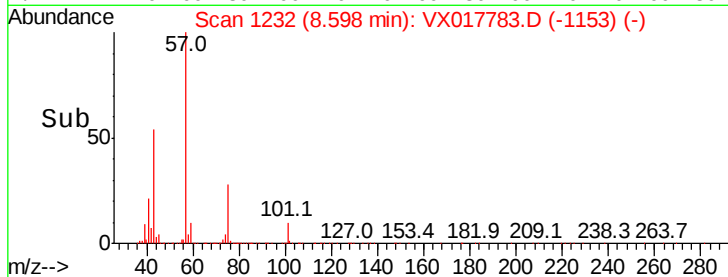
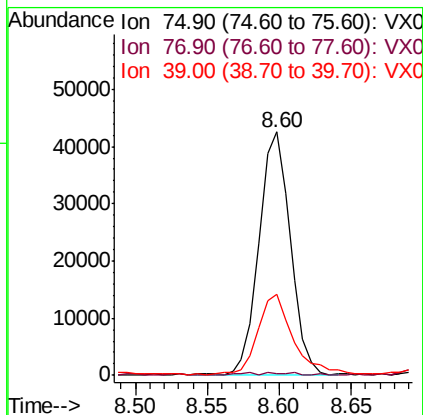
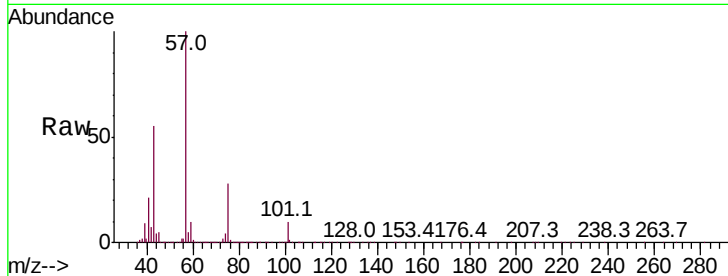


#54

cis-1,3-Dichloropropene
 Concen: 6.059 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :

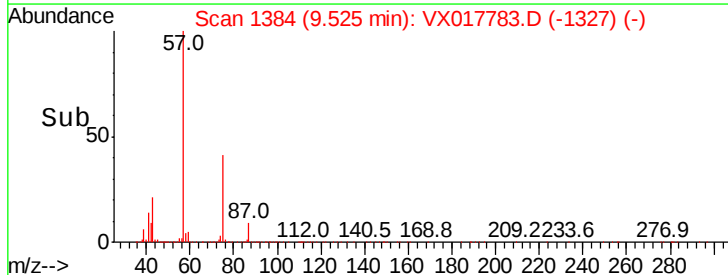
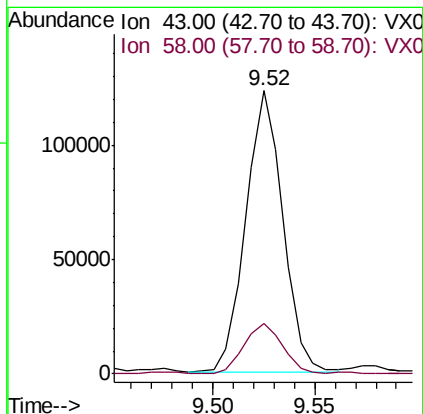
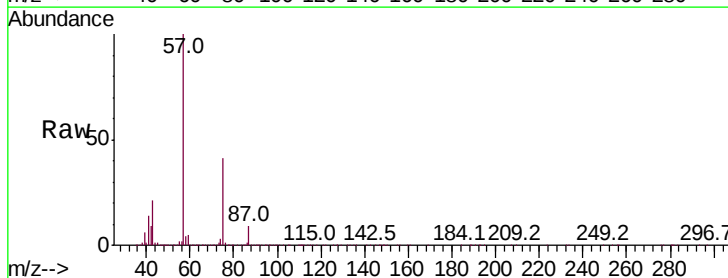
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.5	38.3#
39	33.1	41.8	62.8#

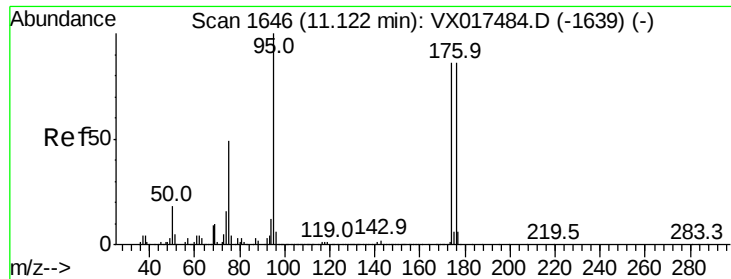


#59

2-Hexanone
 Concen: 23.411 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX017783.D
 Acq: 04 Aug 2020 20:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.9	26.6	79.8#

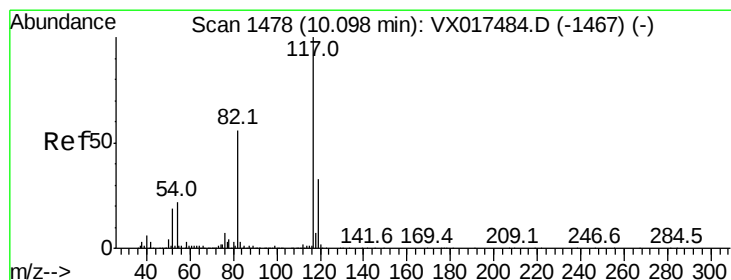
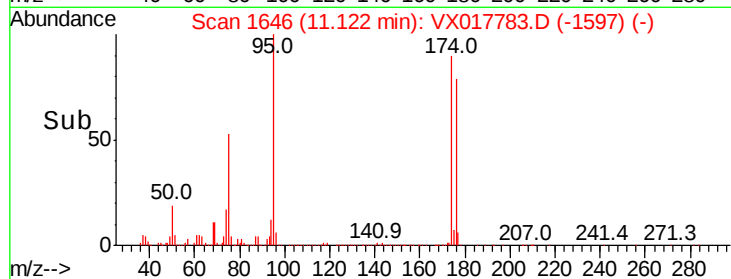
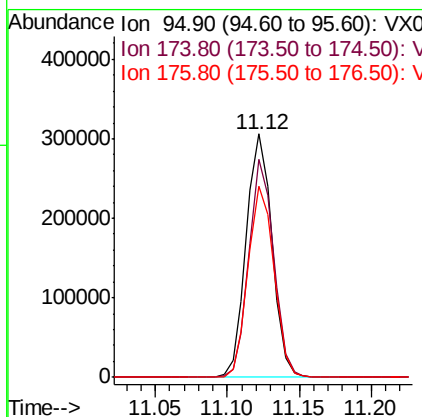
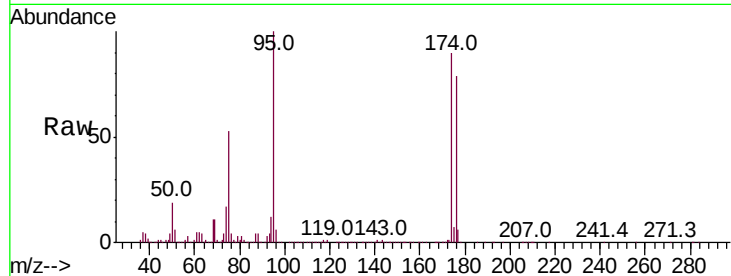




#62
4-Bromofluorobenzene
Concen: 46.164 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

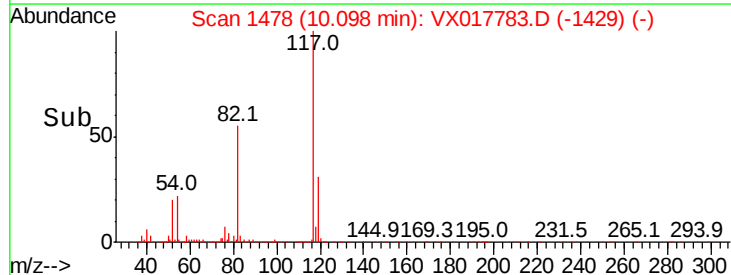
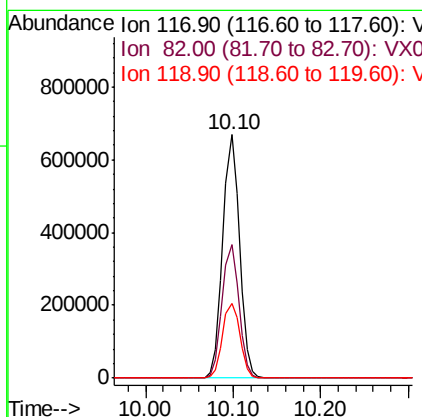
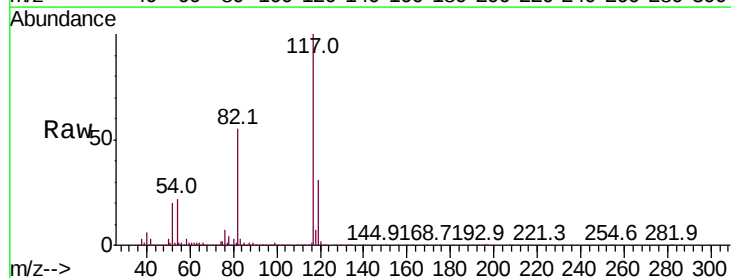
Instrument :
MSVOA_X
ClientSampleId :

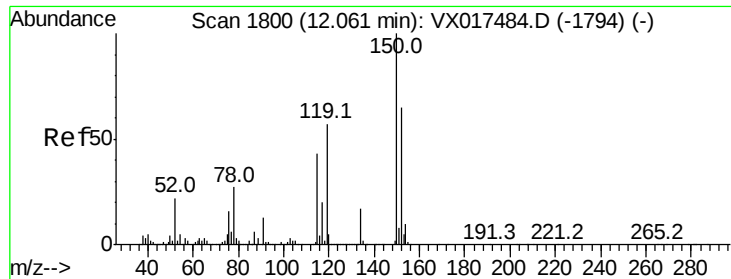
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	169.0
176	79.0	0.0	161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.0	66.0
119	30.5	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: VX017783.D

Acq: 04 Aug 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

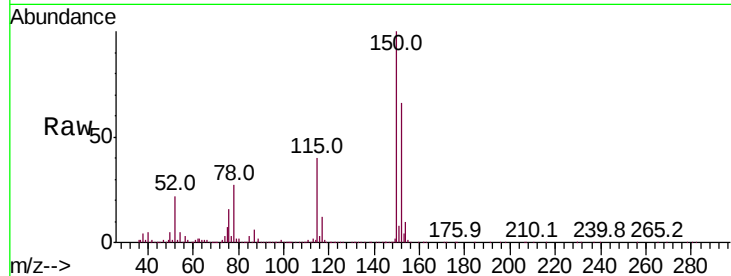
Tot Ion:152 Resp: 387164

Ion Ratio Lower Upper

152 100

115 58.4 65.5 196.6#

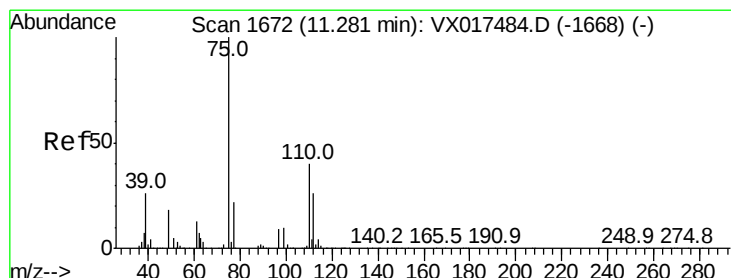
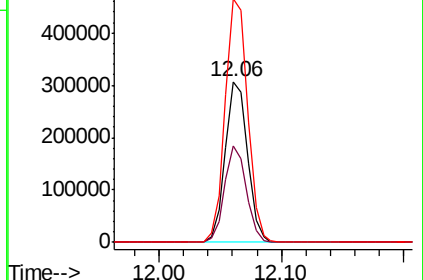
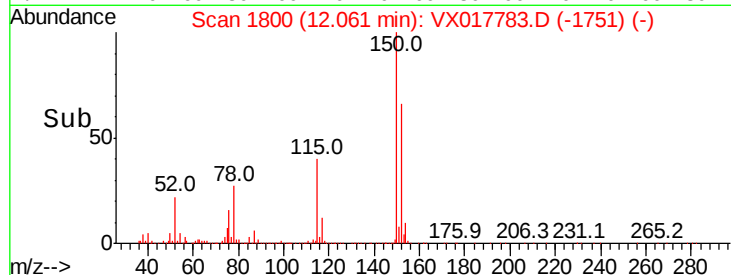
150 152.3 0.0 412.6



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: 24.257 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017783.D

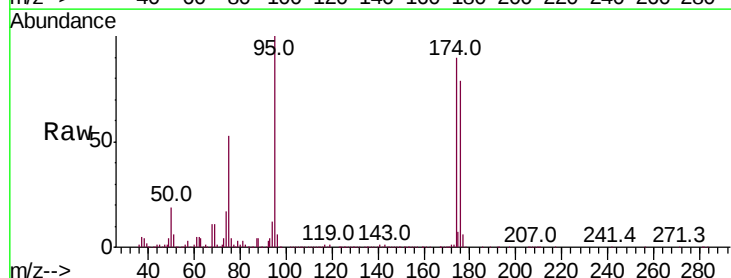
Acq: 04 Aug 2020 20:23

Tgt Ion: 75 Resp: 193190

Ion Ratio Lower Upper

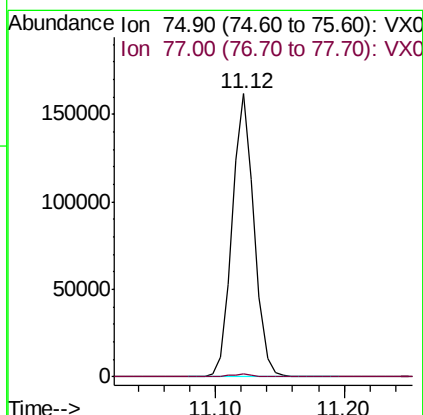
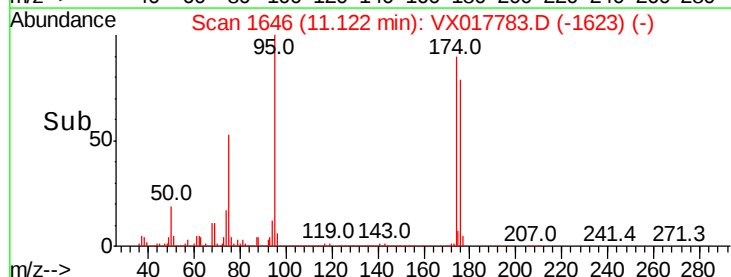
75 100

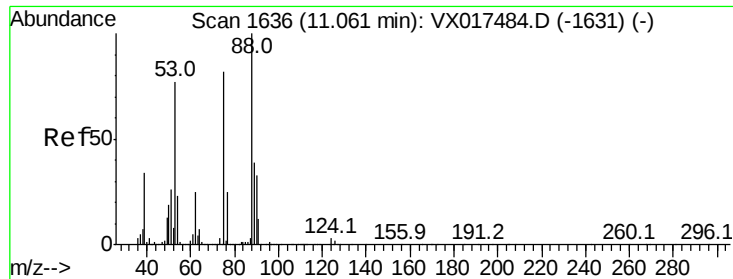
77 1.4 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

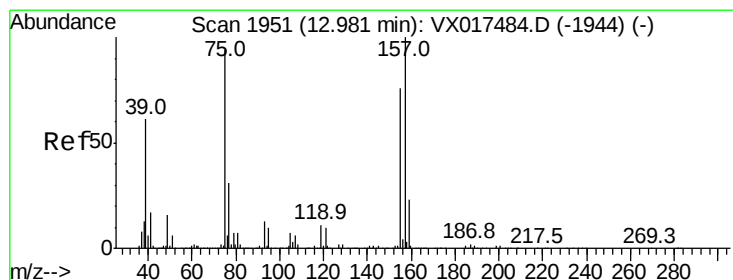
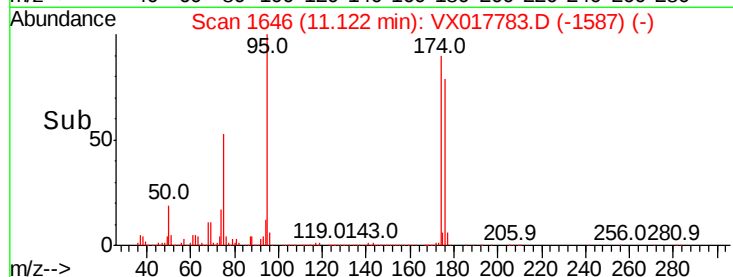
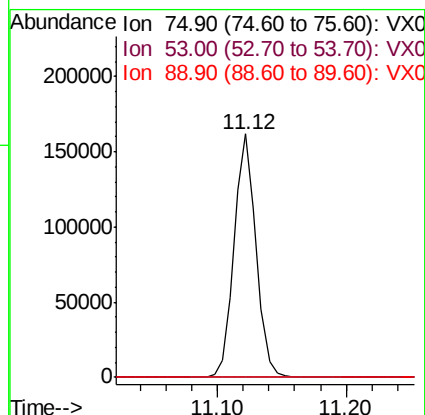
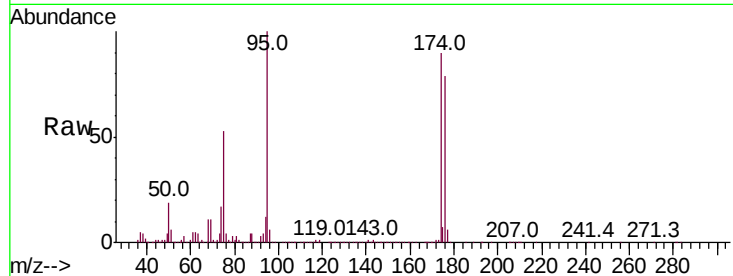




#81
trans-1,4-Dichloro-2-butene
Concen: 61.123 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 193190
Ion Ratio Lower Upper
75 100
53 0.5 75.9 113.9#
89 0.4 37.8 56.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.665 ug/l
RT: 12.94 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VX017783.D
Acq: 04 Aug 2020 20:23

Tgt Ion: 75 Resp: 218
Ion Ratio Lower Upper
75 100
155 0.0 42.3 126.8#
157 0.0 54.3 162.9#

