

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080420\
 Data File : VX017775.D
 Acq On : 04 Aug 2020 17:19
 Operator : JC/SP
 Sample : PB130720ZHE#17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 05 01:50:36 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

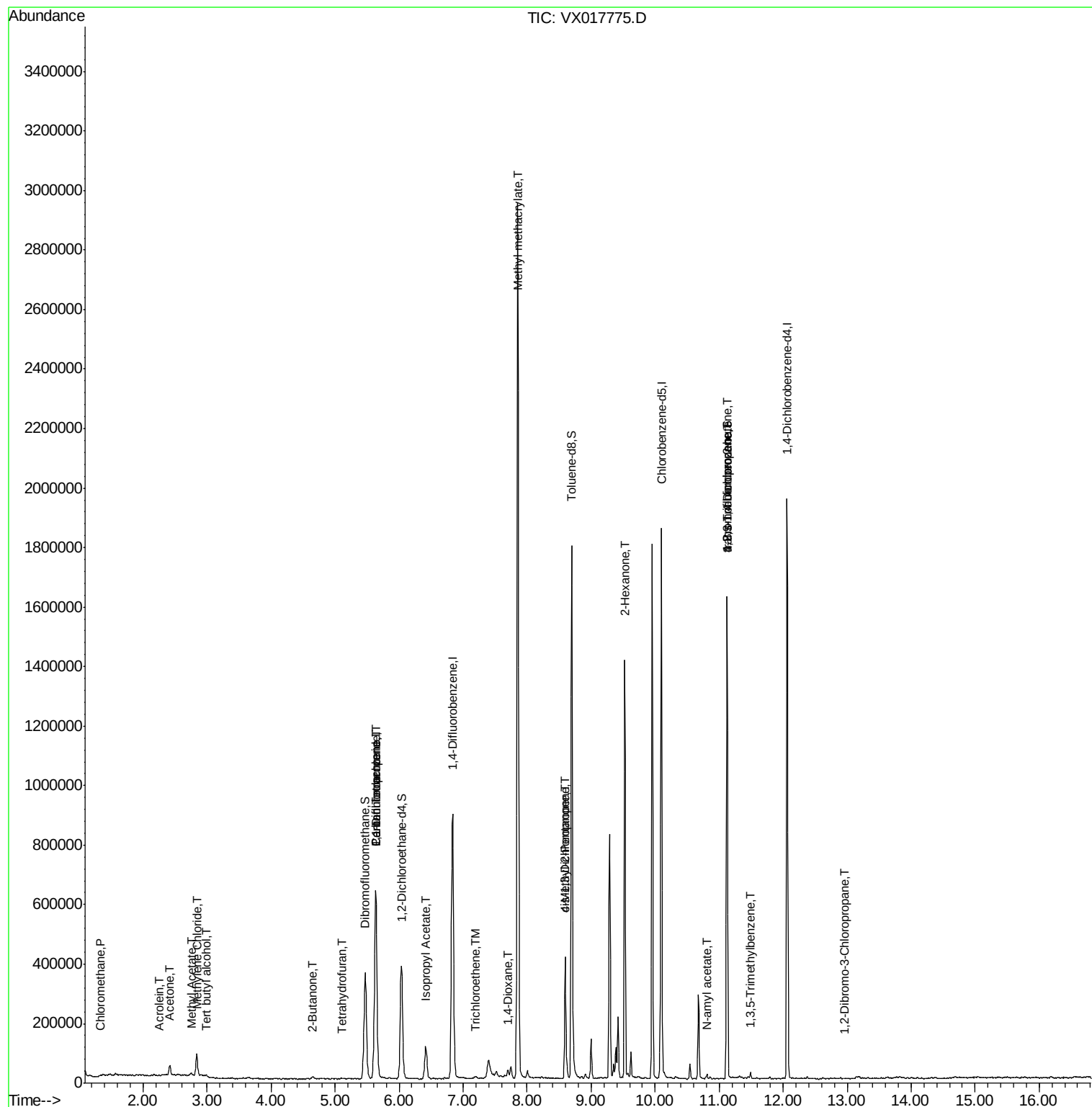
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	593868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	891078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	829038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	408102	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	390277	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	5.47	113	302324	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.70	98	1049371	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.12	95	397942	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	540	Below Cal	#	68
3) Chloromethane	1.32	50	523	0.438 ug/l	#	42
5) Bromomethane	1.65	94	887	Below Cal	#	39
6) Chloroethane	1.68	64	424	Below Cal	#	74
8) Diethyl Ether	2.37	74	502	Below Cal		83
11) Tert butyl alcohol	3.00	59	2466	1.534 ug/l	#	80
13) Acrolein	2.26	56	298	4.387 ug/l	#	1
16) Acetone	2.42	43	39225	11.683 ug/l		98
18) Methyl Acetate	2.75	43	9109	1.152 ug/l	#	79
20) Methylene Chloride	2.84	84	34043	4.207 ug/l		95
25) 2-Butanone	4.64	43	7681	1.610 ug/l		97
29) Tetrahydrofuran	5.11	42	3620	1.225 ug/l	#	79
36) 1,1-Dichloropropene	5.63	75	43414	5.080 ug/l	#	53
38) Carbon Tetrachloride	5.63	117	61874	5.962 ug/l	#	17
43) Isopropyl Acetate	6.42	43	155620	10.087 ug/l		99
44) Trichloroethene	7.19	130	2954	0.413 ug/l		65
48) Methyl methacrylate	7.85	41	248337	32.472 ug/l	#	45
49) 1,4-Dioxane	7.71	88	528	3.601 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.60	43	150433	16.342 ug/l	#	47
54) cis-1,3-Dichloropropene	8.60	75	65770	5.964 ug/l	#	54
59) 2-Hexanone	9.52	43	157582	22.737 ug/l	#	52
74) N-amyl acetate	10.81	43	7760	0.624 ug/l	#	55
76) 1,2,3-Trichloropropane	11.12	75	202160	24.081 ug/l	#	35
80) 1,3,5-Trimethylbenzene	11.49	105	6648	0.278 ug/l		88
81) trans-1,4-Dichloro-2-buten	11.12	75	202160	60.680 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	203	2.655 ug/l	#	14

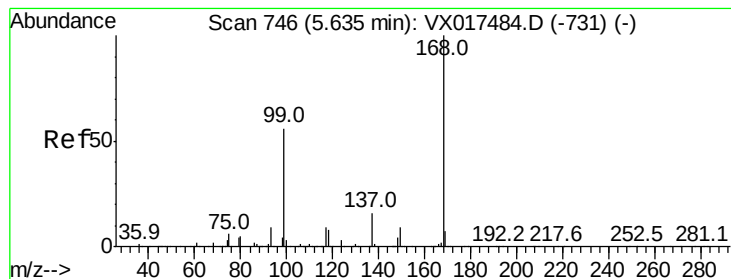
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080420\
Data File : VX017775.D
Acq On : 04 Aug 2020 17:19
Operator : JC/SP
Sample : PB130720ZHE#17
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 05 01:50:36 2020
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: VX017775.D

Acq: 04 Aug 2020 17:19

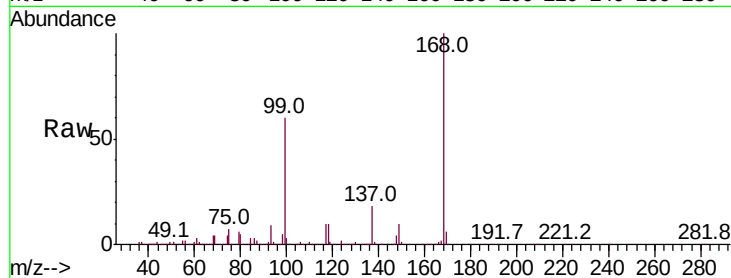
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 593868

Ion Ratio Lower Upper

168 100

99 60.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

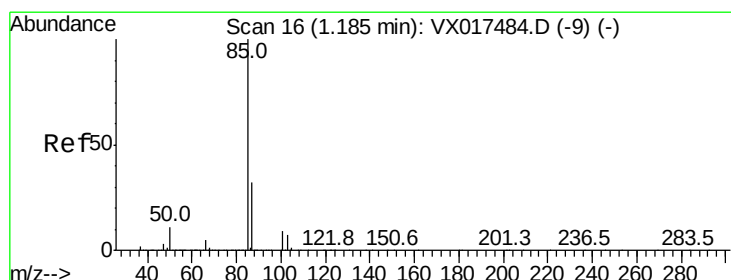
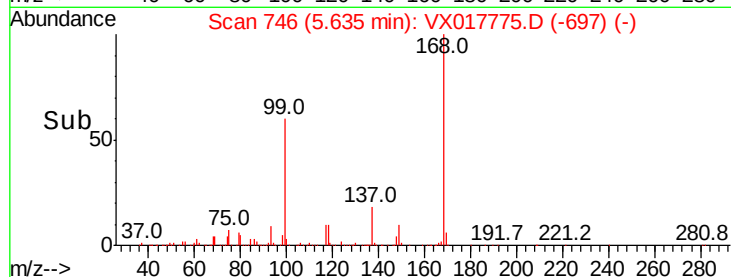
50000

0

5.50 5.60 5.70 5.80

5.64

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017775.D

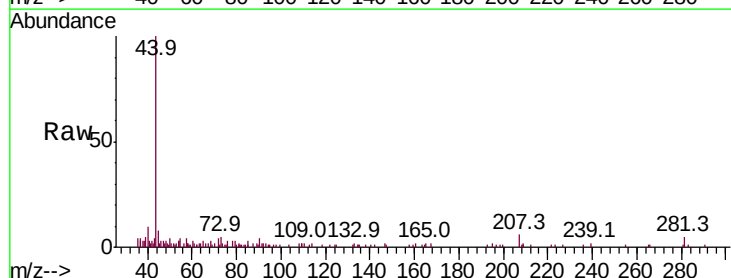
Acq: 04 Aug 2020 17:19

Tgt Ion: 85 Resp: 540

Ion Ratio Lower Upper

85 100

87 14.1 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

150

100

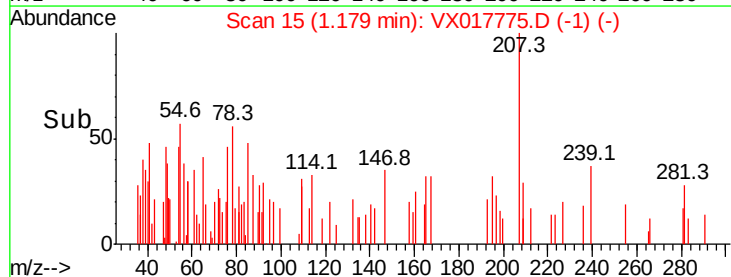
50

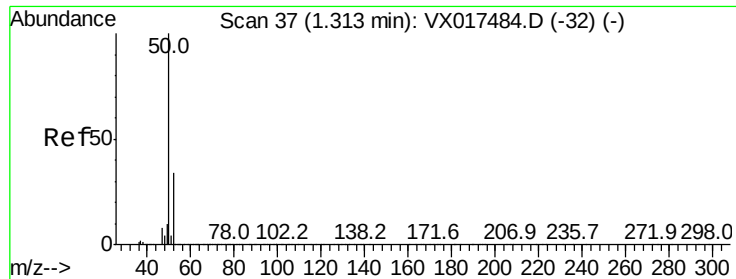
0

1.10 1.15 1.20

1.18

Time-->





#3

Chloromethane

Concen: 0.438 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

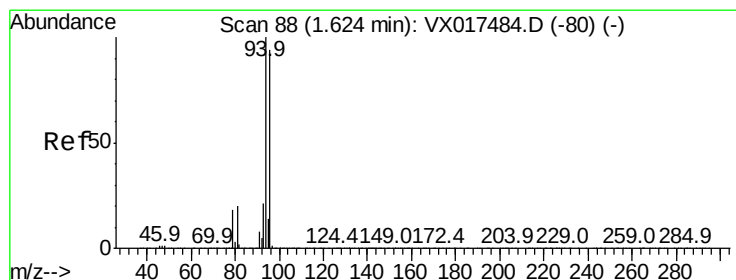
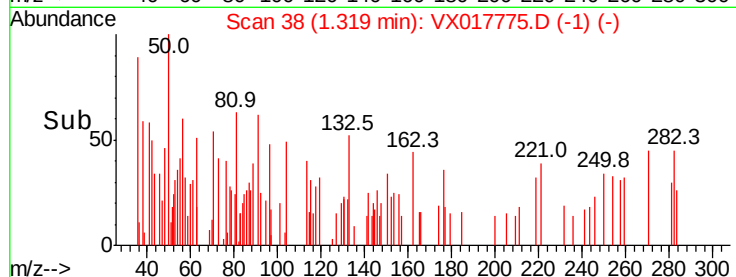
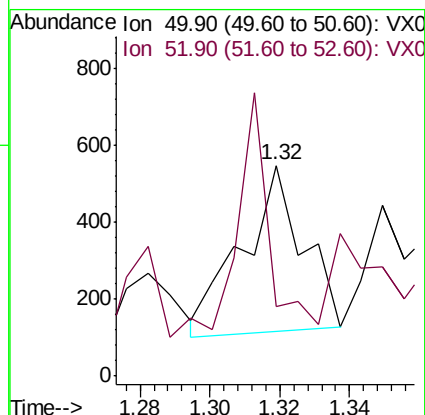
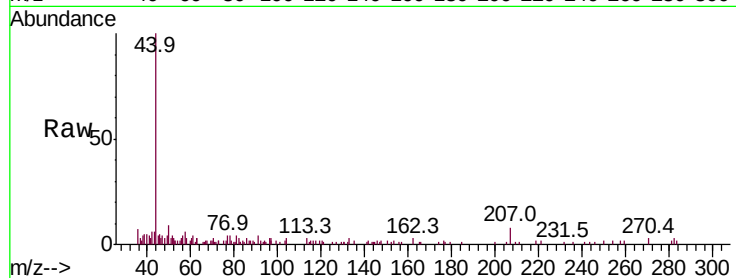
ClientSampled :

Tot Ion: 50 Resp: 523

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX017775.D

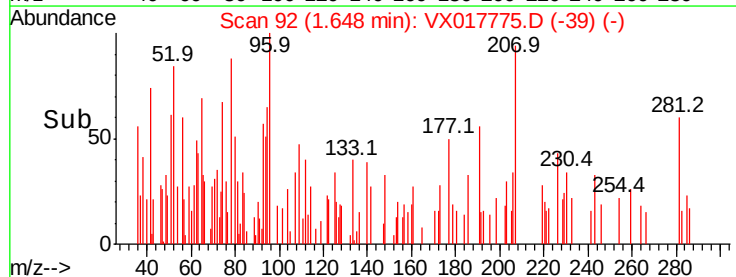
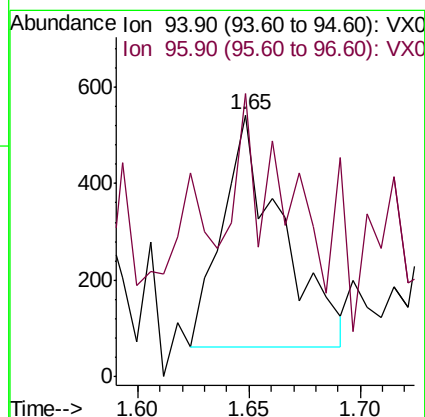
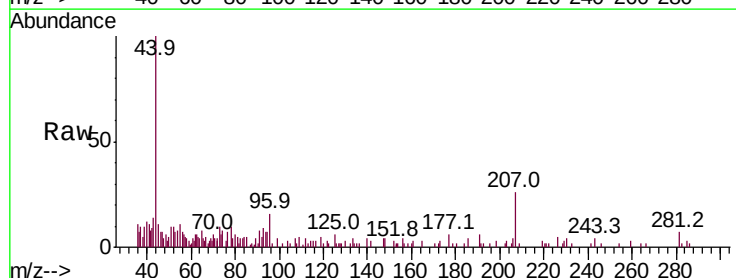
Acq: 04 Aug 2020 17:19

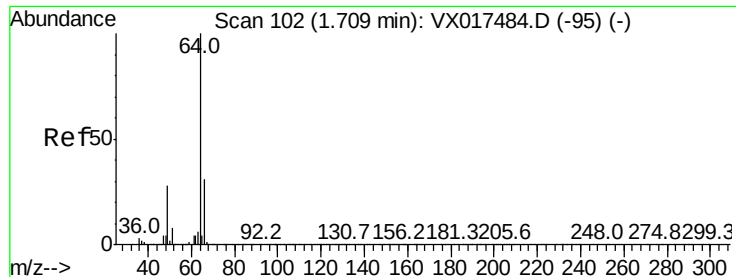
Tgt Ion: 94 Resp: 887

Ion Ratio Lower Upper

94 100

96 34.1 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.02 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

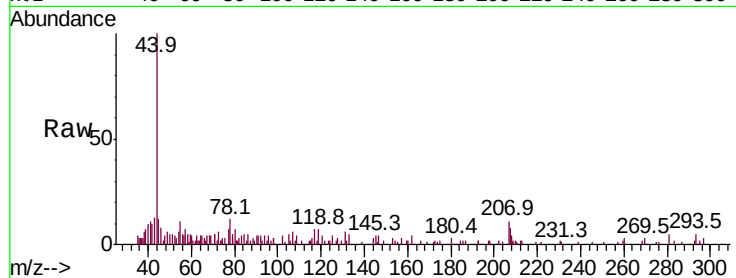
ClientSampleId :

Tot Ion: 64 Resp: 424

Ion Ratio Lower Upper

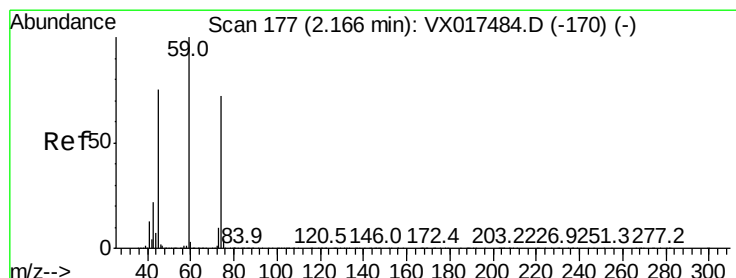
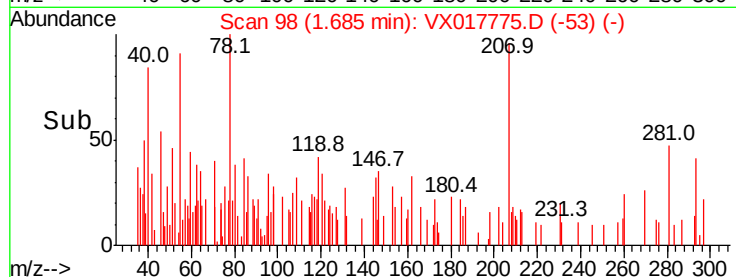
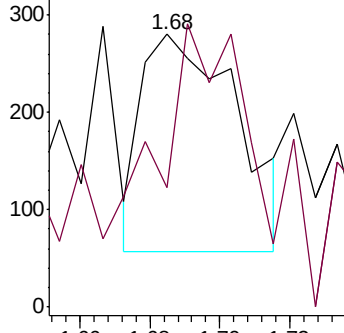
64 100

66 45.7 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: 2.37 min Scan# 211

Delta R.T. 0.21 min

Lab File: VX017775.D

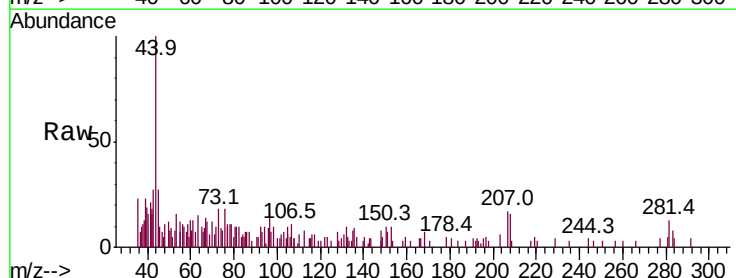
Acq: 04 Aug 2020 17:19

Tgt Ion: 74 Resp: 502

Ion Ratio Lower Upper

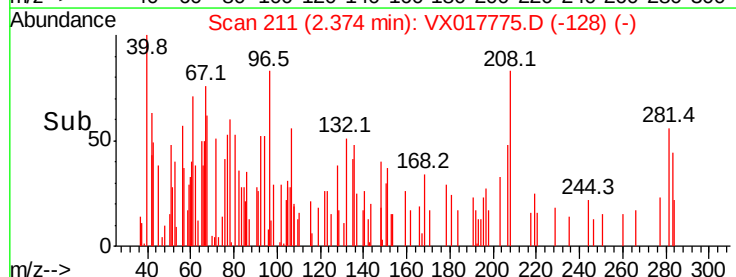
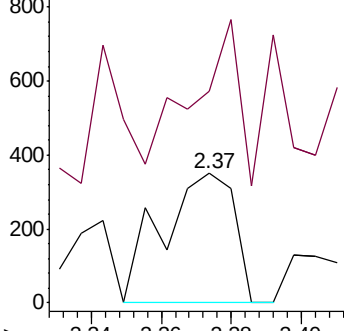
74 100

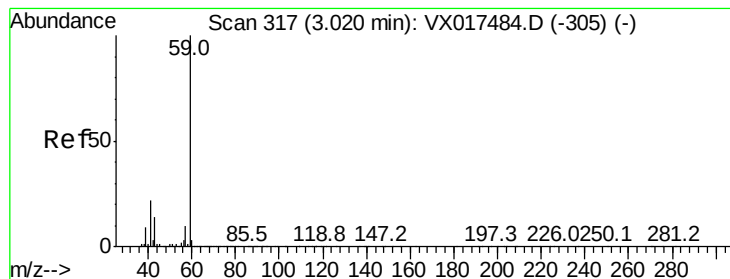
45 84.5 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



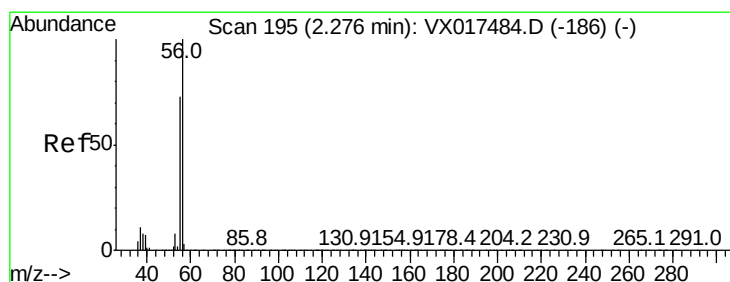
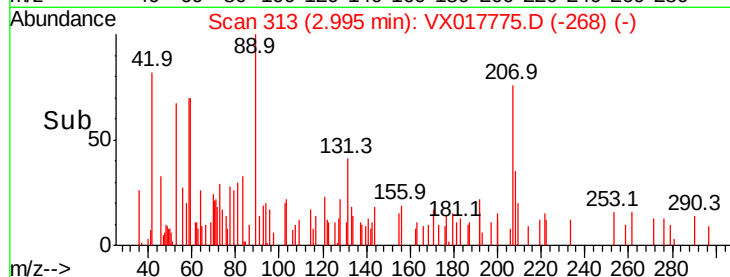
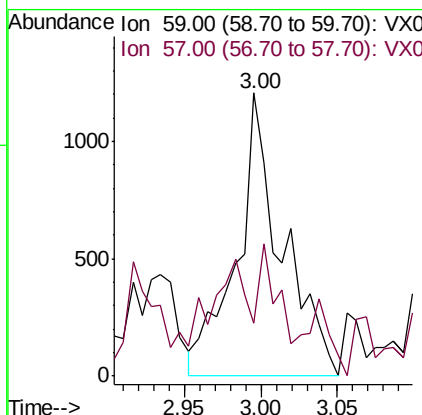
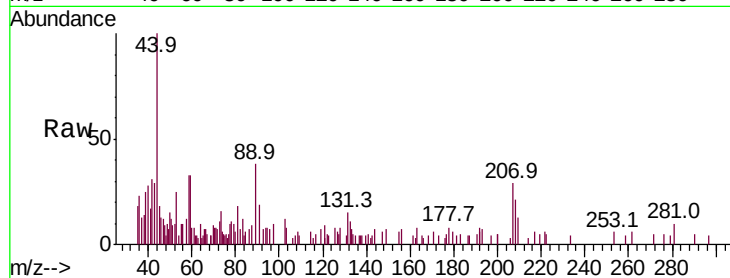


#11

Tert butyl alcohol
 Concen: 1.534 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX017775.D
 Acq: 04 Aug 2020 17:19

Instrument :
 MSVOA_X
 ClientSampled :

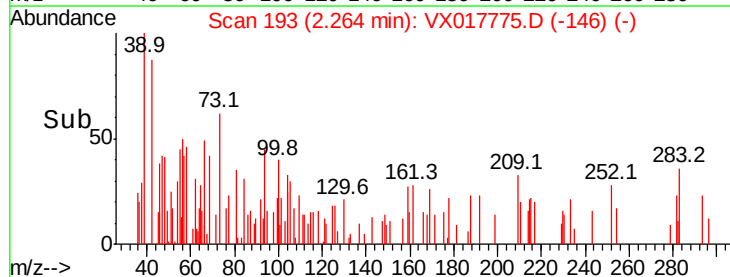
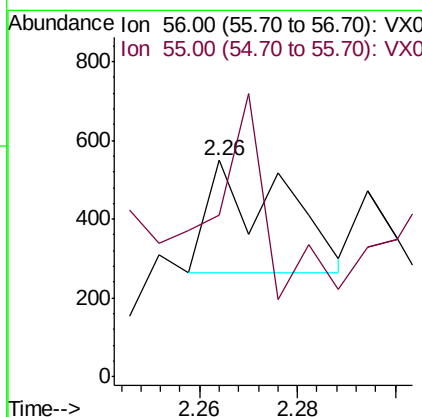
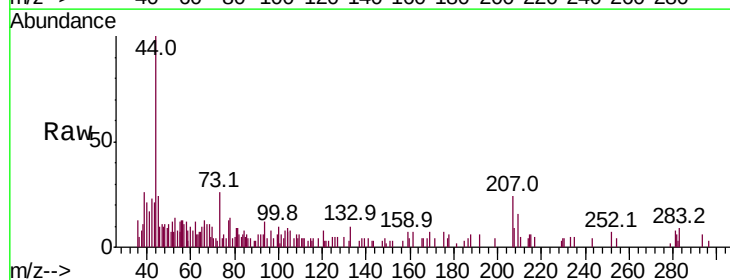
Tot Ion: 59 Resp: 2466
 Ion Ratio Lower Upper
 59 100
 57 18.4 8.6 12.8#

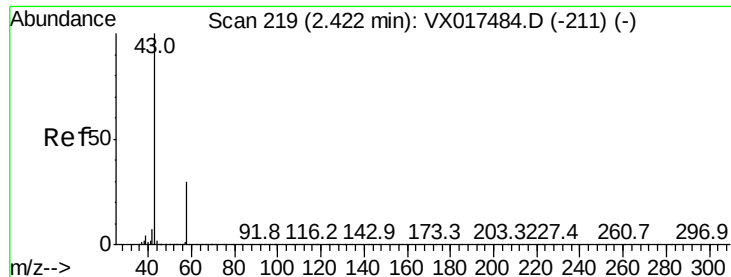


#13

Acrolein
 Concen: 4.387 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX017775.D
 Acq: 04 Aug 2020 17:19

Tgt Ion: 56 Resp: 298
 Ion Ratio Lower Upper
 56 100
 55 169.8 57.4 86.2#

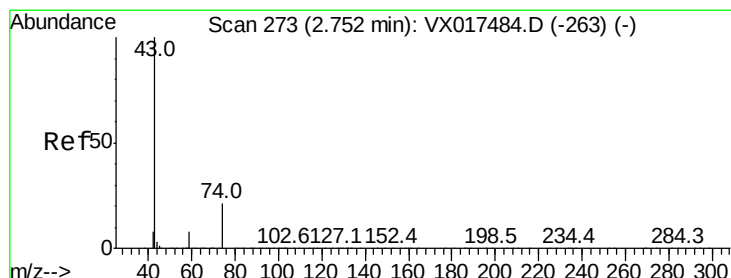
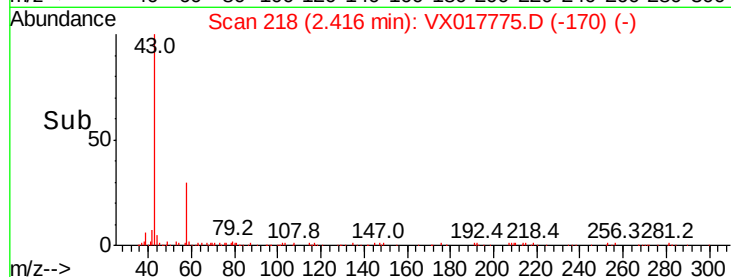
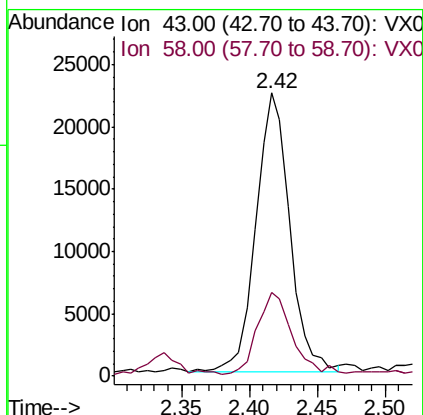
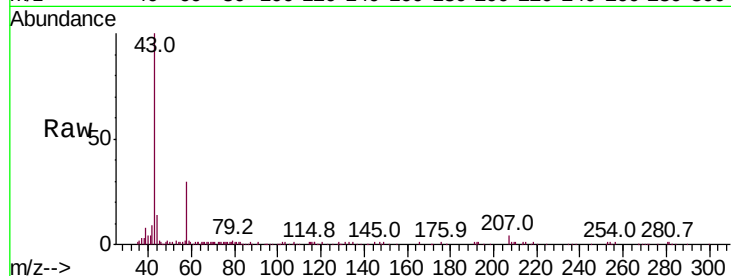




#16
Acetone
Concen: 11.683 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

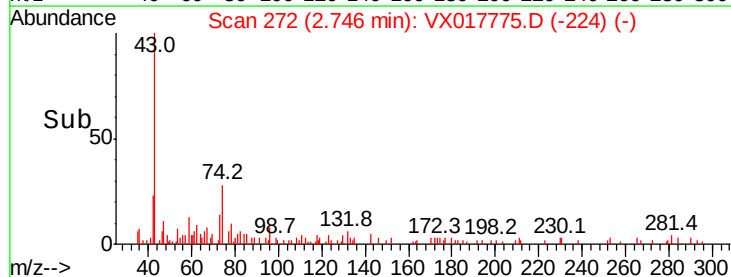
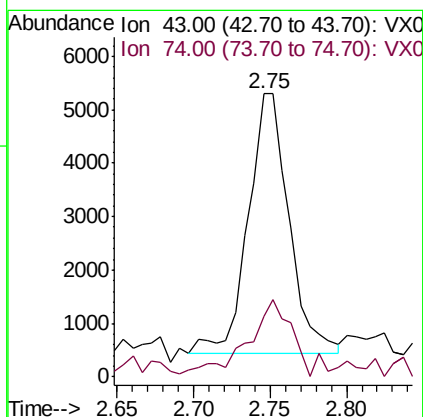
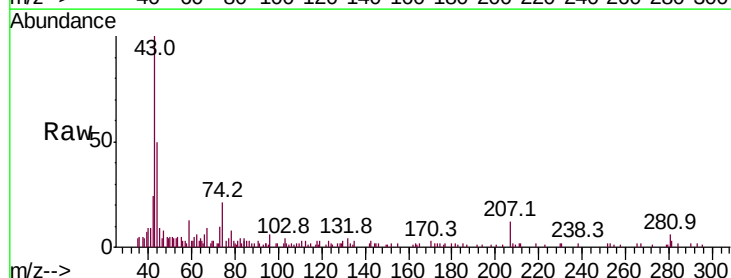
Instrument :
MSVOA_X
ClientSampled :

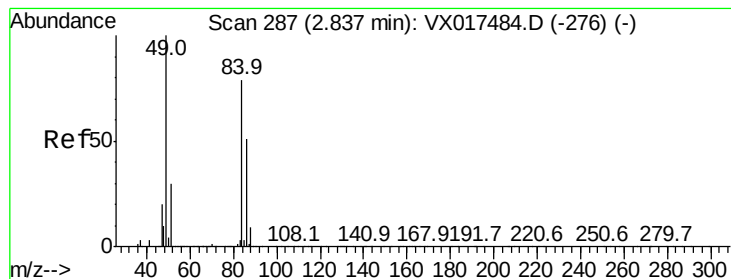
Tot Ion: 43 Resp: 39225
Ion Ratio Lower Upper
43 100
58 29.1 24.2 36.4



#18
Methyl Acetate
Concen: 1.152 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

Tgt Ion: 43 Resp: 9109
Ion Ratio Lower Upper
43 100
74 32.0 17.5 26.3#





#20

Methylene Chloride

Concen: 4.207 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 34043

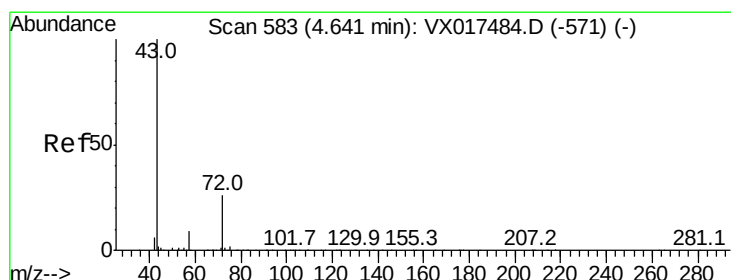
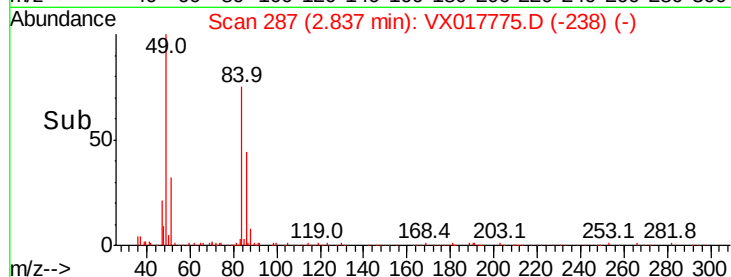
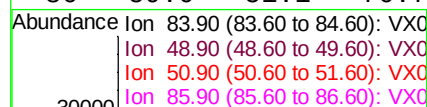
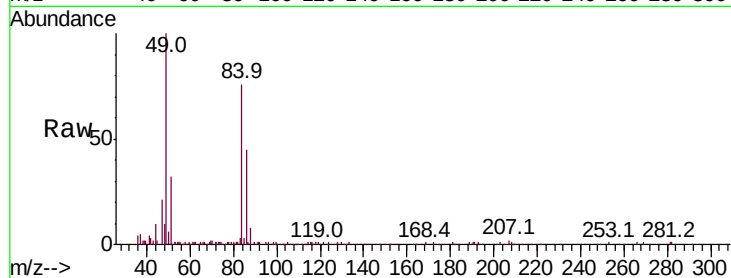
Ion Ratio Lower Upper

84 100

49 129.6 100.3 150.5

51 41.4 30.5 45.7

86 59.0 51.1 76.7



#25

2-Butanone

Concen: 1.610 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX017775.D

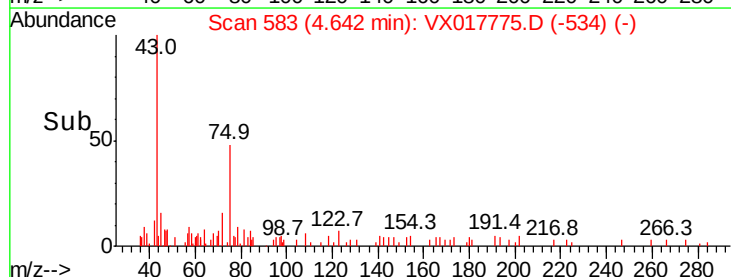
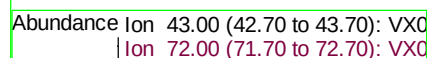
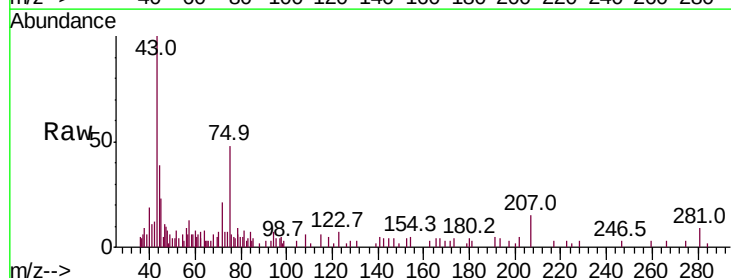
Acq: 04 Aug 2020 17:19

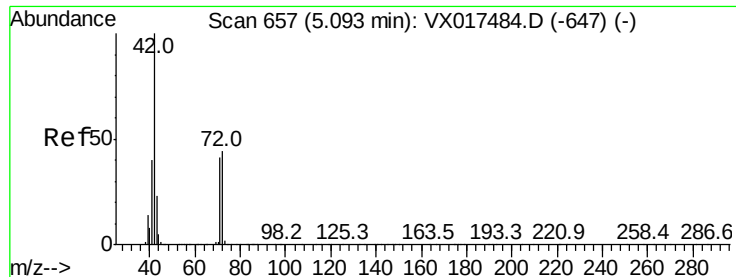
Tgt Ion: 43 Resp: 7681

Ion Ratio Lower Upper

43 100

72 22.1 19.0 28.4

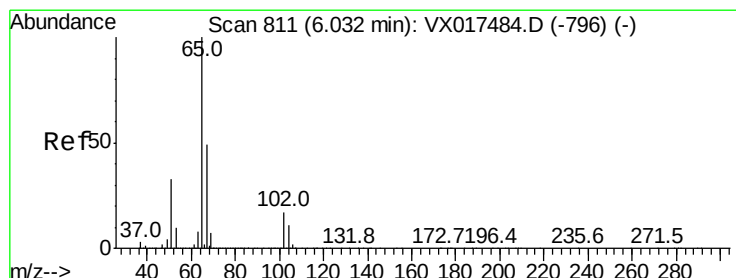
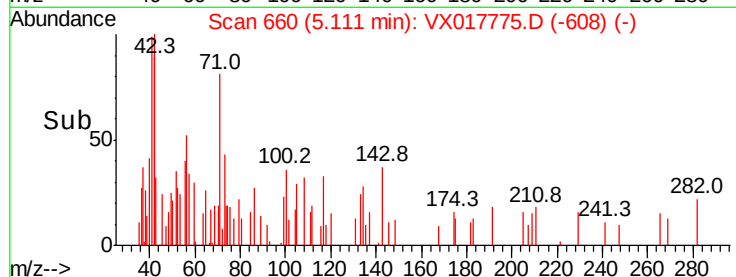
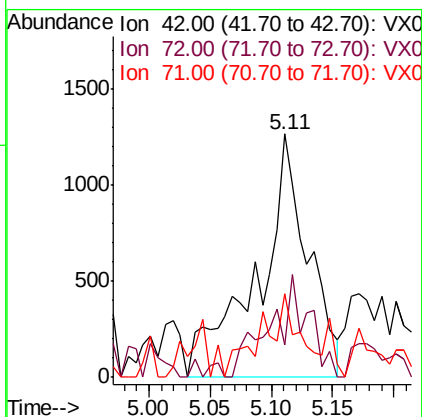
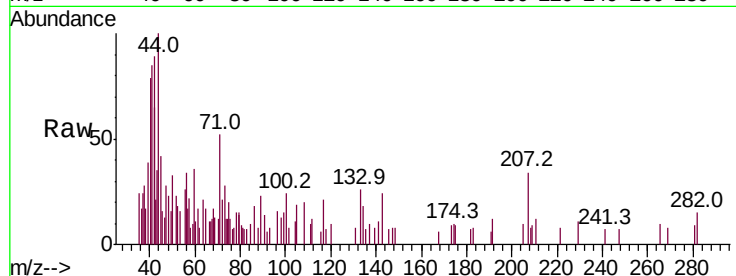




#29
Tetrahydrofuran
Concen: 1.225 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

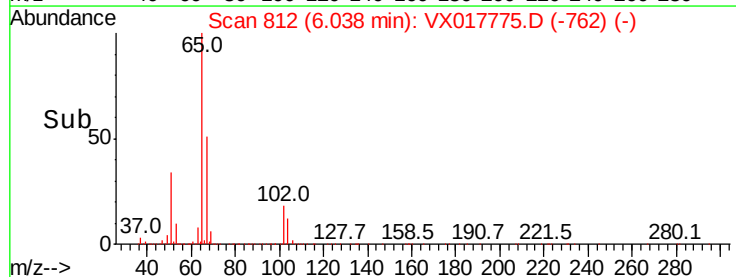
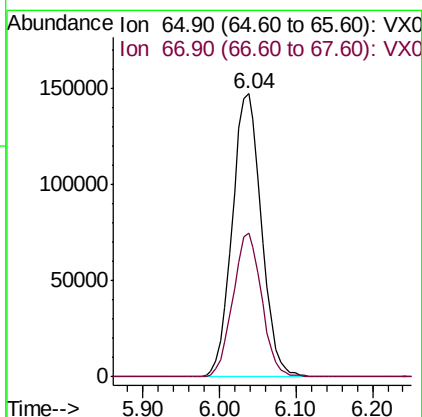
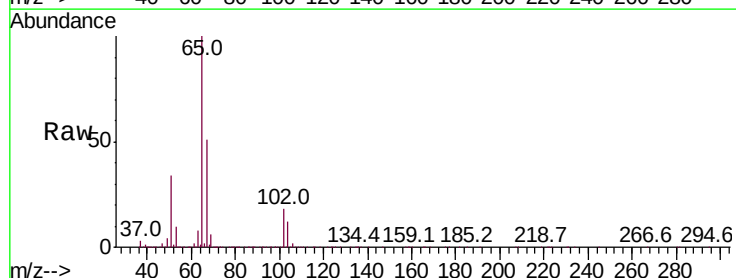
Instrument :
MSVOA_X
ClientSampleId :

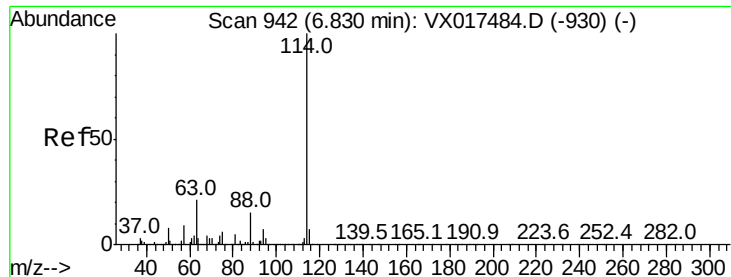
Tot Ion: 42 Resp: 3620
Ion Ratio Lower Upper
42 100
72 32.4 35.5 53.3#
71 26.3 33.0 49.4#



#33
1,2-Dichloroethane-d4
Concen: 51.160 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

Tgt Ion: 65 Resp: 390277
Ion Ratio Lower Upper
65 100
67 49.9 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: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

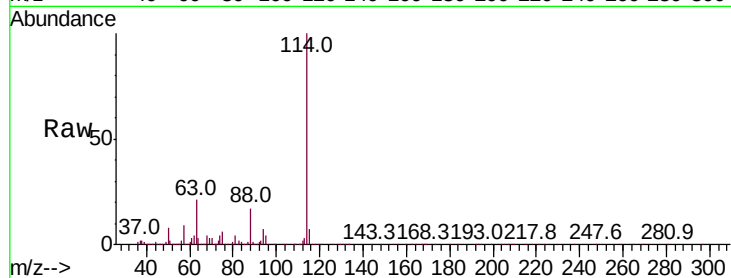
Tot Ion:114 Resp: 891078

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.6

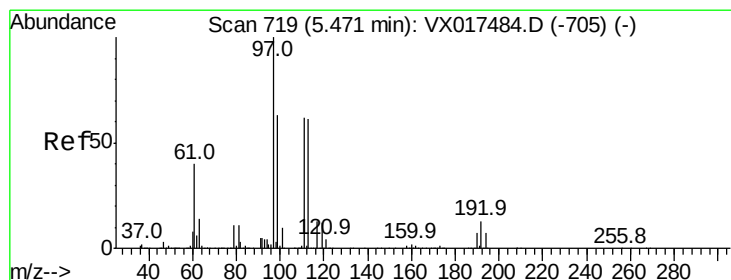
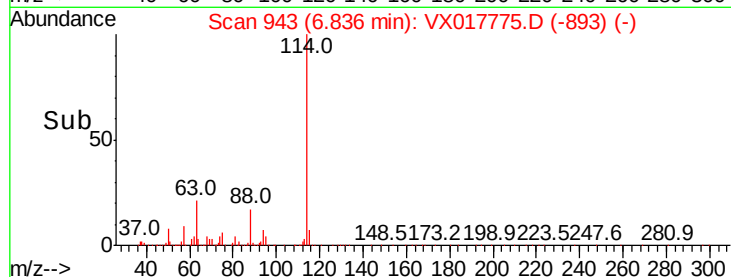
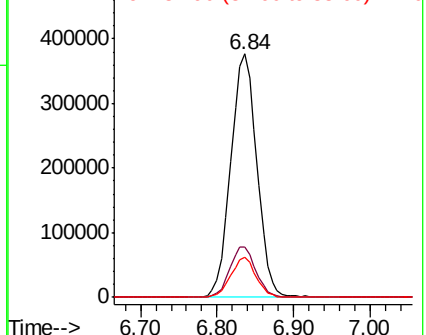
88 16.7 0.0 33.4



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: 50.729 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

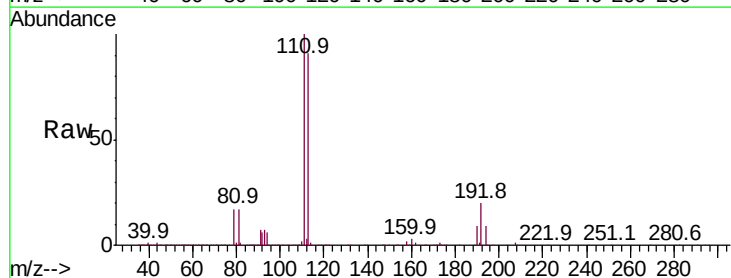
Tgt Ion:113 Resp: 302324

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

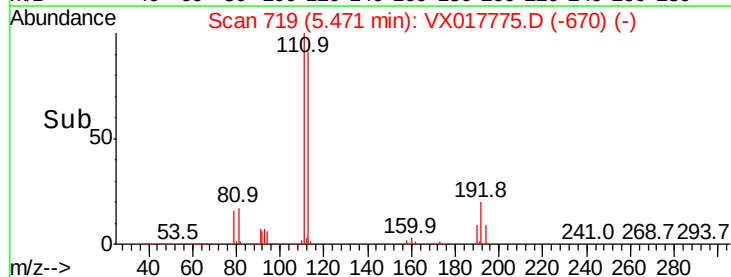
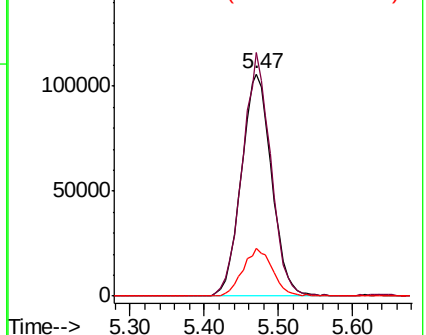
192 21.1 16.9 25.3

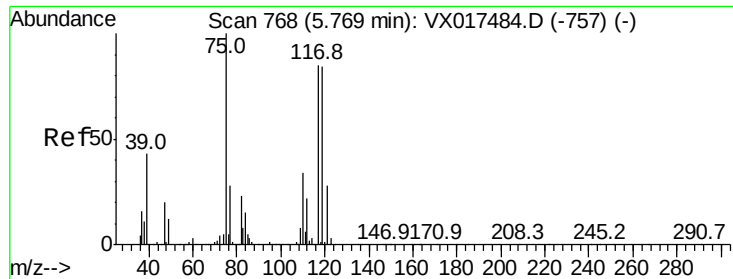


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

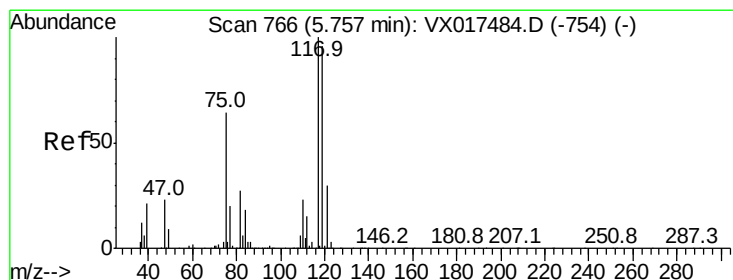
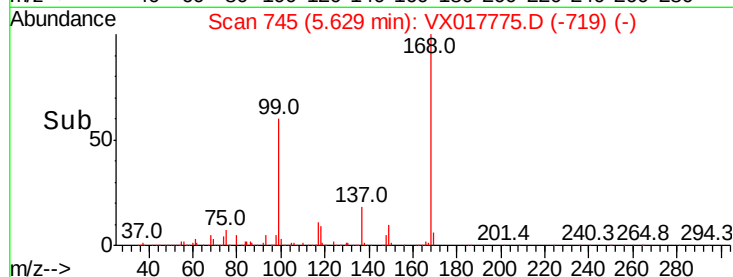
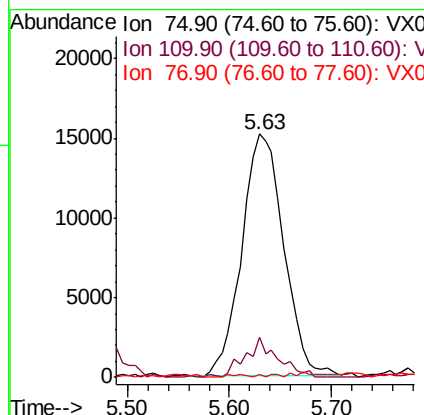
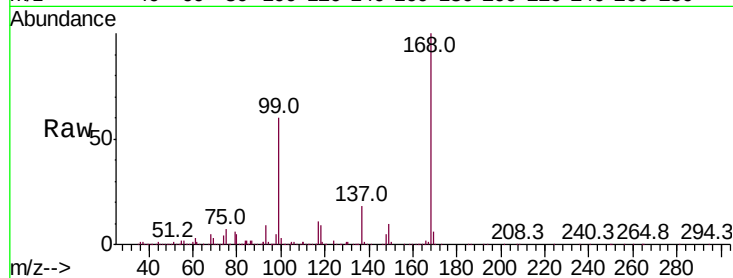




#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017775.D
 Acq: 04 Aug 2020 17:19

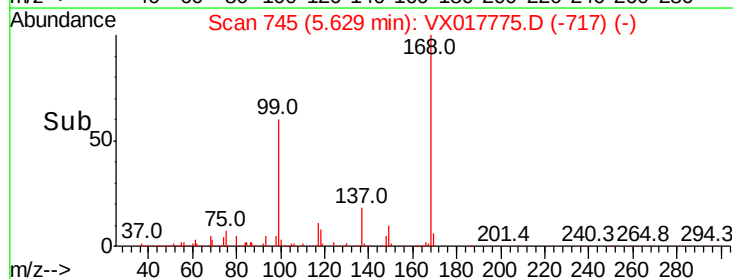
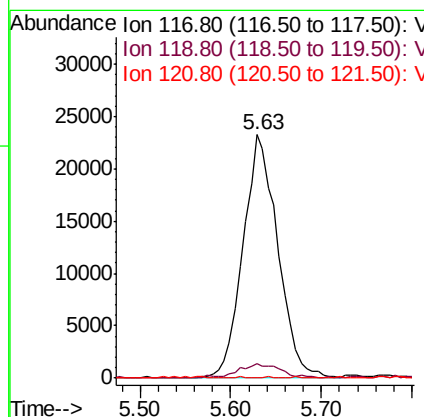
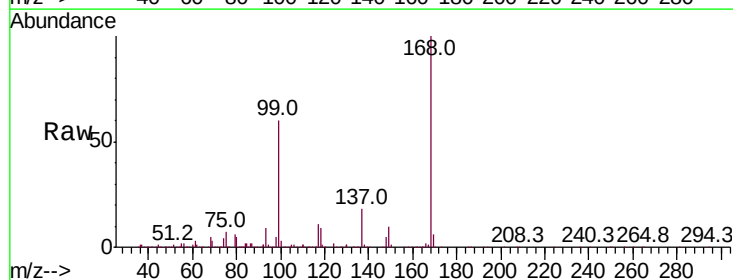
Instrument :
 MSVOA_X
 ClientSampleId :

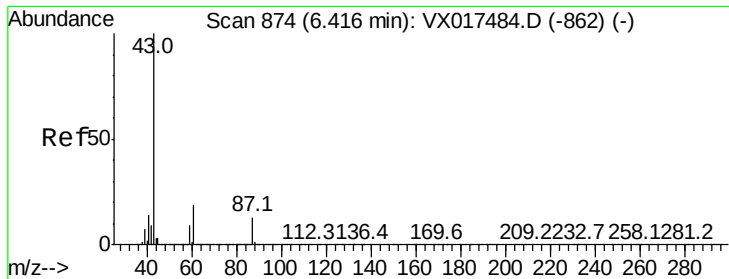
Tot Ion: 75 Resp: 43414
 Ion Ratio Lower Upper
 75 100
 110 12.5 18.1 54.3#
 77 0.5 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.962 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017775.D
 Acq: 04 Aug 2020 17:19

Tgt Ion: 117 Resp: 61874
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.4 113.0#
 121 0.0 24.3 36.5#



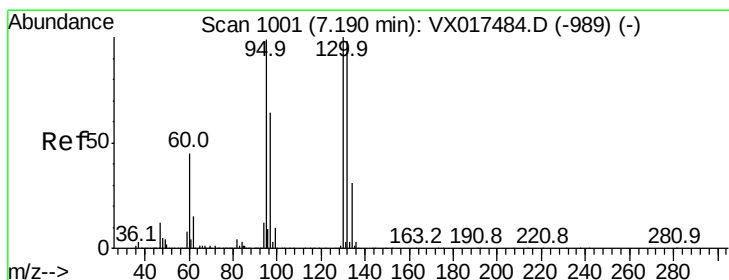
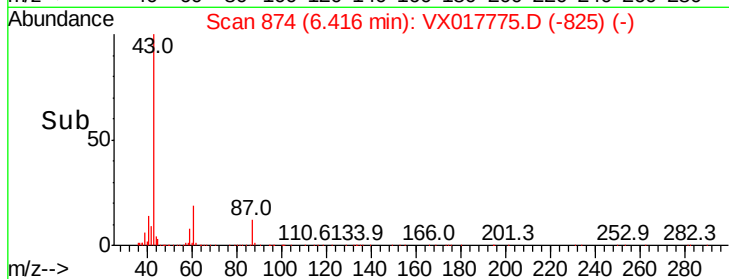
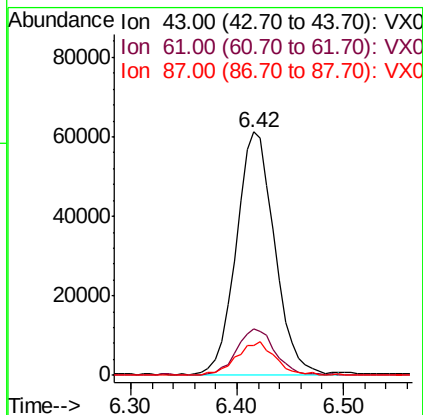
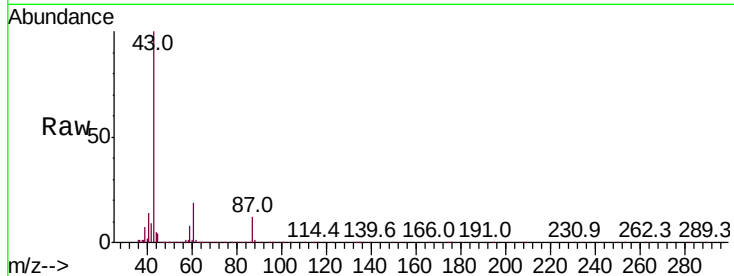


#43

Isopropyl Acetate
 Concen: 10.087 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX017775.D
 Acq: 04 Aug 2020 17:19

Instrument :
 MSVOA_X
 ClientSampled :

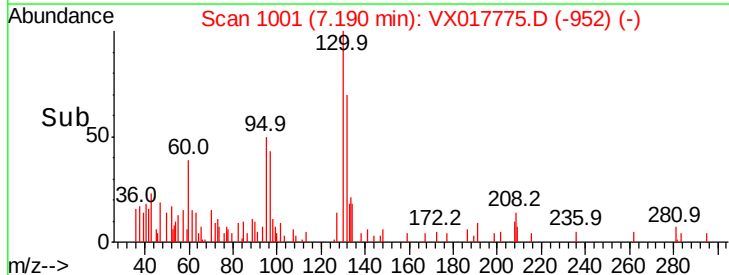
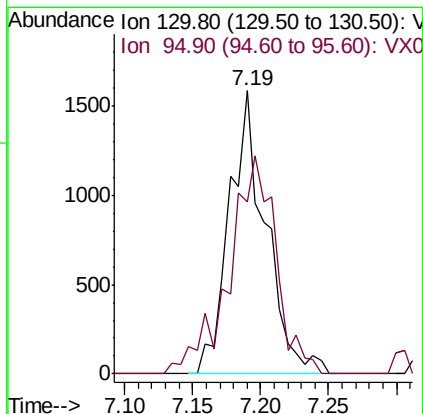
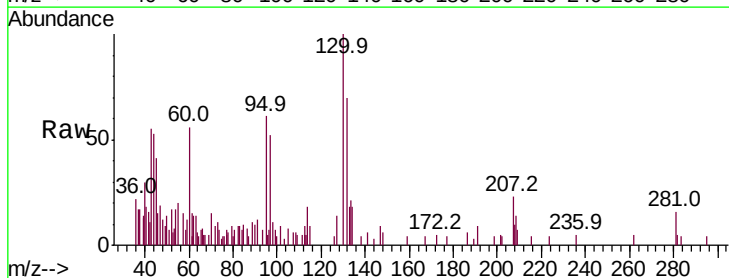
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	13.9	10.5	15.7

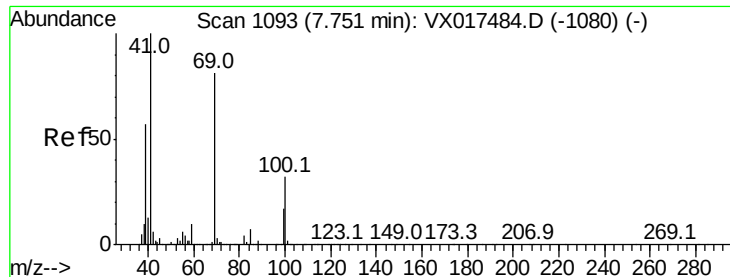


#44

Trichloroethene
 Concen: 0.413 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017775.D
 Acq: 04 Aug 2020 17:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	60.9	0.0	189.0





#48

Methyl methacrylate

Concen: 32.472 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.10 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

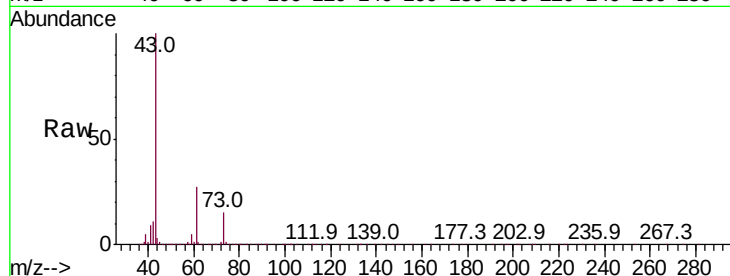
Tot Ion: 41 Resp: 248337

Ion Ratio Lower Upper

41 100

69 0.3 63.1 94.7#

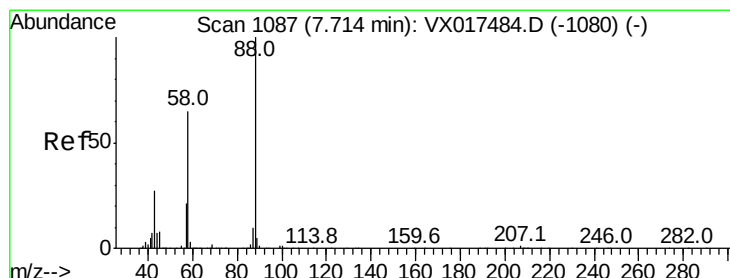
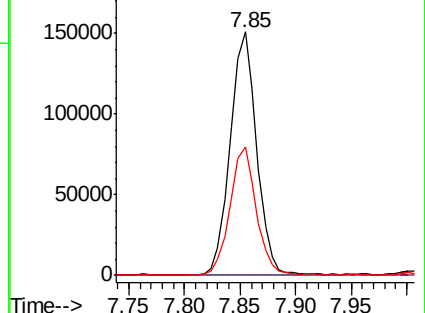
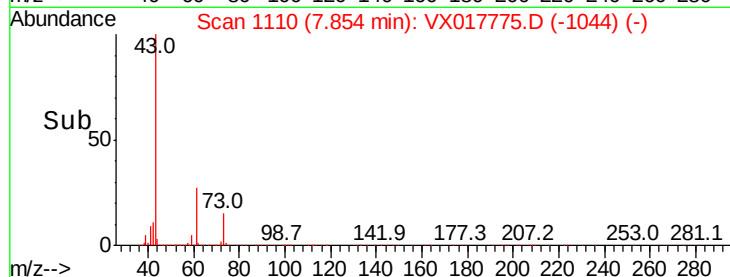
39 52.0 45.1 67.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 3.601 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

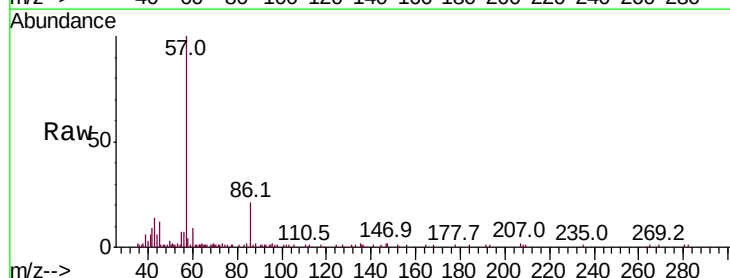
Tgt Ion: 88 Resp: 528

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

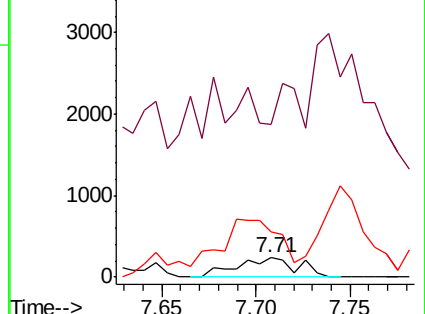
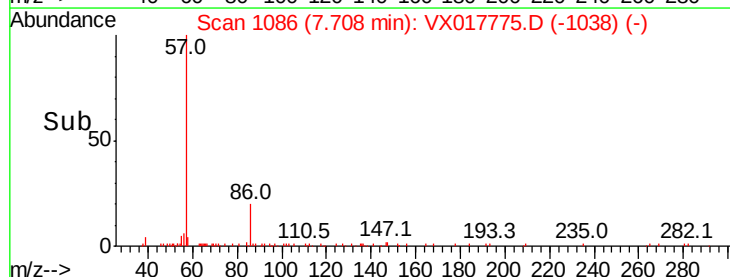
58 300.6 58.3 87.5#

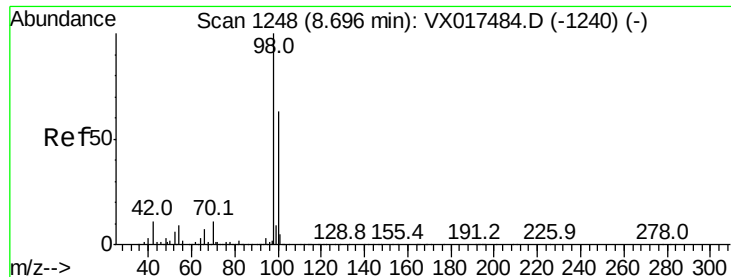


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

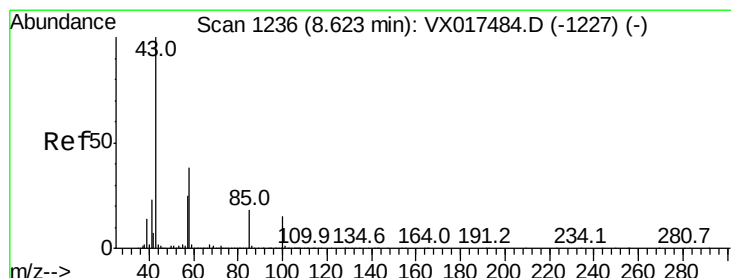
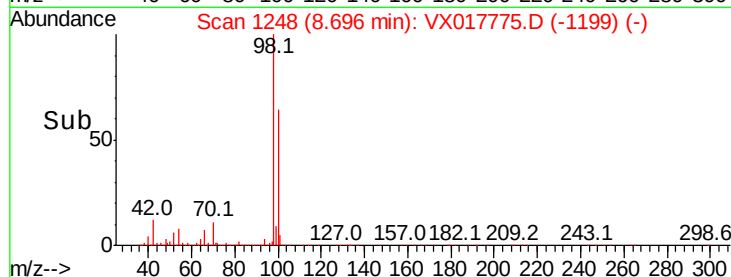
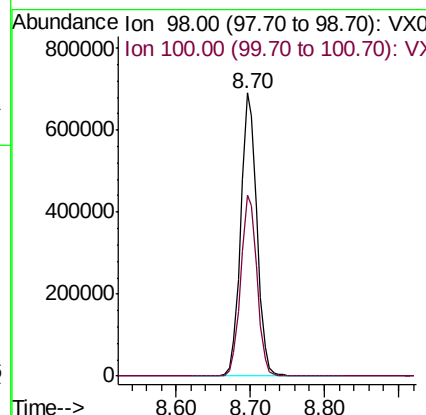
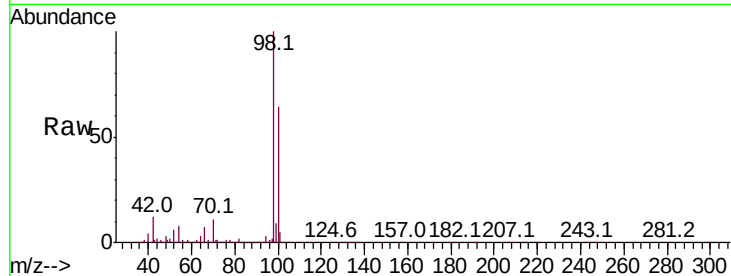




#50
Toluene-d8
Concen: 48.810 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

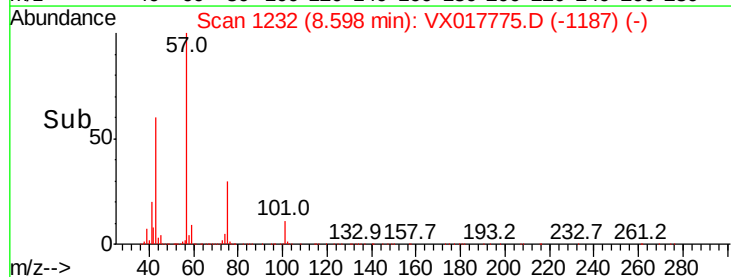
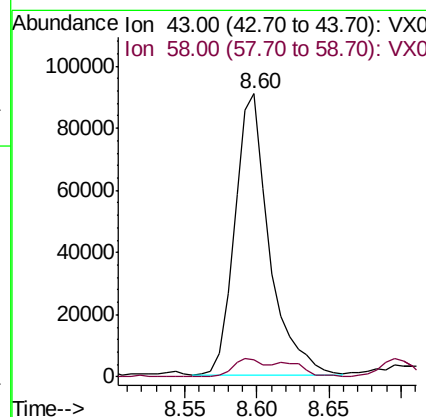
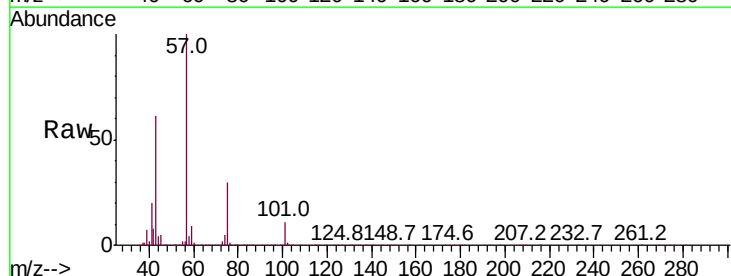
Instrument :
MSVOA_X
ClientSampleId :

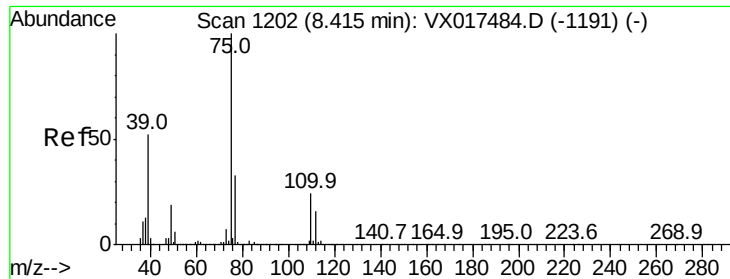
Tot Ion: 98 Resp: 1049371
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 16.342 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

Tgt Ion: 43 Resp: 150433
Ion Ratio Lower Upper
43 100
58 6.2 31.0 46.4#





#54

cis-1,3-Dichloropropene

Concen: 5.964 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

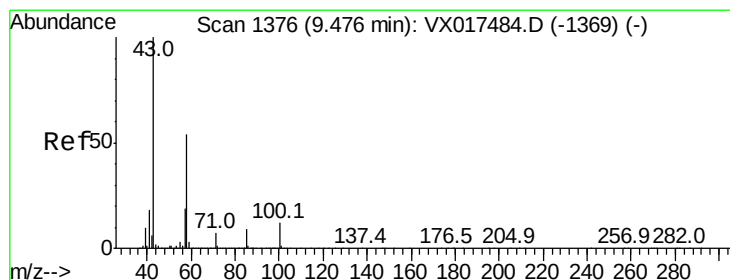
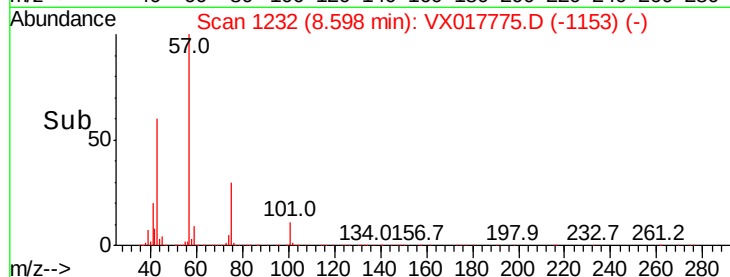
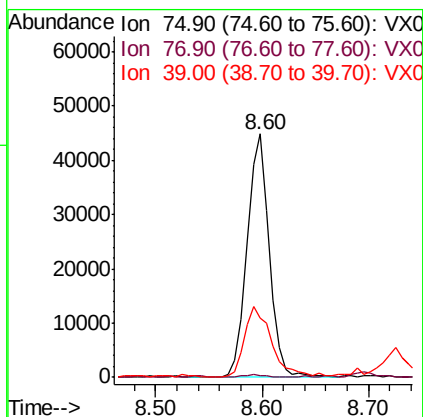
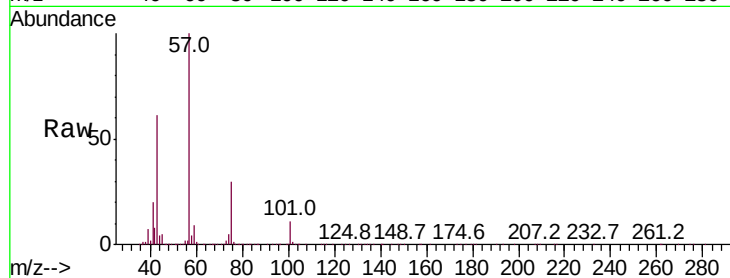
Tot Ion: 75 Resp: 65770

Ion Ratio Lower Upper

75 100

77 0.3 25.5 38.3#

39 23.9 41.8 62.8#



#59

2-Hexanone

Concen: 22.737 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX017775.D

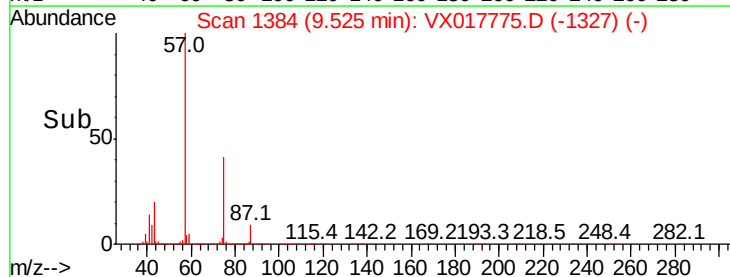
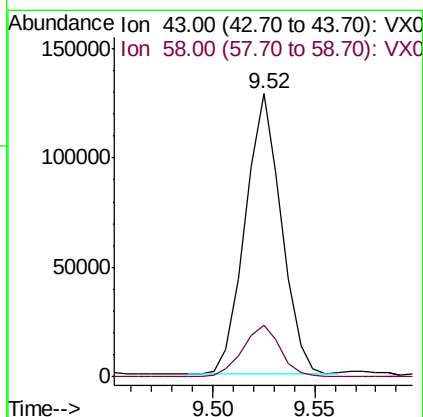
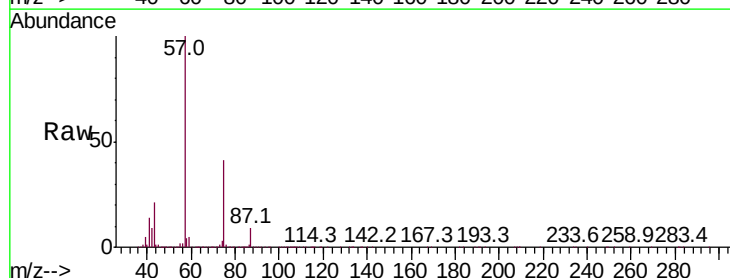
Acq: 04 Aug 2020 17:19

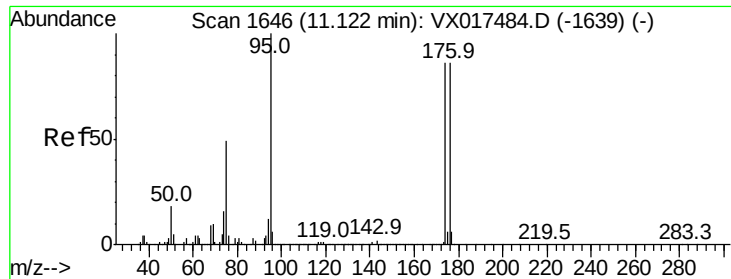
Tgt Ion: 43 Resp: 157582

Ion Ratio Lower Upper

43 100

58 18.9 26.6 79.8#

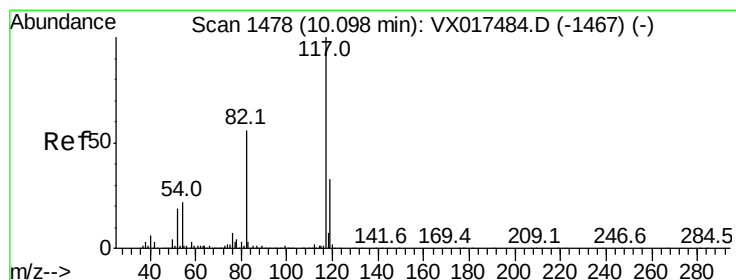
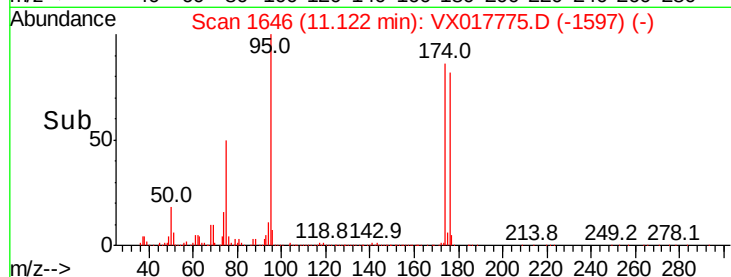
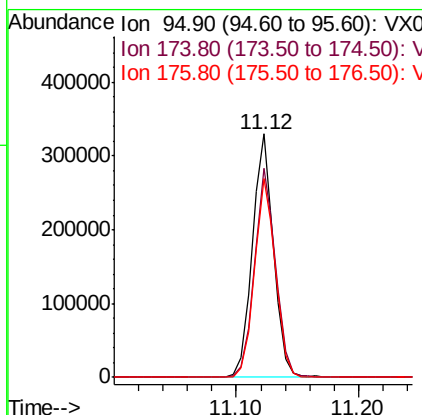
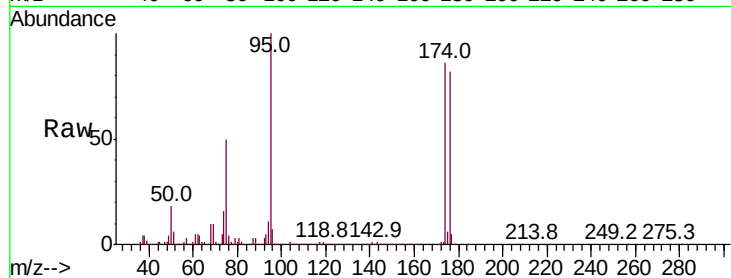




#62
4-Bromofluorobenzene
Concen: 46.251 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

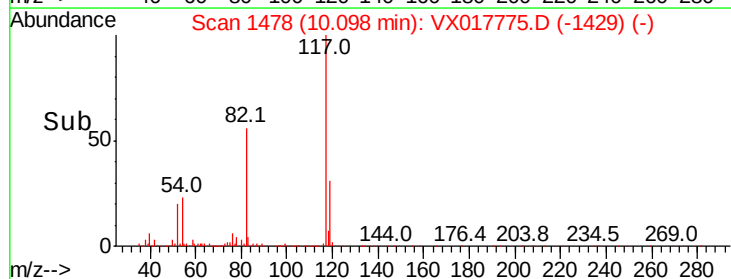
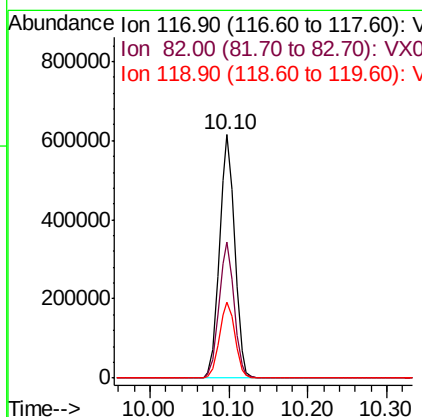
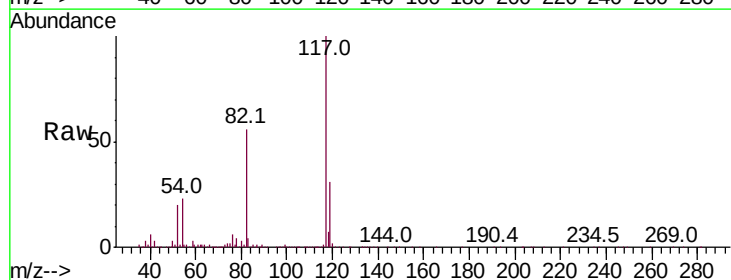
Instrument :
MSVOA_X
ClientSampleId :

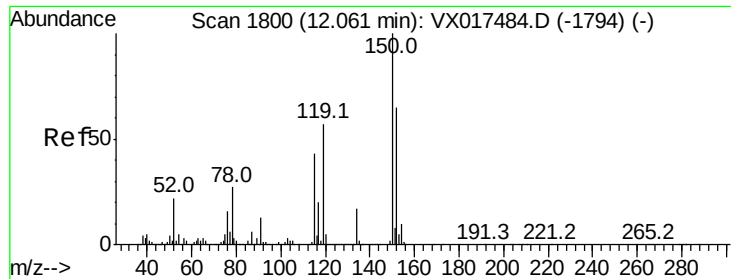
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	169.0
176	81.5	0.0	161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017775.D
Acq: 04 Aug 2020 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.0	66.0
119	31.1	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: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

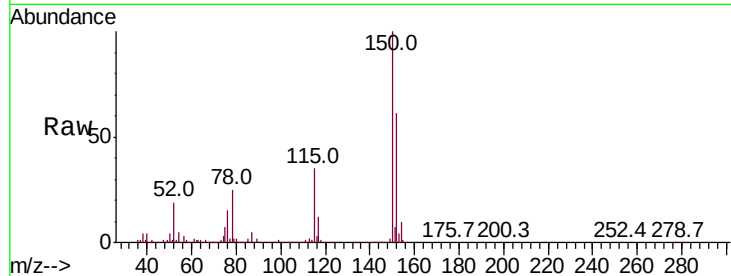
Tot Ion:152 Resp: 408102

Ion Ratio Lower Upper

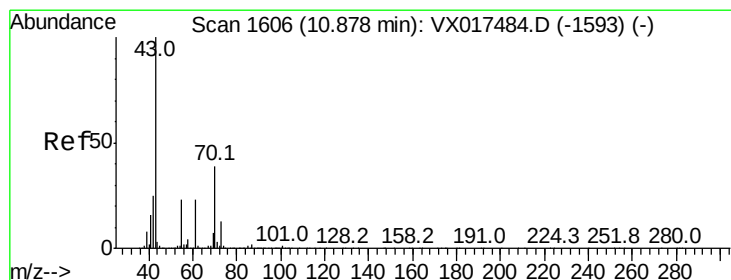
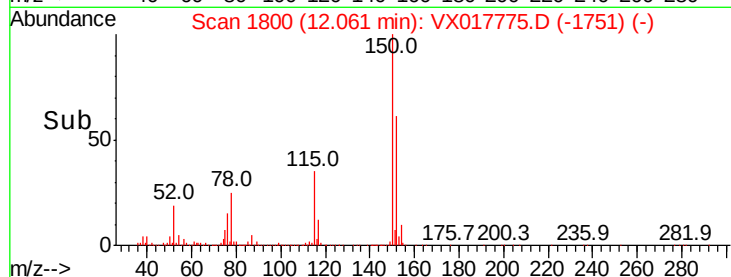
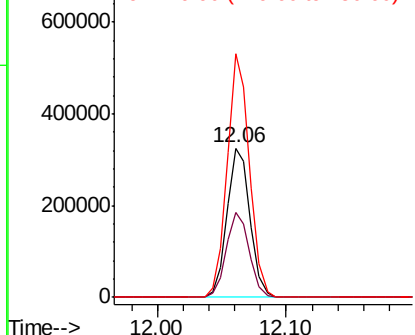
152 100

115 56.8 65.5 196.6#

150 158.3 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



#74

N-ethyl acetate

Concen: 0.624 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Tgt Ion: 43 Resp: 7760

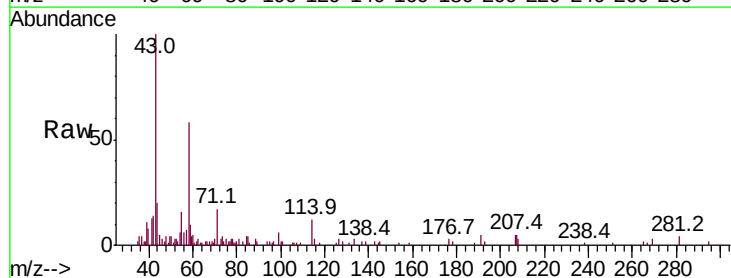
Ion Ratio Lower Upper

43 100

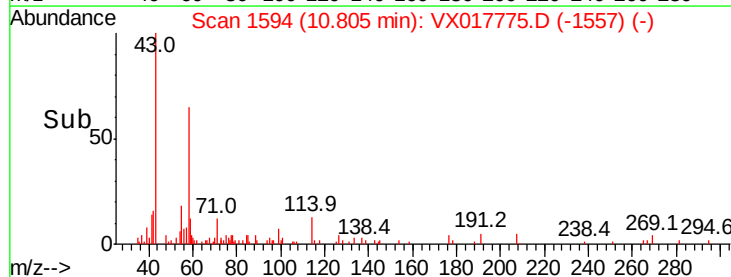
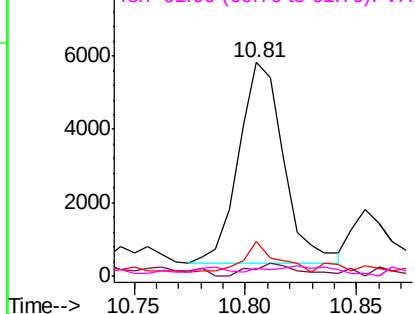
70 5.8 32.3 48.5#

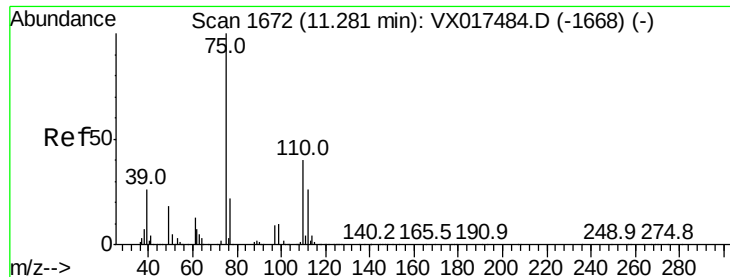
55 12.0 18.4 27.6#

61 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.081 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

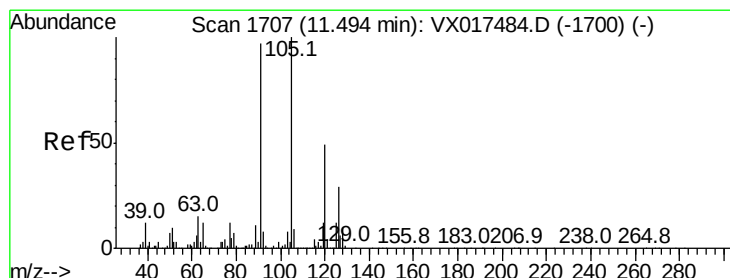
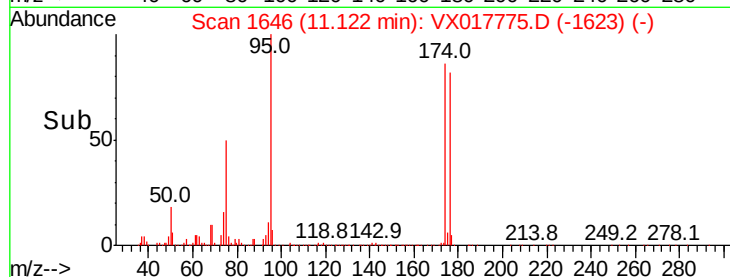
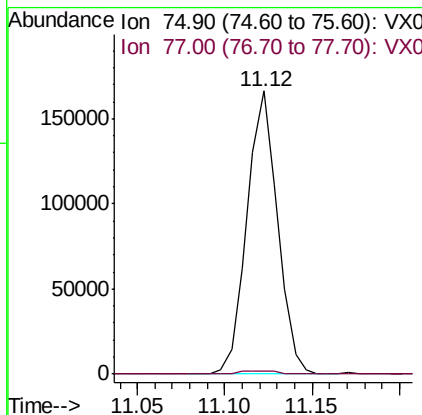
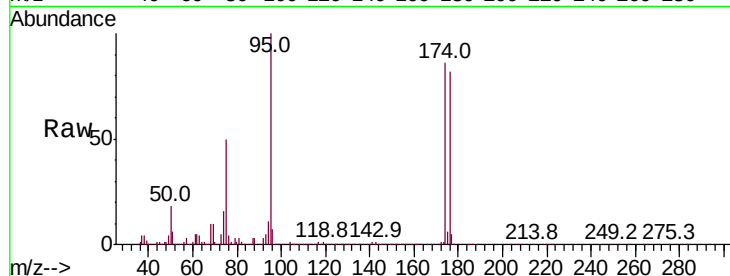
ClientSampleId :

Tot Ion: 75 Resp: 202160

Ion Ratio Lower Upper

75 100

77 1.5 21.8 65.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.278 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017775.D

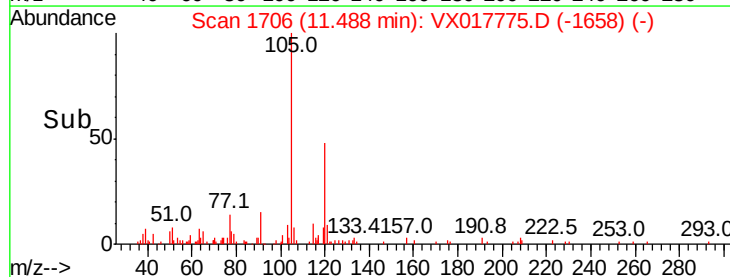
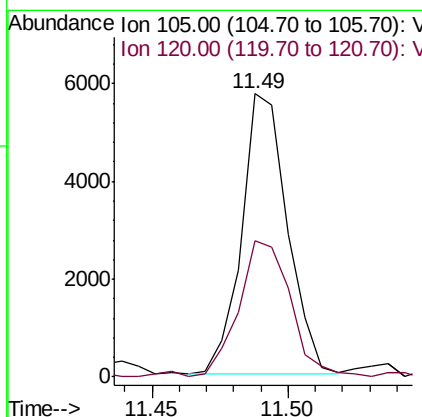
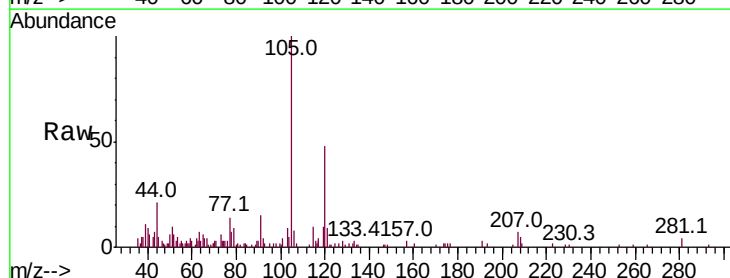
Acq: 04 Aug 2020 17:19

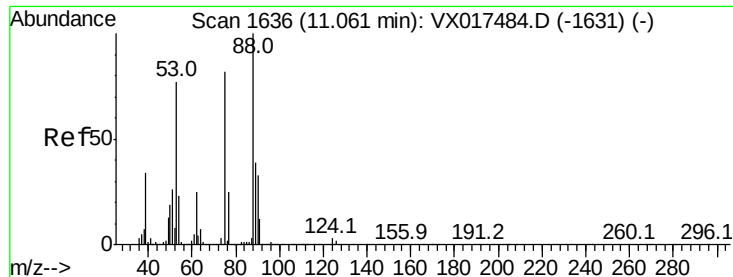
Tgt Ion: 105 Resp: 6648

Ion Ratio Lower Upper

105 100

120 56.0 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 60.680 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

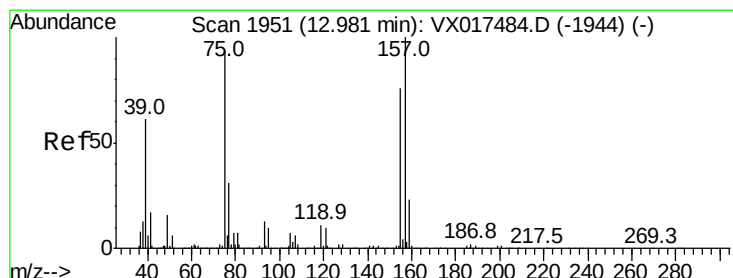
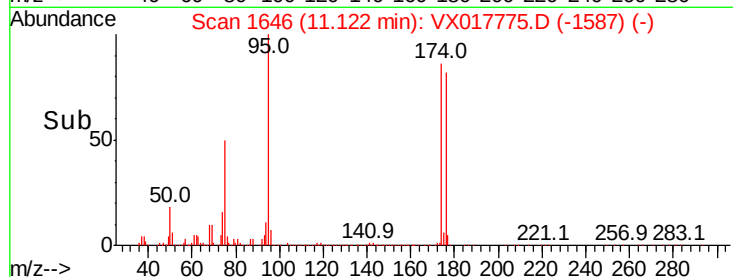
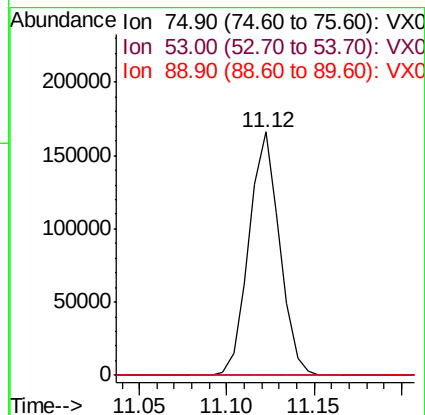
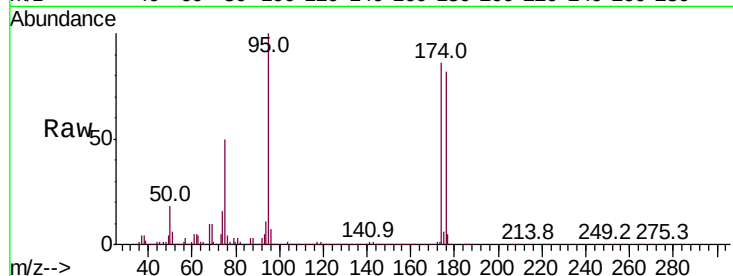
Tot Ion: 75 Resp: 202160

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

89 0.1 37.8 56.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.655 ug/l

RT: 12.97 min Scan# 1949

Delta R.T. -0.01 min

Lab File: VX017775.D

Acq: 04 Aug 2020 17:19

Tgt Ion: 75 Resp: 203

Ion Ratio Lower Upper

75 100

155 26.6 42.3 126.8#

157 0.0 54.3 162.9#

