

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080420\
 Data File : VX017782.D
 Acq On : 04 Aug 2020 20:00
 Operator : JC/SP
 Sample : L3548-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 05 01:52:58 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	572559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	847969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	854421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	399674	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	378294	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		
35) Dibromofluoromethane	5.47	113	298403	52.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.24%		
50) Toluene-d8	8.70	98	1058281	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.46%		
62) 4-Bromofluorobenzene	11.12	95	415675	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.54%		

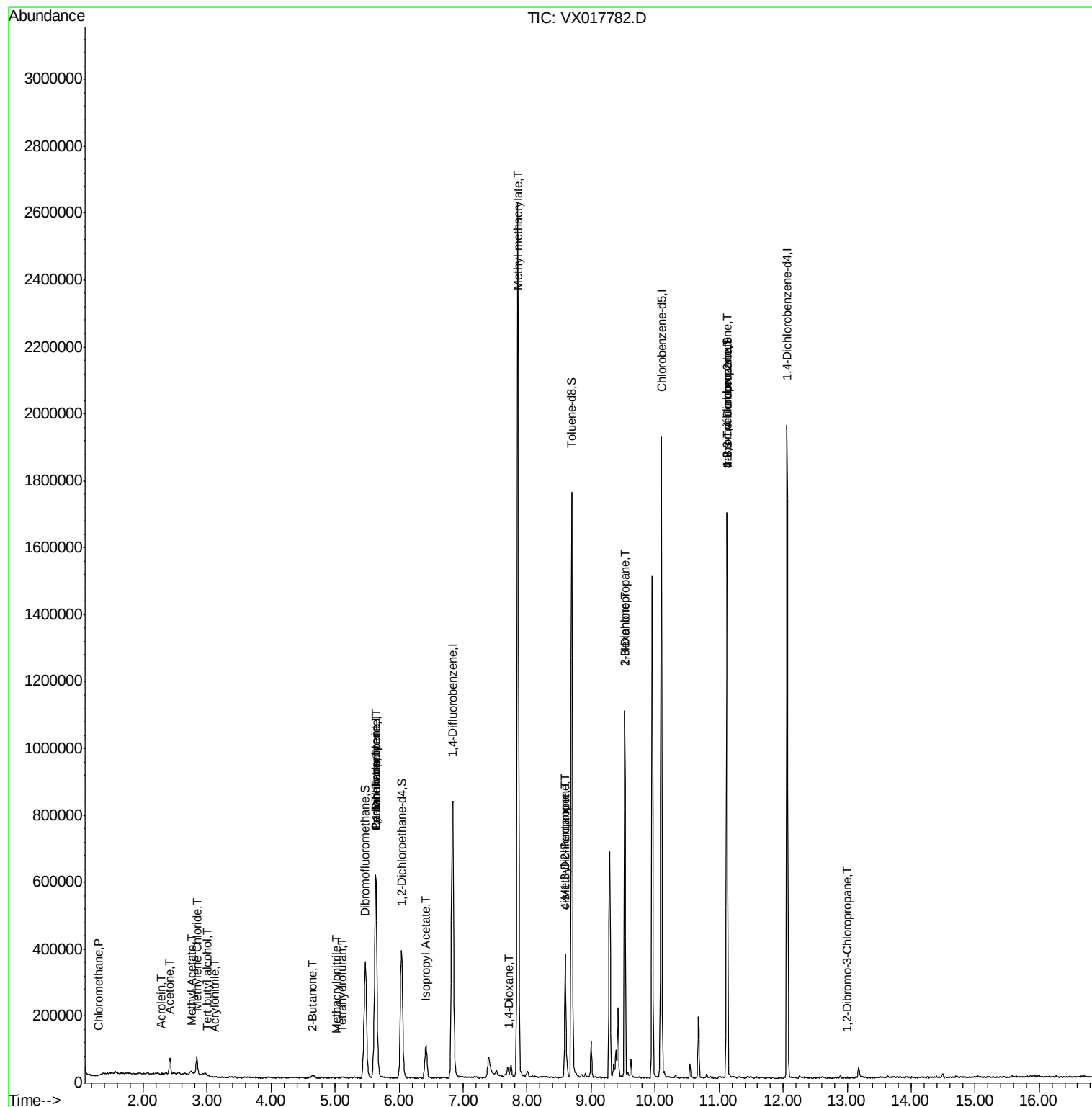
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	432	Below Cal	#	1
3) Chloromethane	1.29	50	532	0.441	ug/l #	69
5) Bromomethane	1.62	94	569	Below Cal		90
6) Chloroethane	1.71	64	373	Below Cal		90
8) Diethyl Ether	2.18	74	1433	Below Cal		68
11) Tert butyl alcohol	3.00	59	1946	1.255	ug/l #	72
13) Acrolein	2.27	56	368	4.454	ug/l #	14
15) Acrylonitrile	3.12	53	1071	0.320	ug/l #	36
16) Acetone	2.42	43	51967	16.054	ug/l	93
18) Methyl Acetate	2.75	43	9898	1.298	ug/l	98
20) Methylene Chloride	2.84	84	24469	2.801	ug/l	98
25) 2-Butanone	4.65	43	11517	2.504	ug/l	93
29) Tetrahydrofuran	5.11	42	1833	0.643	ug/l #	61
31) Cyclohexane	5.63	56	13509	1.489	ug/l #	18
36) 1,1-Dichloropropene	5.63	75	40879	5.026	ug/l #	52
38) Carbon Tetrachloride	5.63	117	60674	6.143	ug/l #	19
41) Methacrylonitrile	5.02	41	1083	0.212	ug/l #	61
43) Isopropyl Acetate	6.42	43	136369	9.288	ug/l	100
48) Methyl methacrylate	7.85	41	220157	30.251	ug/l #	46
49) 1,4-Dioxane	7.72	88	289	2.071	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	136343	15.564	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	53569	5.104	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	9104	0.888	ug/l #	45
59) 2-Hexanone	9.52	43	125672	19.054	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	216091	26.284	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	216091	66.229	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	70	2.604	ug/l #	7

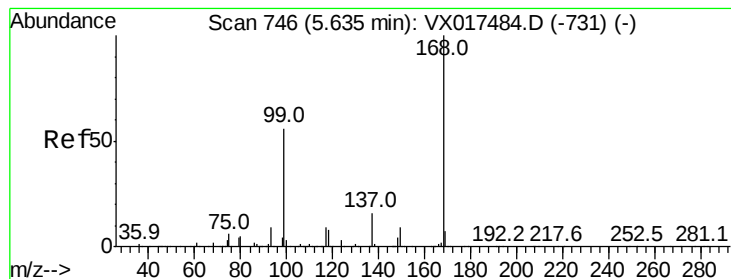
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080420\
Data File : VX017782.D
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Quant Time: Aug 05 01:52:58 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: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

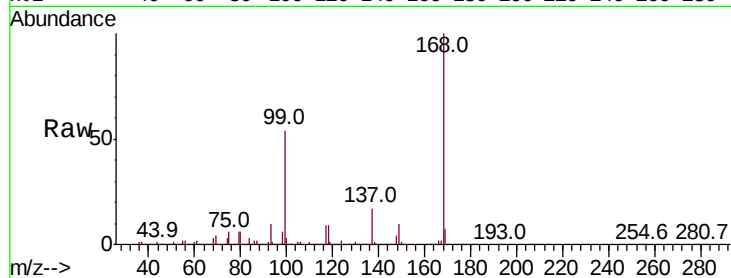
ClientSampleId :

Tot Ion:168 Resp: 572559

Ion Ratio Lower Upper

168 100

99 53.7 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

200000

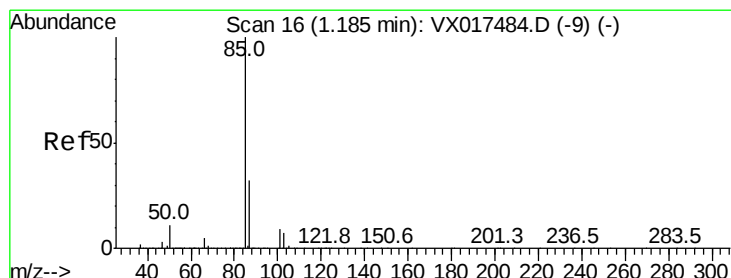
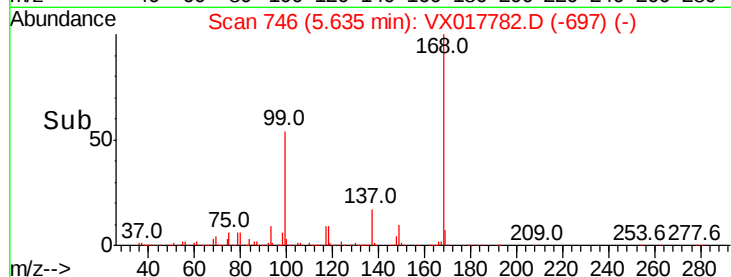
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017782.D

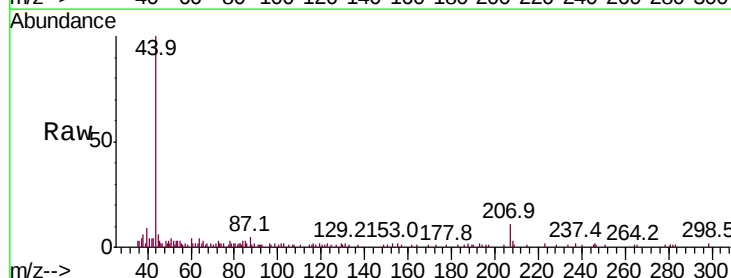
Acq: 04 Aug 2020 20:00

Tgt Ion: 85 Resp: 432

Ion Ratio Lower Upper

85 100

87 100.3 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

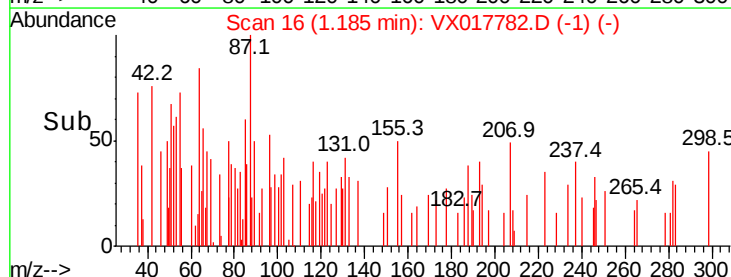
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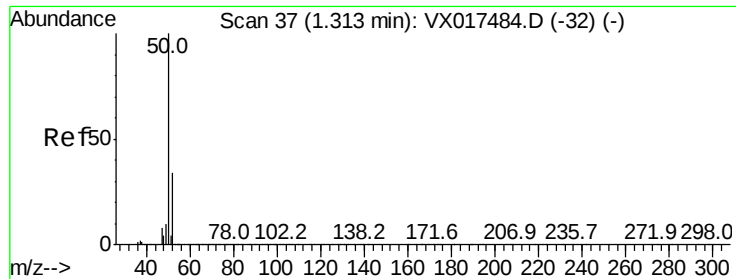
200

100

0

Time-->

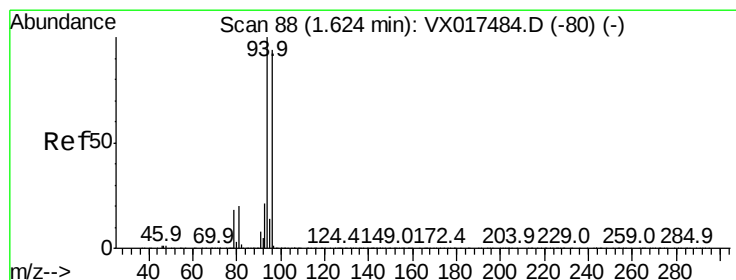
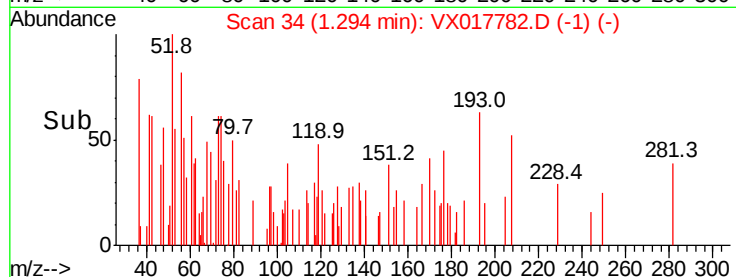
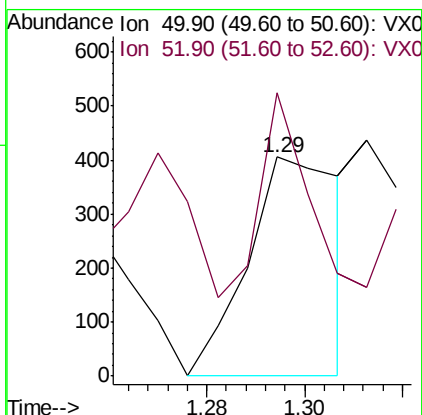
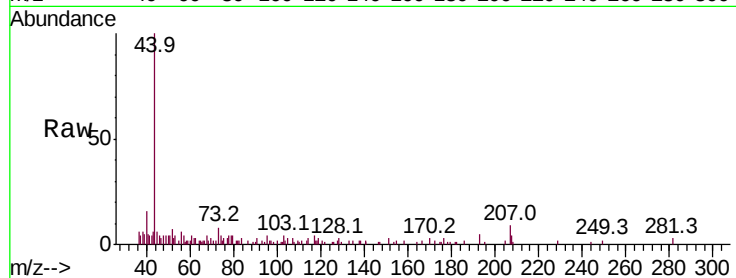




#3
Chloromethane
Concen: 0.441 ug/l
RT: 1.29 min Scan# 34
Delta R.T. -0.02 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

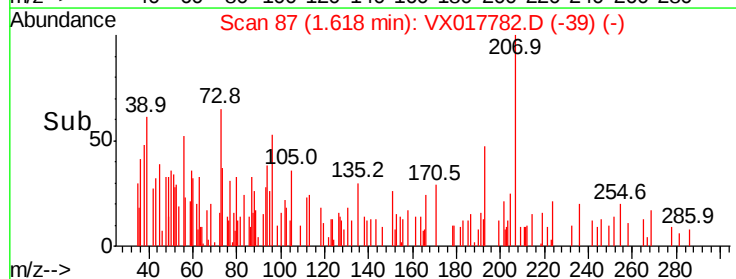
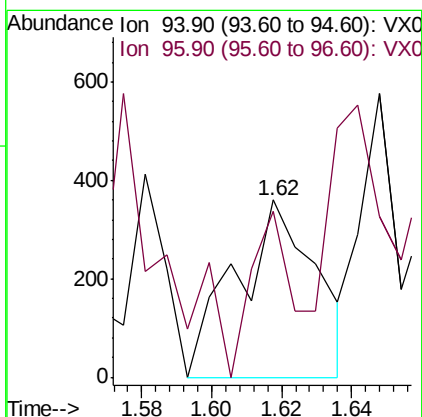
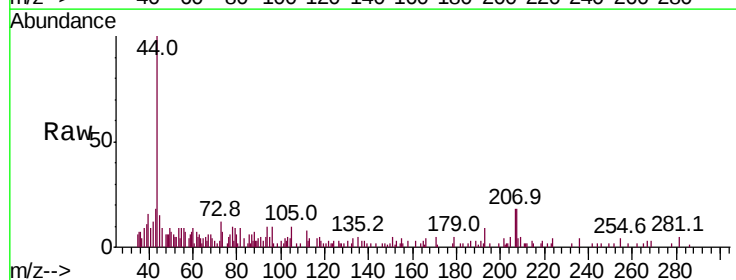
Instrument :
MSVOA_X
ClientSampled :

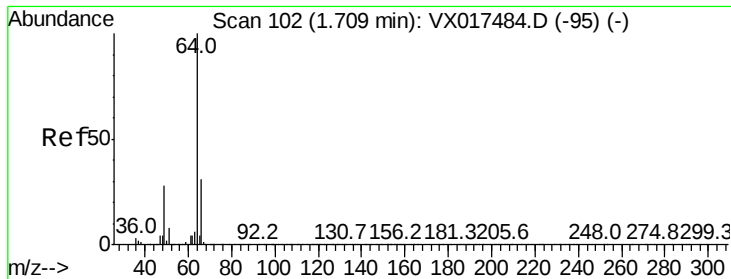
Tot Ion: 50 Resp: 532
Ion Ratio Lower Upper
50 100
52 49.8 25.9 38.9#



#5
Bromomethane
Concen: Below Cal
RT: 1.62 min Scan# 87
Delta R.T. -0.01 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion: 94 Resp: 569
Ion Ratio Lower Upper
94 100
96 101.7 74.1 111.1





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

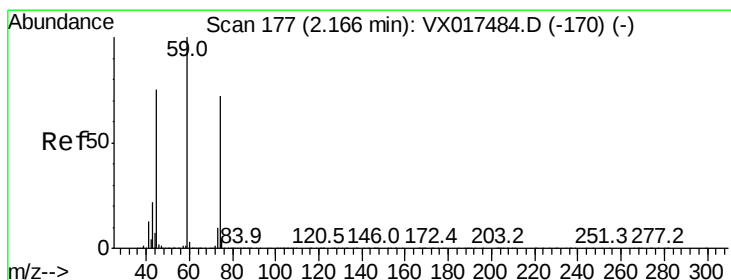
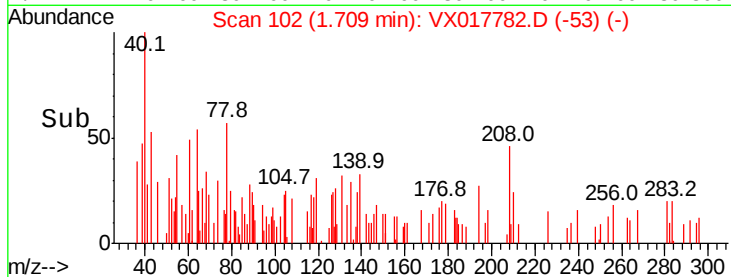
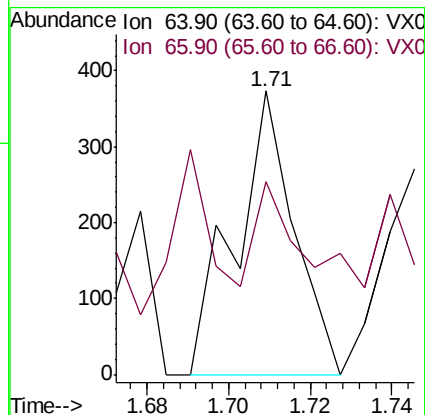
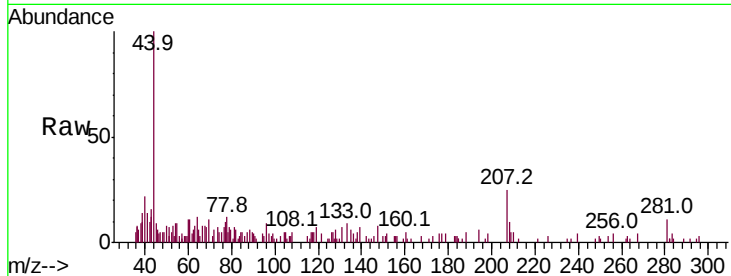
ClientSampleId :

Tot Ion: 64 Resp: 373

Ion Ratio Lower Upper

64 100

66 25.5 24.9 37.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX017782.D

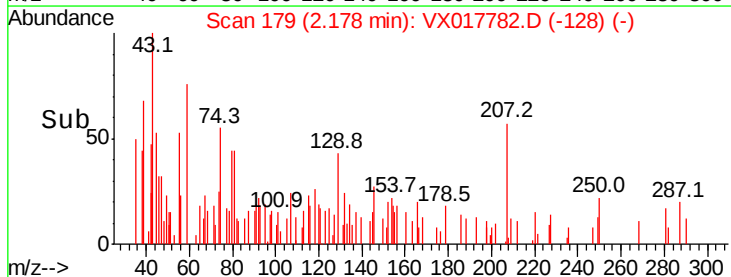
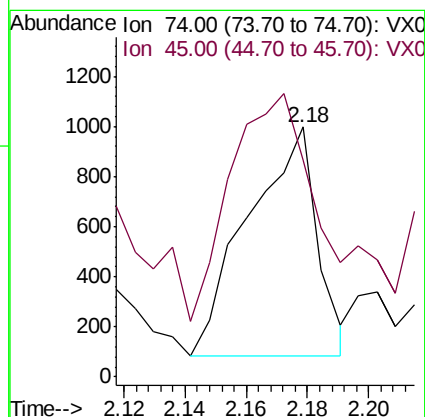
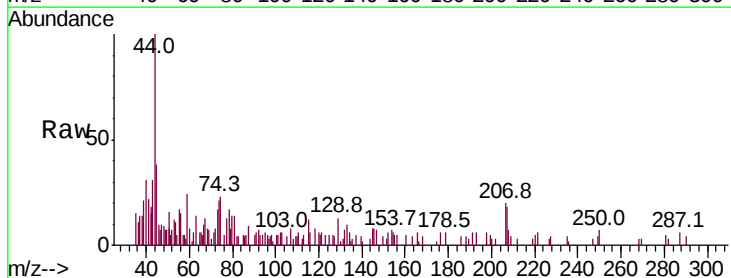
Acq: 04 Aug 2020 20:00

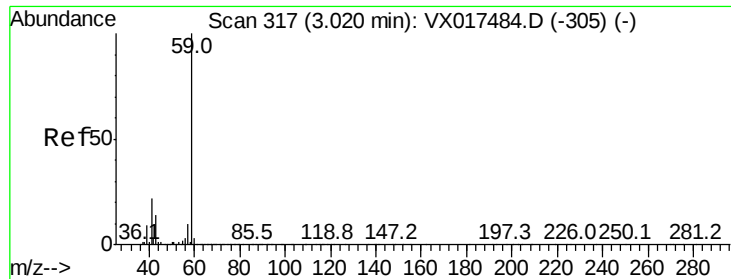
Tgt Ion: 74 Resp: 1433

Ion Ratio Lower Upper

74 100

45 134.2 50.8 152.5



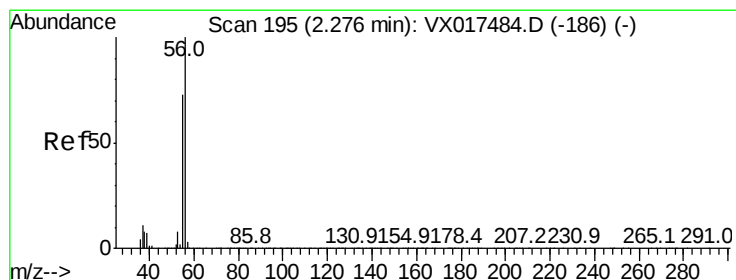
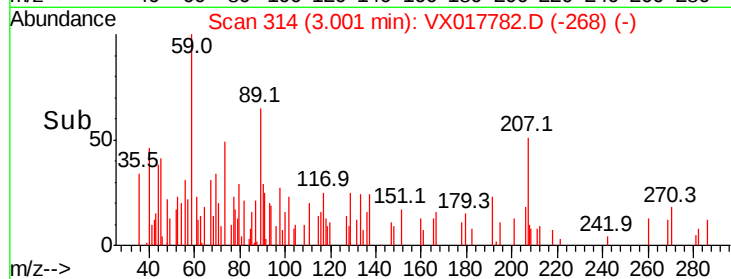
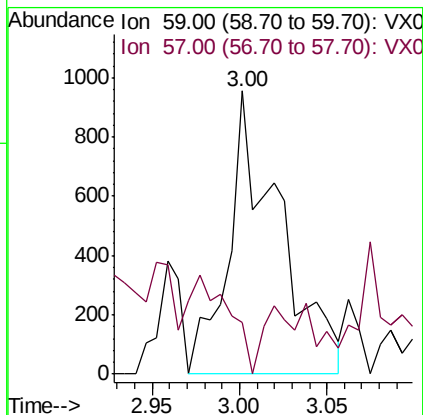
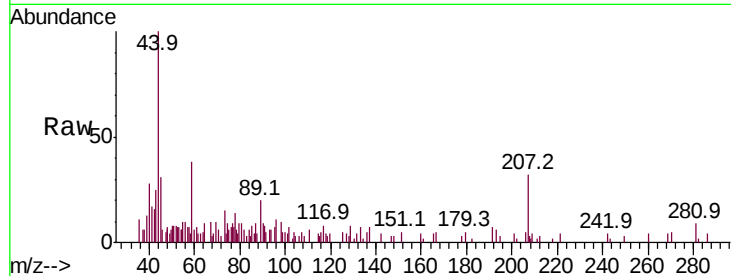


#11

Tert butyl alcohol
 Concen: 1.255 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX017782.D
 Acq: 04 Aug 2020 20:00

Instrument :
 MSVOA_X
 ClientSampled :

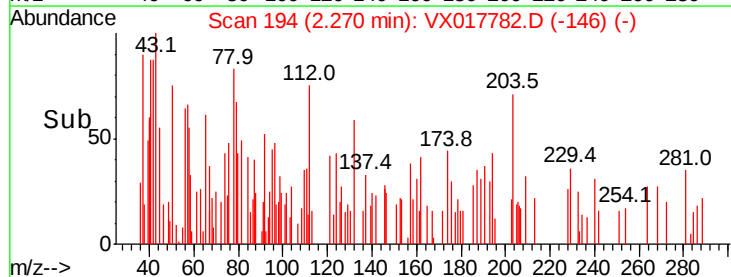
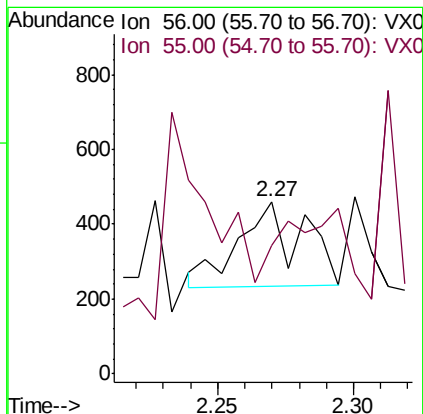
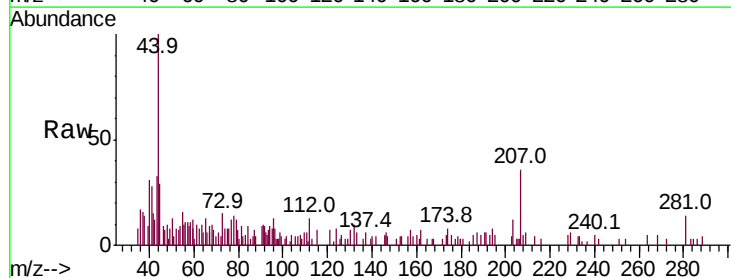
Tot Ion: 59 Resp: 1946
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

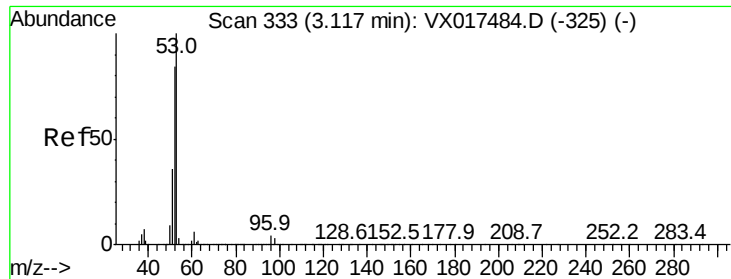


#13

Acrolein
 Concen: 4.454 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX017782.D
 Acq: 04 Aug 2020 20:00

Tgt Ion: 56 Resp: 368
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.2#

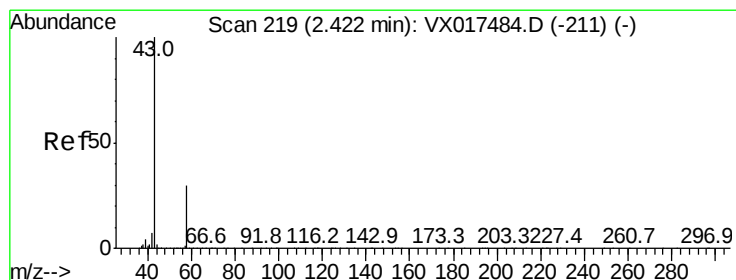
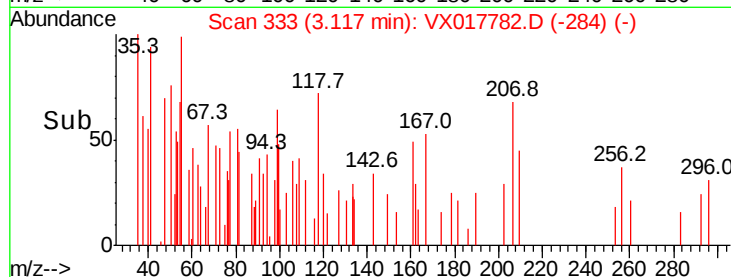
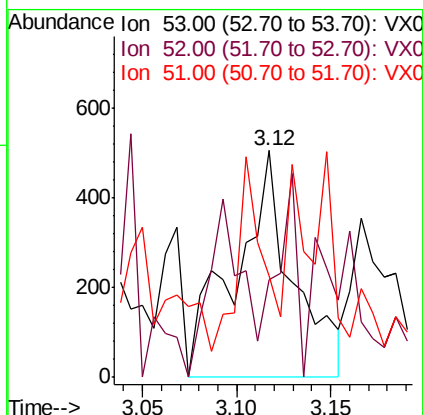
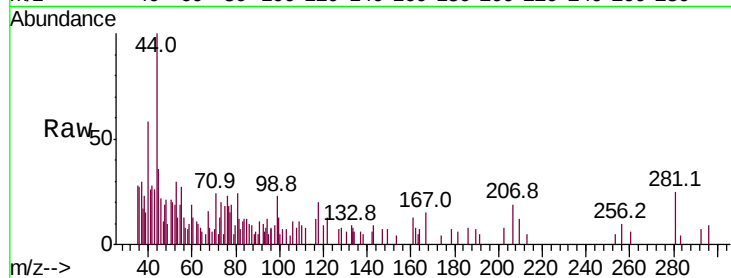




#15
 Acrylonitrile
 Concen: 0.320 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX017782.D
 Acq: 04 Aug 2020 20:00

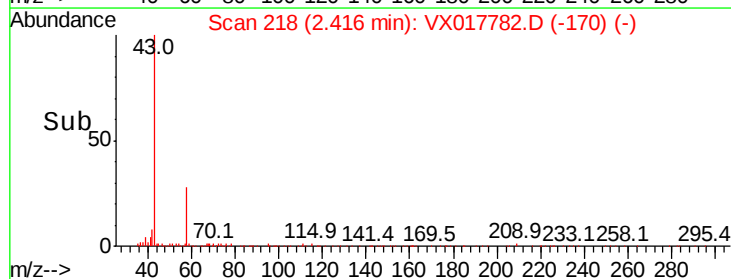
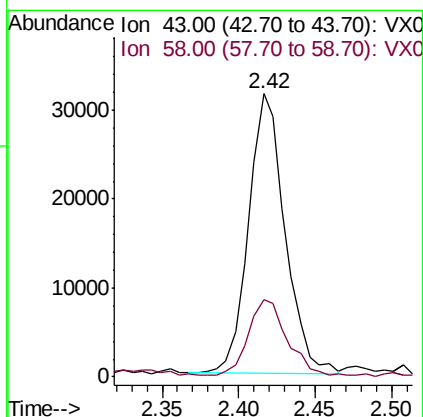
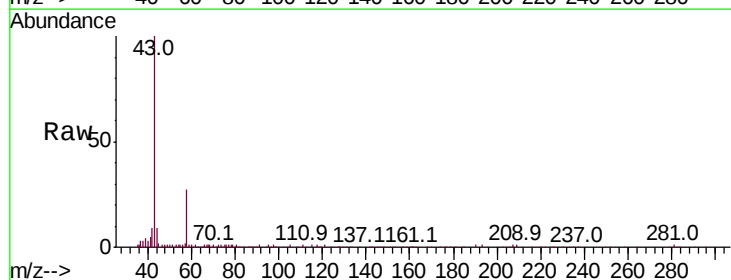
Instrument :
 MSVOA_X
 ClientSampleID :

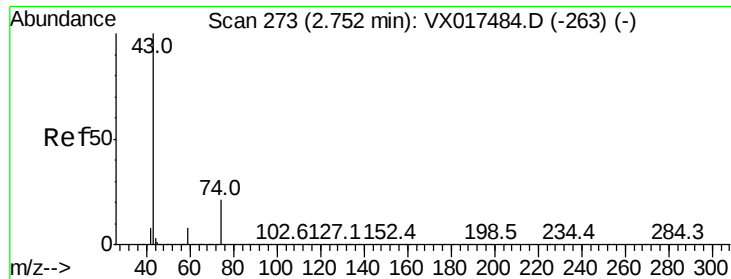
Tot Ion: 53 Resp: 1071
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.6 99.8#
 51 37.2 29.4 44.2



#16
 Acetone
 Concen: 16.054 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017782.D
 Acq: 04 Aug 2020 20:00

Tgt Ion: 43 Resp: 51967
 Ion Ratio Lower Upper
 43 100
 58 26.7 24.2 36.4

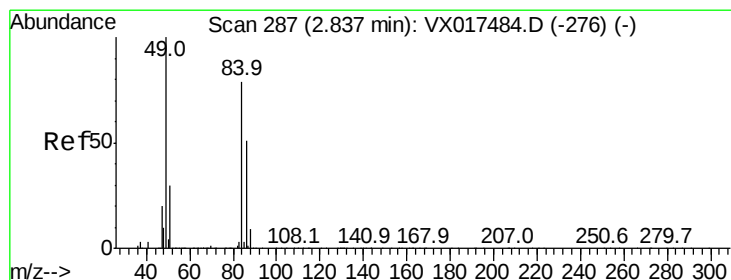
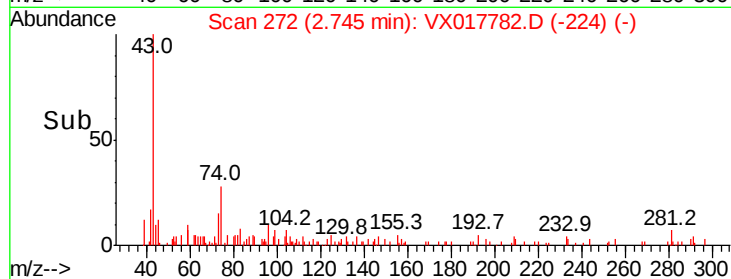
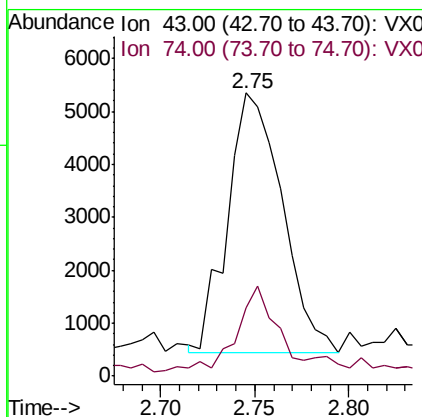
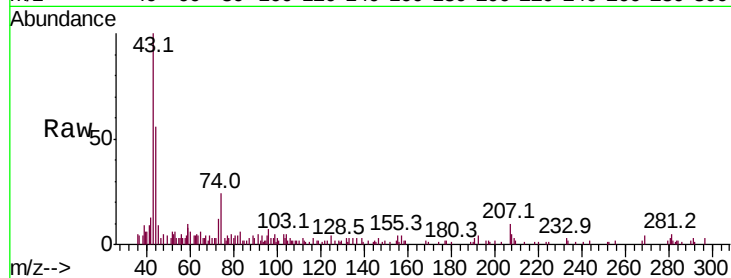




#18
Methvl Acetate
Concen: 1.298 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

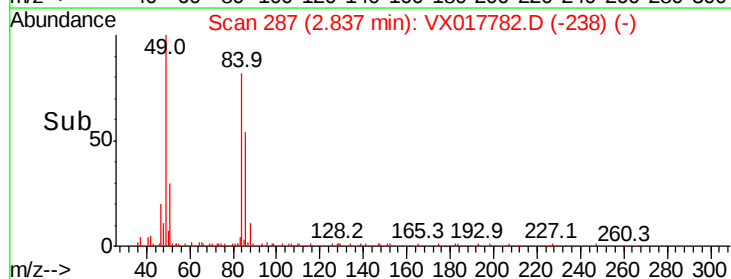
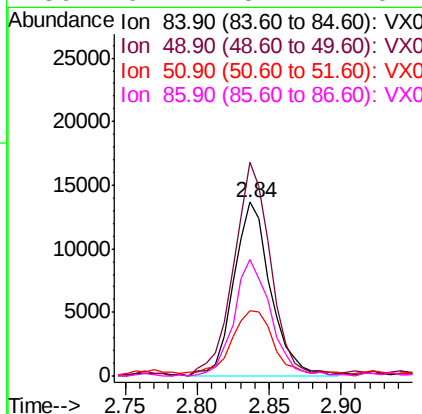
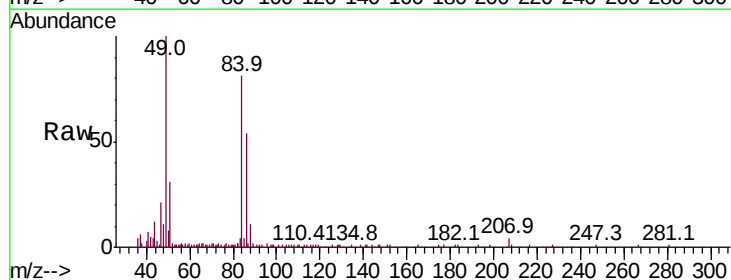
Instrument :
MSVOA_X
ClientSampleId :

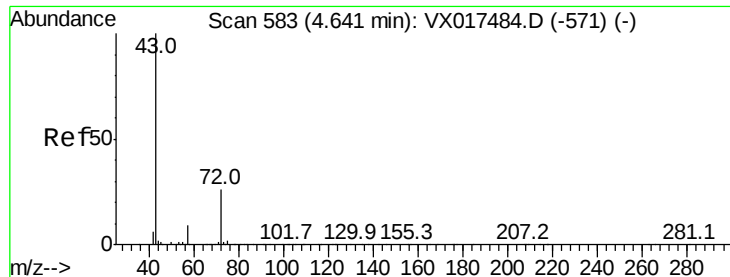
Tot Ion: 43 Resp: 9898
Ion Ratio Lower Upper
43 100
74 23.0 17.5 26.3



#20
Methylene Chloride
Concen: 2.801 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion: 84 Resp: 24469
Ion Ratio Lower Upper
84 100
49 124.0 100.3 150.5
51 36.1 30.5 45.7
86 67.4 51.1 76.7





#25

2-Butanone

Concen: 2.504 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

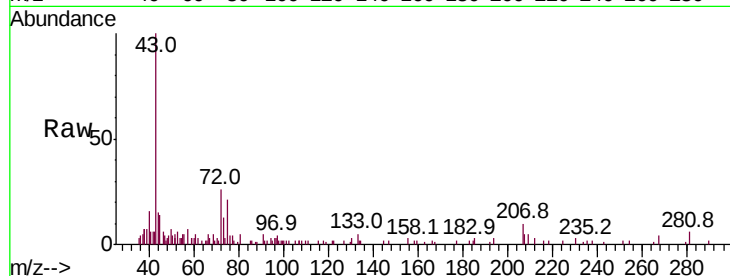
ClientSampleId :

Tot Ion: 43 Resp: 11517

Ion Ratio Lower Upper

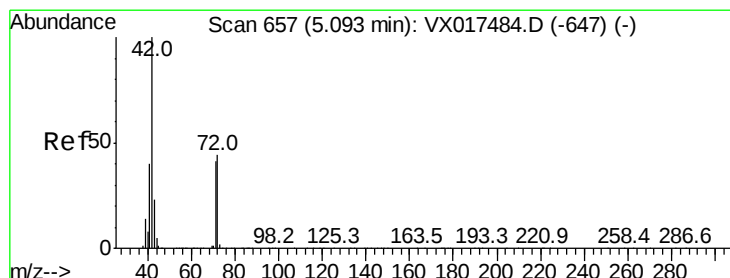
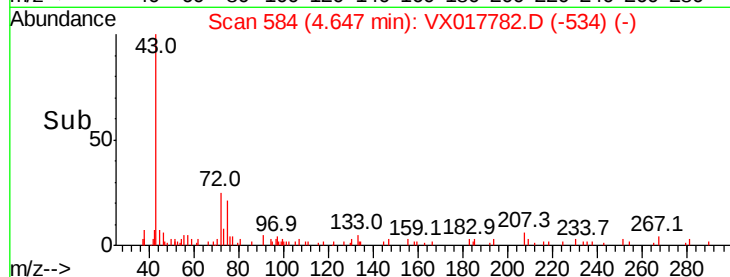
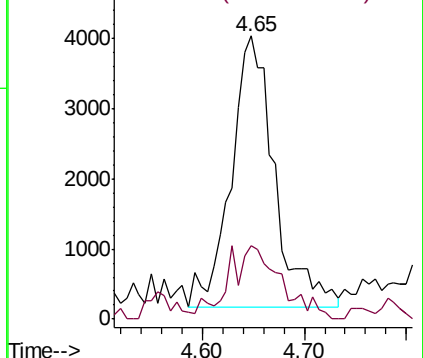
43 100

72 27.2 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.643 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

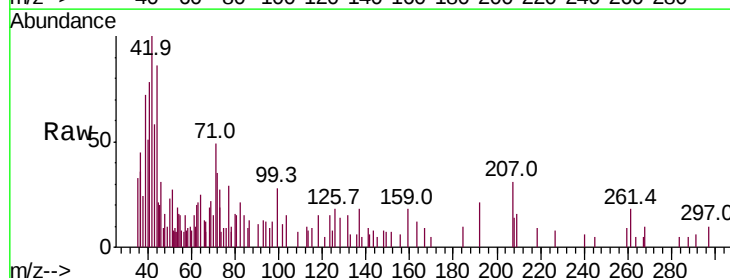
Tgt Ion: 42 Resp: 1833

Ion Ratio Lower Upper

42 100

72 51.3 35.5 53.3

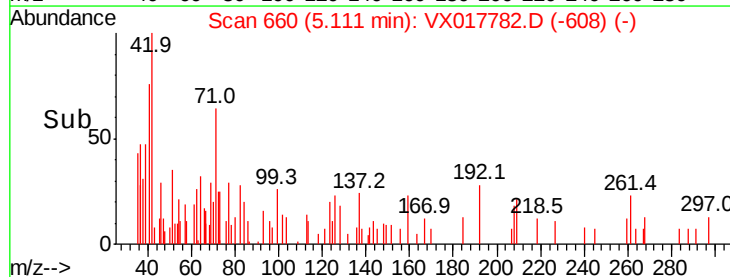
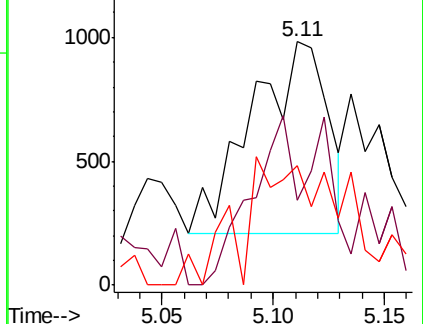
71 84.3 33.0 49.4#

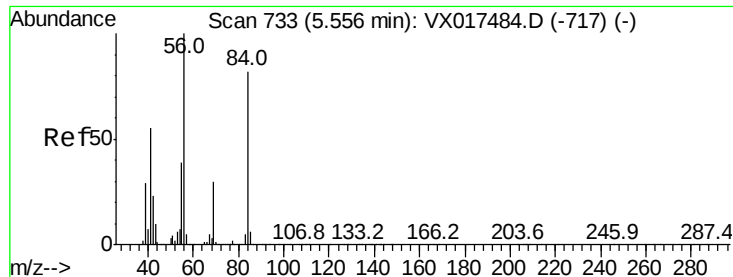


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

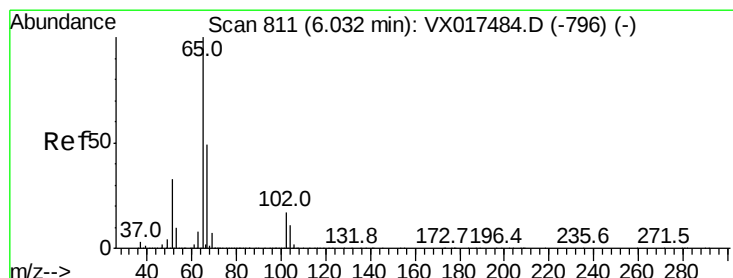
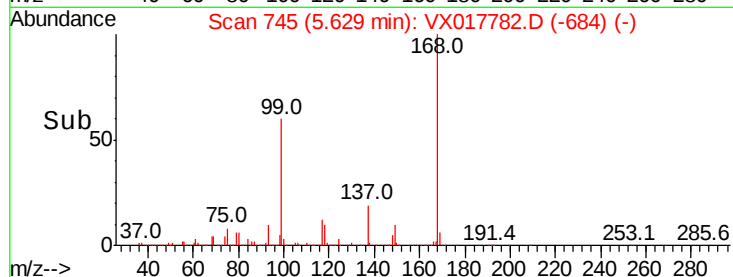
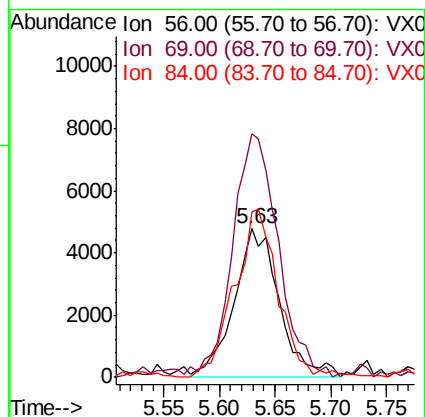
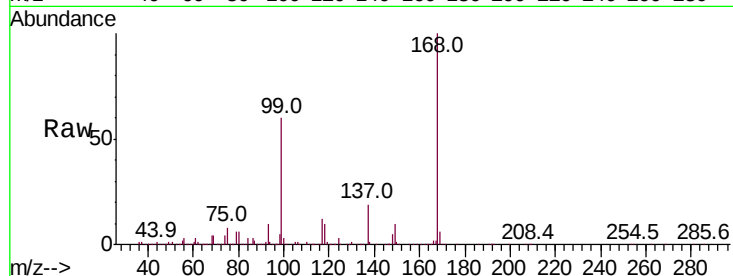




#31
Cyclohexane
Concen: 1.489 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

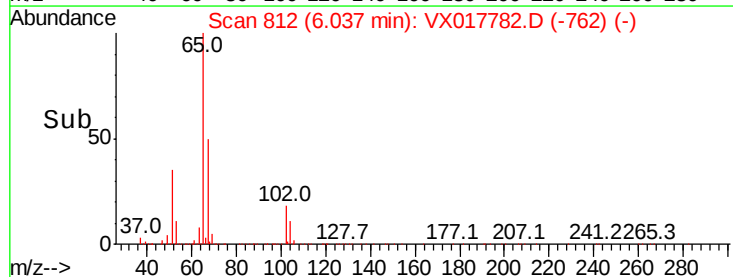
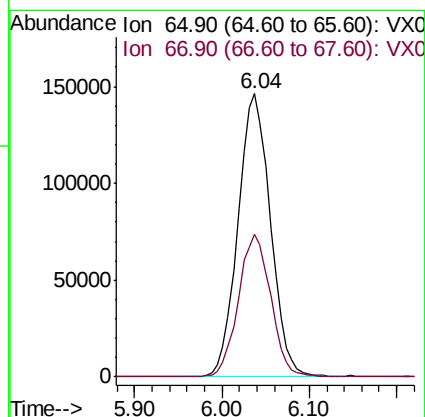
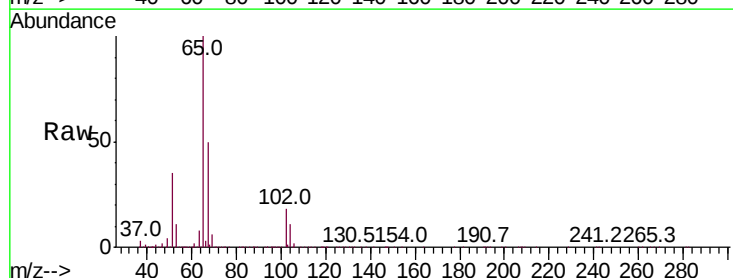
Instrument :
MSVOA_X
ClientSampleId :

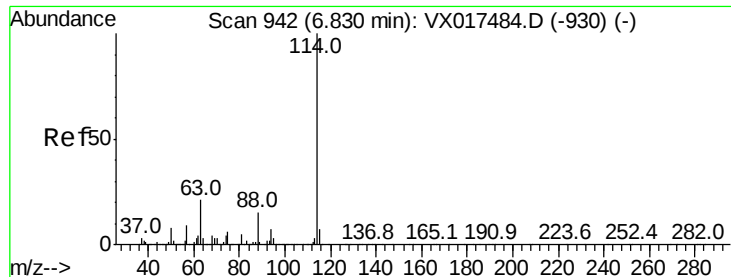
Tot Ion: 56 Resp: 13509
Ion Ratio Lower Upper
56 100
69 160.6 24.2 36.4#
84 111.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 51.435 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion: 65 Resp: 378294
Ion Ratio Lower Upper
65 100
67 50.3 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: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

ClientSampleId :

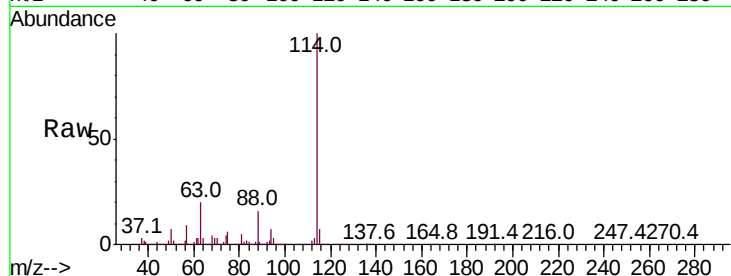
Tot Ion:114 Resp: 847969

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

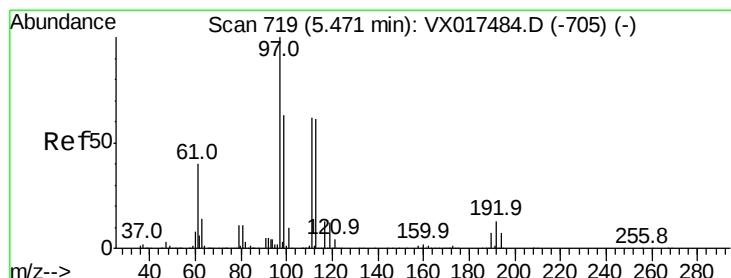
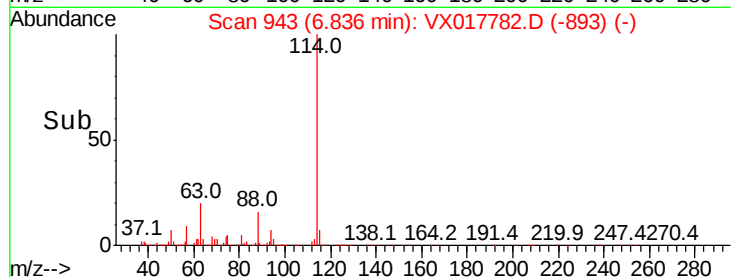
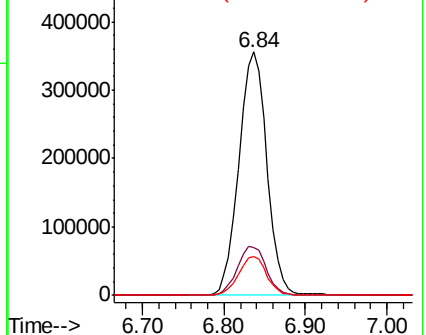
88 16.0 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.617 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

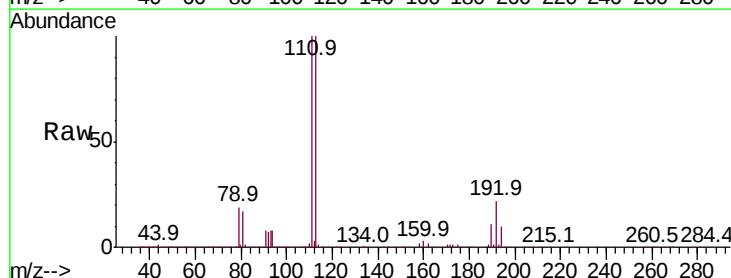
Tgt Ion:113 Resp: 298403

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

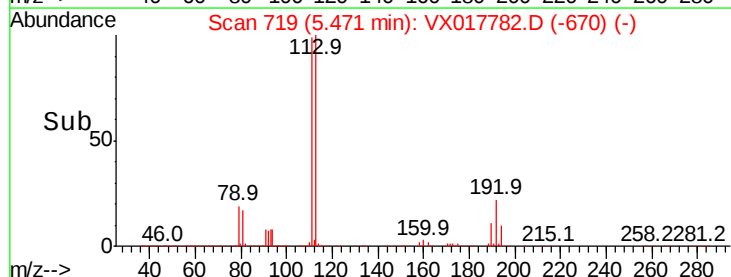
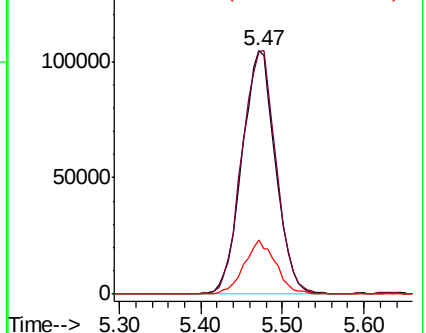
192 21.1 16.9 25.3

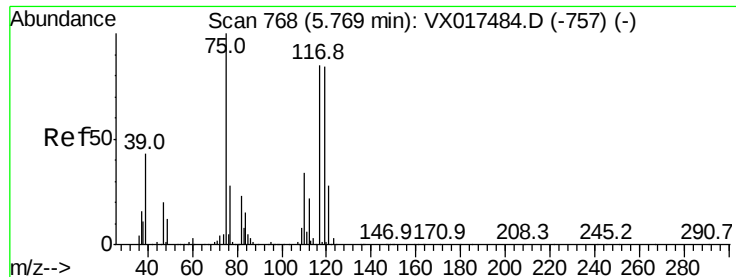


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

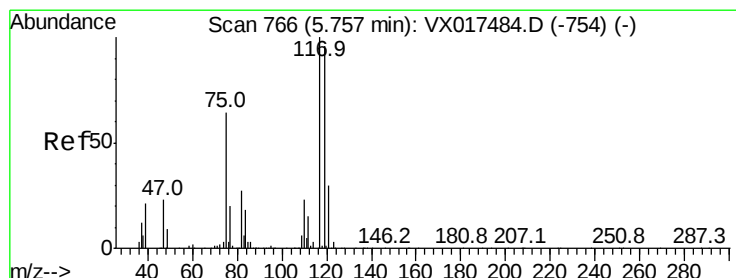
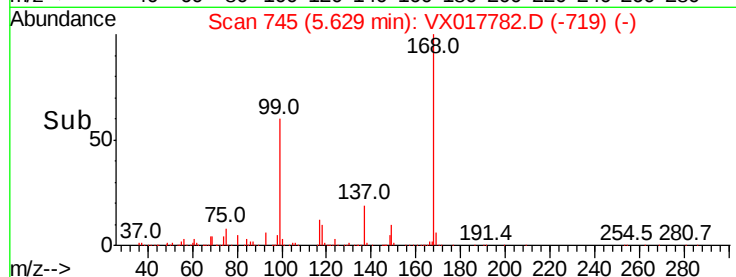
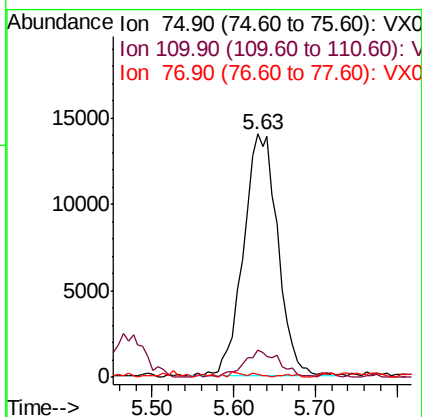
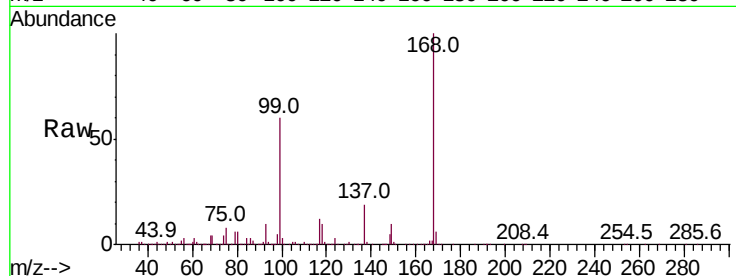




#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017782.D
 Acq: 04 Aug 2020 20:00

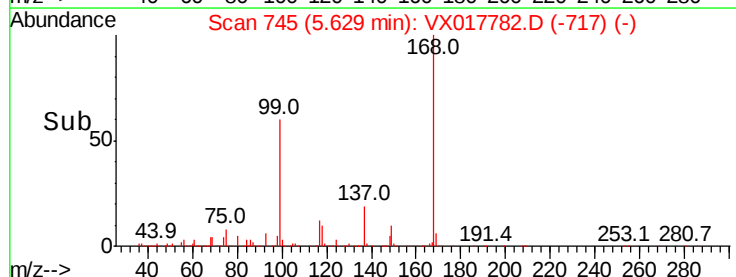
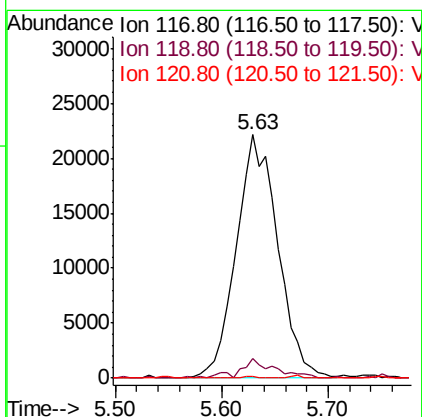
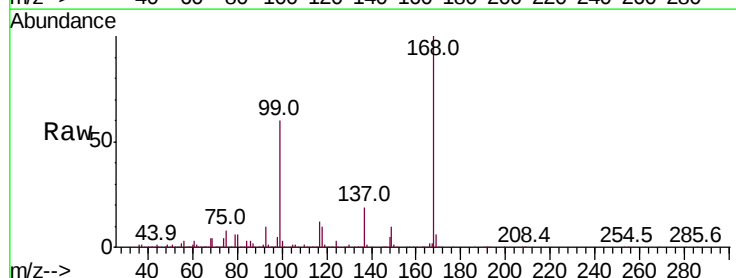
Instrument :
 MSVOA_X
 ClientSampleId :

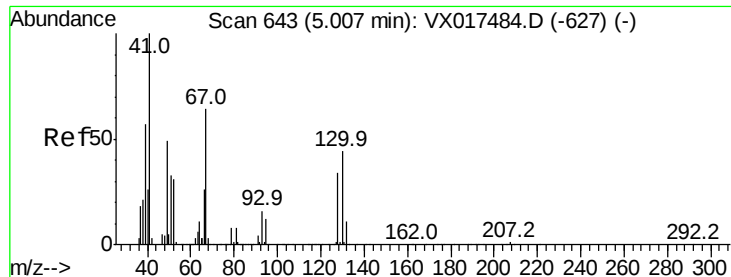
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.3#
77	0.6	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.143 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017782.D
 Acq: 04 Aug 2020 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.6	75.4	113.0#
121	0.7	24.3	36.5#

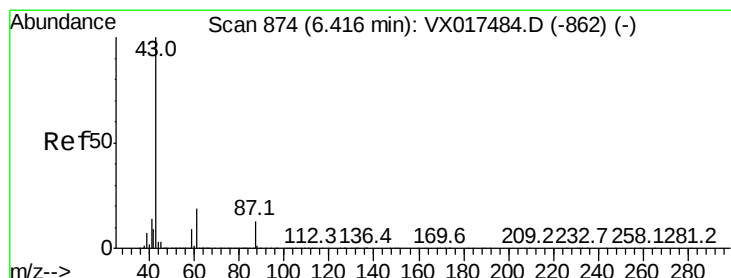
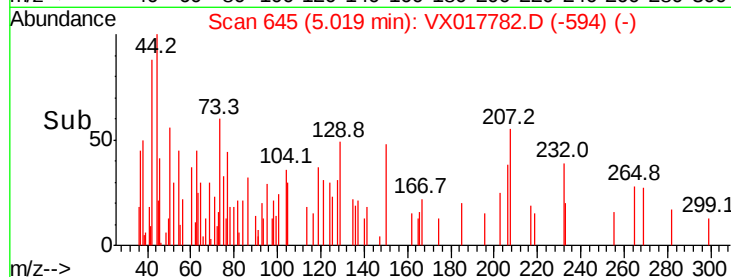
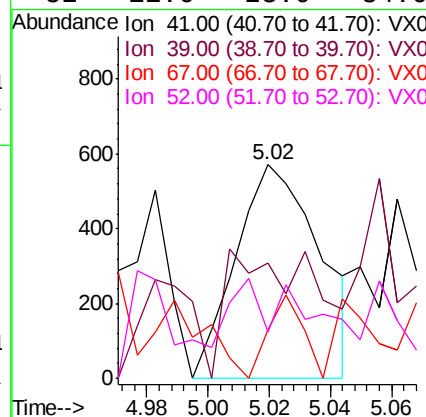
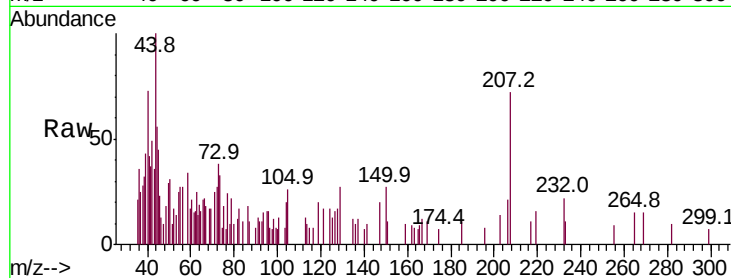




#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 5.02 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

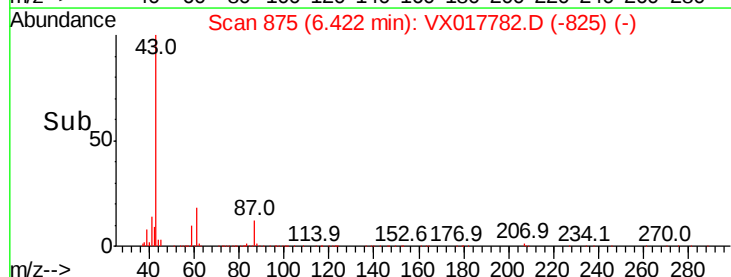
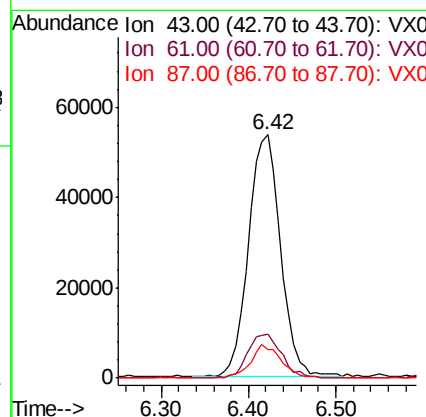
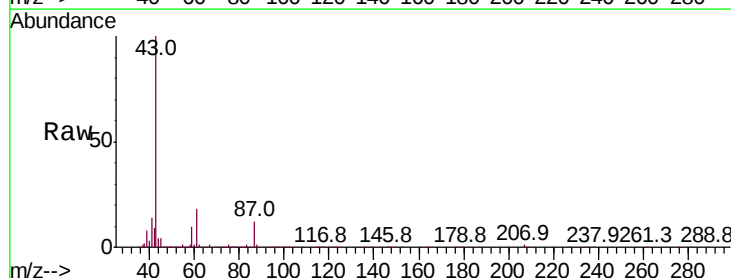
Instrument :
MSVOA_X
ClientSampled :

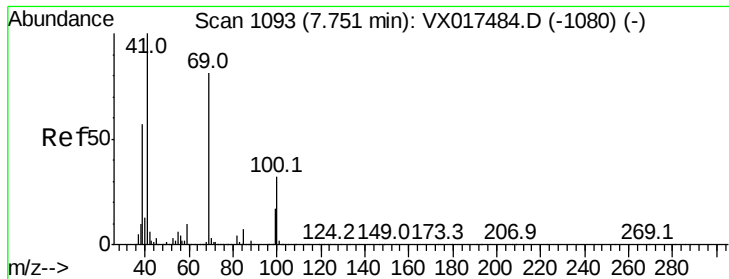
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.0	43.9	65.9	
67	16.3	54.0	81.0	#
52	11.6	23.0	34.6	#



#43
Isopropyl Acetate
Concen: 9.288 ug/l
RT: 6.42 min Scan# 875
Delta R.T. 0.01 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
61	19.3	15.5	23.3	
87	12.9	10.5	15.7	

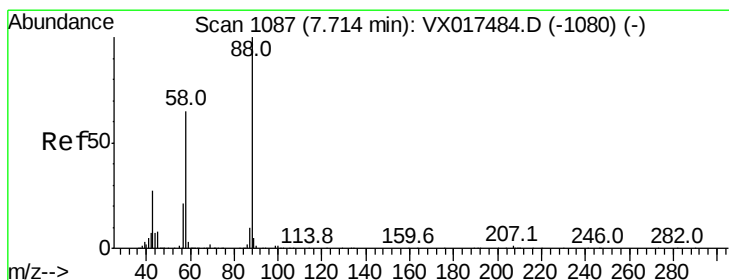
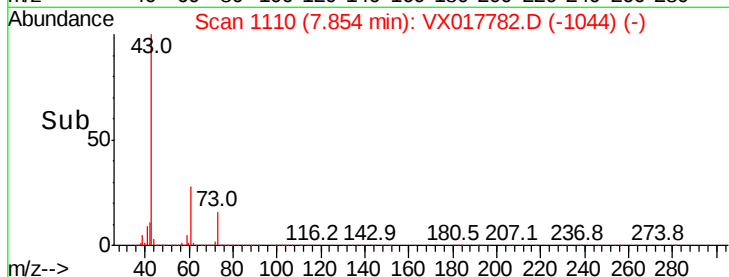
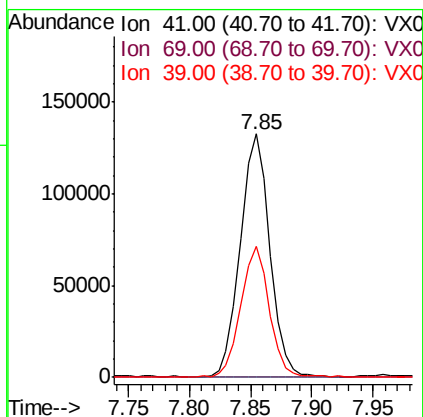
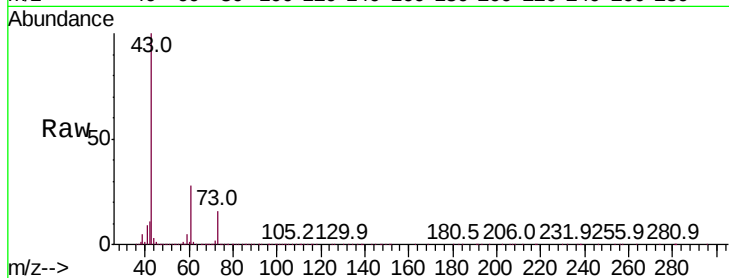




#48
Methvl methacrylate
Concen: 30.251 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.10 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

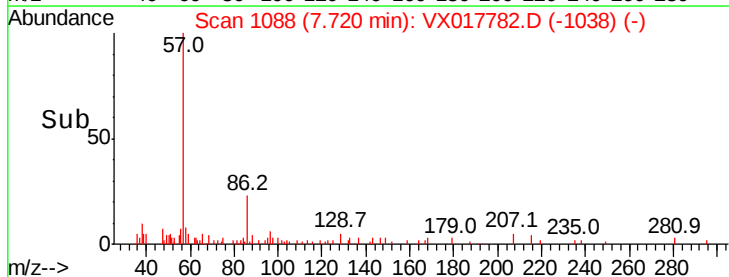
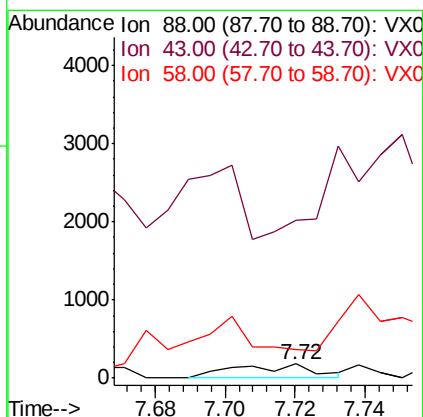
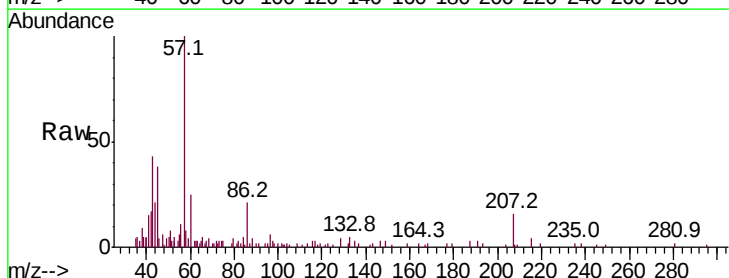
Instrument :
MSVOA_X
ClientSampleId :

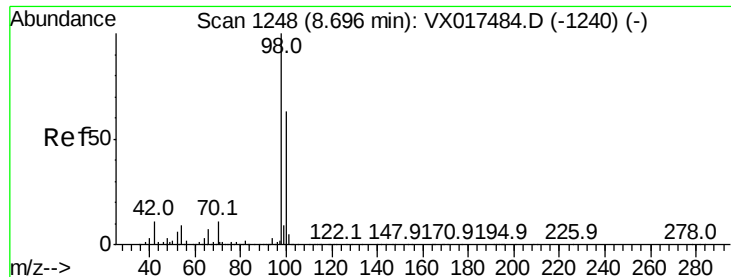
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.3	63.1	94.7#
39	53.2	45.1	67.7



#49
1,4-Dioxane
Concen: 2.071 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.8	41.6#
58	609.0	58.3	87.5#

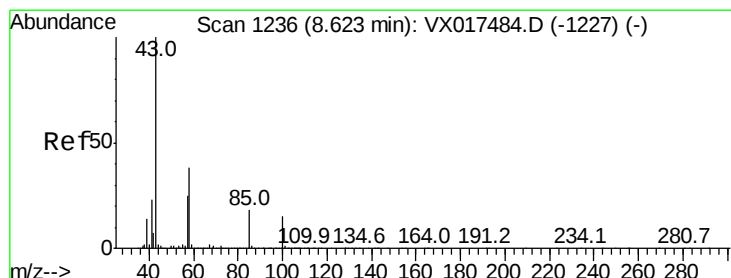
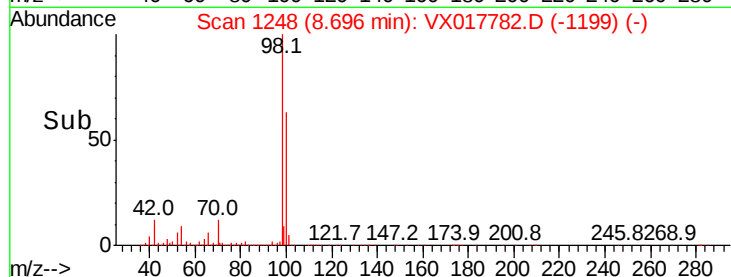
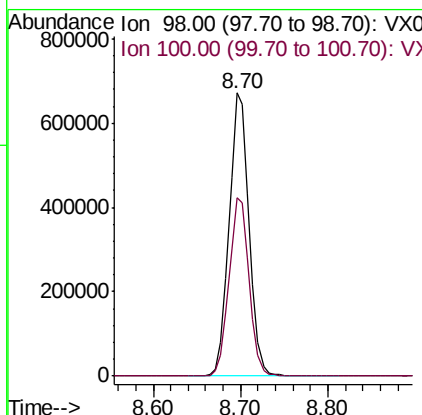
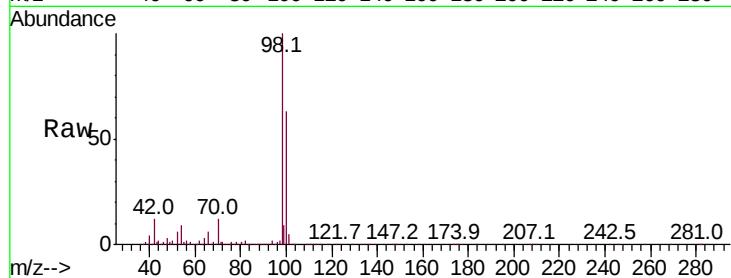




#50
Toluene-d8
Concen: 51.727 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

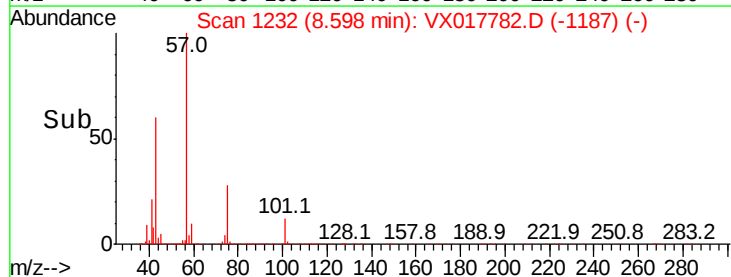
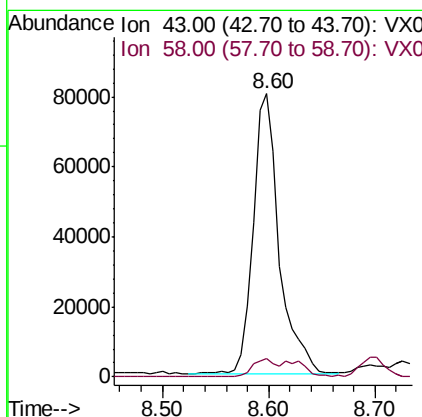
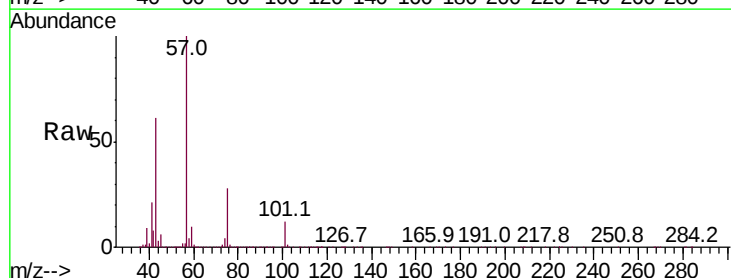
Instrument :
MSVOA_X
ClientSampleId :

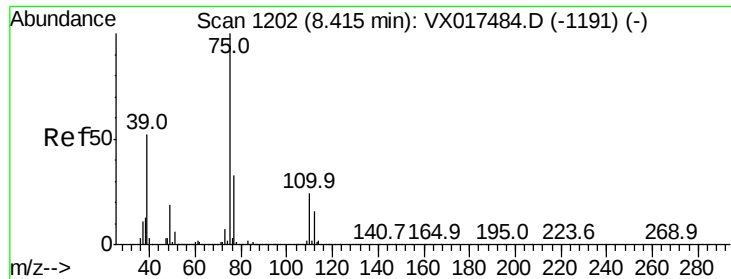
Tot Ion: 98 Resp: 1058281
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 15.564 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion: 43 Resp: 136343
Ion Ratio Lower Upper
43 100
58 6.2 31.0 46.4#





#54

cis-1,3-Dichloropropene

Concen: 5.104 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

ClientSampleId :

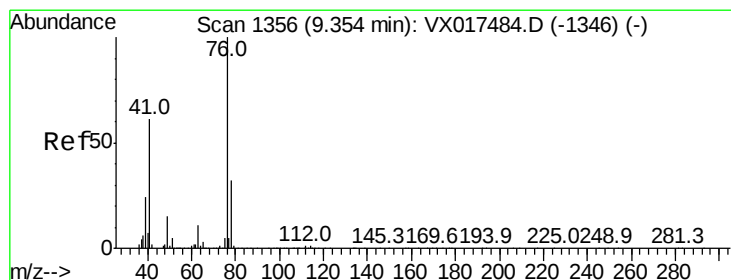
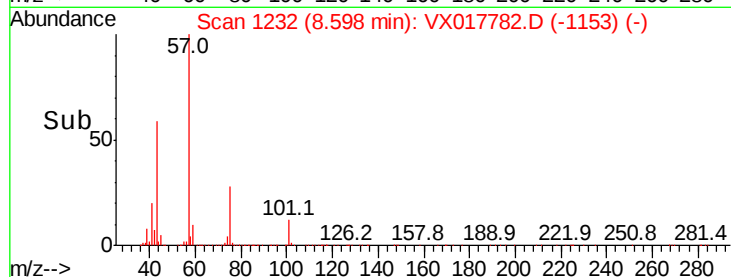
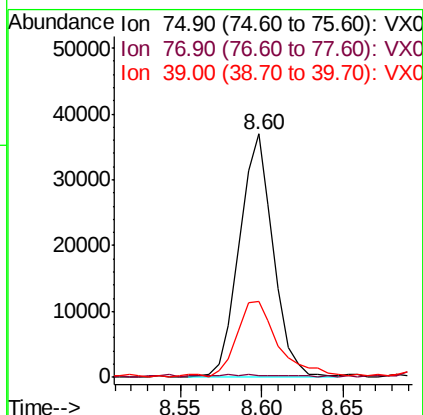
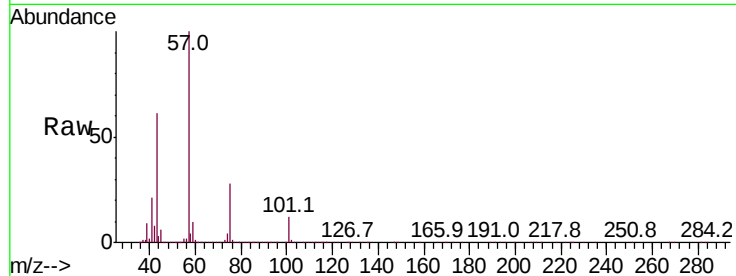
Tot Ion: 75 Resp: 53569

Ion Ratio Lower Upper

75 100

77 0.4 25.5 38.3#

39 30.2 41.8 62.8#



#57

1,3-Dichloropropene

Concen: 0.888 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX017782.D

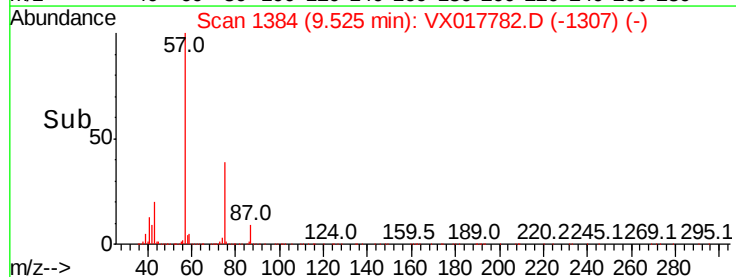
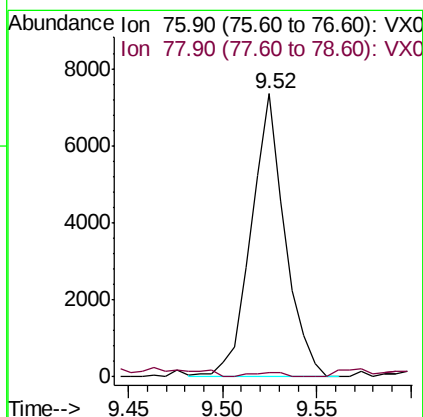
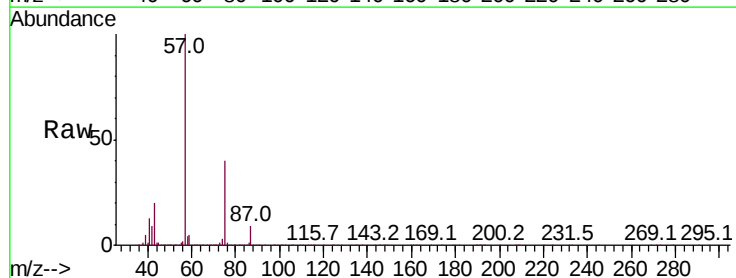
Acq: 04 Aug 2020 20:00

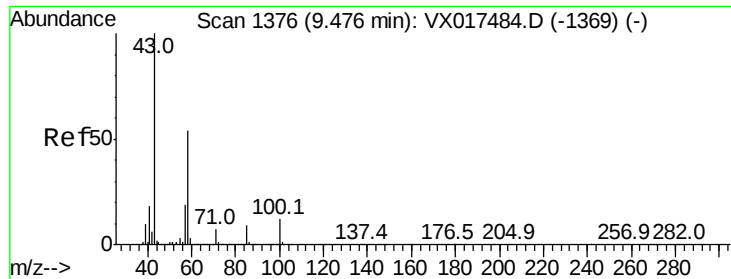
Tgt Ion: 76 Resp: 9104

Ion Ratio Lower Upper

76 100

78 1.5 25.8 38.8#

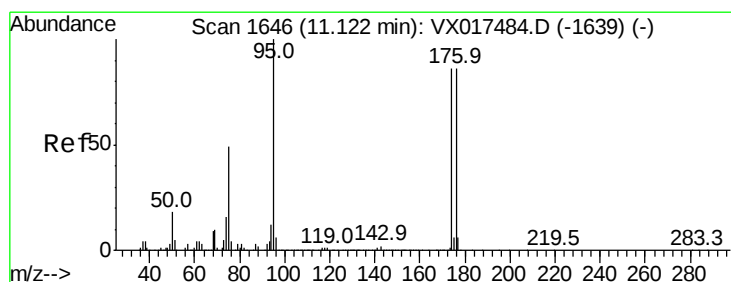
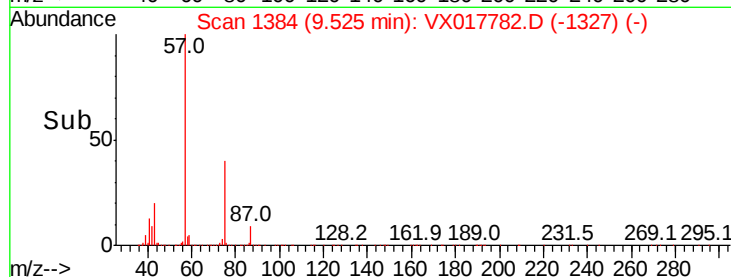
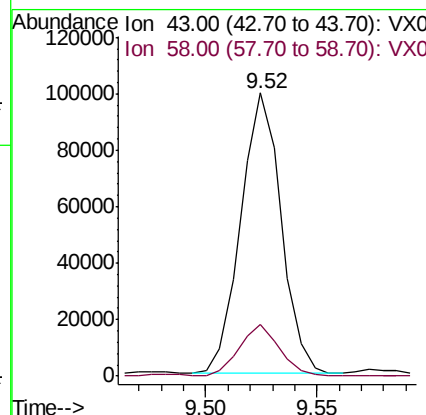
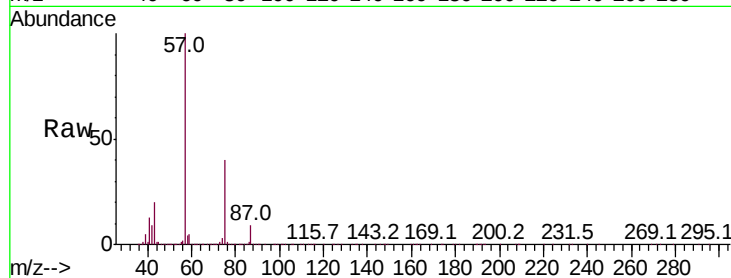




#59
2-Hexanone
Concen: 19.054 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

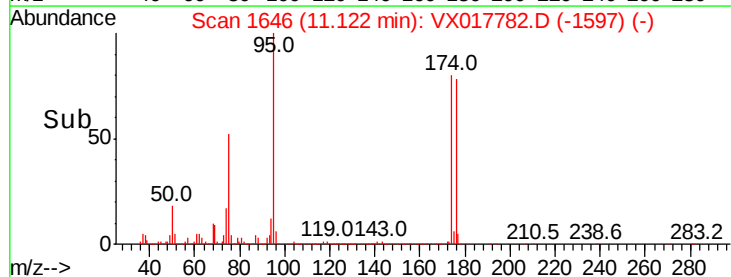
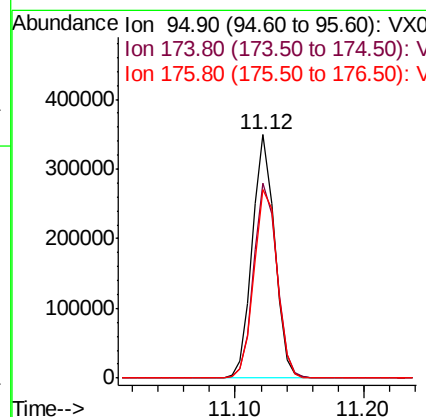
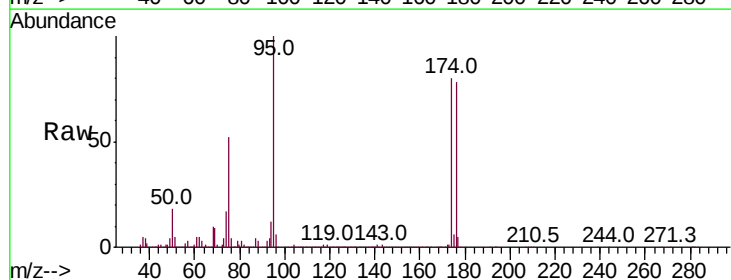
Instrument :
MSVOA_X
ClientSampled :

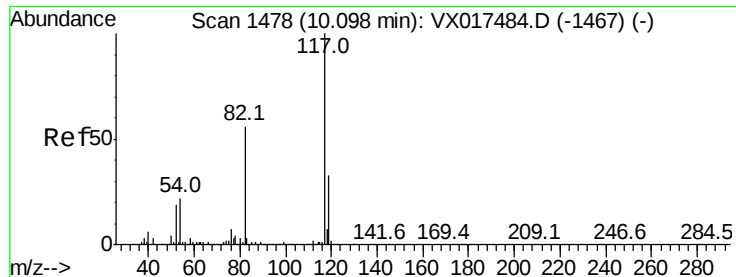
Tot Ion: 43 Resp: 125672
Ion Ratio Lower Upper
43 100
58 18.7 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 50.768 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion: 95 Resp: 415675
Ion Ratio Lower Upper
95 100
174 83.1 0.0 169.0
176 80.8 0.0 161.0

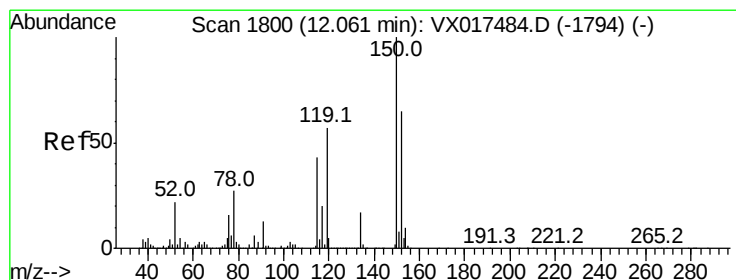
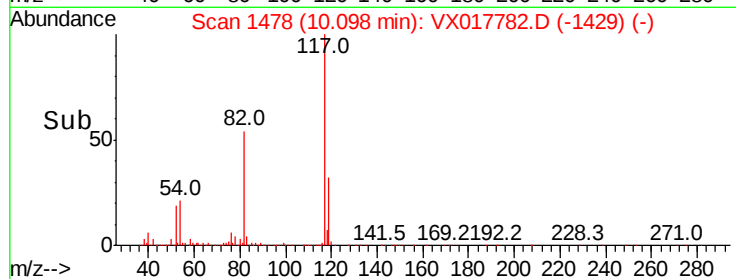
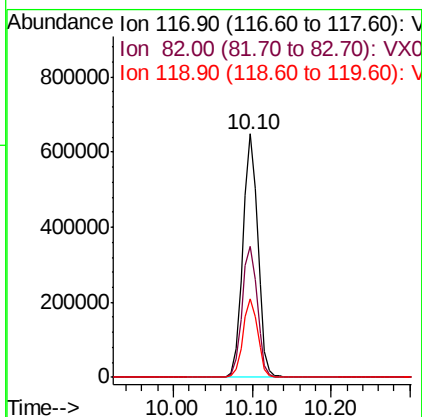
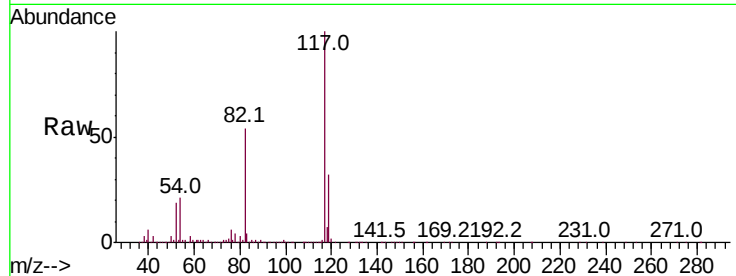




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

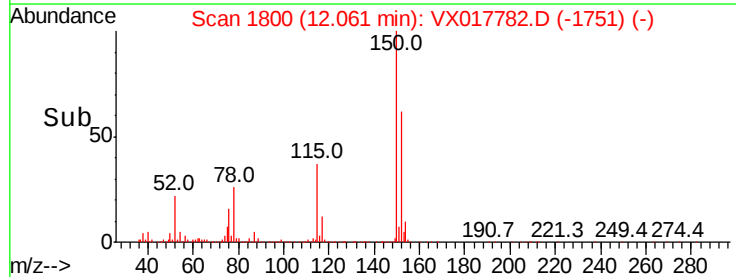
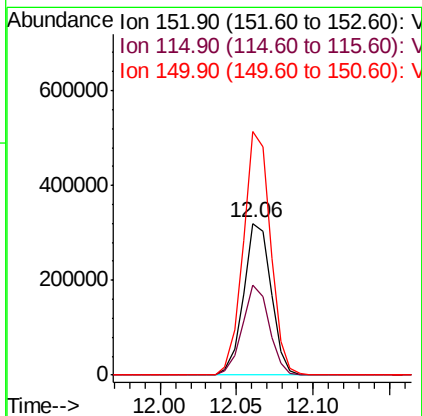
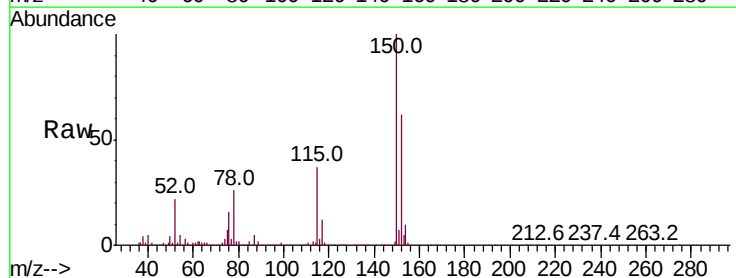
Instrument :
MSVOA_X
ClientSampleId :

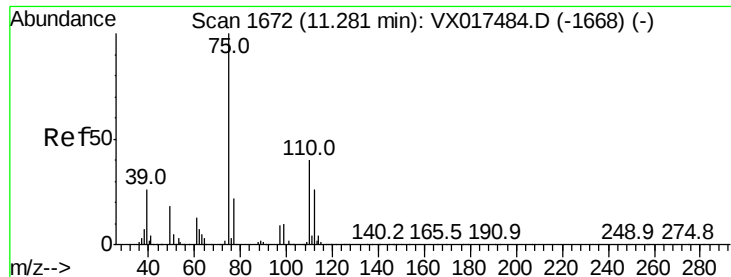
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.0	66.0
119	32.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017782.D
Acq: 04 Aug 2020 20:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	65.5	196.6#
150	158.4	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 26.284 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

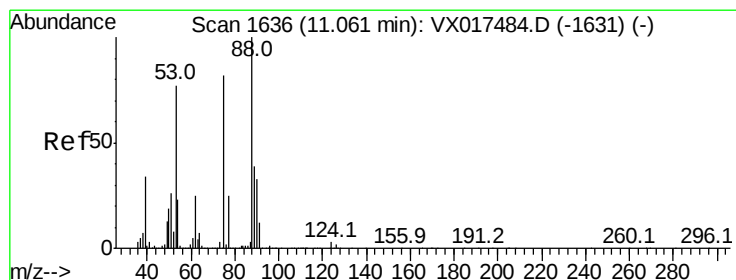
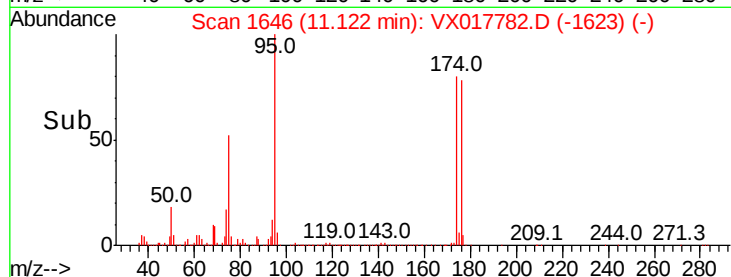
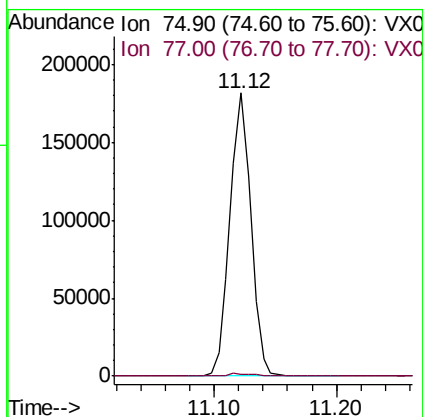
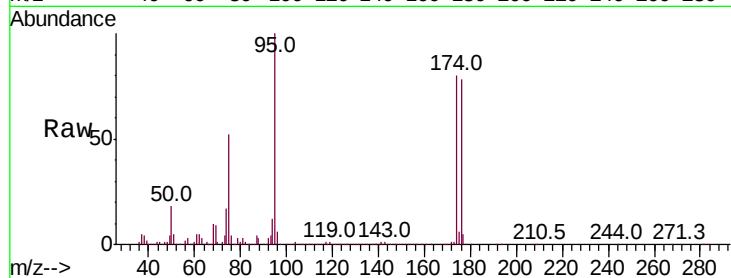
ClientSampled :

Tot Ion: 75 Resp: 216091

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.229 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

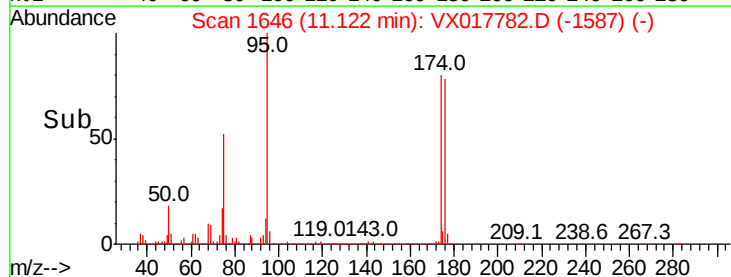
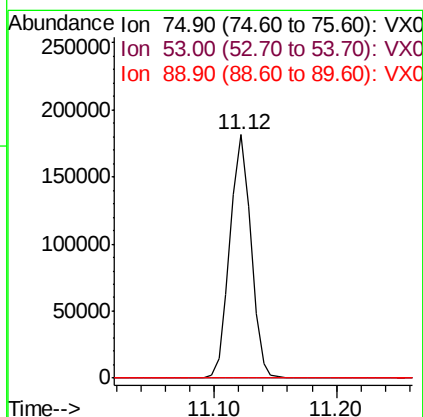
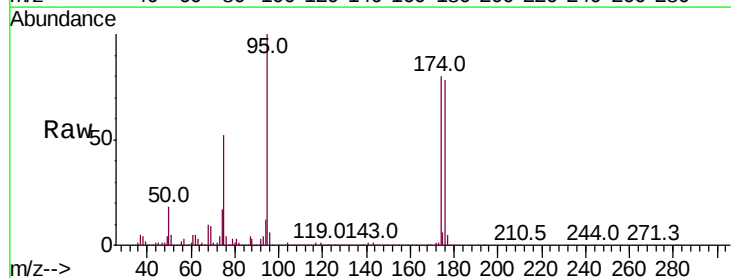
Tgt Ion: 75 Resp: 216091

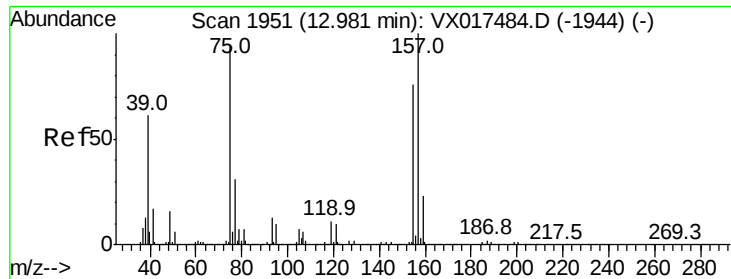
Ion Ratio Lower Upper

75 100

53 0.7 75.9 113.9#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.604 ug/l

RT: 12.99 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VX017782.D

Acq: 04 Aug 2020 20:00

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 70

Ion Ratio Lower Upper

75 100

155 124.3 42.3 126.8

157 247.1 54.3 162.9#

