

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016734.D
 Acq On : 12 Jun 2020 17:26
 Operator : JC/SP
 Sample : PB129469TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:31:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	221656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	354806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	373744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	184787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	132327	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
35) Dibromofluoromethane	5.47	113	110317	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	8.70	98	443575	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	176163	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	

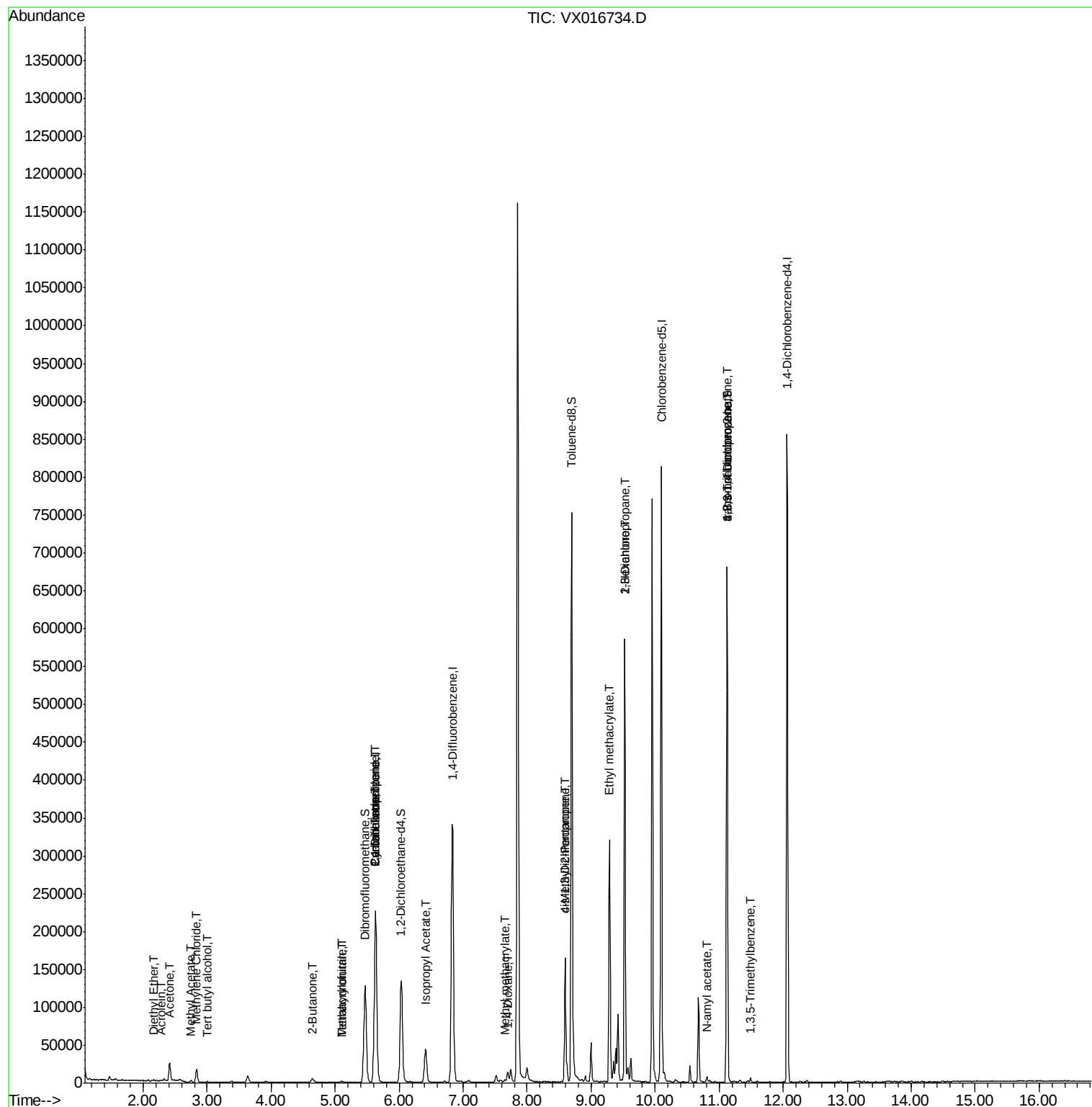
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	331	0.217	ug/l #	26
11) Tert butyl alcohol	3.00	59	1079	1.529	ug/l #	72
13) Acrolein	2.27	56	142	0.473	ug/l #	55
16) Acetone	2.42	43	24731	20.506	ug/l	98
18) Methyl Acetate	2.75	43	2855	0.923	ug/l	99
20) Methylene Chloride	2.84	84	8628	3.458	ug/l	90
25) 2-Butanone	4.64	43	5244	2.566	ug/l	95
29) Tetrahydrofuran	5.11	42	1523	1.154	ug/l	94
31) Cyclohexane	5.64	56	4091	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15745	4.687	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20915	5.924	ug/l #	17
41) Methacrylonitrile	5.10	41	1059	0.478	ug/l #	41
43) Isopropyl Acetate	6.41	43	60144	9.560	ug/l	97
48) Methyl methacrylate	7.65	41	4156	1.380	ug/l #	14
49) 1,4-Dioxane	7.71	88	20	0.284	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	56993	14.550	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	27723	6.503	ug/l #	61
56) Ethyl methacrylate	9.29	69	1210	0.296	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5257	1.221	ug/l #	42
59) 2-Hexanone	9.52	43	60310	19.798	ug/l #	52
74) N-amyl acetate	10.81	43	3276	0.556	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	85607	21.077	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	2525	0.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	85607	51.845	ug/l #	14

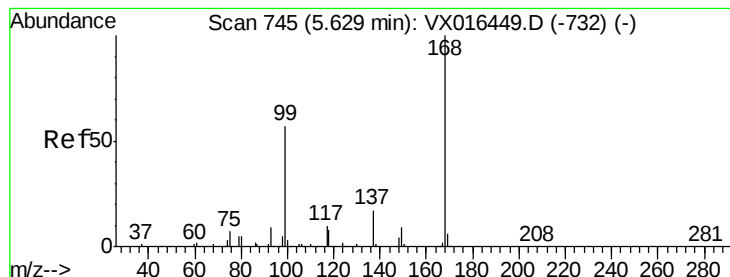
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061220\
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Quant Time: Jun 13 04:31:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

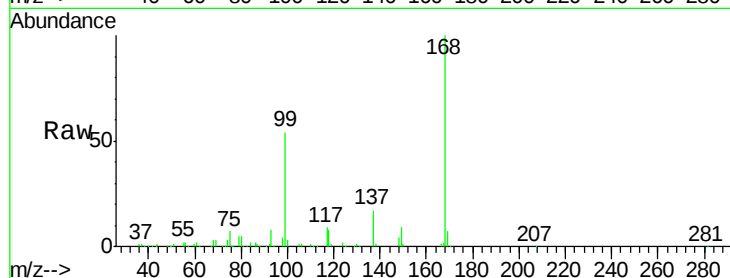
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 221656

Ion Ratio Lower Upper

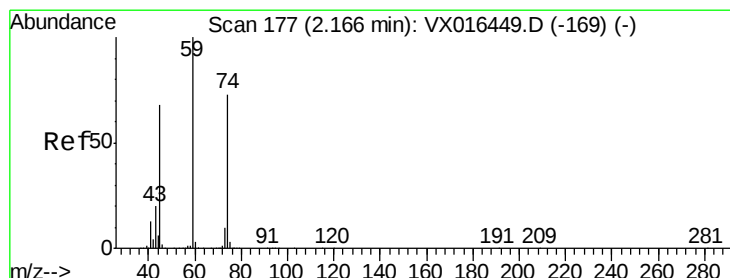
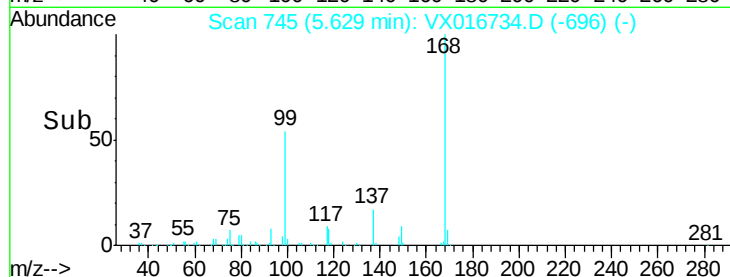
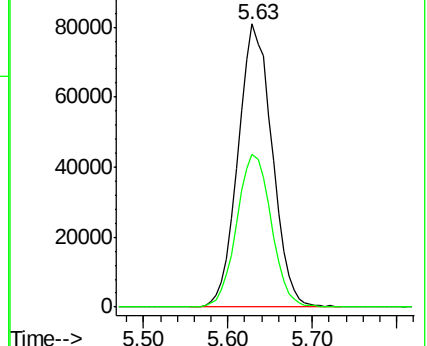
168 100

99 53.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.217 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016734.D

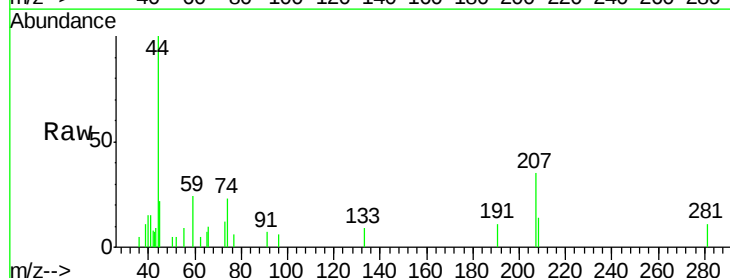
Acq: 12 Jun 2020 17:26

Tgt Ion: 74 Resp: 331

Ion Ratio Lower Upper

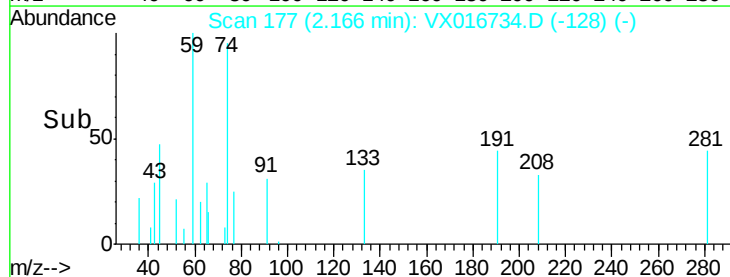
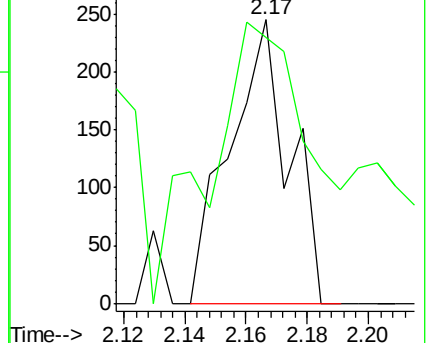
74 100

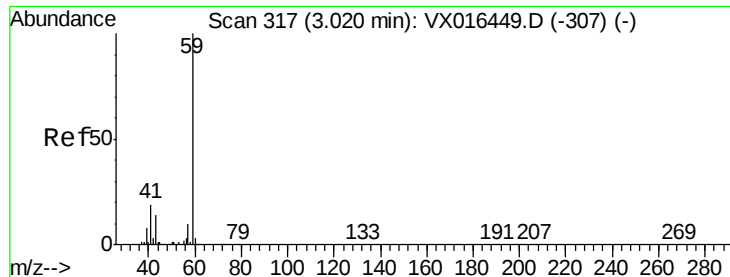
45 166.5 47.5 142.5#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



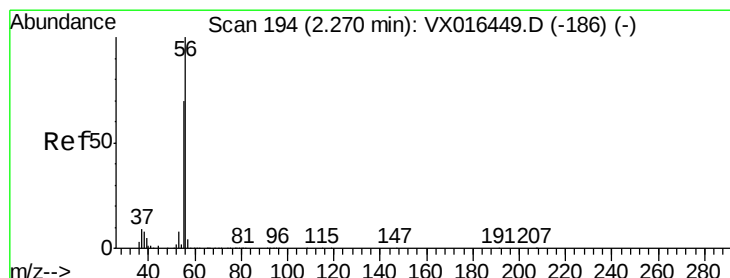
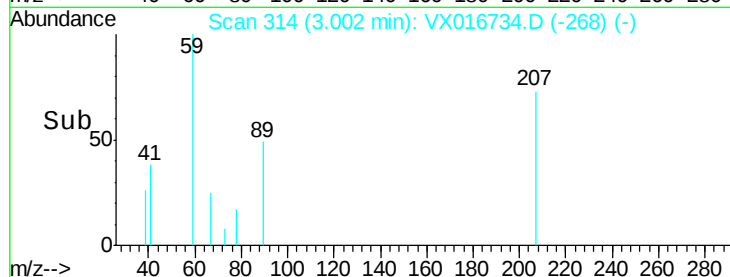
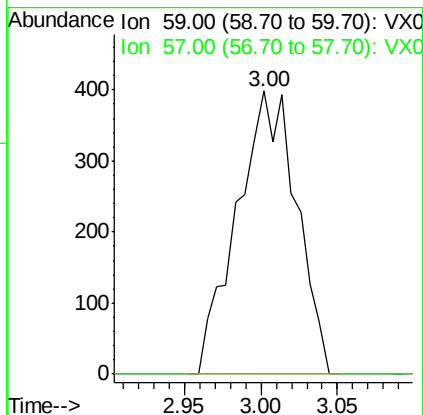
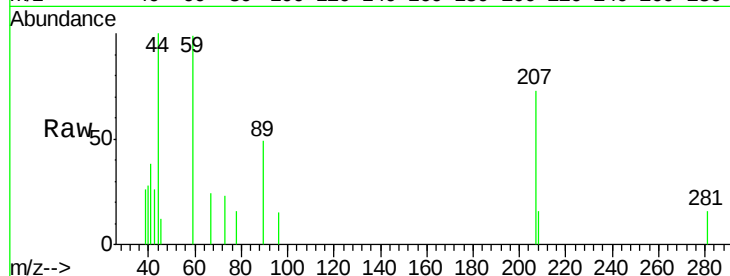


#11

Tert butvl alcohol
 Concen: 1.529 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016734.D
 Acq: 12 Jun 2020 17:26

Instrument :
 MSVOA_X
 ClientSampleId :

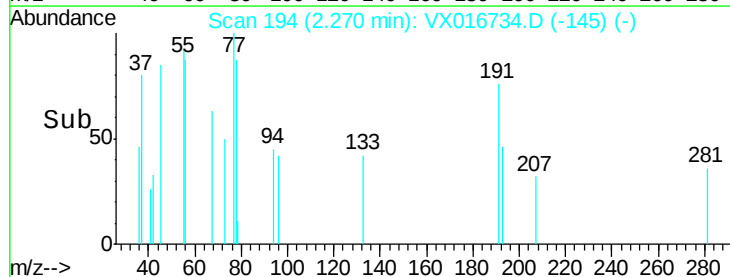
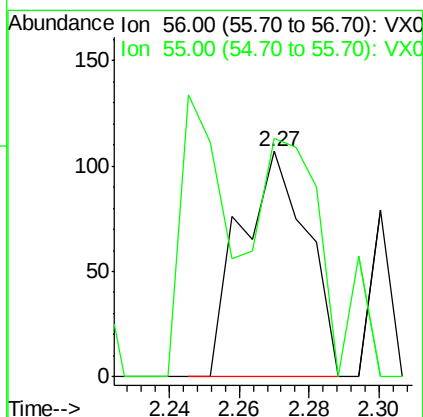
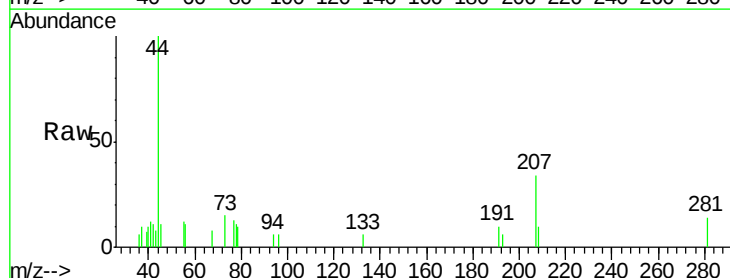
Tot Ion: 59 Resp: 1079
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

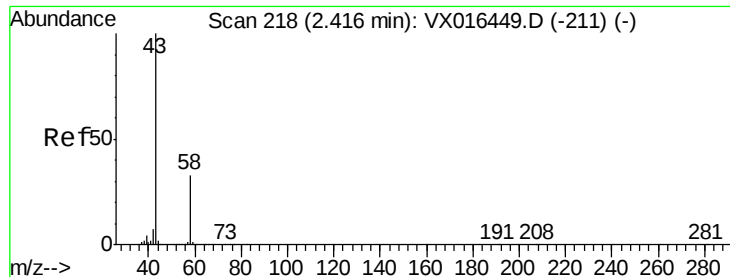


#13

Acrolein
 Concen: 0.473 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX016734.D
 Acq: 12 Jun 2020 17:26

Tgt Ion: 56 Resp: 142
 Ion Ratio Lower Upper
 56 100
 55 110.6 58.3 87.5#

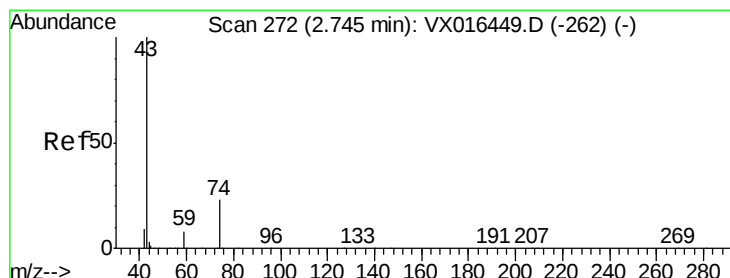
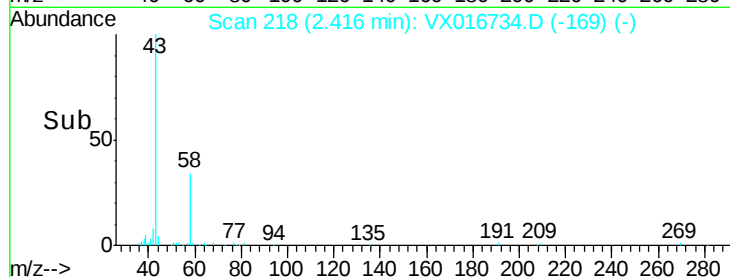
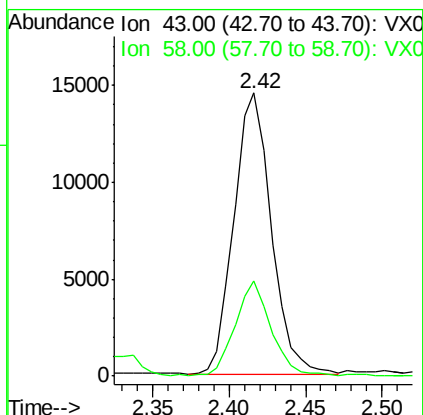
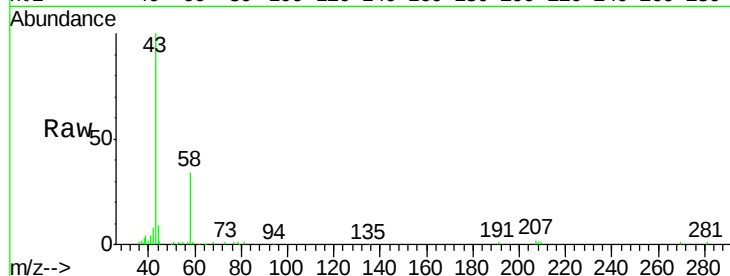




#16
Acetone
Concen: 20.506 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

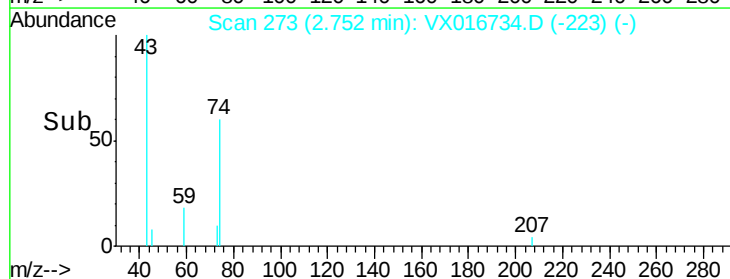
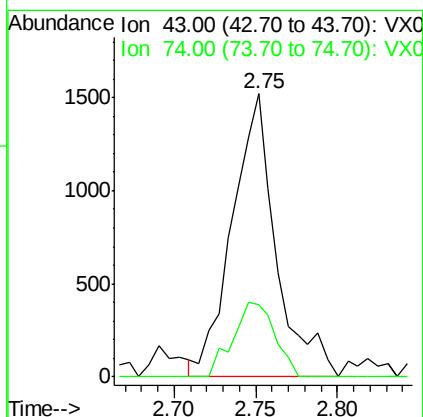
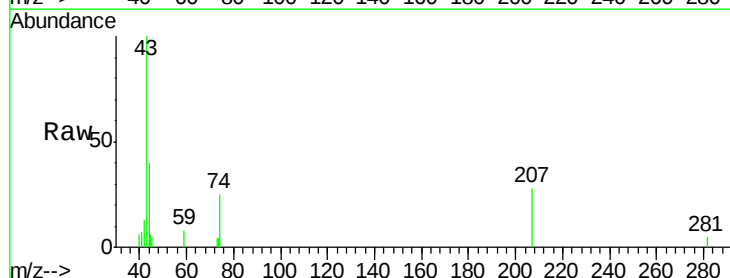
Instrument :
MSVOA_X
ClientSampleId :

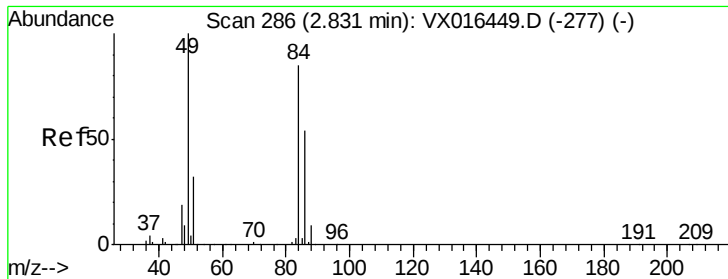
Tot Ion: 43 Resp: 24731
Ion Ratio Lower Upper
43 100
58 33.6 26.1 39.1



#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion: 43 Resp: 2855
Ion Ratio Lower Upper
43 100
74 24.9 19.7 29.5

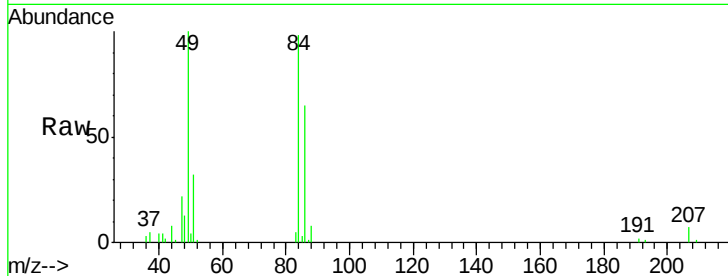




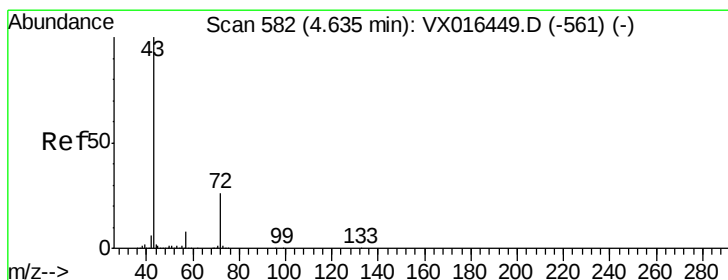
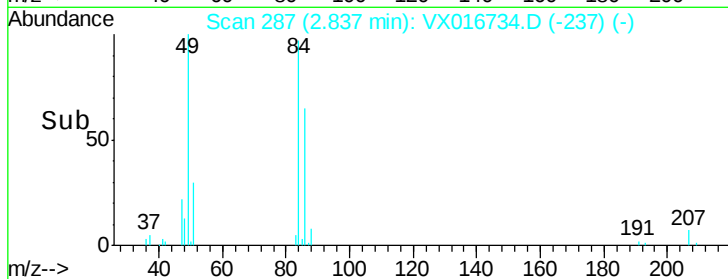
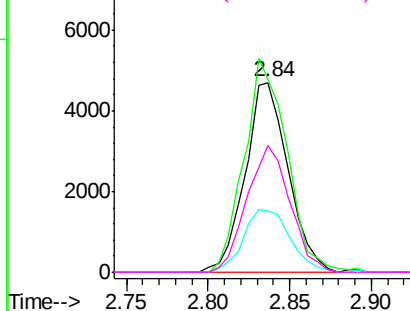
#20
Methylene Chloride
Concen: 3.458 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 8628
Ion Ratio Lower Upper
84 100
49 101.9 94.5 141.7
51 32.5 30.2 45.4
86 66.5 51.1 76.7

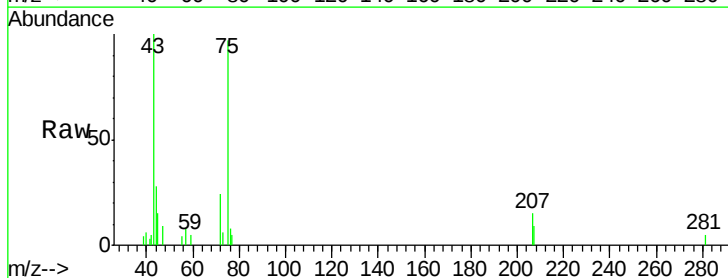


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

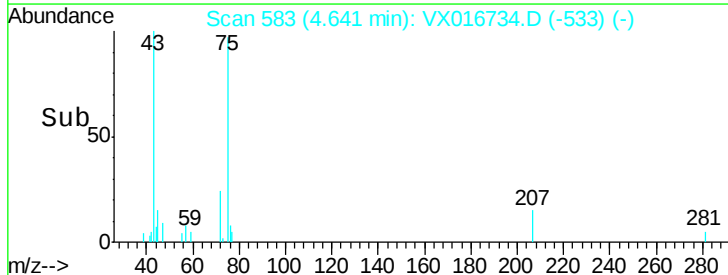
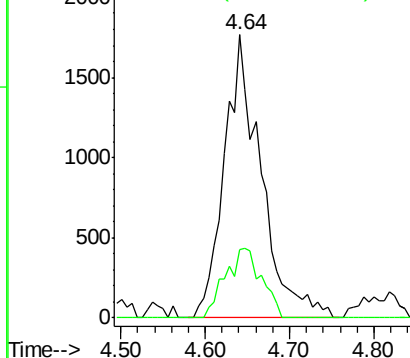


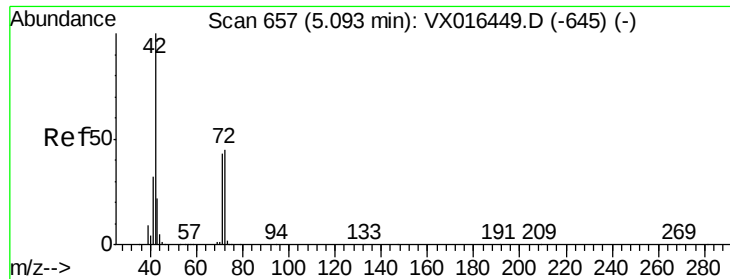
#25
2-Butanone
Concen: 2.566 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion: 43 Resp: 5244
Ion Ratio Lower Upper
43 100
72 24.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

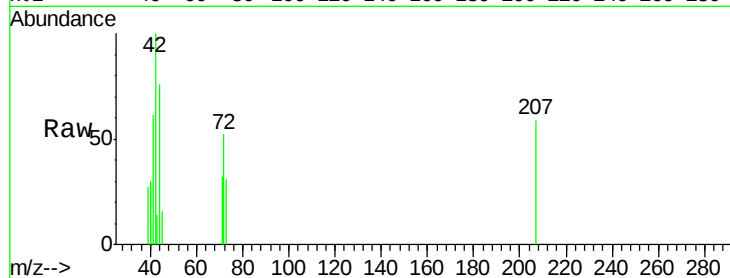




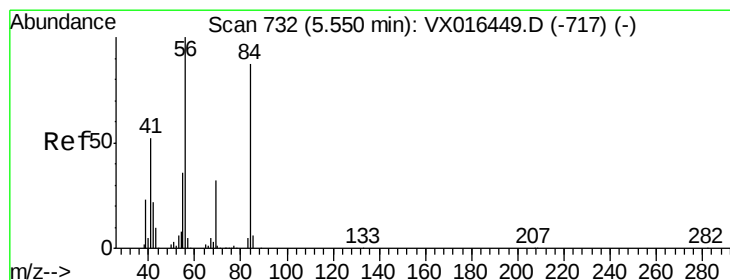
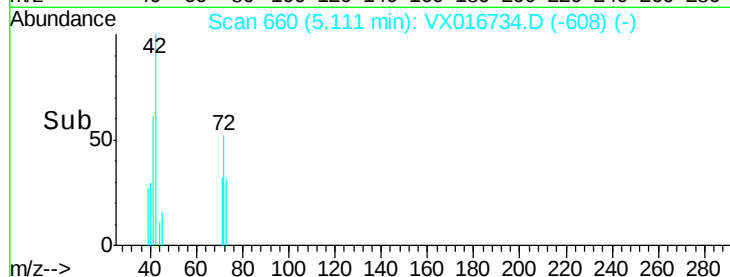
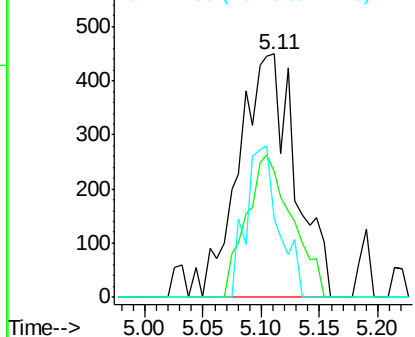
#29
Tetrahydrofuran
Concen: 1.154 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.4
71	36.0	34.1	51.1

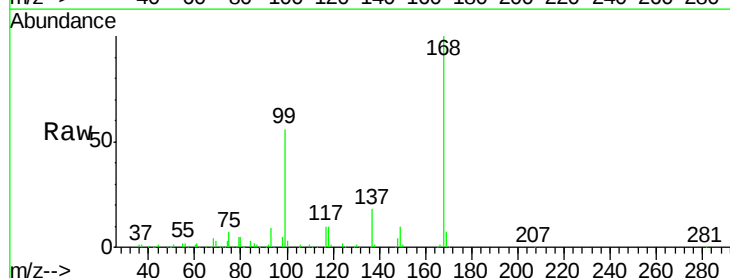


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

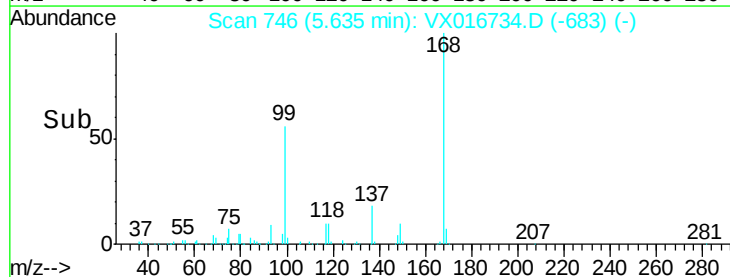
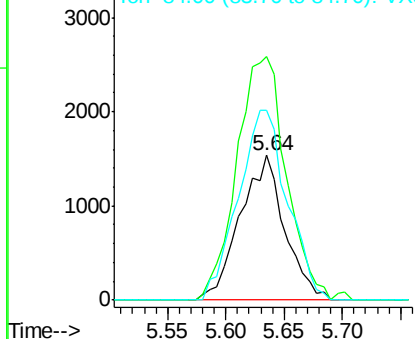


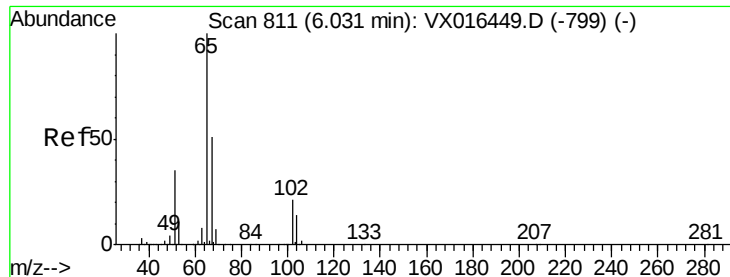
#31
Cyclohexane
Concen: 1.069 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion	Ratio	Lower	Upper
56	100		
69	168.0	25.7	38.5#
84	130.5	70.0	105.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.072 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

Instrument :

MSVOA_X

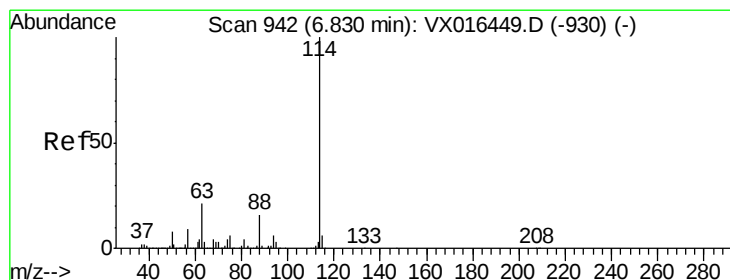
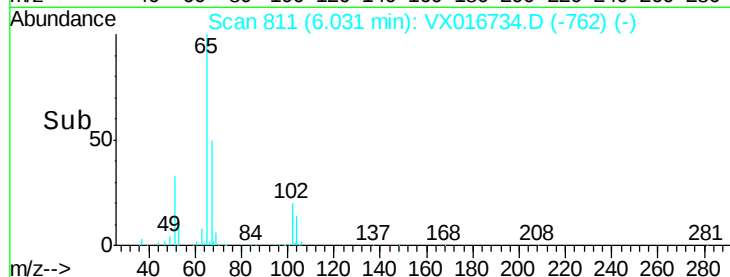
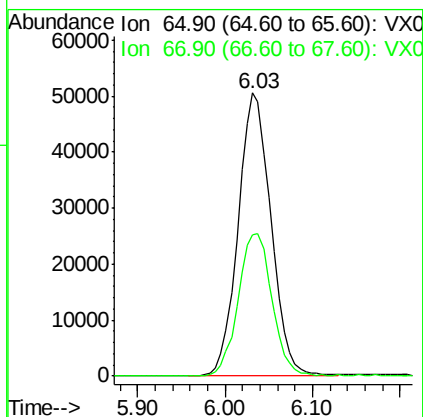
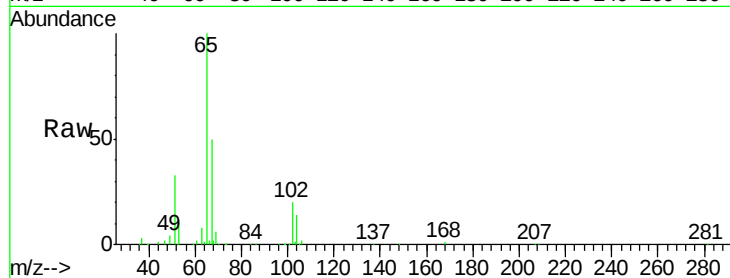
ClientSampleId :

Tot Ion: 65 Resp: 132327

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

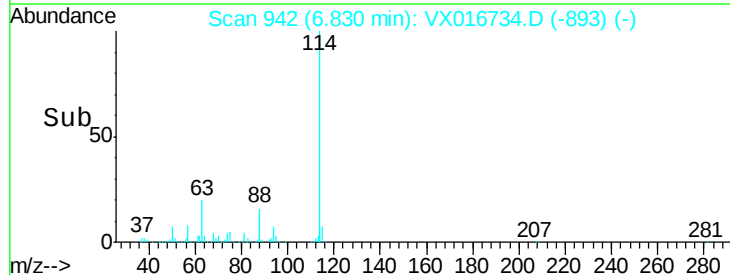
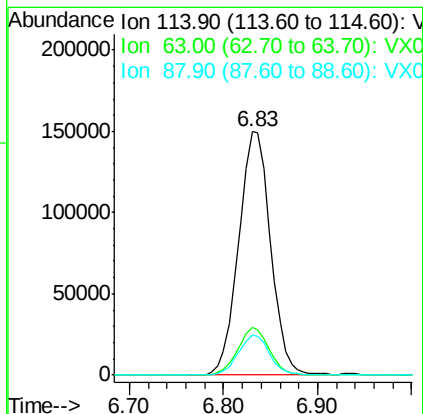
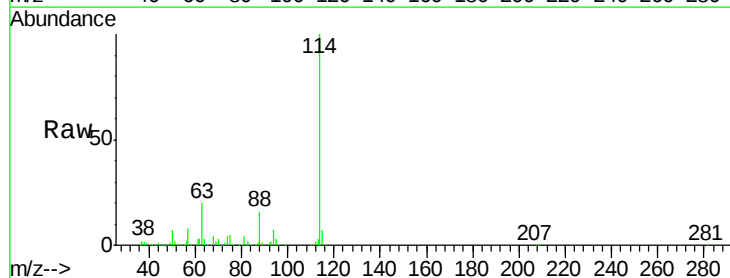
Tgt Ion: 114 Resp: 354806

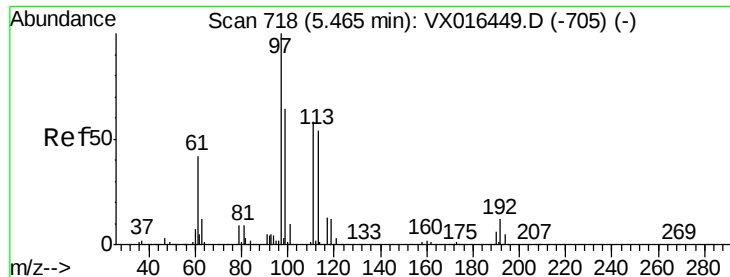
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 16.3 0.0 32.8

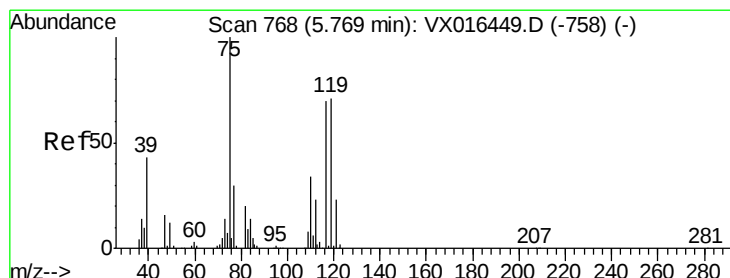
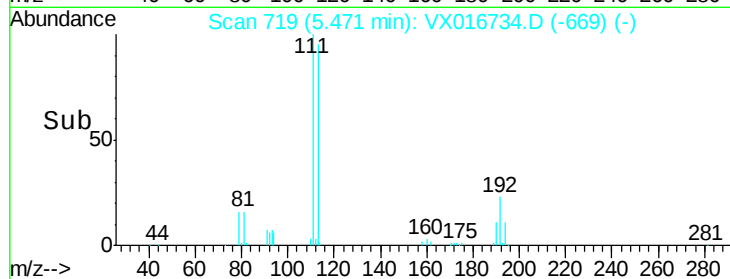
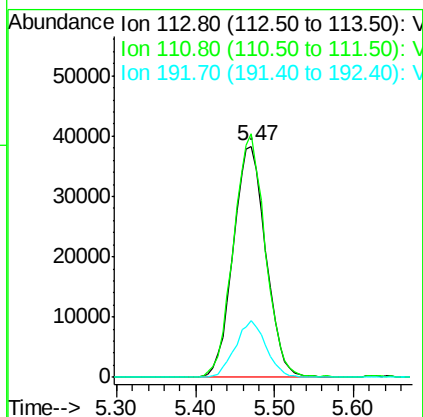
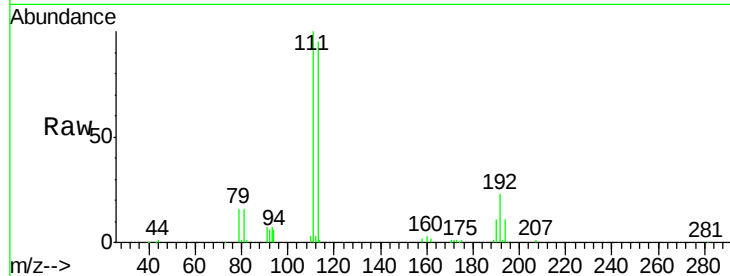




#35
 Dibromofluoromethane
 Concen: 50.495 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016734.D
 Acq: 12 Jun 2020 17:26

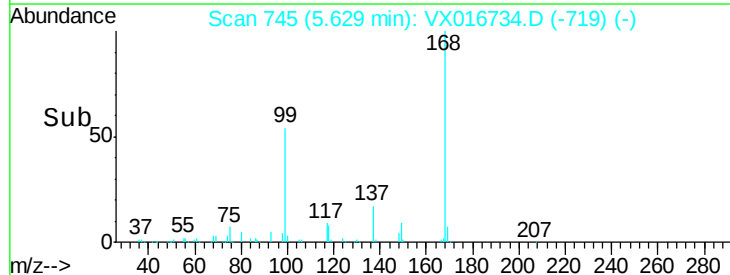
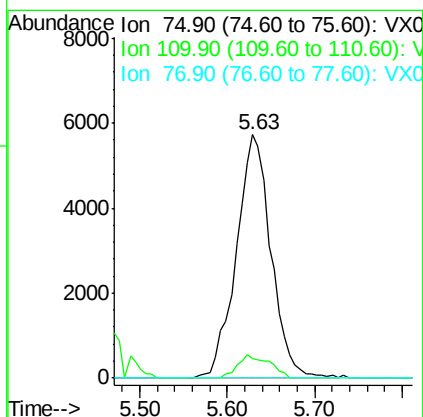
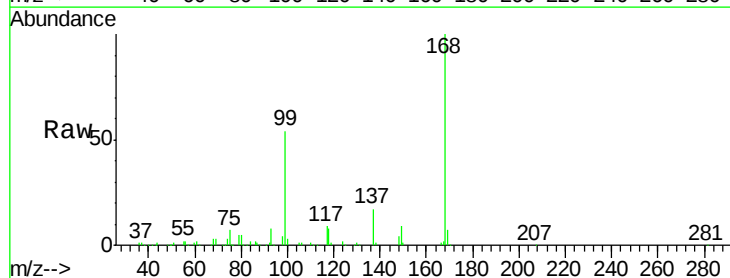
Instrument :
 MSVOA_X
 ClientSampled :

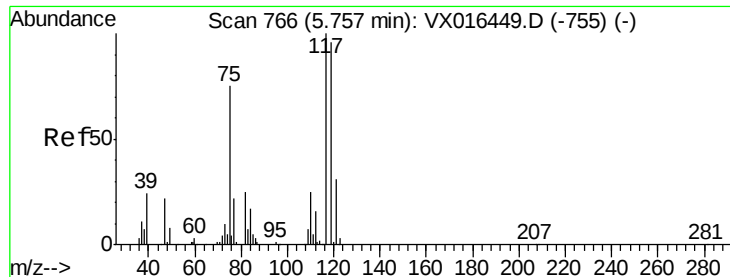
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.6
192	23.3	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016734.D
 Acq: 12 Jun 2020 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.924 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

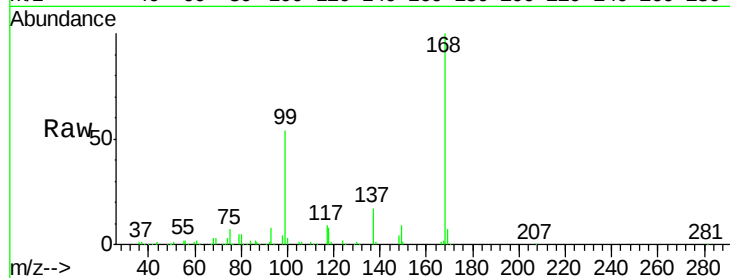
Tot Ion:117 Resp: 20915

Ion Ratio Lower Upper

117 100

119 6.5 76.3 114.5#

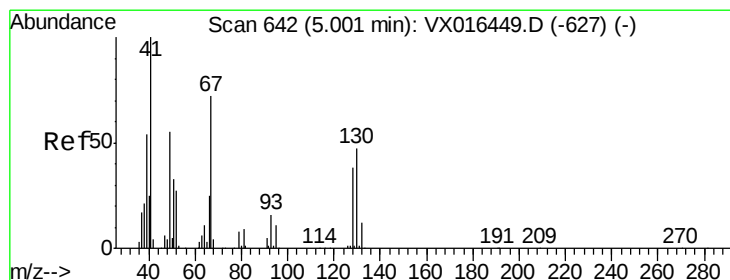
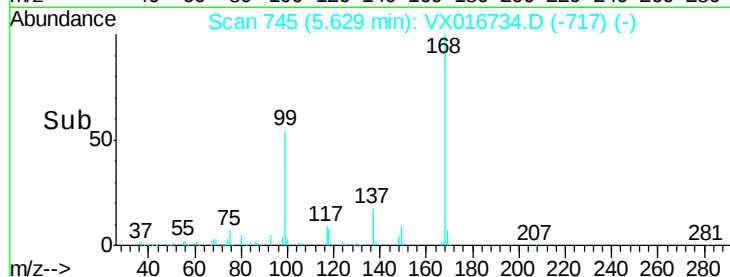
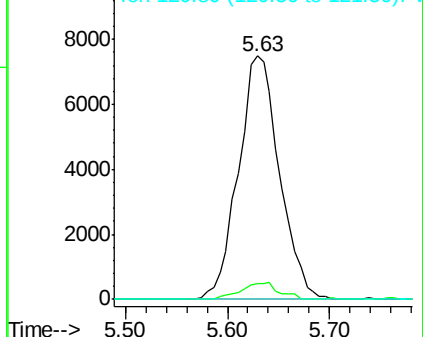
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.478 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.10 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

Tgt Ion: 41 Resp: 1059

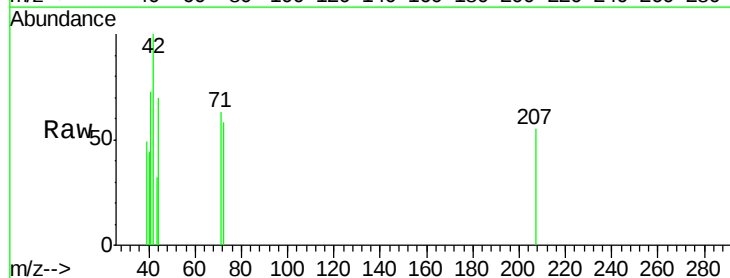
Ion Ratio Lower Upper

41 100

39 36.4 43.0 64.4#

67 0.0 58.9 88.3#

52 0.0 23.1 34.7#

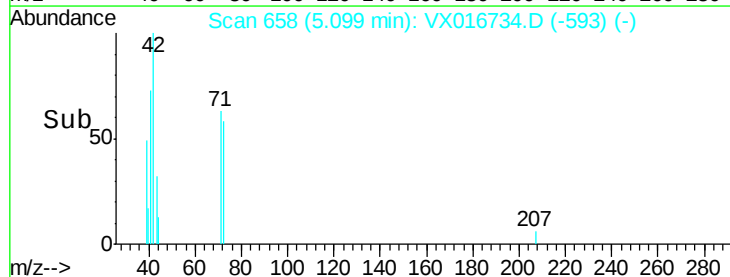
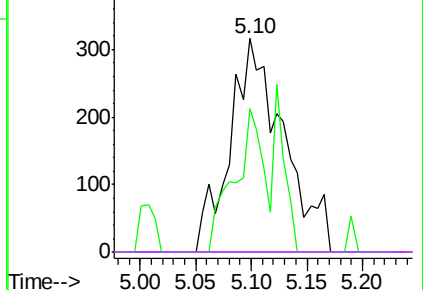


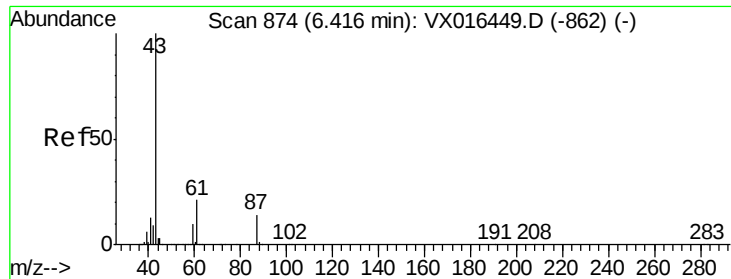
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

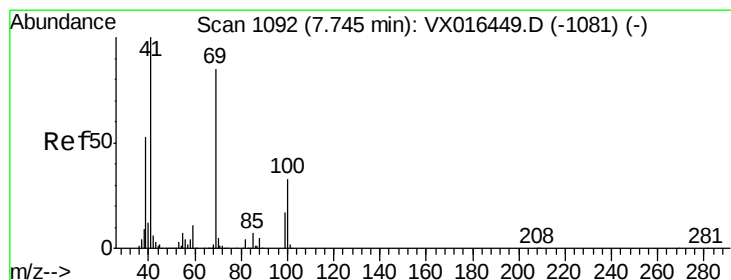
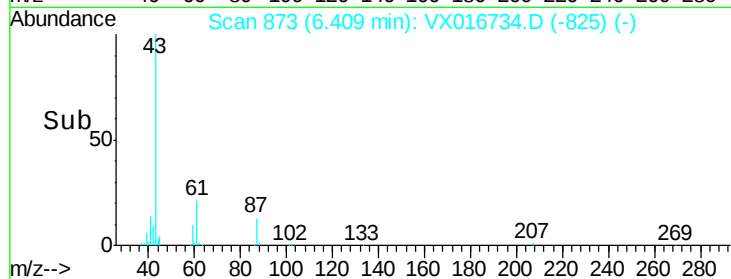
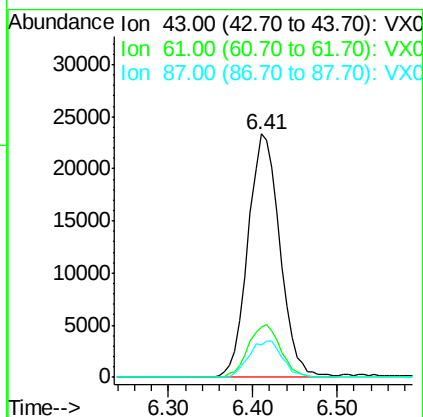
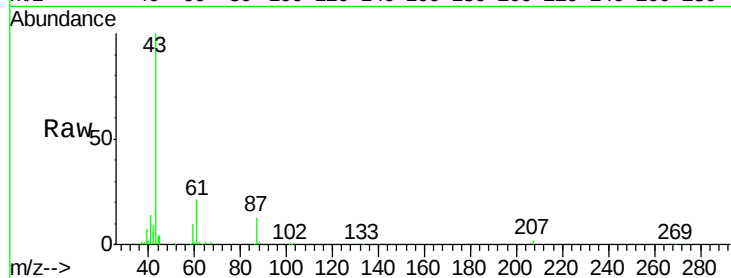




#43
Isopropyl Acetate
Concen: 9.560 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

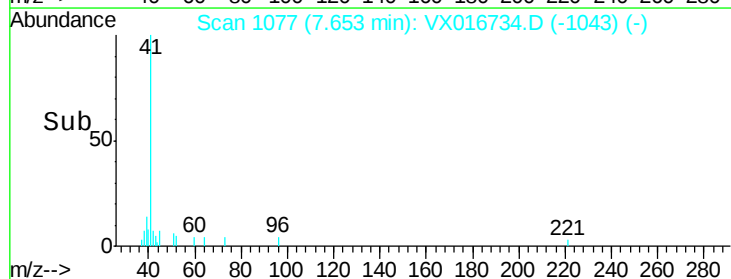
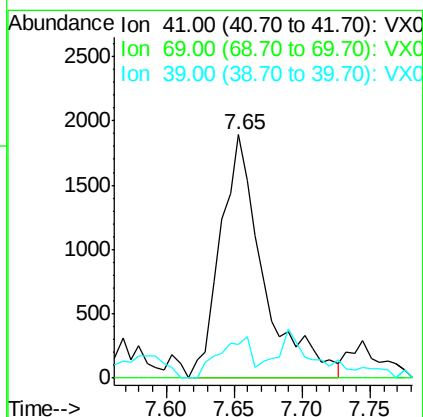
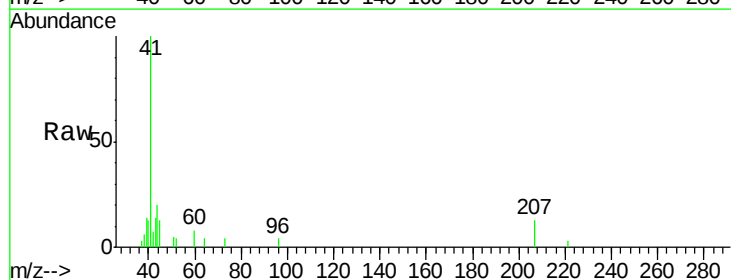
Instrument :
MSVOA_X
ClientSampleId :

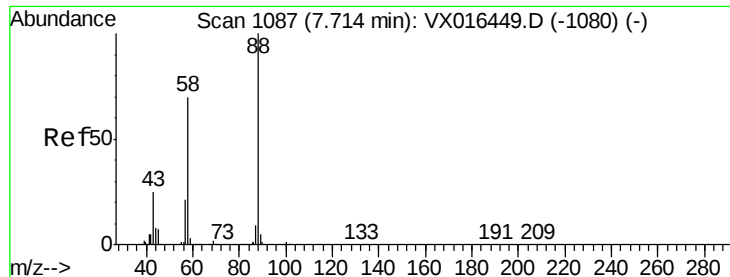
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.8	25.2
87	15.6	11.2	16.8



#48
Methyl methacrylate
Concen: 1.380 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.6	102.8#
39	0.0	42.4	63.6#

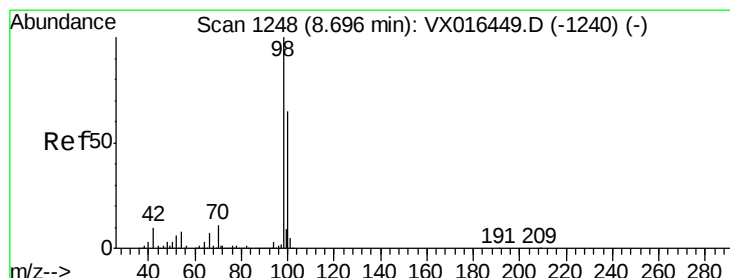
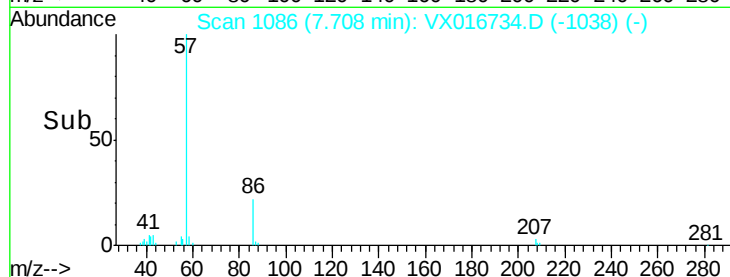
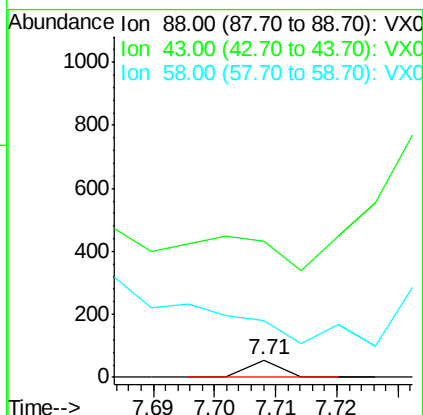
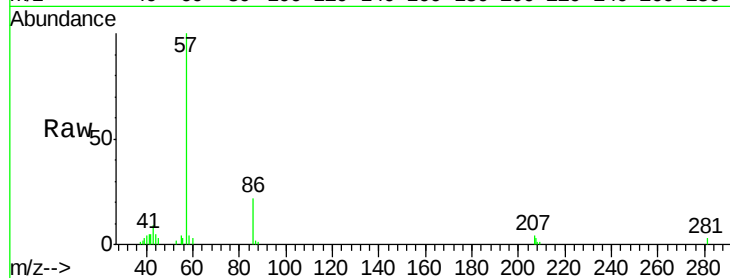




#49
1,4-Dioxane
Concen: 0.284 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

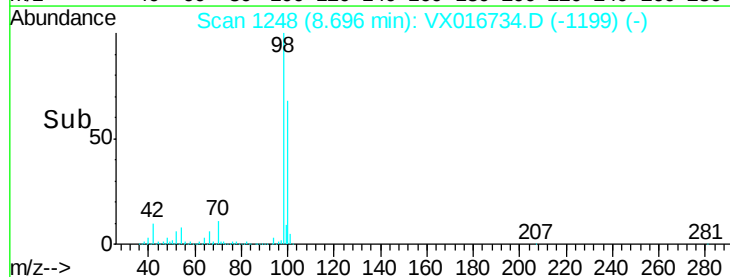
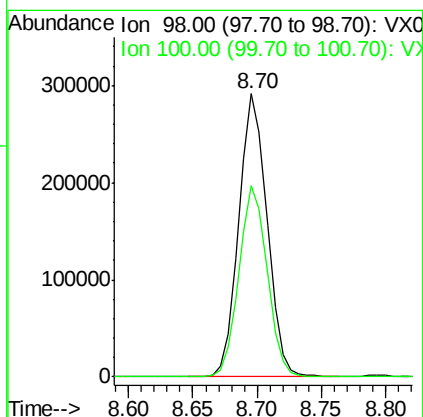
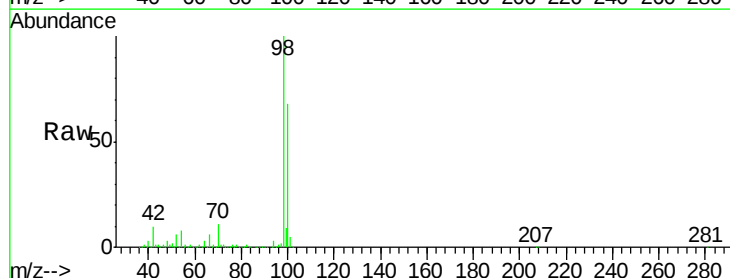
Instrument :
MSVOA_X
ClientSampleId :

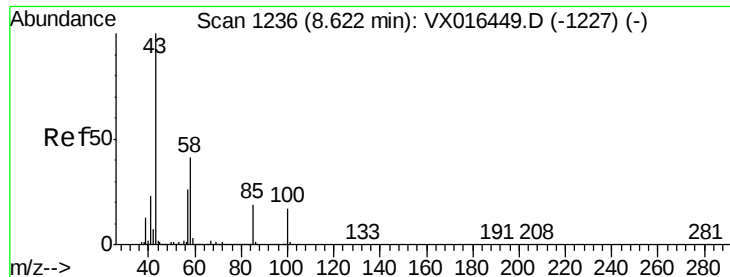
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 56.5 84.7#



#50
Toluene-d8
Concen: 52.165 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion: 98 Resp: 443575
Ion Ratio Lower Upper
98 100
100 67.4 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 14.550 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

Instrument :

MSVOA_X

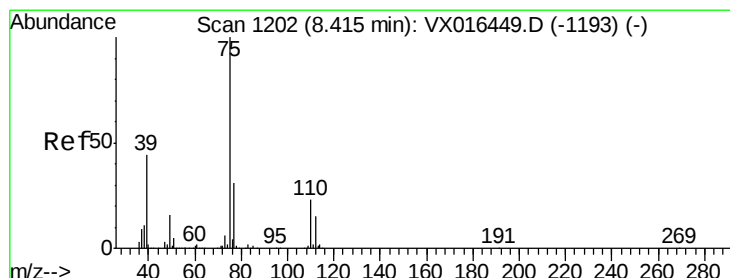
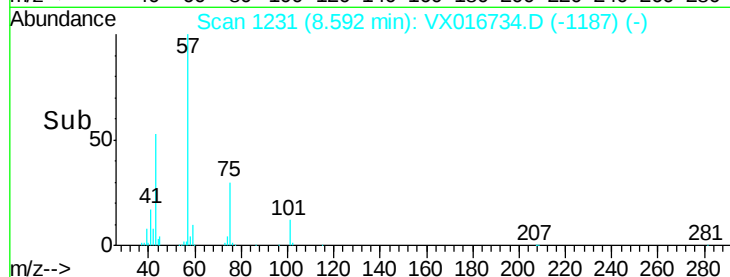
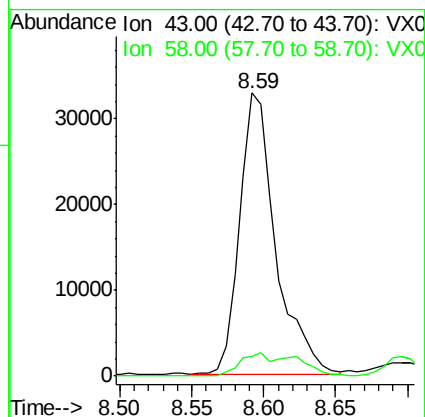
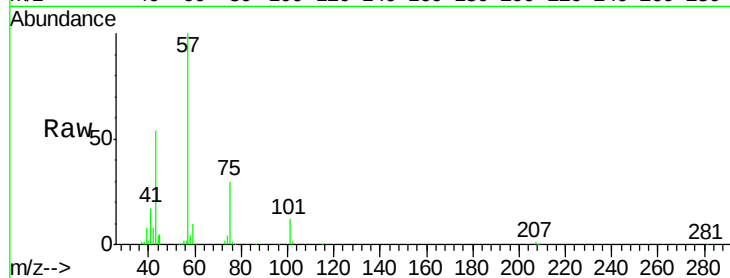
ClientSampleId :

Tot Ion: 43 Resp: 56993

Ion Ratio Lower Upper

43 100

58 8.0 33.0 49.6#



#54

cis-1,3-Dichloropropene

Concen: 6.503 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

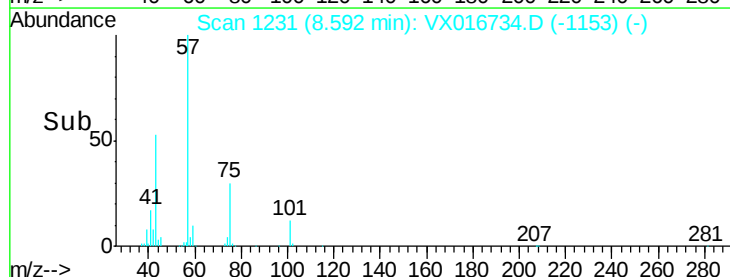
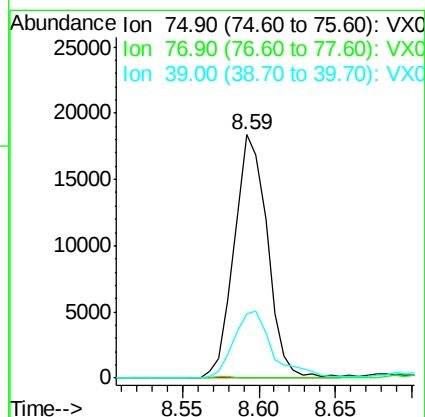
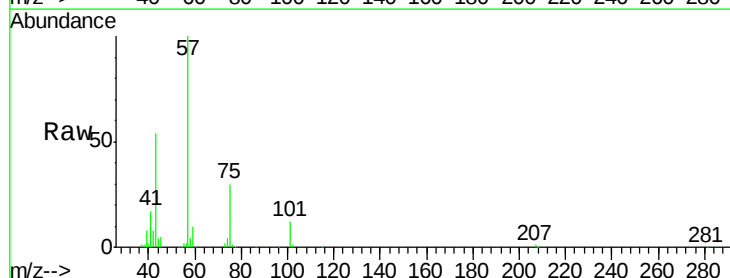
Tgt Ion: 75 Resp: 27723

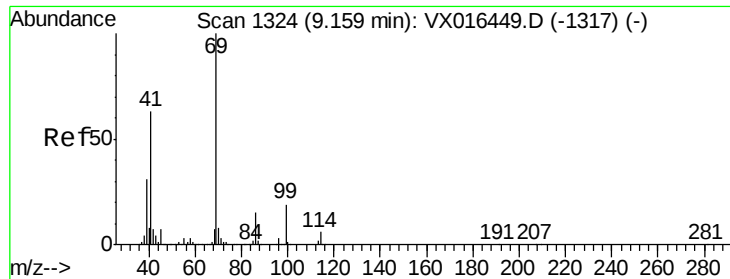
Ion Ratio Lower Upper

75 100

77 0.3 24.6 36.8#

39 26.3 35.3 52.9#

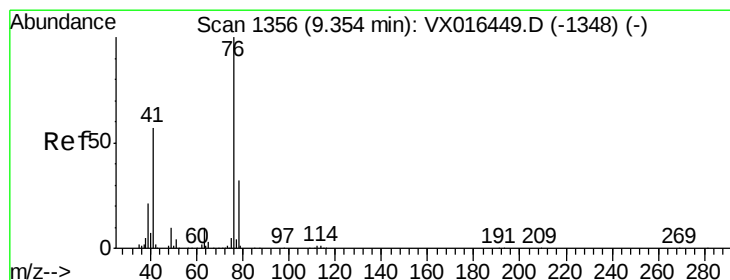
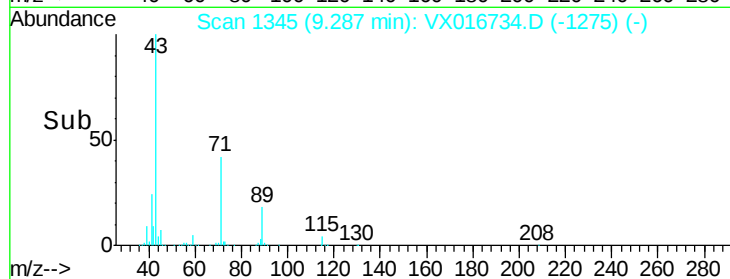
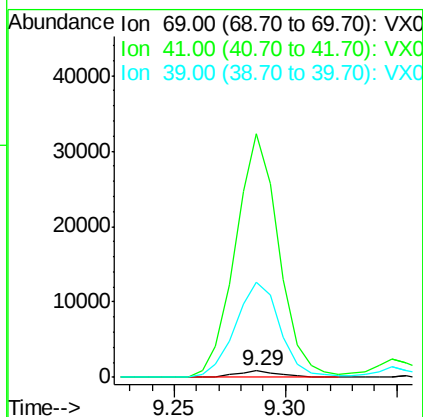
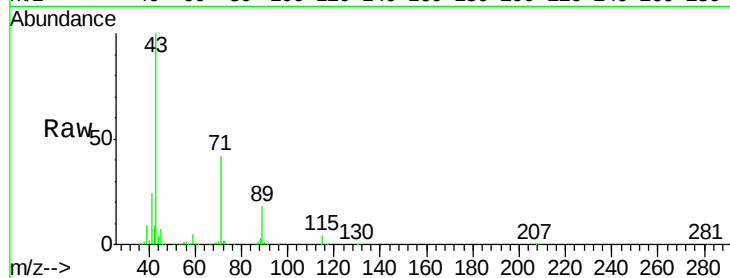




#56
Ethyl methacrylate
Concen: 0.296 ug/l
RT: 9.29 min Scan# 1345
Delta R.T. 0.13 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

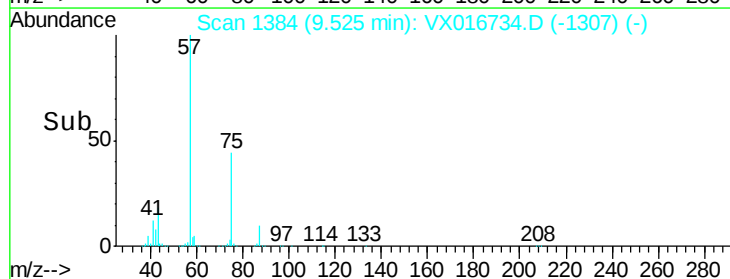
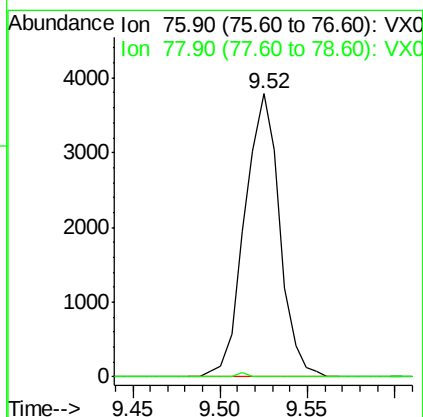
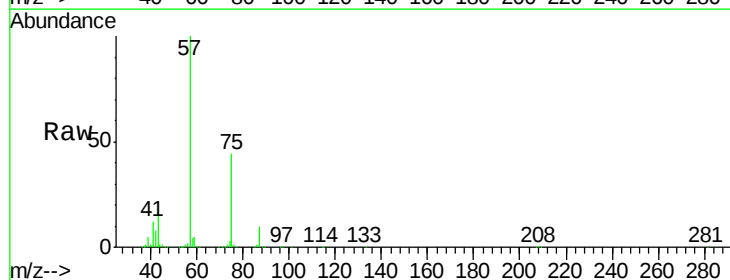
Instrument :
MSVOA_X
ClientSampleId :

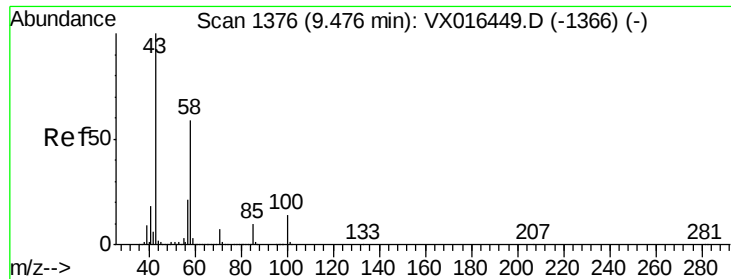
Tot Ion: 69 Resp: 1210
Ion Ratio Lower Upper
69 100
41 3632.6 50.7 76.1#
39 1482.3 25.8 38.6#



#57
1,3-Dichloropropane
Concen: 1.221 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.17 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion: 76 Resp: 5257
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.4#

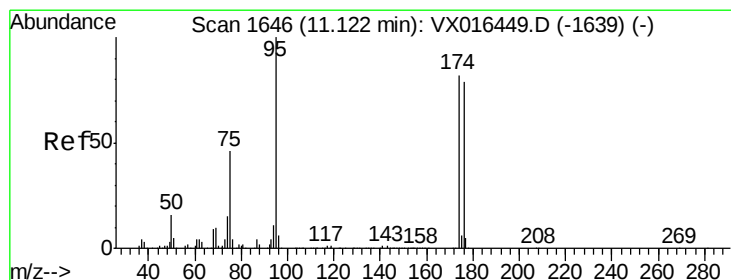
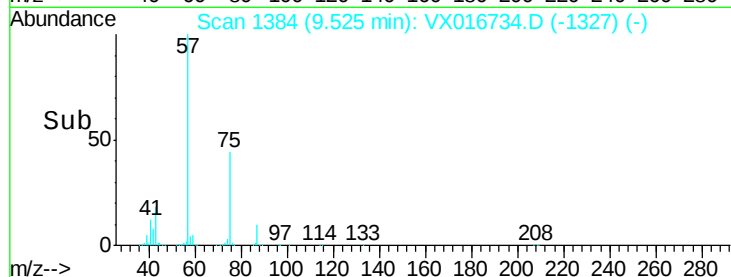
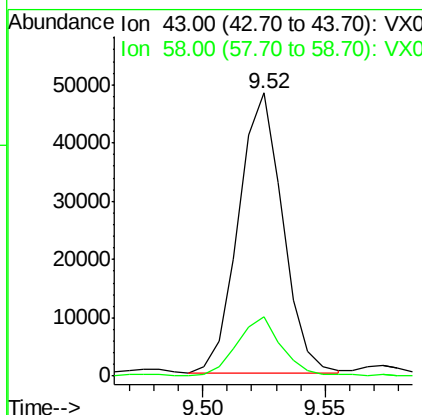
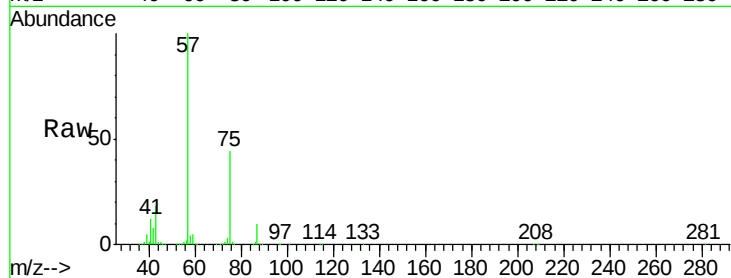




#59
2-Hexanone
Concen: 19.798 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

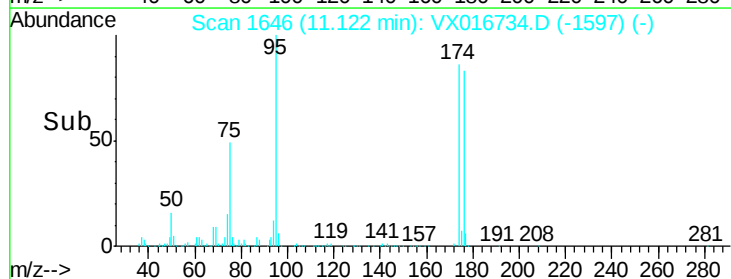
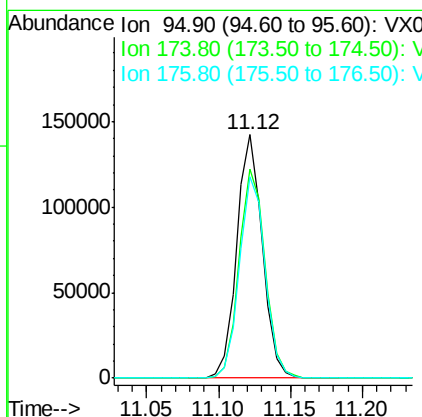
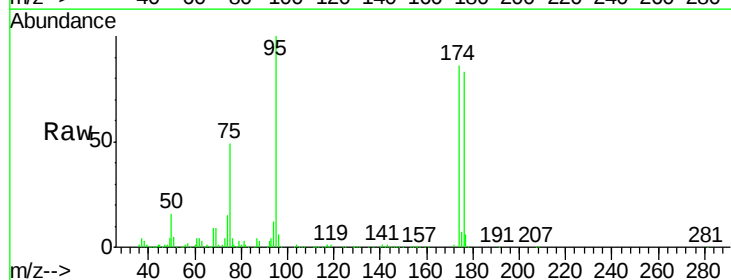
Instrument :
MSVOA_X
ClientSampled :

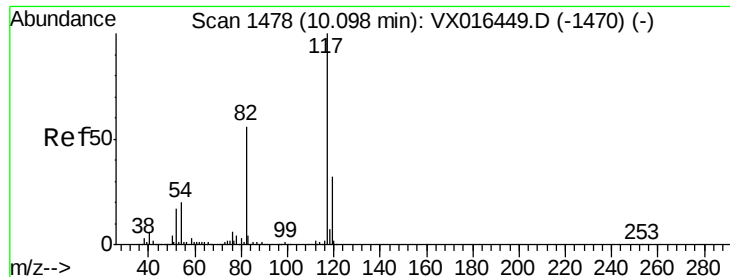
Tot Ion: 43 Resp: 60310
Ion Ratio Lower Upper
43 100
58 22.1 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 53.616 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion: 95 Resp: 176163
Ion Ratio Lower Upper
95 100
174 87.2 0.0 163.0
176 83.2 0.0 156.8

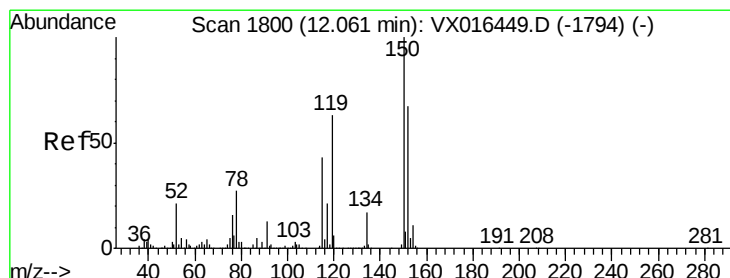
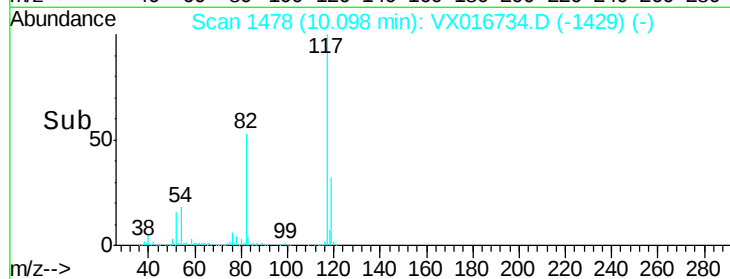
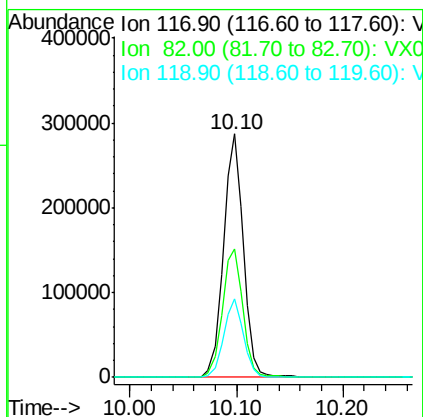
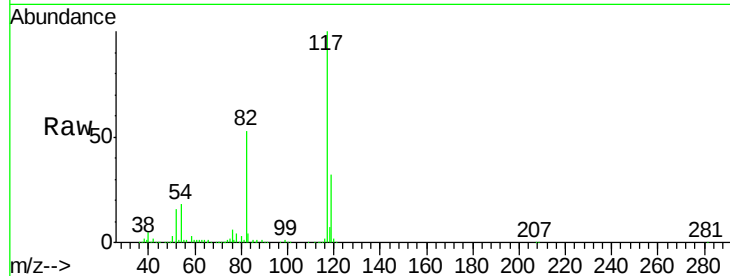




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

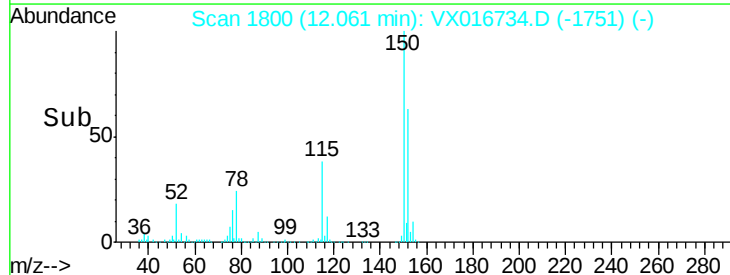
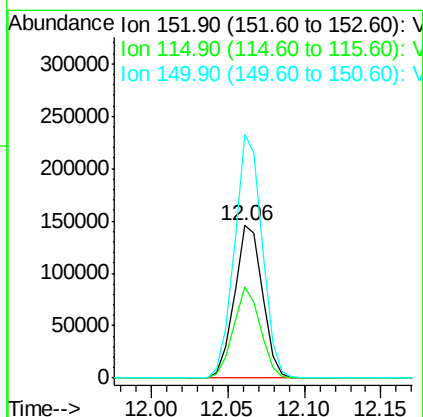
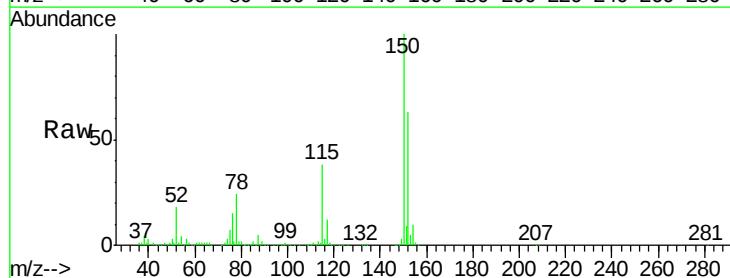
Instrument :
MSVOA_X
ClientSampleId :

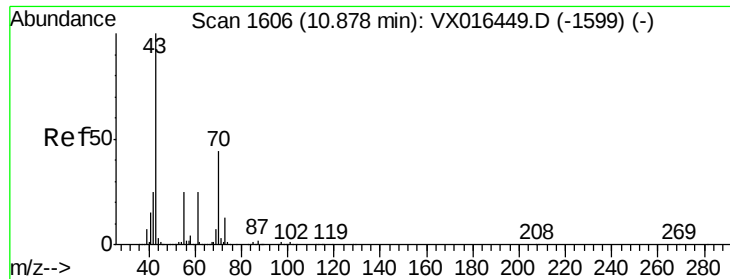
Tot Ion:117 Resp: 373744
Ion Ratio Lower Upper
117 100
82 52.5 45.0 67.6
119 32.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016734.D
Acq: 12 Jun 2020 17:26

Tgt Ion:152 Resp: 184787
Ion Ratio Lower Upper
152 100
115 57.6 39.9 119.6
150 157.6 0.0 341.0





#74

N-amvl acetate

Concen: 0.556 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 3276

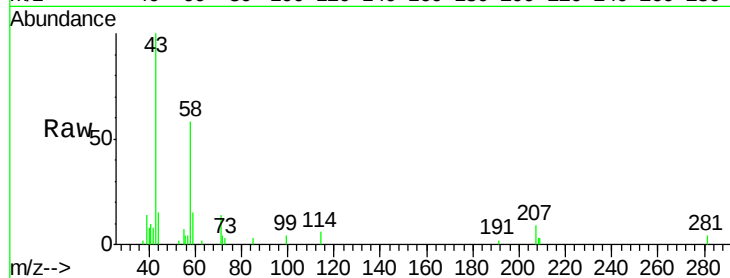
Ion Ratio Lower Upper

43 100

70 0.0 36.1 54.1#

55 10.2 20.2 30.4#

61 0.0 20.3 30.5#

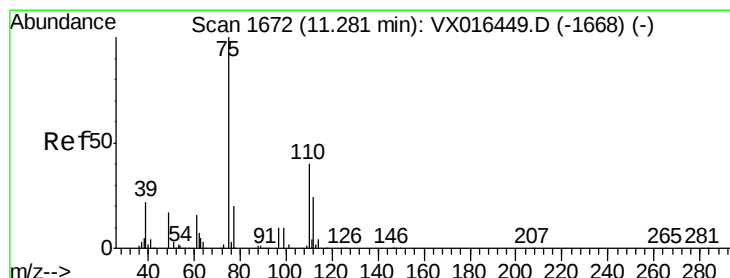
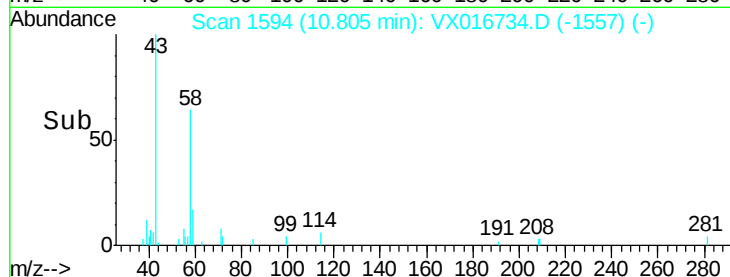
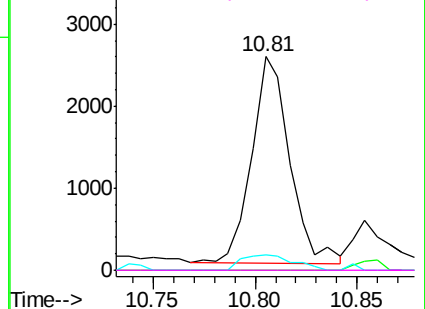


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.077 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016734.D

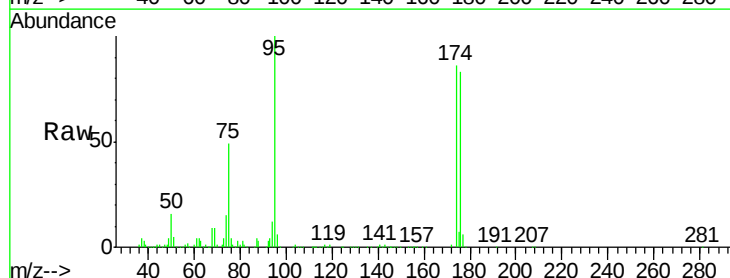
Acq: 12 Jun 2020 17:26

Tgt Ion: 75 Resp: 85607

Ion Ratio Lower Upper

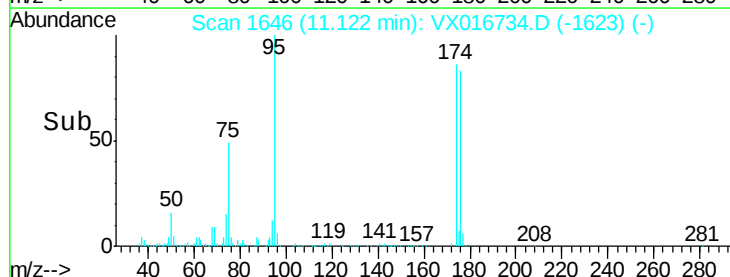
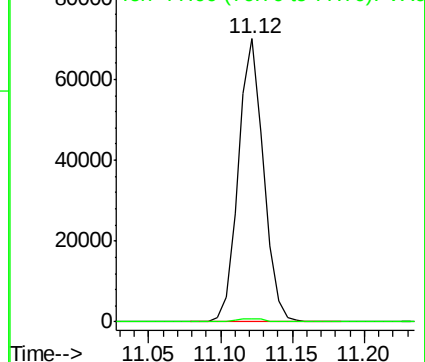
75 100

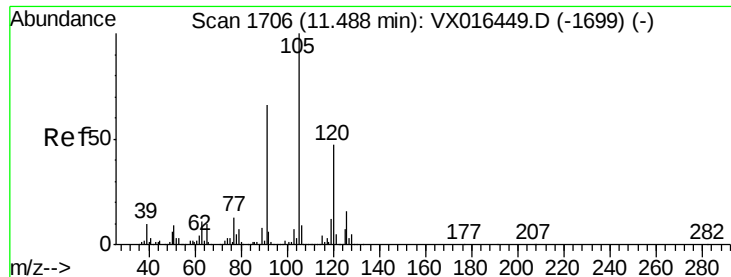
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.236 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

Instrument :

MSVOA_X

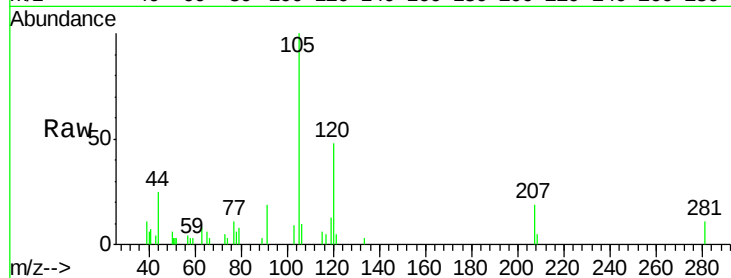
ClientSampleId :

Tot Ion:105 Resp: 2525

Ion Ratio Lower Upper

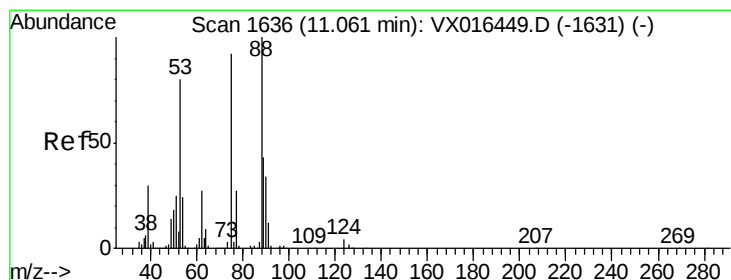
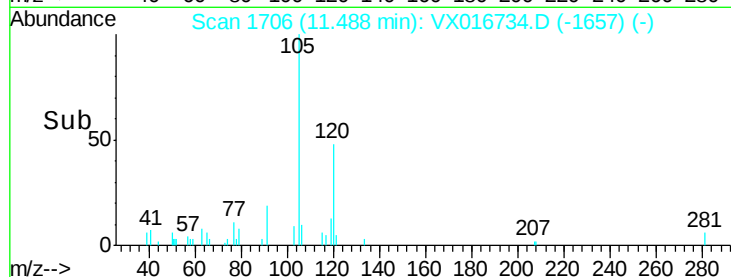
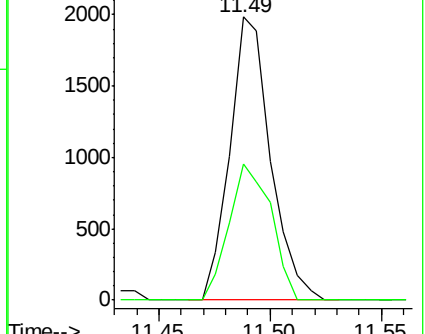
105 100

120 49.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 51.845 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016734.D

Acq: 12 Jun 2020 17:26

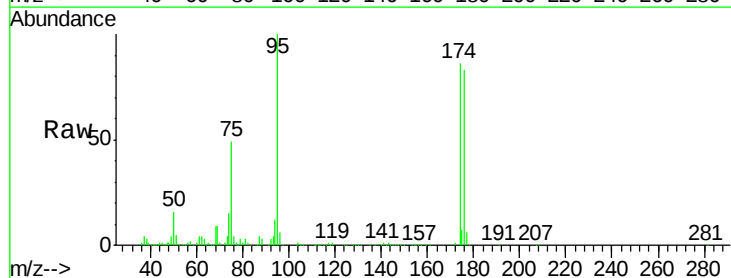
Tgt Ion: 75 Resp: 85607

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

