

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020048.D
 Acq On : 16 Dec 2020 06:07
 Operator : JC/MD
 Sample : L5088-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

Quant Time: Dec 16 06:59:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	309371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	520812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	492386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202725	49.86	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.72%		
35) Dibromofluoromethane	5.46	113	164233	48.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.58%		
50) Toluene-d8	8.70	98	649102	50.51	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.02%		
62) 4-Bromofluorobenzene	11.12	95	228683	46.76	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.52%		

Target Compounds

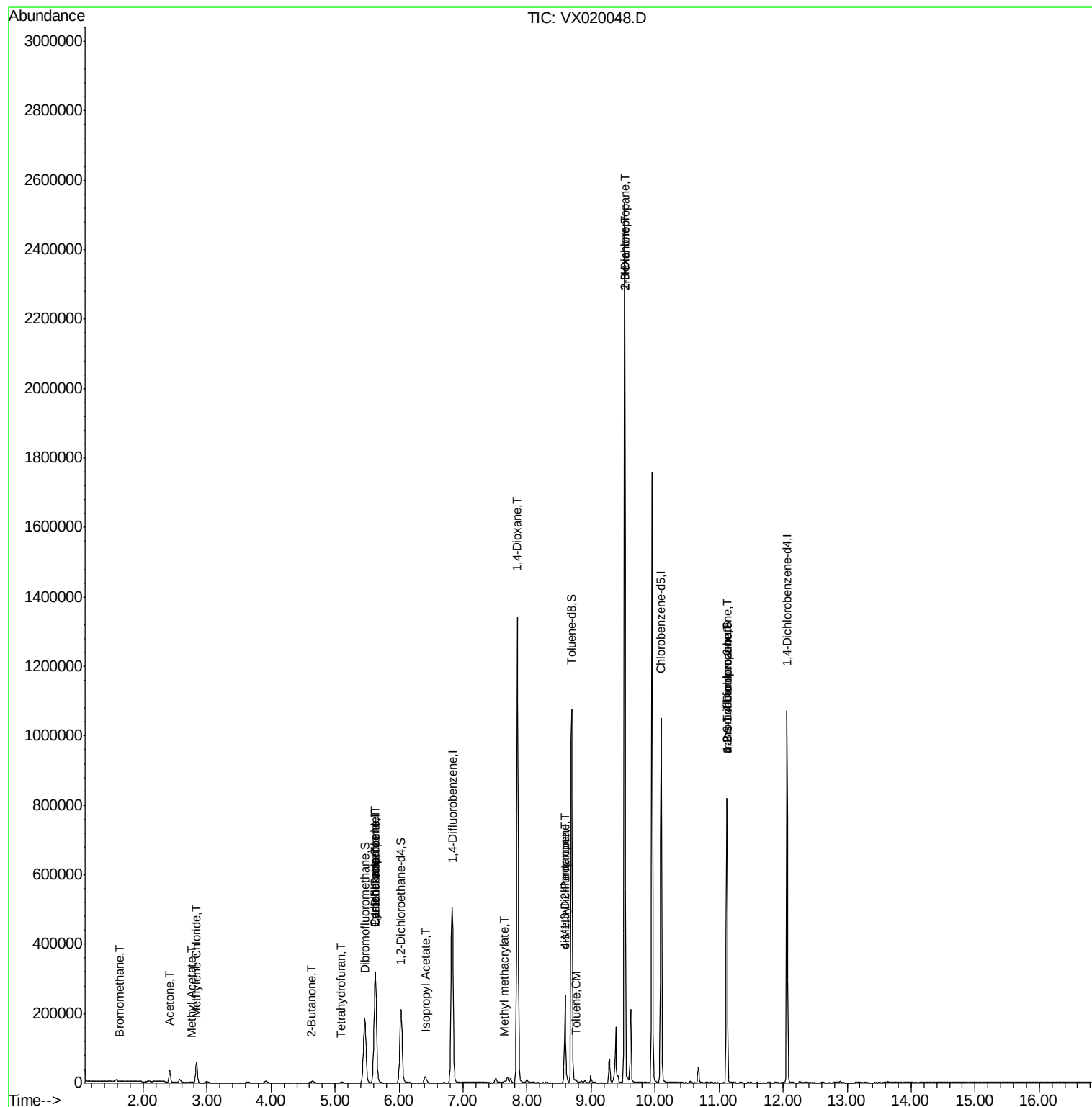
					Qvalue
5) Bromomethane	1.63	94	334	0.286	ug/l 93
16) Acetone	2.42	43	34511	22.581	ug/l 100
18) Methyl Acetate	2.75	43	1675	0.448	ug/l 98
20) Methylene Chloride	2.84	84	29091	7.118	ug/l 99
25) 2-Butanone	4.64	43	5068	2.158	ug/l # 89
29) Tetrahydrofuran	5.09	42	555	0.367	ug/l # 60
31) Cyclohexane	5.63	56	5885	1.164	ug/l # 1
36) 1,1-Dichloropropene	5.62	75	24065	5.113	ug/l # 48
38) Carbon Tetrachloride	5.63	117	30786	6.680	ug/l # 16
43) Isopropyl Acetate	6.41	43	23369	3.025	ug/l 99
48) Methyl methacrylate	7.65	41	6887	1.813	ug/l # 10
49) 1,4-Dioxane	7.84	88	191	2.075	ug/l # 1
51) 4-Methyl-2-Pentanone	8.59	43	82350	17.460	ug/l # 47
52) Toluene	8.76	92	2151	0.239	ug/l 95
54) cis-1,3-Dichloropropene	8.59	75	41798	7.201	ug/l # 60
57) 1,3-Dichloropropane	9.52	76	22680	3.666	ug/l # 43
59) 2-Hexanone	9.52	43	277802	75.986	ug/l # 46
76) 1,2,3-Trichloropropane	11.12	75	110631	22.668	ug/l # 39
81) trans-1,4-Dichloro-2-buten	11.12	75	110631	65.528	ug/l # 12

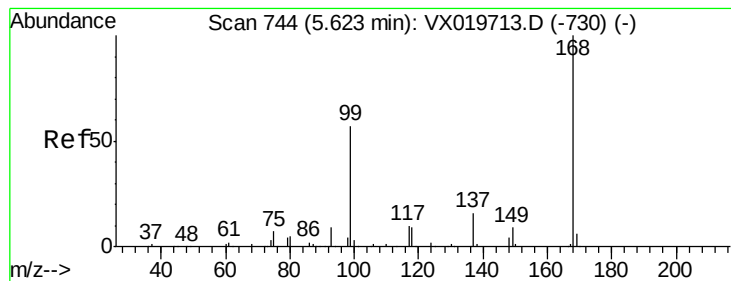
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

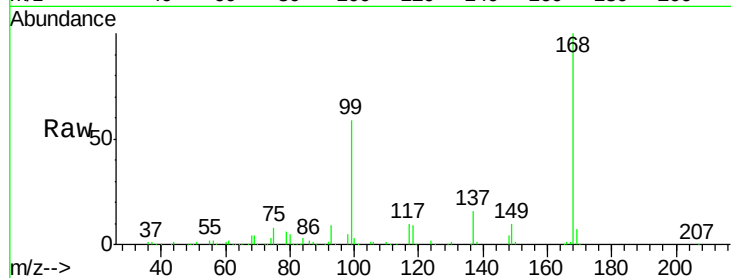
TR2-D-BOTTOM

Tgt Ion:168 Resp: 309371

Ion Ratio Lower Upper

168 100

99 59.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

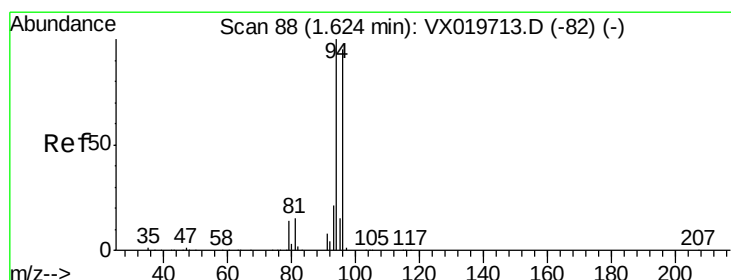
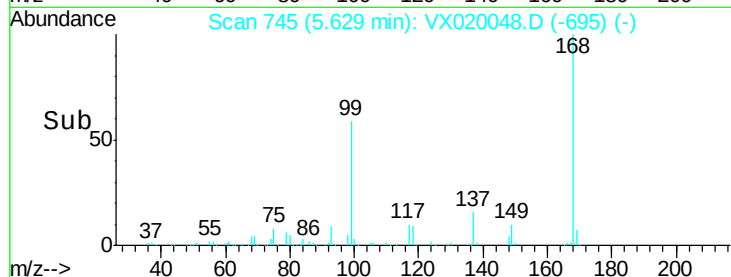
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.286 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020048.D

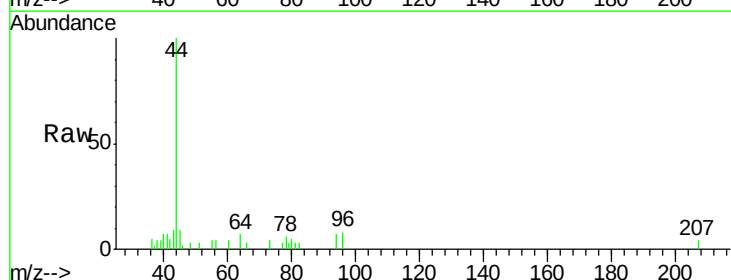
Acq: 16 Dec 2020 06:07

Tgt Ion: 94 Resp: 334

Ion Ratio Lower Upper

94 100

96 102.7 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

200

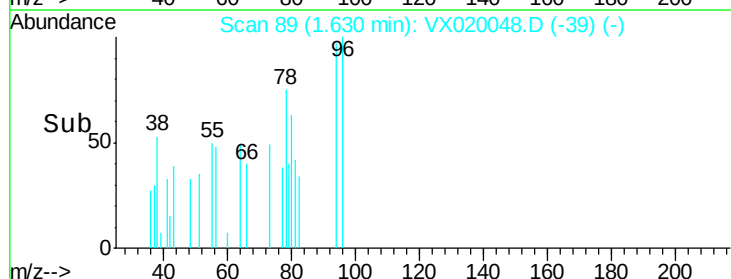
150

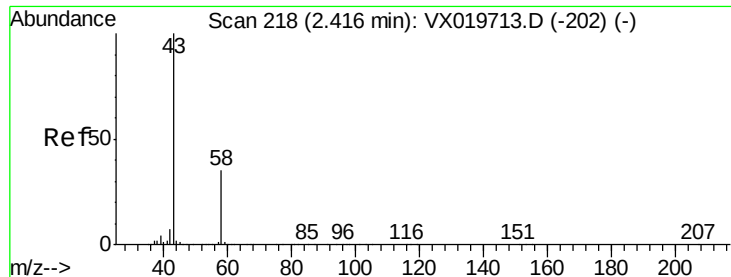
100

50

0

Time-->





#16

Acetone

Concen: 22.581 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

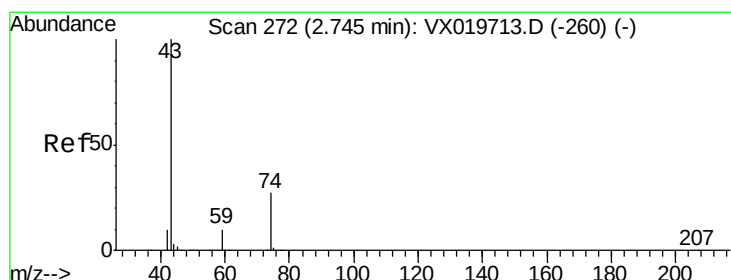
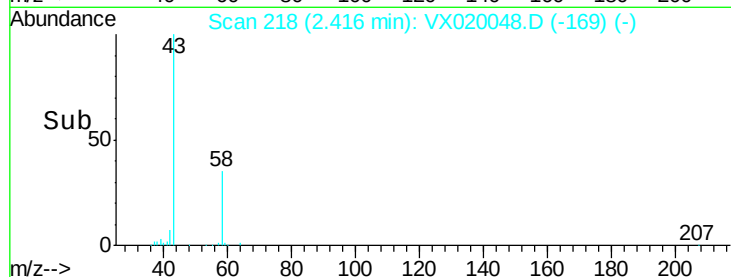
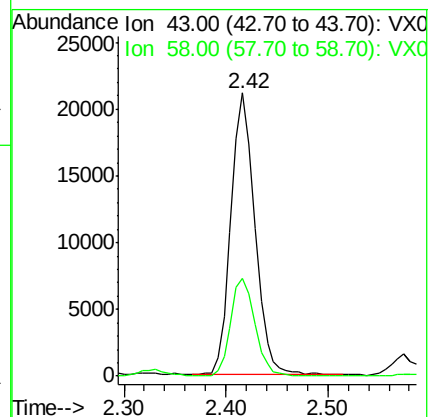
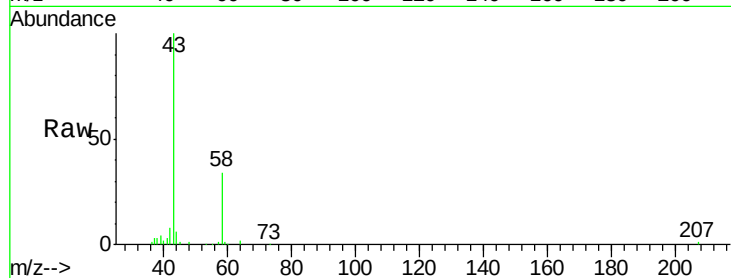
TR2-D-BOTTOM

Tgt Ion: 43 Resp: 34511

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.8



#18

Methyl Acetate

Concen: 0.448 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX020048.D

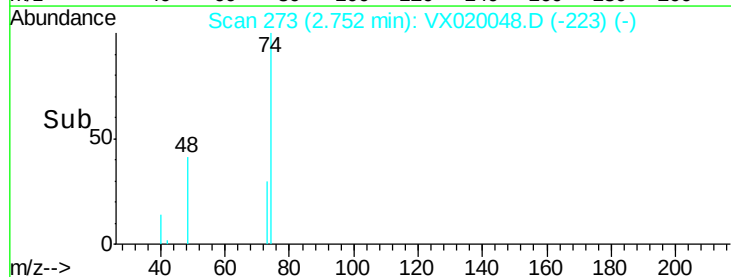
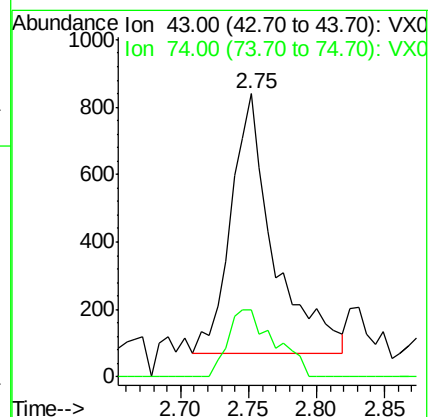
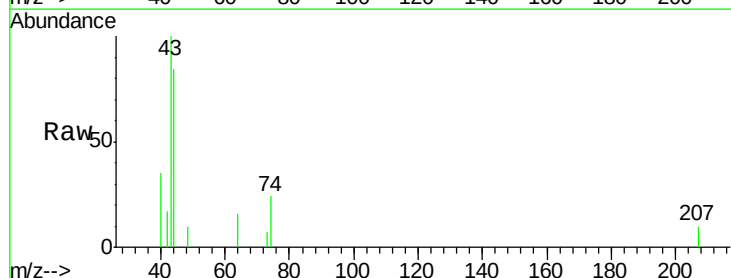
Acq: 16 Dec 2020 06:07

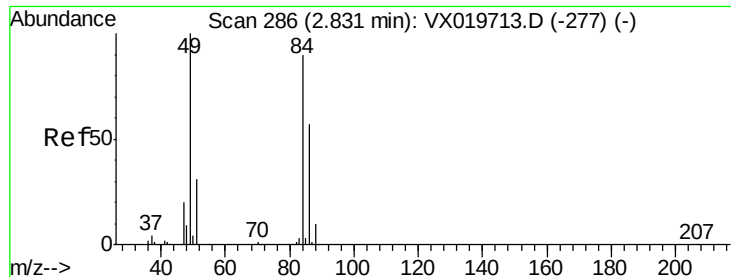
Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

74 28.5 21.9 32.9

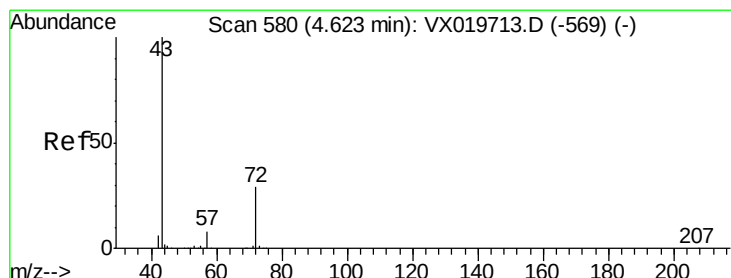
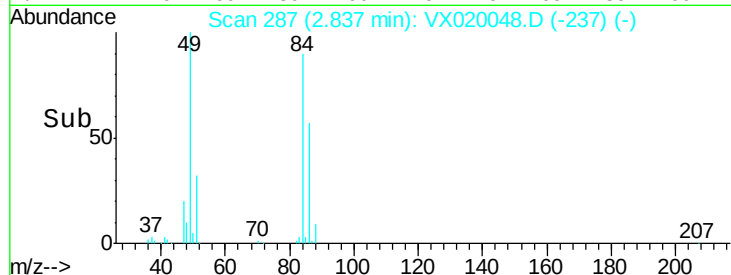
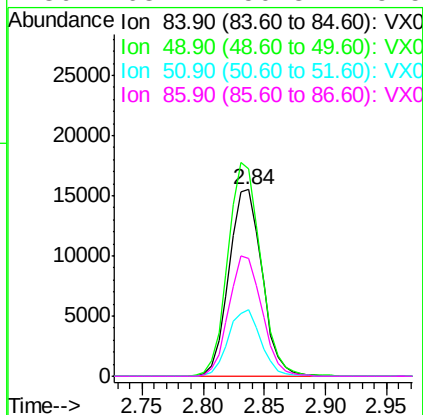
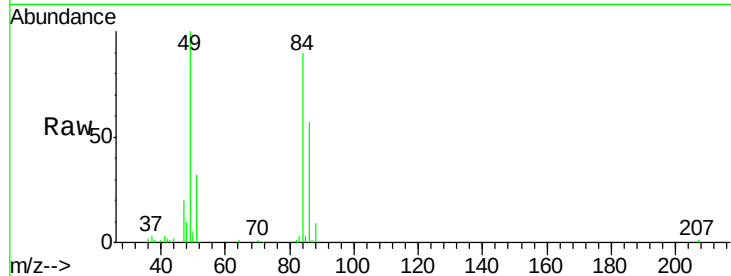




#20
Methylene Chloride
Concen: 7.118 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

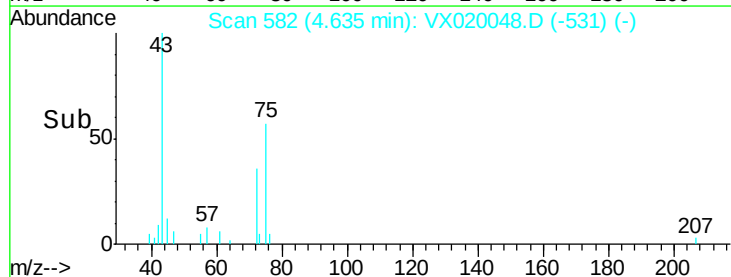
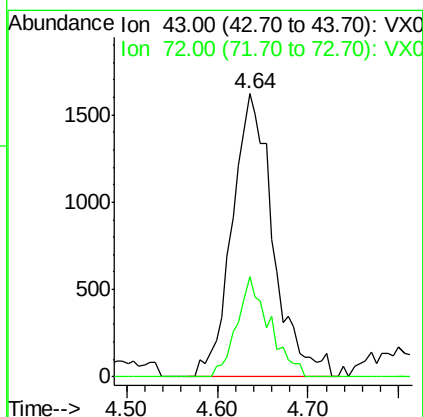
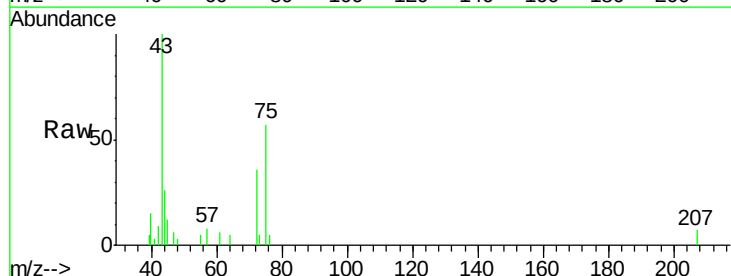
Instrument :
MSVOA_X
ClientSampled :
TR2-D-BOTTOM

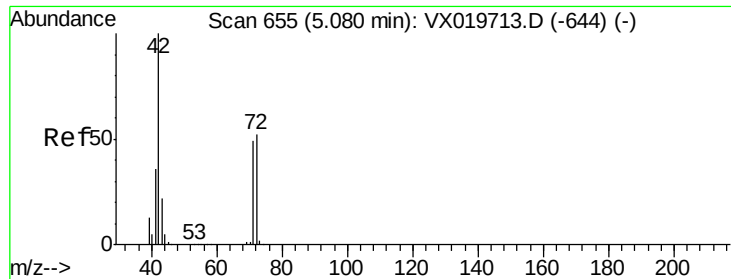
Tgt Ion: 84 Resp: 29091
Ion Ratio Lower Upper
84 100
49 111.2 88.6 132.8
51 35.7 27.0 40.6
86 63.1 50.3 75.5



#25
2-Butanone
Concen: 2.158 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

Tgt Ion: 43 Resp: 5068
Ion Ratio Lower Upper
43 100
72 35.6 23.7 35.5#

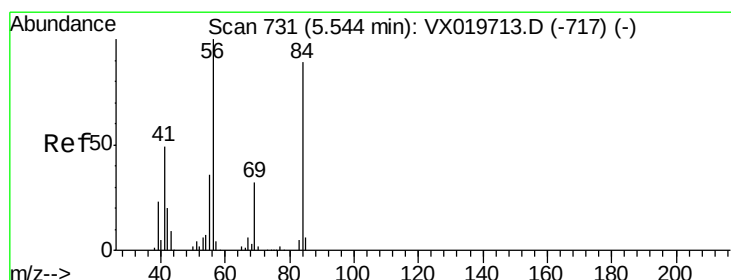
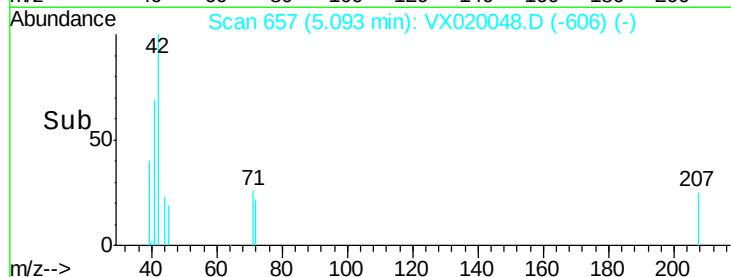
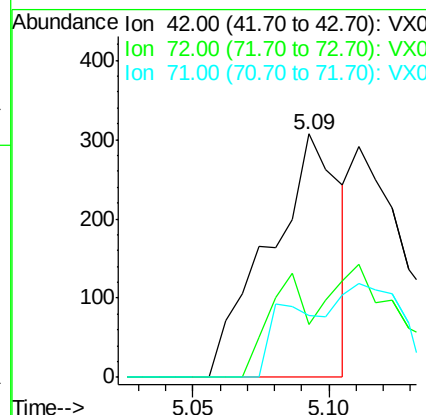
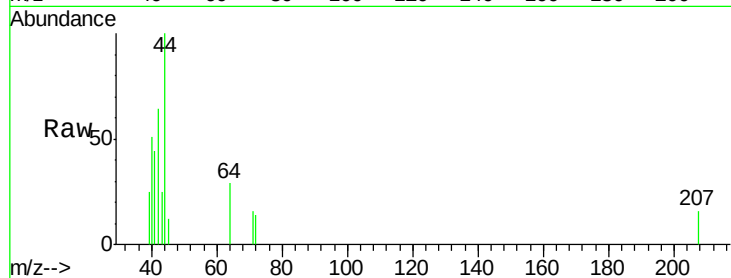




#29
Tetrahydrofuran
Concen: 0.367 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

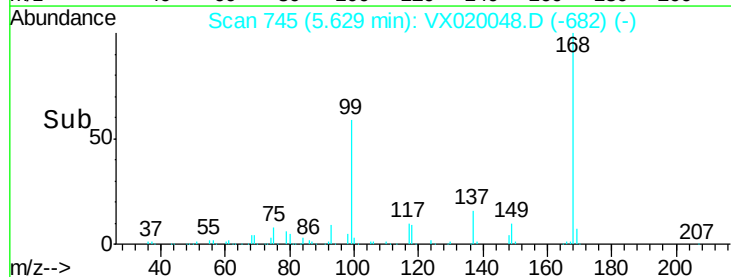
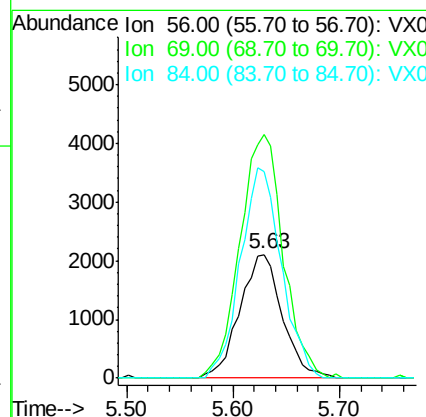
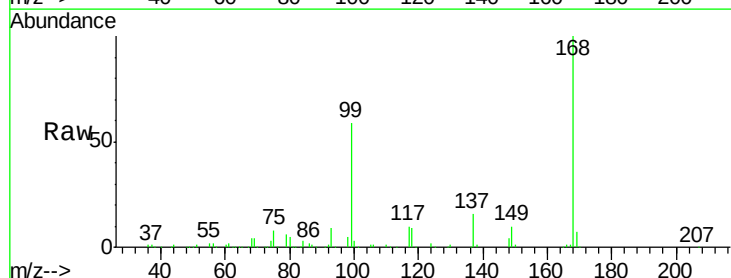
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

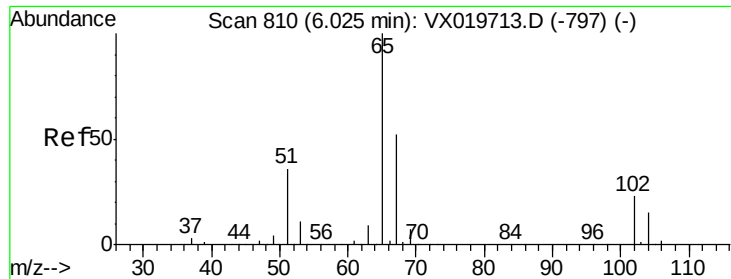
Tgt Ion: 42 Resp: 555
Ion Ratio Lower Upper
42 100
72 23.1 41.7 62.5#
71 22.2 38.4 57.6#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

Tgt Ion: 56 Resp: 5885
Ion Ratio Lower Upper
56 100
69 197.5 25.3 37.9#
84 167.0 71.4 107.0#

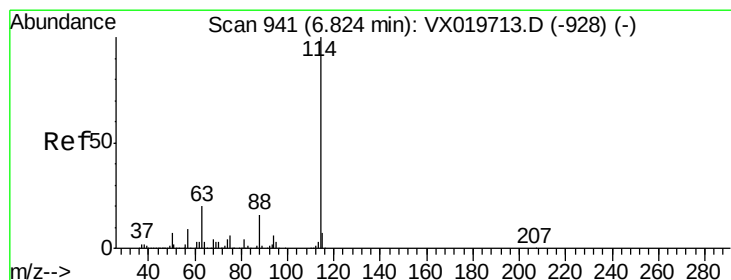
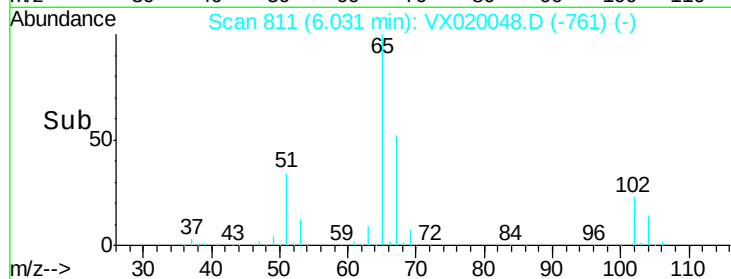
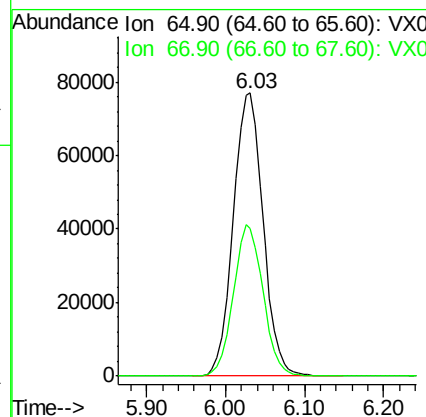
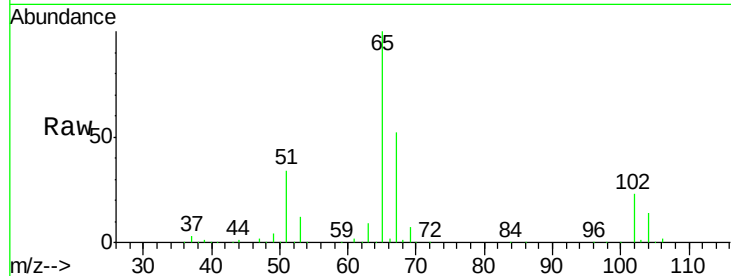




#33
 1,2-Dichloroethane-d4
 Concen: 49.858 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX020048.D
 Acq: 16 Dec 2020 06:07

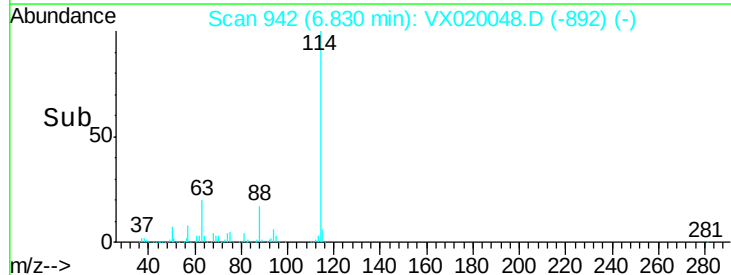
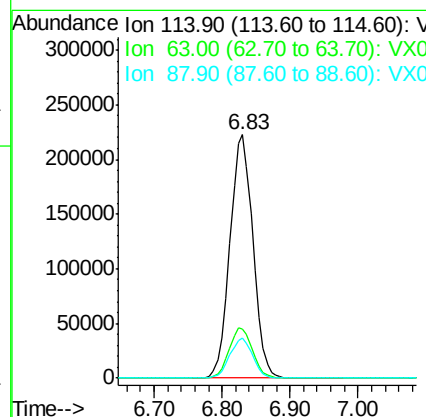
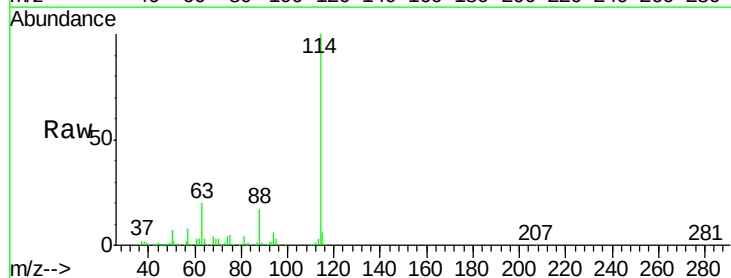
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

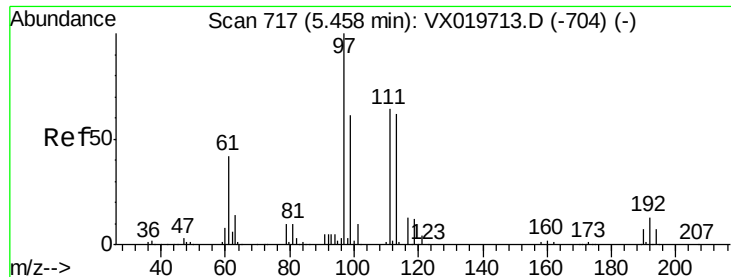
Tgt Ion: 65 Resp: 202725
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020048.D
 Acq: 16 Dec 2020 06:07

Tgt Ion: 114 Resp: 520812
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 16.7 0.0 32.8

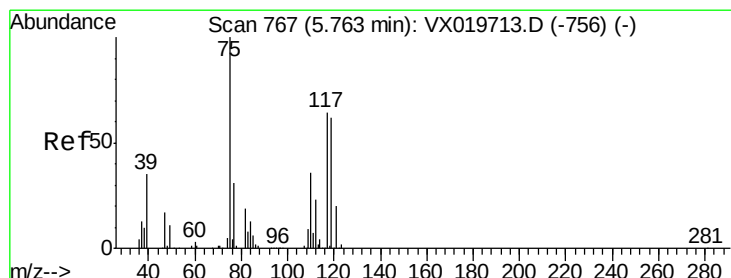
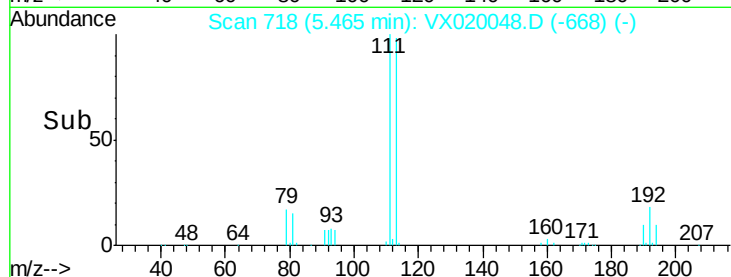
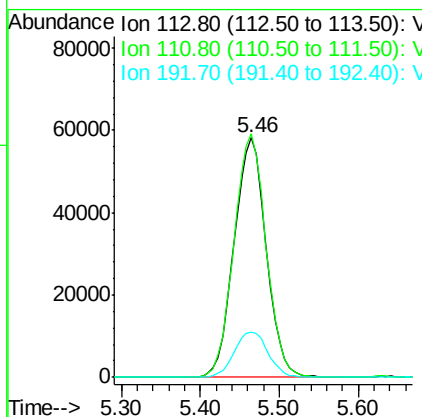
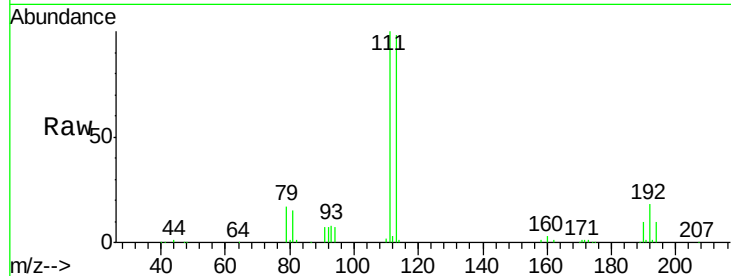




#35
 Dibromofluoromethane
 Concen: 48.793 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020048.D
 Acq: 16 Dec 2020 06:07

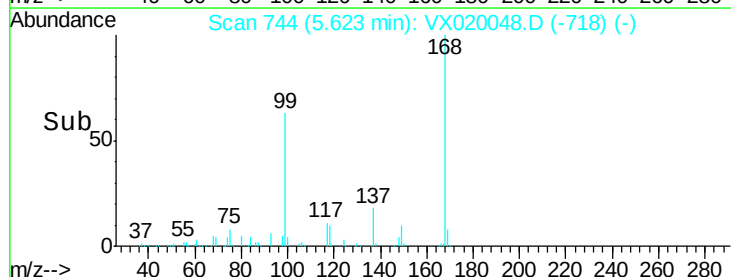
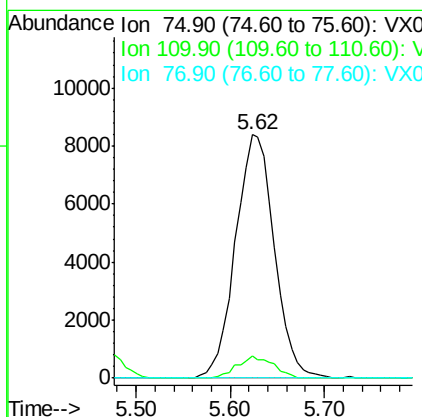
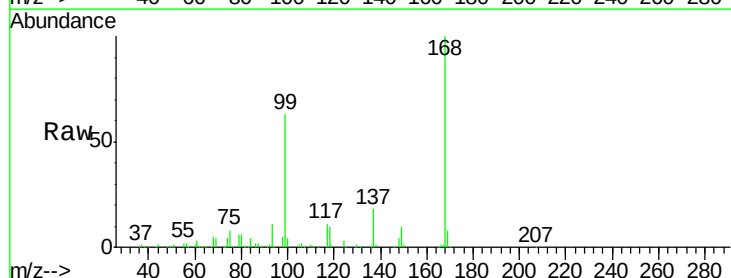
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

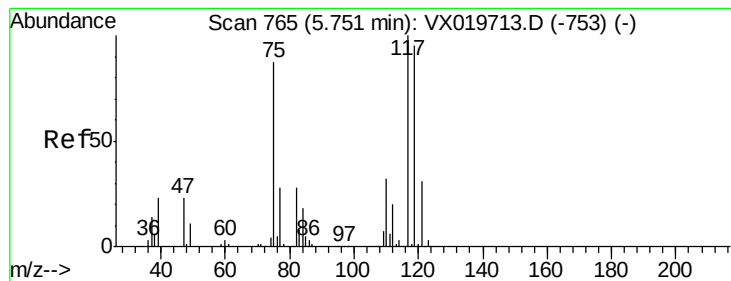
Tgt Ion:113 Resp: 164233
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 19.8 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020048.D
 Acq: 16 Dec 2020 06:07

Tgt Ion: 75 Resp: 24065
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.680 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-BOTTOM

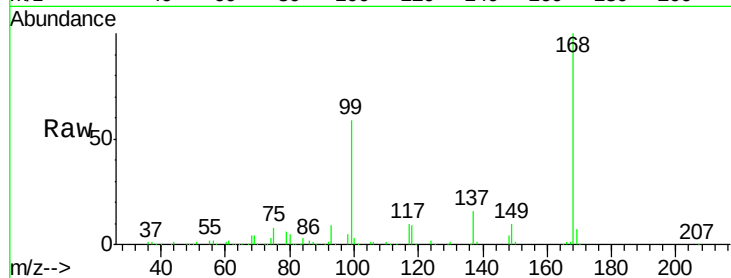
Tgt Ion: 117 Resp: 30786

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

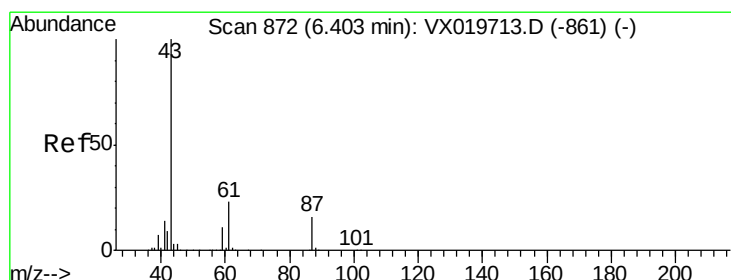
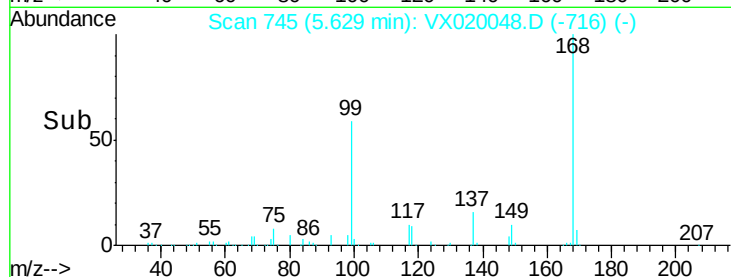
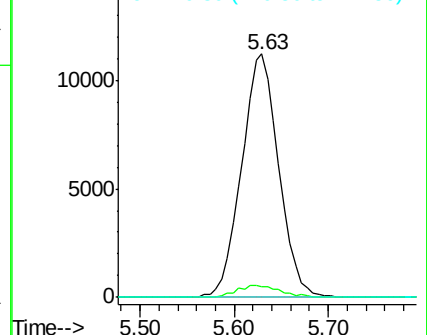
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.025 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

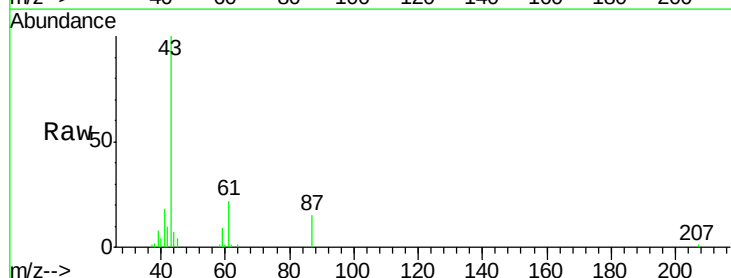
Tgt Ion: 43 Resp: 23369

Ion Ratio Lower Upper

43 100

61 22.4 18.2 27.4

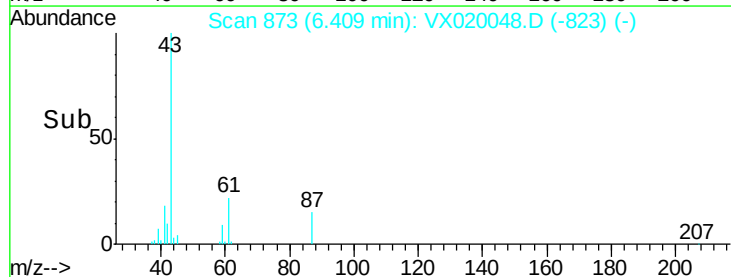
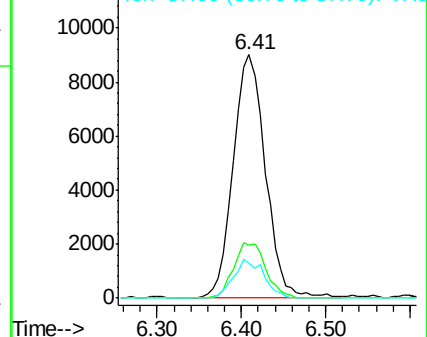
87 15.0 12.5 18.7

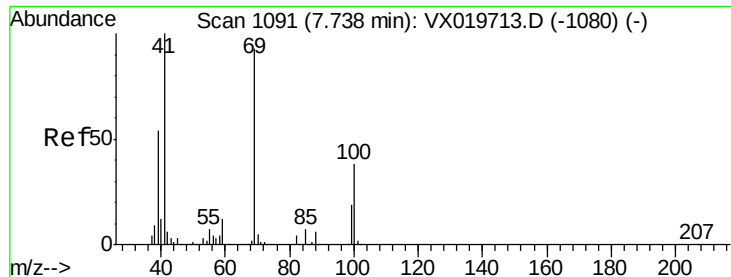


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

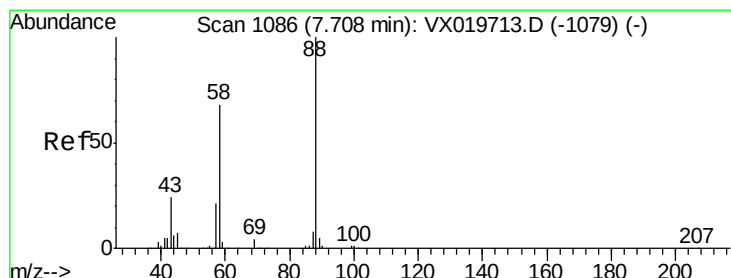
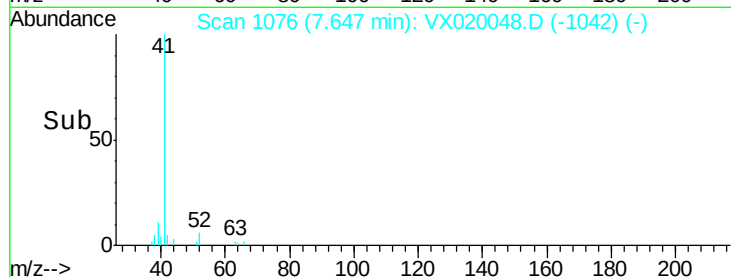
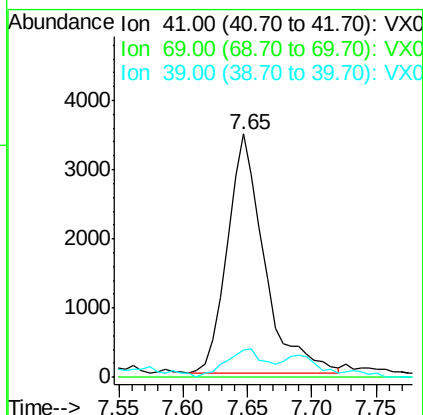
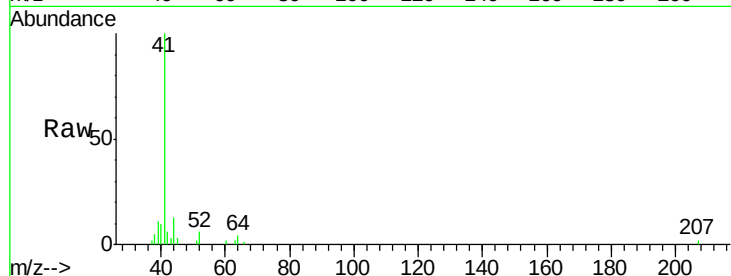




#48
Methyl methacrylate
Concen: 1.813 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

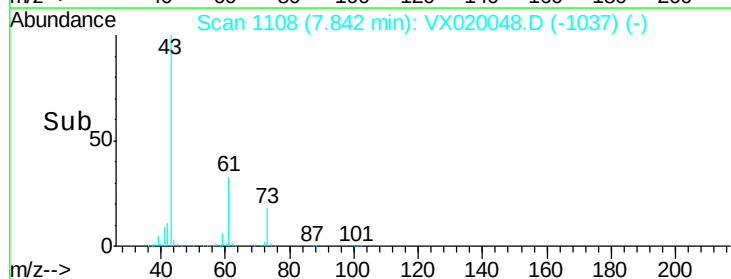
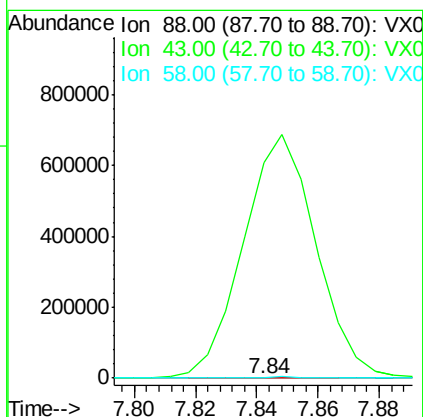
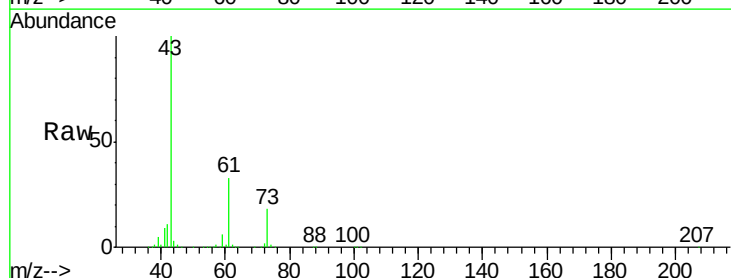
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

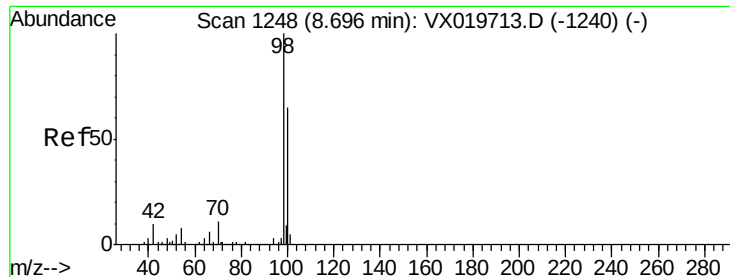
Tgt Ion: 41 Resp: 6887
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.075 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 600637.2 23.2 34.8#
58 3252.9 55.0 82.4#

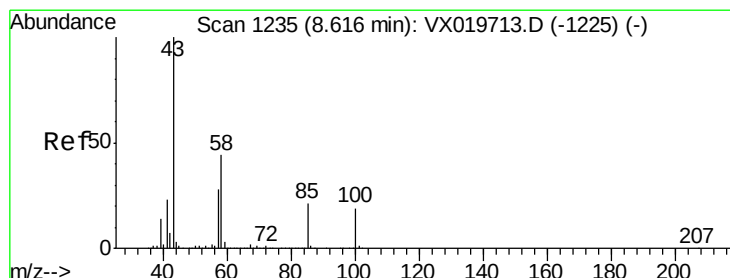
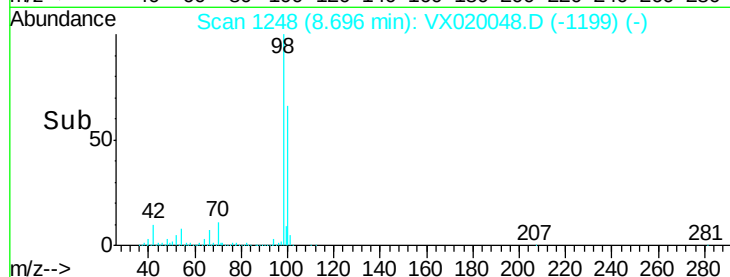
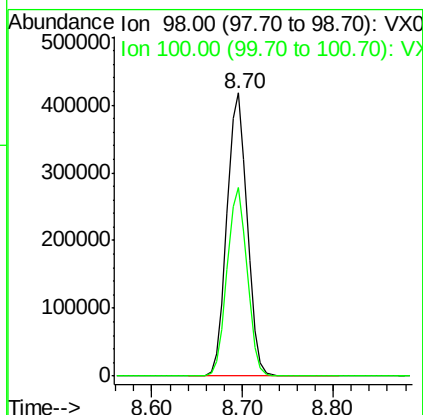
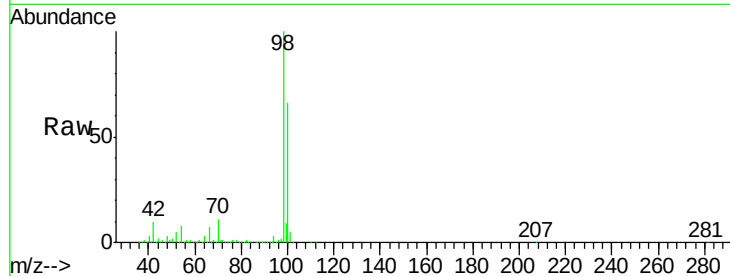




#50
Toluene-d8
Concen: 50.513 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

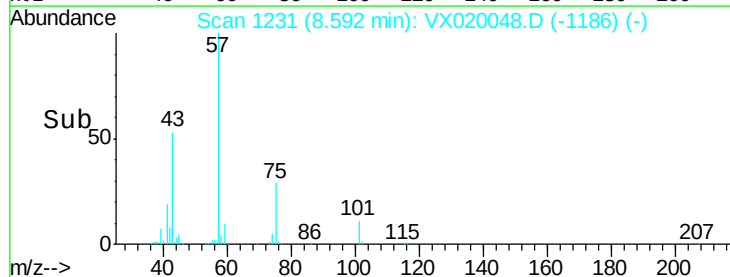
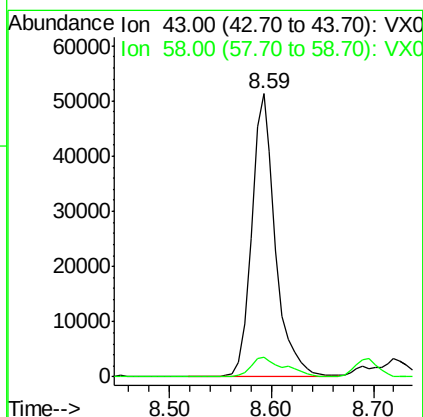
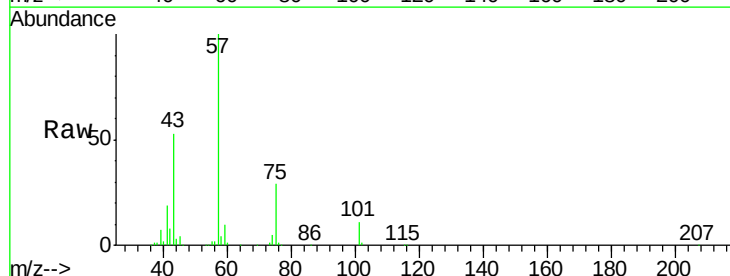
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-BOTTOM

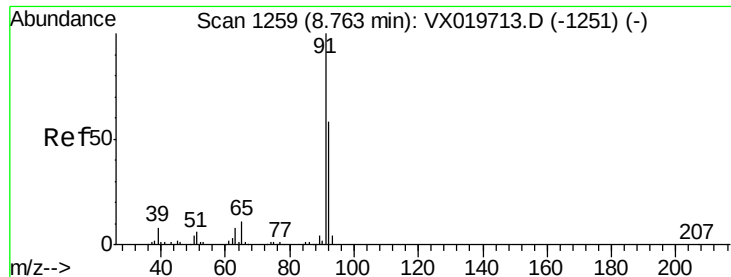
Tgt Ion: 98 Resp: 649102
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 17.460 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX020048.D
Acq: 16 Dec 2020 06:07

Tgt Ion: 43 Resp: 82350
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#





#52

Toluene

Concen: 0.239 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

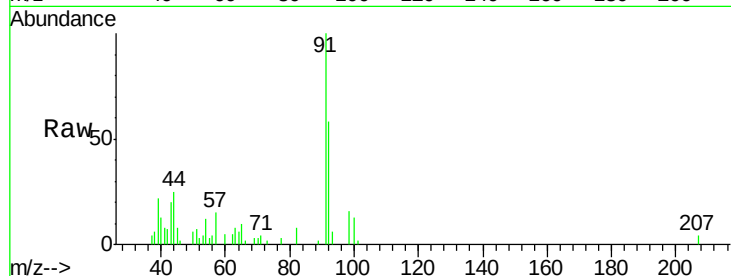
TR2-D-BOTTOM

Tgt Ion: 92 Resp: 2151

Ion Ratio Lower Upper

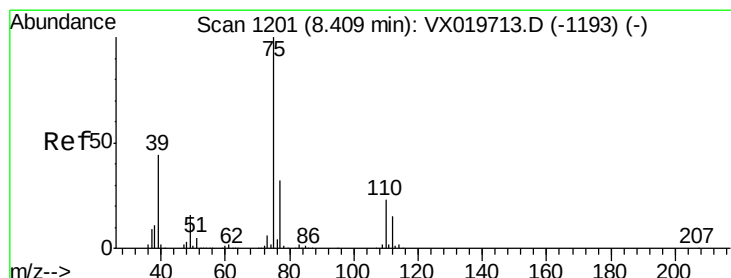
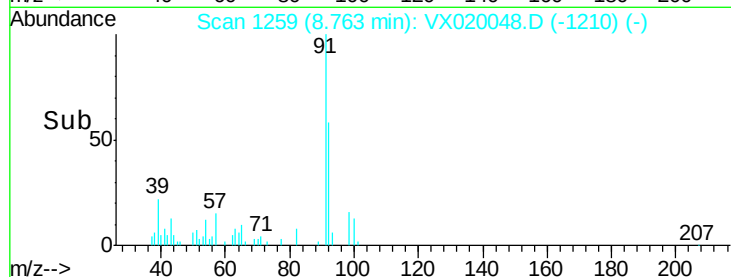
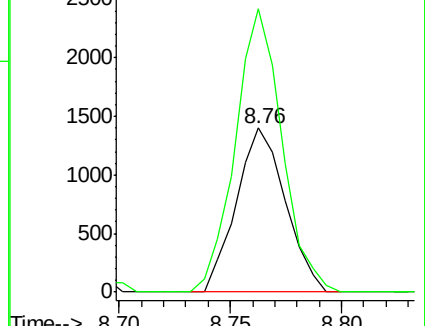
92 100

91 164.2 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 7.201 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

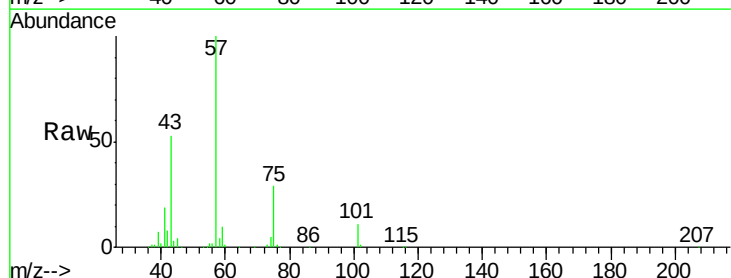
Tgt Ion: 75 Resp: 41798

Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

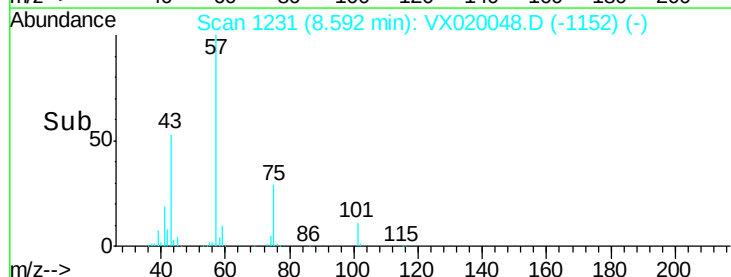
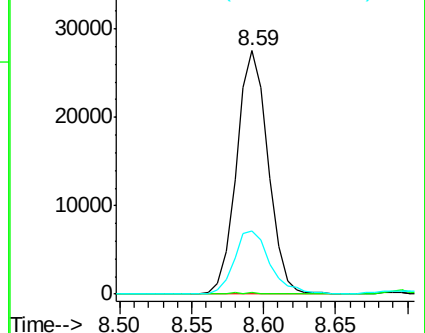
39 25.9 35.1 52.7#

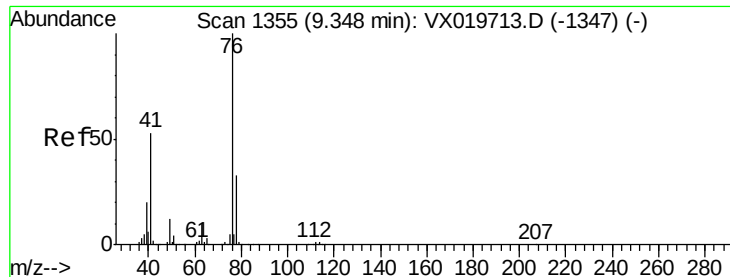


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

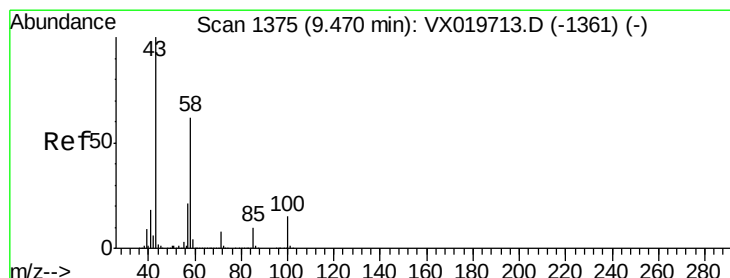
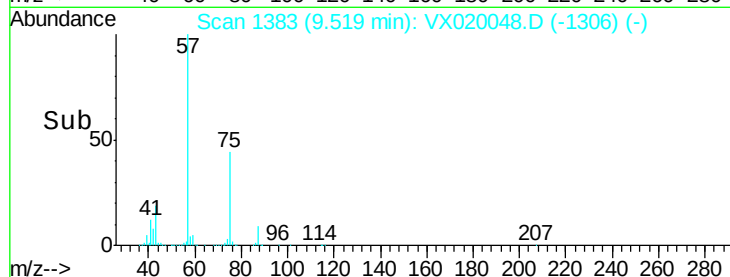
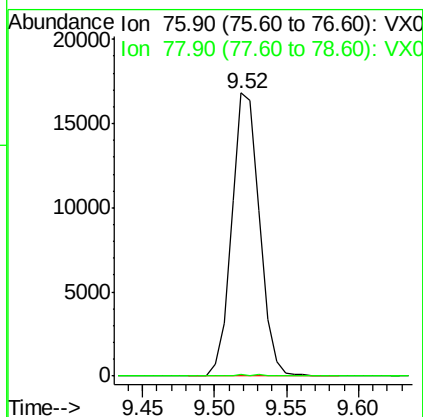
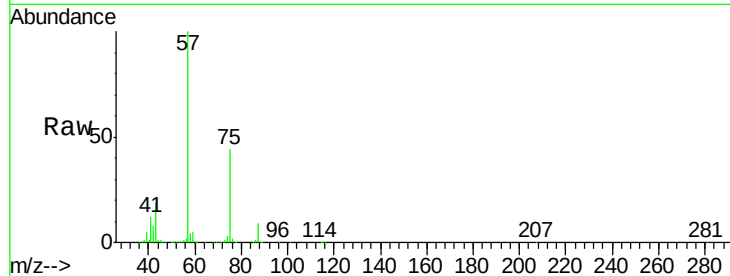




#57
 1,3-Dichloropropane
 Concen: 3.666 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX020048.D
 Acq: 16 Dec 2020 06:07

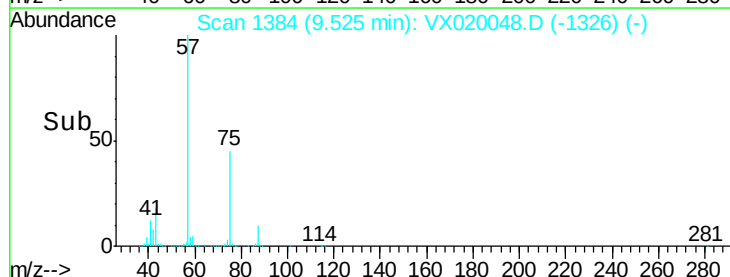
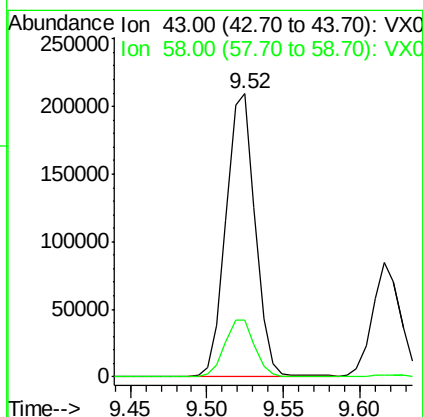
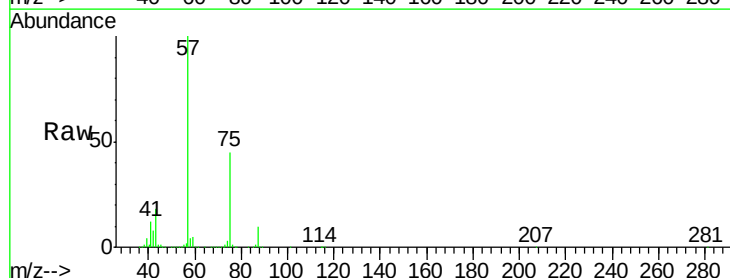
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-BOTTOM

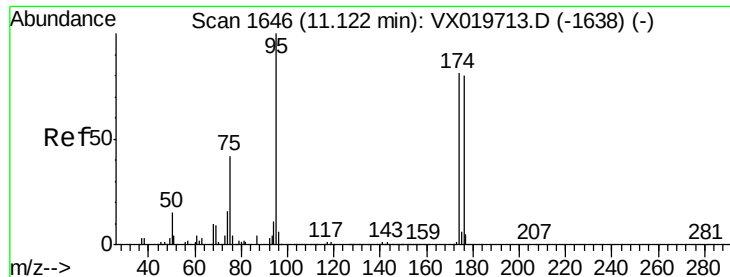
Tgt Ion: 76 Resp: 22680
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#



#59
 2-Hexanone
 Concen: 75.986 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX020048.D
 Acq: 16 Dec 2020 06:07

Tgt Ion: 43 Resp: 277802
 Ion Ratio Lower Upper
 43 100
 58 20.7 30.9 92.8#





#62

4-Bromofluorobenzene

Concen: 46.756 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-BOTTOM

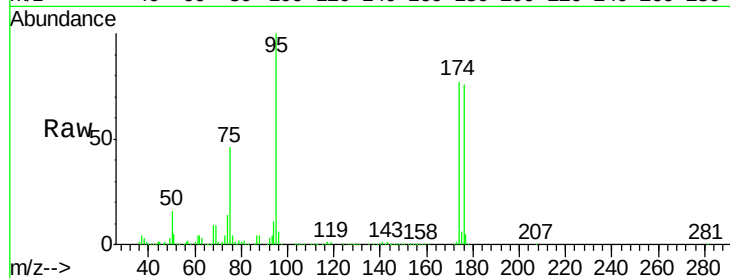
Tgt Ion: 95 Resp: 228683

Ion Ratio Lower Upper

95 100

174 75.8 0.0 154.6

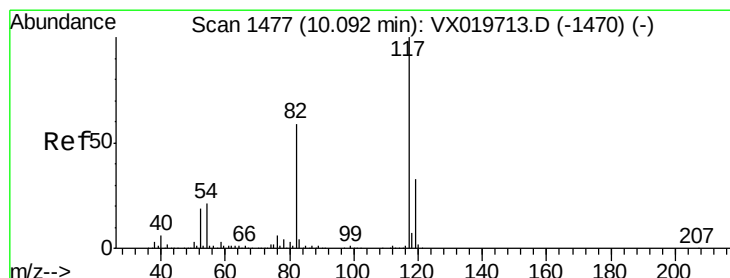
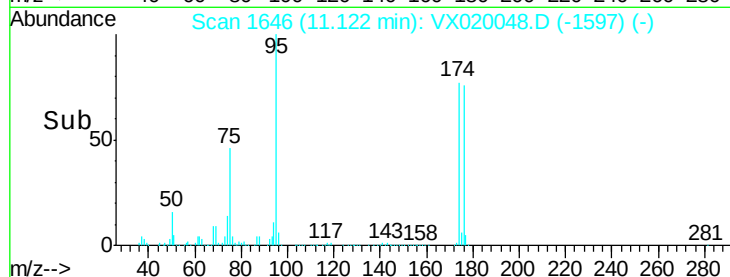
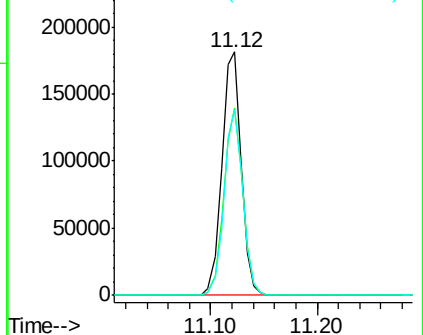
176 74.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

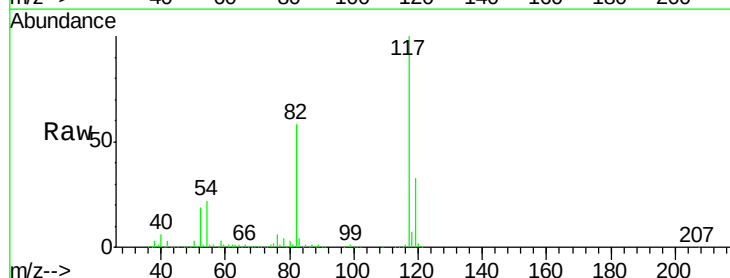
Tgt Ion: 117 Resp: 492386

Ion Ratio Lower Upper

117 100

82 57.6 47.4 71.2

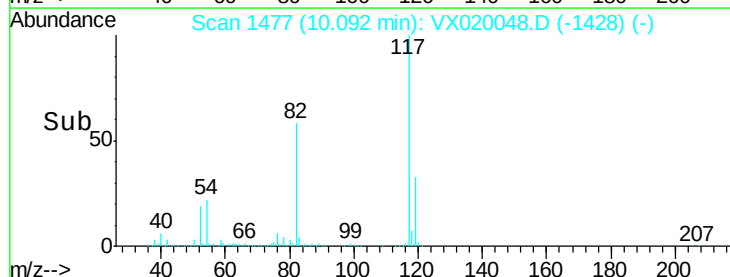
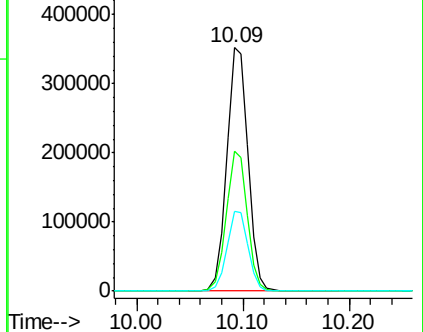
119 32.6 26.6 39.8

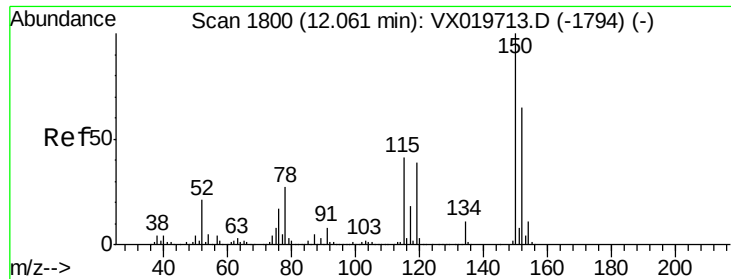


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-BOTTOM

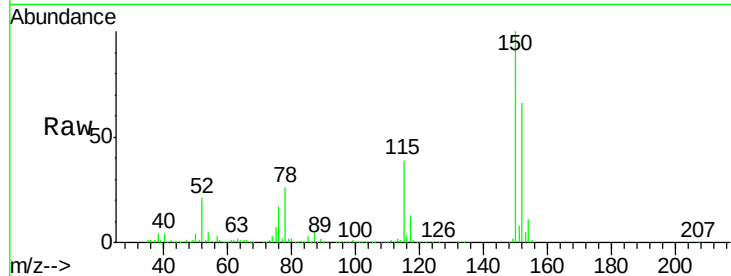
Tgt Ion: 152 Resp: 217607

Ion Ratio Lower Upper

152 100

115 59.3 41.1 123.3

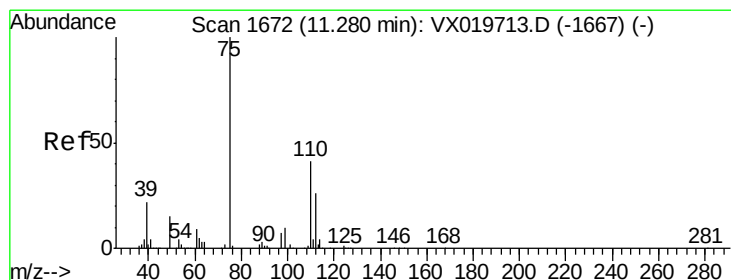
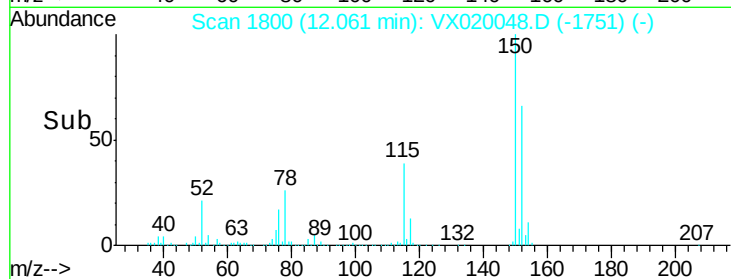
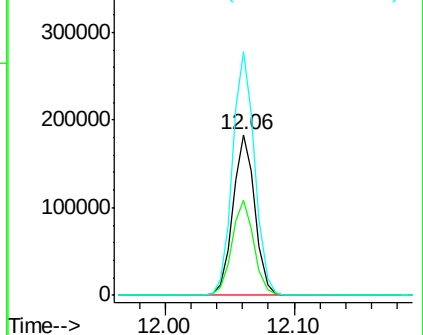
150 153.4 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.668 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020048.D

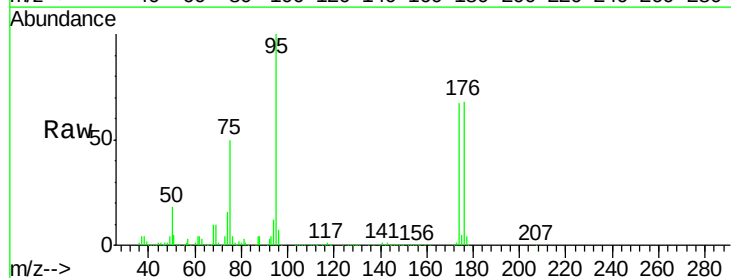
Acq: 16 Dec 2020 06:07

Tgt Ion: 75 Resp: 110631

Ion Ratio Lower Upper

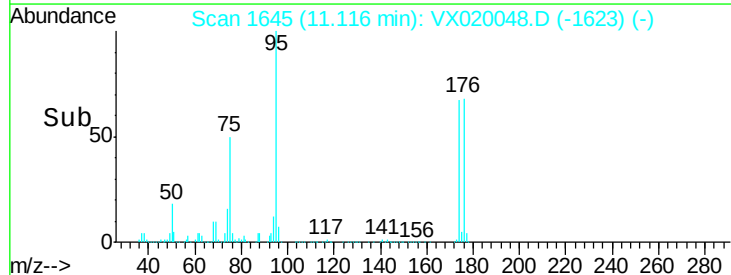
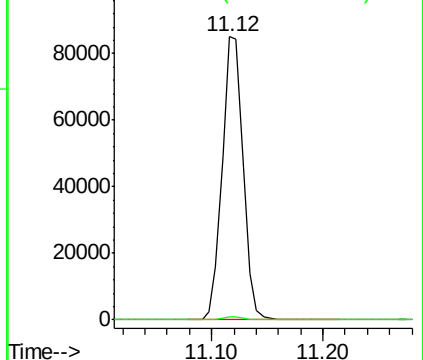
75 100

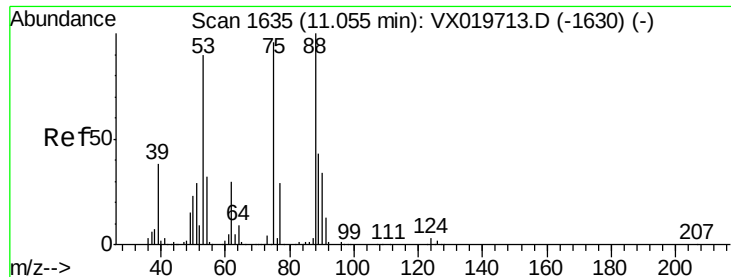
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.528 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020048.D

Acq: 16 Dec 2020 06:07

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-BOTTOM

Tgt Ion: 75 Resp: 110631

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

