

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020043.D
 Acq On : 16 Dec 2020 04:11
 Operator : JC/MD
 Sample : L5088-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-B-TOP

Quant Time: Dec 16 05:11:36 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	305653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	511900	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	483991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203445	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	198081	49.31	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.62%	
35) Dibromofluoromethane		5.46	113	159951	48.35	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.70%	
50) Toluene-d8		8.70	98	632079	50.04	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.08%	
62) 4-Bromofluorobenzene		11.12	95	222482	46.28	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.56%	

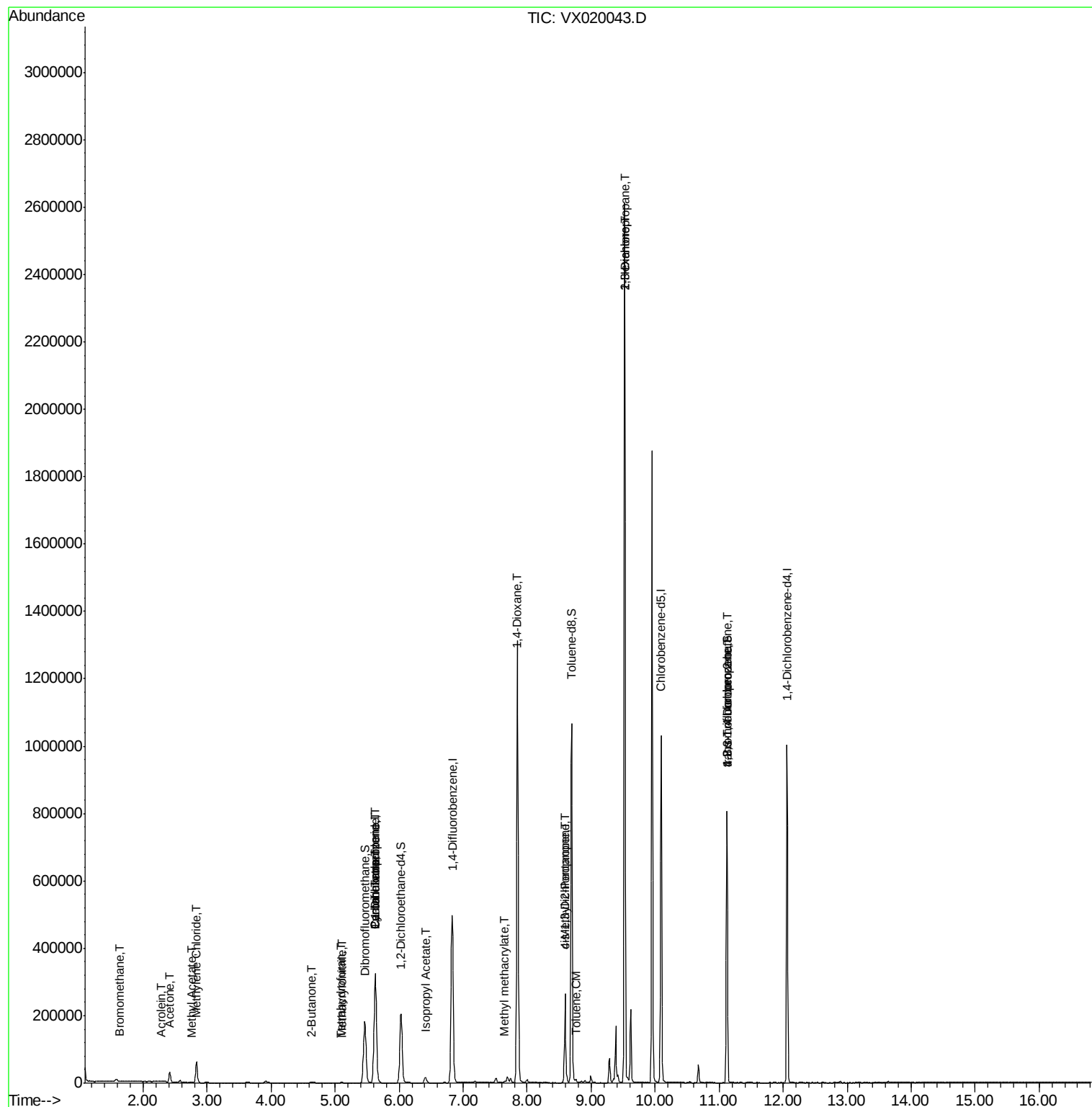
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	526	0.457	ug/l	91
11) Tert butyl alcohol	2.99	59	1624	Below Cal	#	80
13) Acrolein	2.28	56	108	0.244	ug/l #	1
16) Acetone	2.42	43	31003	20.532	ug/l	100
18) Methyl Acetate	2.75	43	2488	0.673	ug/l #	88
20) Methylene Chloride	2.83	84	30283	7.578	ug/l	99
25) 2-Butanone	4.64	43	5042	2.173	ug/l	94
29) Tetrahydrofuran	5.09	42	1001	0.670	ug/l #	72
31) Cyclohexane	5.63	56	6008	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23047	4.982	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29960	6.614	ug/l #	17
41) Methacrylonitrile	5.10	41	669	0.261	ug/l #	40
43) Isopropyl Acetate	6.41	43	22695	2.989	ug/l	98
48) Methyl methacrylate	7.65	41	7100	1.901	ug/l #	10
49) 1,4-Dioxane	7.84	88	211	2.332	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	83829	18.083	ug/l #	47
52) Toluene	8.77	92	2185	0.247	ug/l	98
54) cis-1,3-Dichloropropene	8.59	75	44081	7.726	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	23813	3.916	ug/l #	43
59) 2-Hexanone	9.52	43	289740	80.631	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	106624	23.367	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106624	67.551	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
Data File : VX020043.D
Acq On : 16 Dec 2020 04:11
Operator : JC/MD
Sample : L5088-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR1-B-TOP

Quant Time: Dec 16 05:11:36 2020
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: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampled :

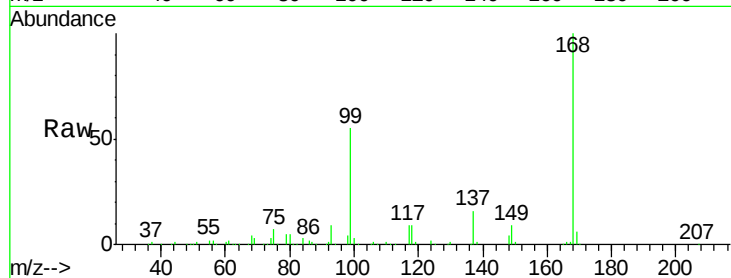
TR1-B-TOP

Tgt Ion:168 Resp: 305653

Ion Ratio Lower Upper

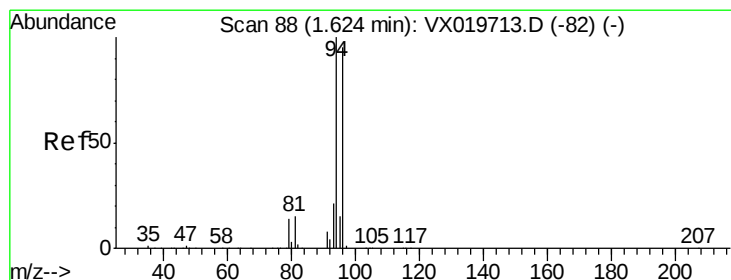
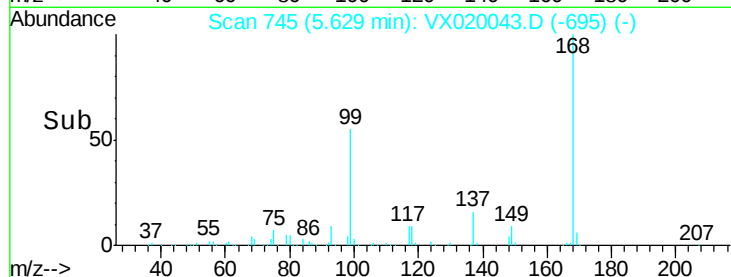
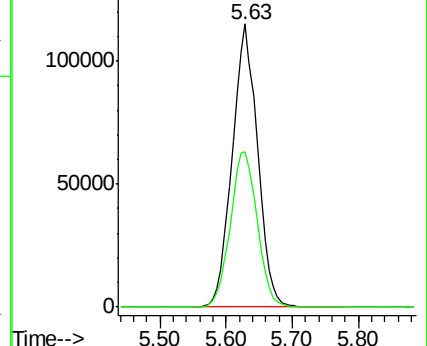
168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.457 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020043.D

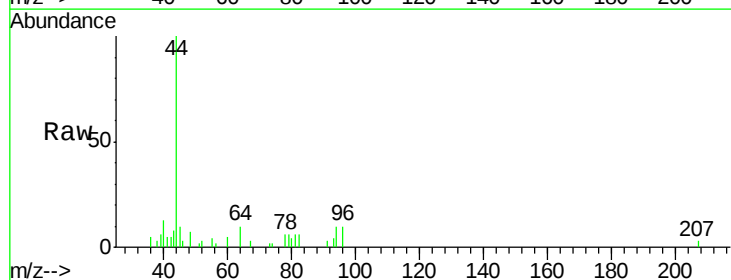
Acq: 16 Dec 2020 04:11

Tgt Ion: 94 Resp: 526

Ion Ratio Lower Upper

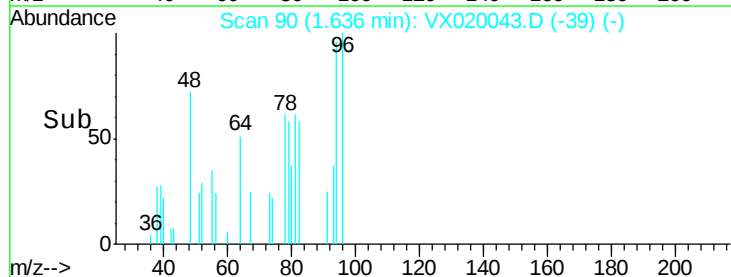
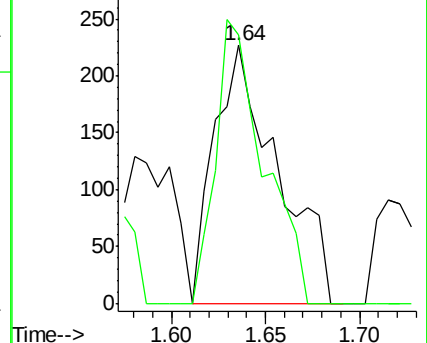
94 100

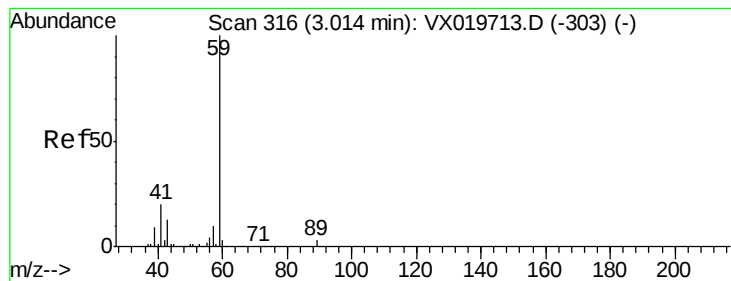
96 104.0 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



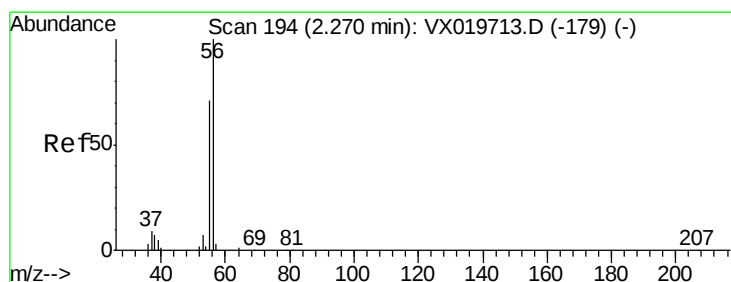
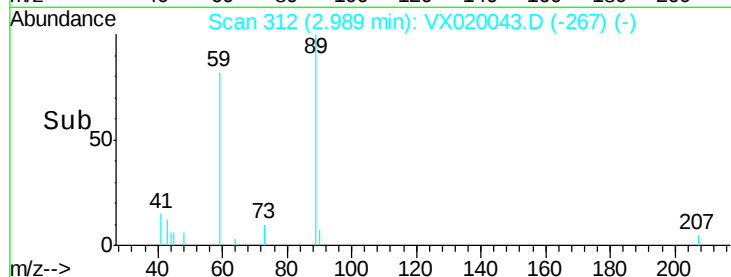
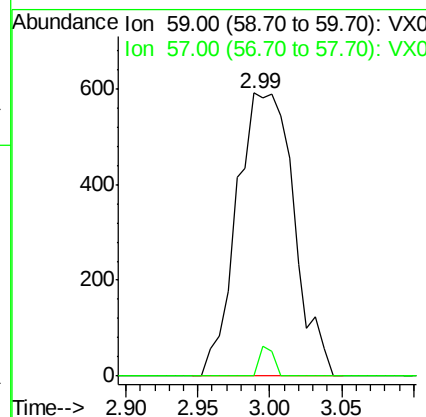
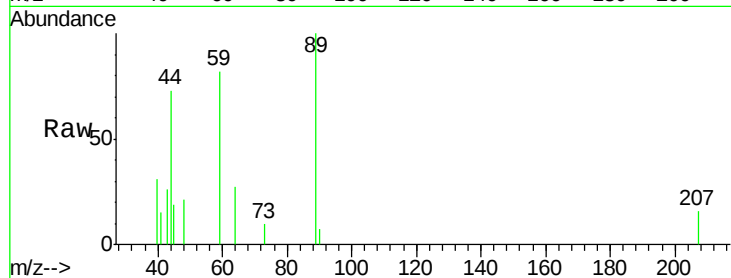


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

Instrument :
MSVOA_X
ClientSampleId :
TR1-B-TOP

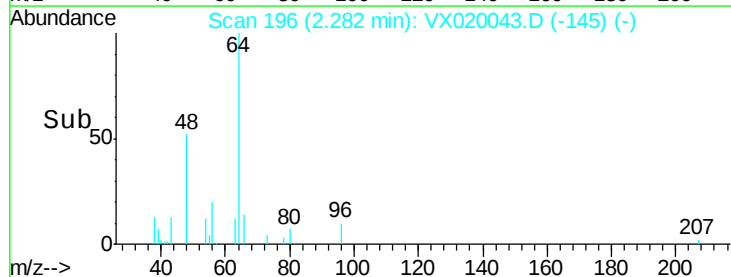
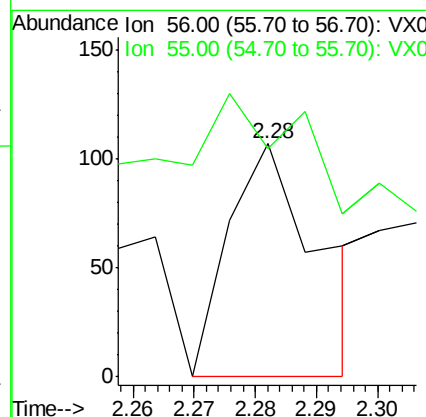
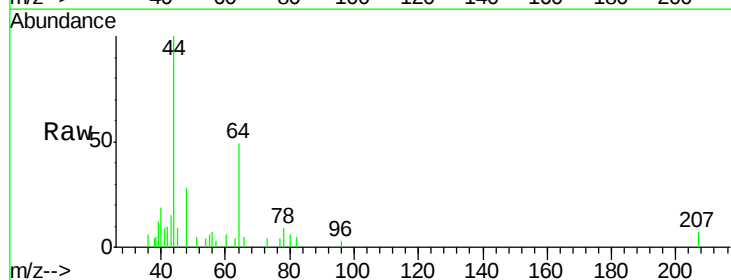
Tgt Ion: 59 Resp: 1624
Ion Ratio Lower Upper
59 100
57 2.5 7.8 11.8#

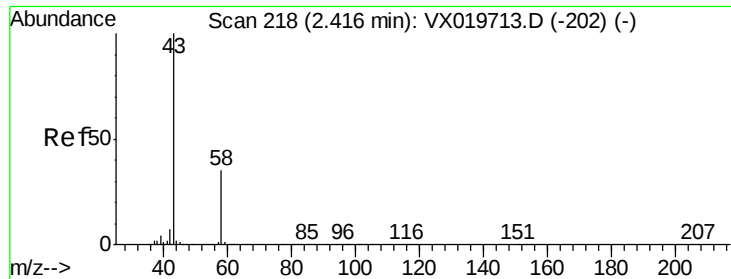


#13

Acrolein
Concen: 0.244 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 287.0 56.4 84.6#





#16

Acetone

Concen: 20.532 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

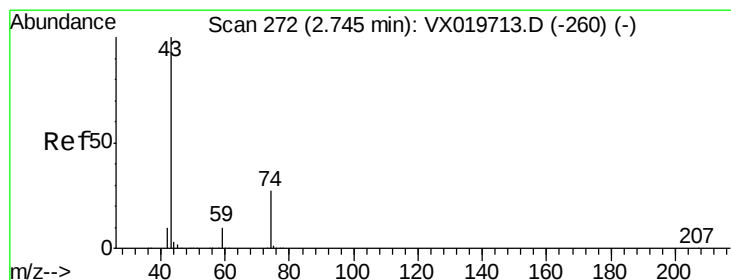
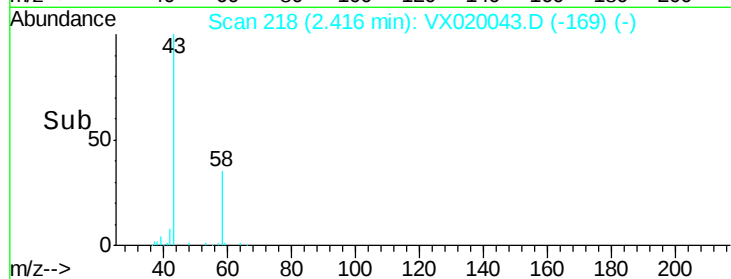
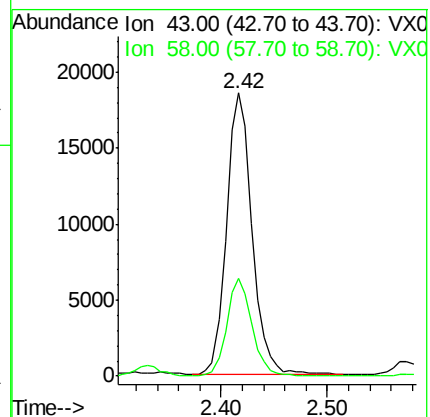
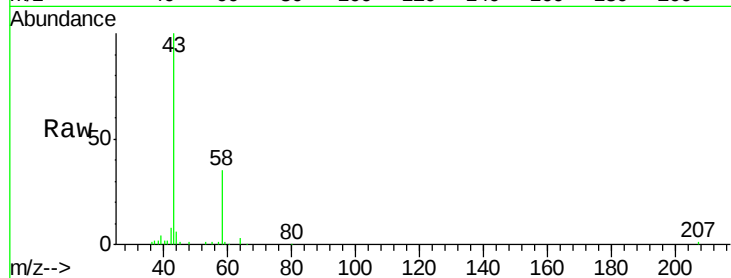
TR1-B-TOP

Tgt Ion: 43 Resp: 31003

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.8



#18

Methyl Acetate

Concen: 0.673 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX020043.D

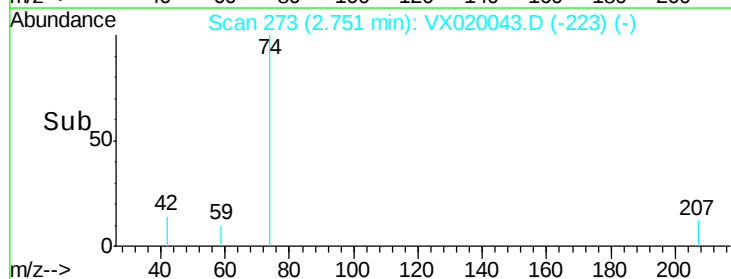
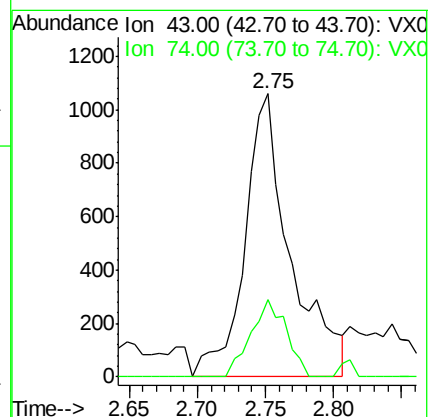
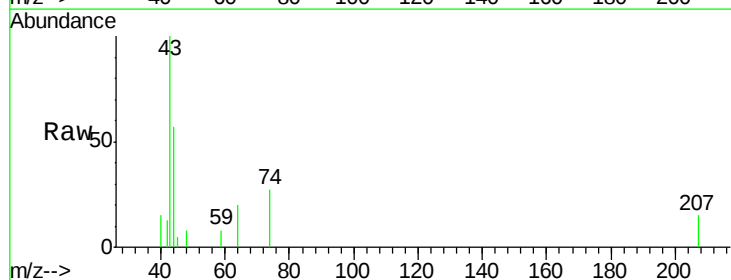
Acq: 16 Dec 2020 04:11

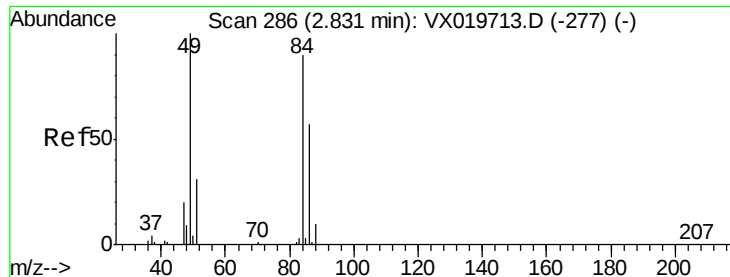
Tgt Ion: 43 Resp: 2488

Ion Ratio Lower Upper

43 100

74 21.3 21.9 32.9#

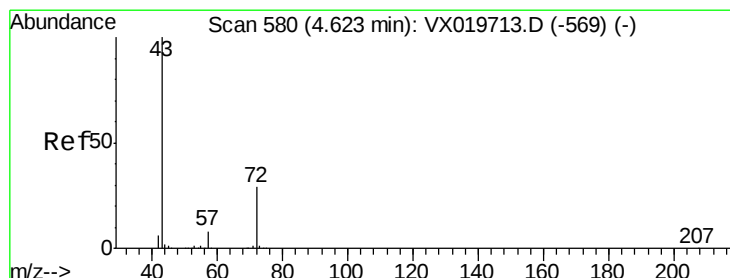
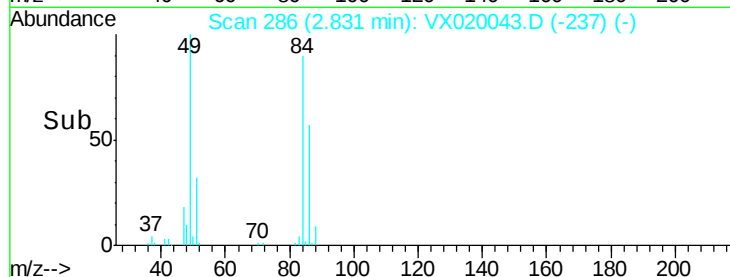
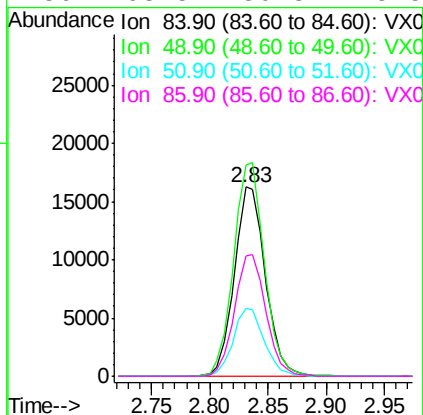
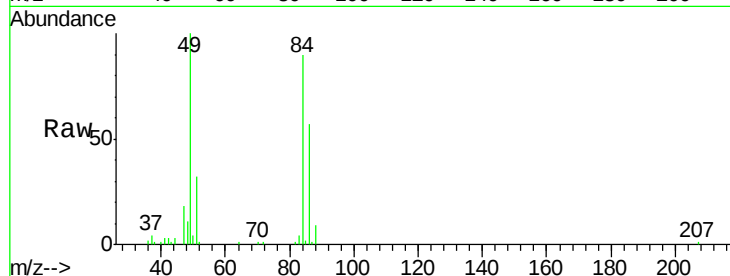




#20
Methylene Chloride
Concen: 7.578 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

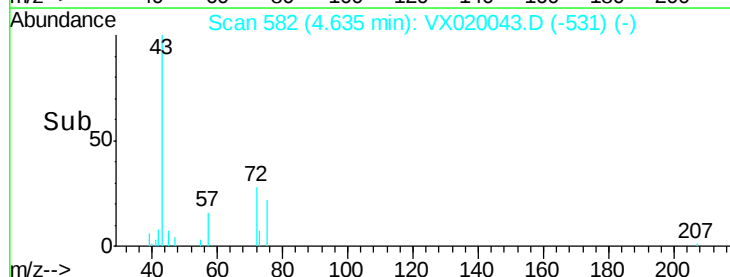
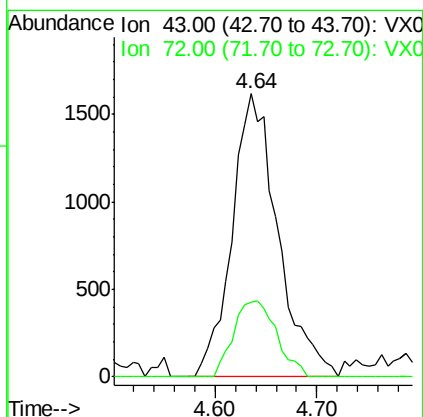
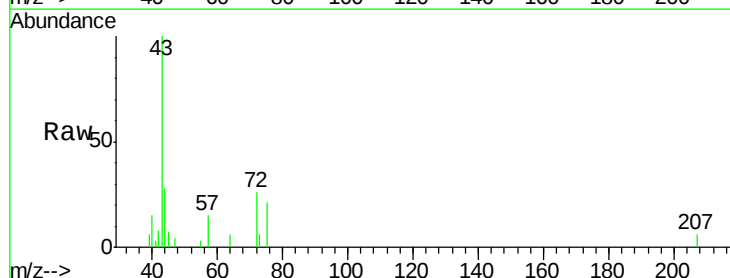
Instrument :
MSVOA_X
ClientSampled :
TR1-B-TOP

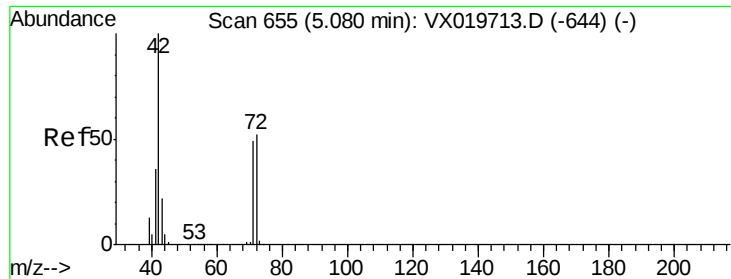
Tgt Ion:	84	Resp:	30283
Ion	Ratio	Lower	Upper
84	100		
49	111.7	88.6	132.8
51	35.8	27.0	40.6
86	63.5	50.3	75.5



#25
2-Butanone
Concen: 2.173 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

Tgt Ion:	43	Resp:	5042
Ion	Ratio	Lower	Upper
43	100		
72	26.4	23.7	35.5

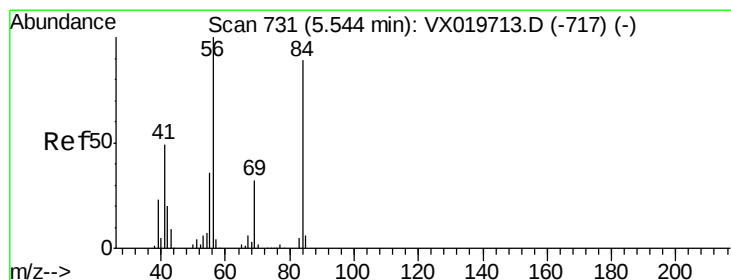
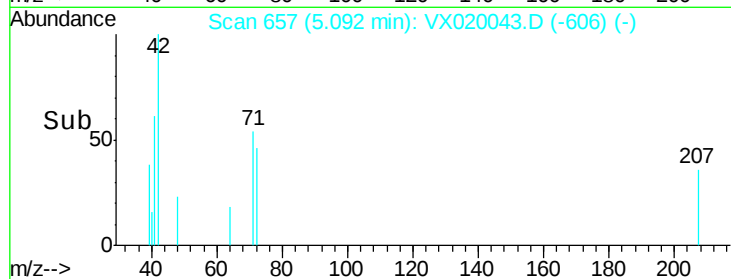
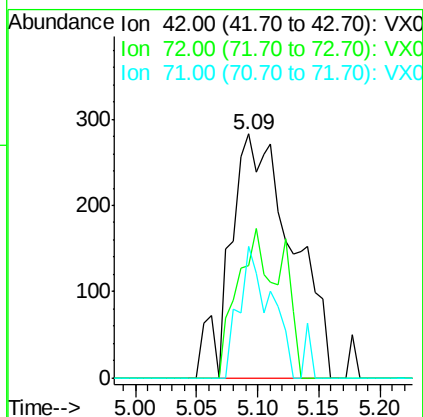
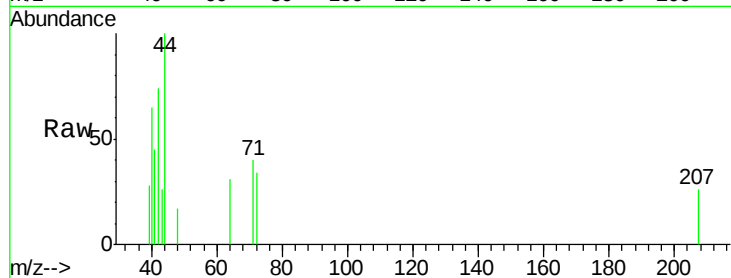




#29
Tetrahydrofuran
Concen: 0.670 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

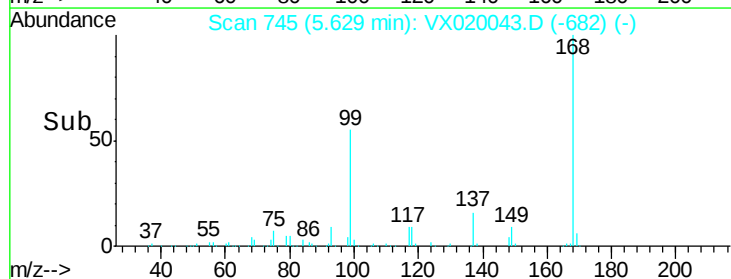
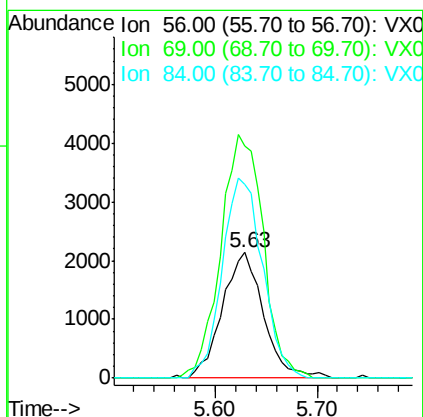
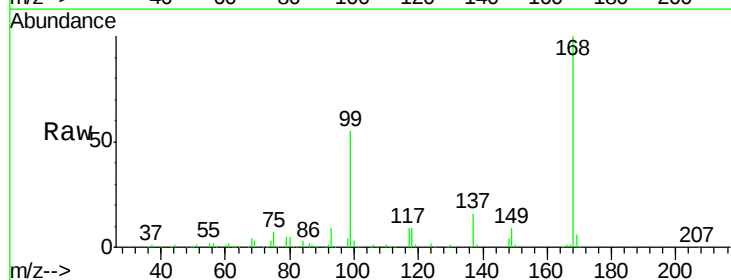
Instrument :
MSVOA_X
ClientSampled :
TR1-B-TOP

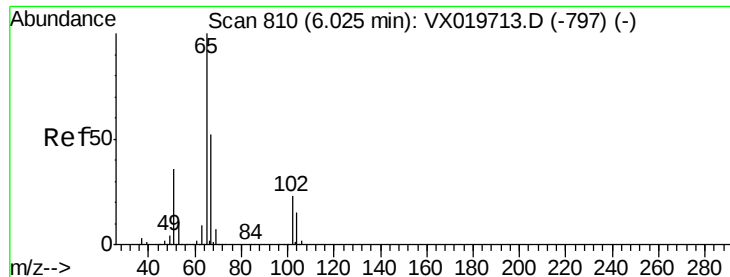
Tgt Ion: 42 Resp: 1001
Ion Ratio Lower Upper
42 100
72 33.9 41.7 62.5#
71 27.1 38.4 57.6#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

Tgt Ion: 56 Resp: 6008
Ion Ratio Lower Upper
56 100
69 185.0 25.3 37.9#
84 154.2 71.4 107.0#

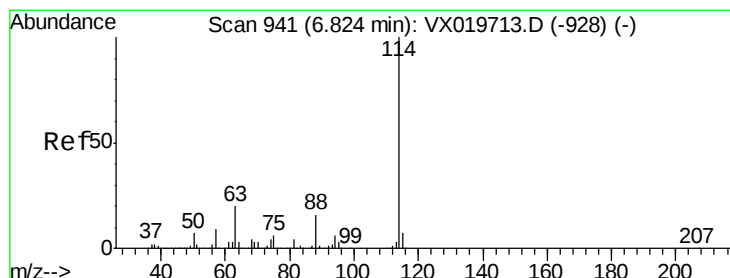
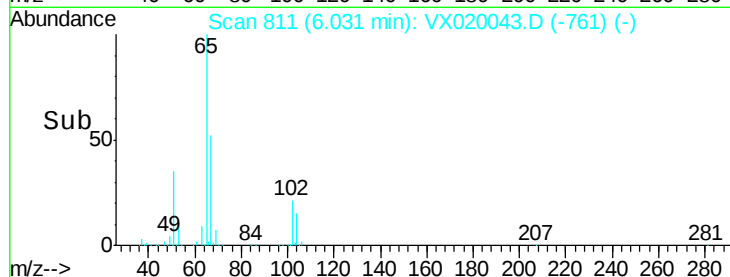
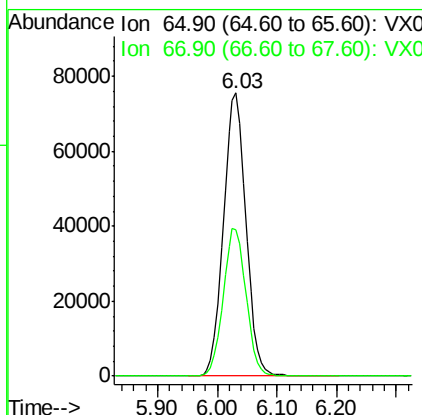
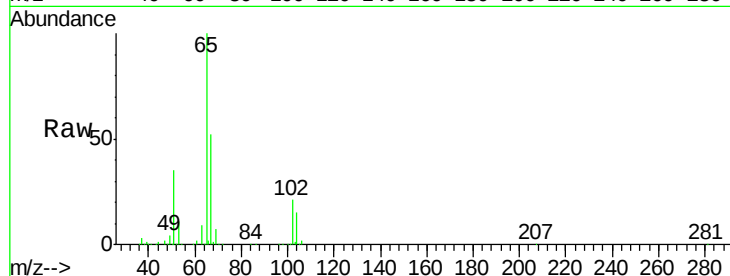




#33
 1,2-Dichloroethane-d4
 Concen: 49.309 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX020043.D
 Acq: 16 Dec 2020 04:11

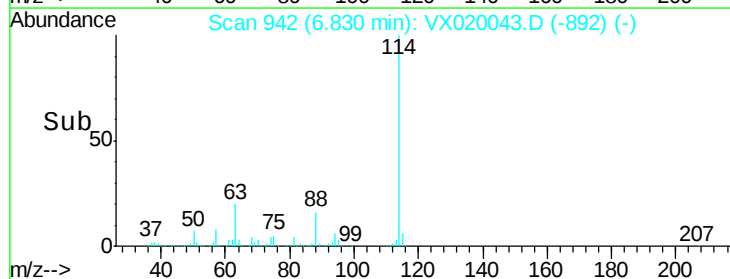
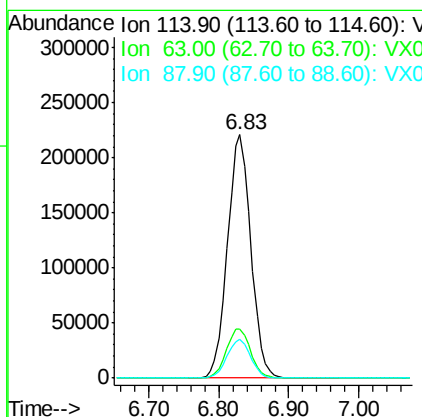
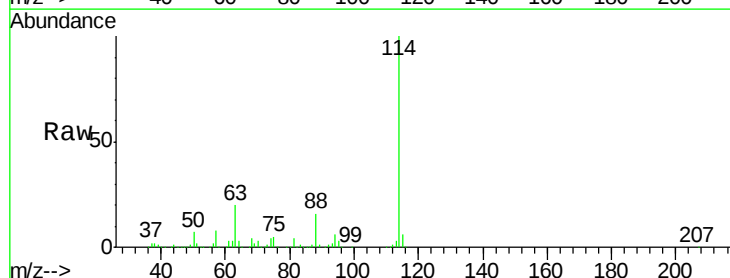
Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-B-TOP

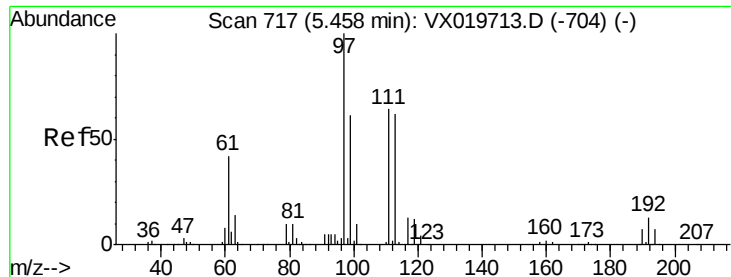
Tgt Ion: 65 Resp: 198081
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020043.D
 Acq: 16 Dec 2020 04:11

Tgt Ion: 114 Resp: 511900
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.348 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TR1-B-TOP

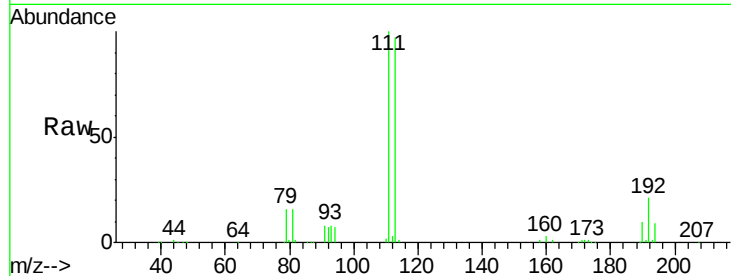
Tgt Ion:113 Resp: 159951

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

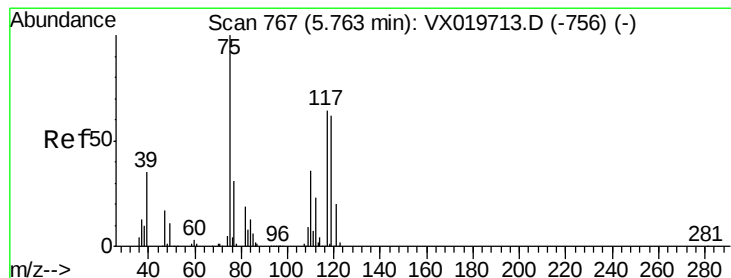
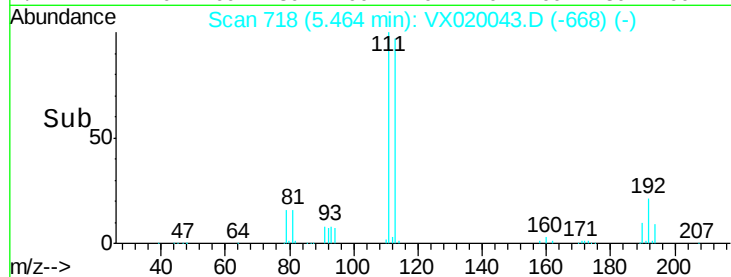
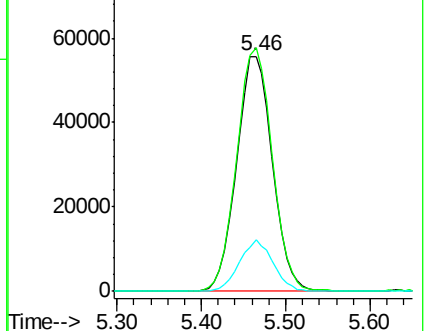
192 20.5 16.7 25.1



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: 4.982 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

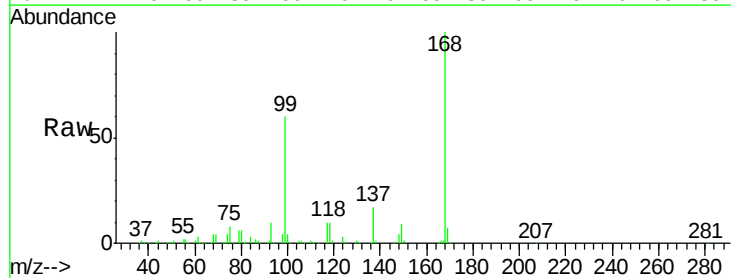
Tgt Ion: 75 Resp: 23047

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

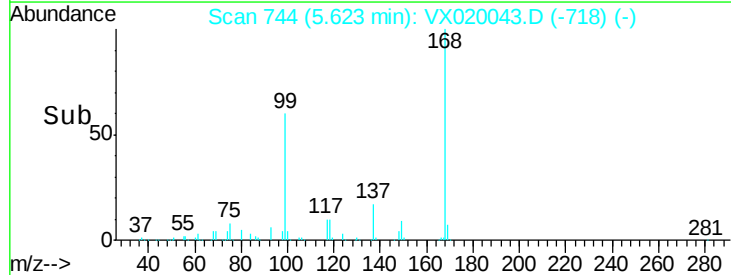
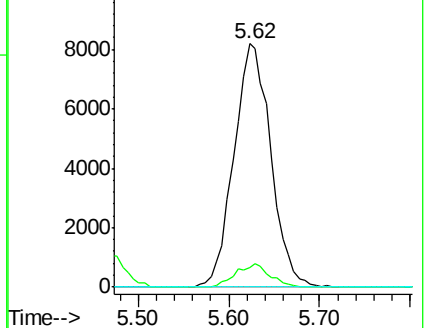
77 0.0 25.3 37.9#

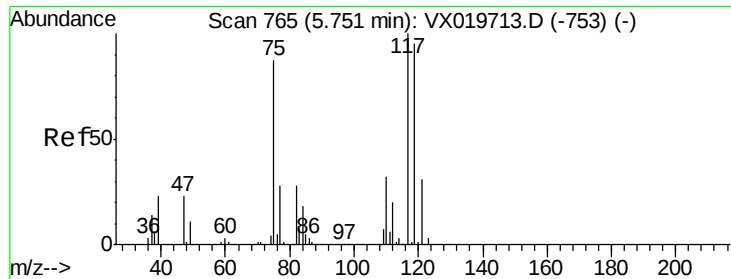


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.614 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TR1-B-TOP

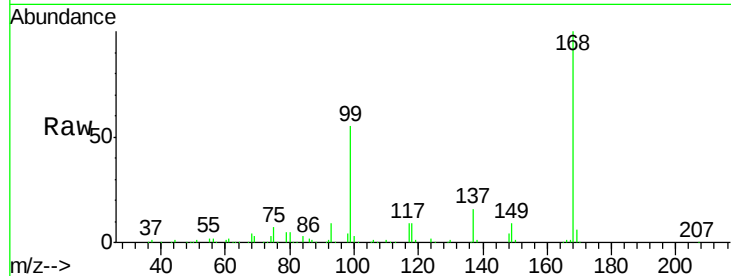
Tgt Ion:117 Resp: 29960

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

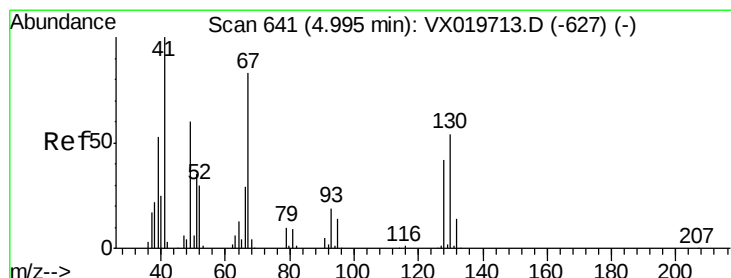
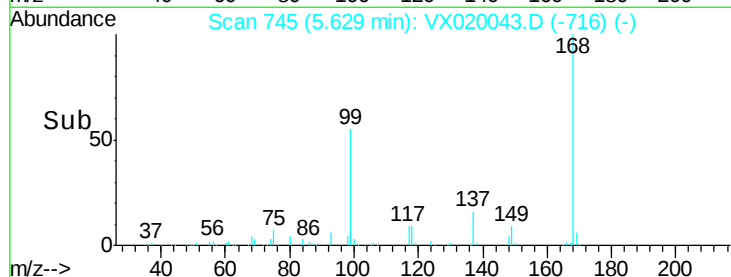
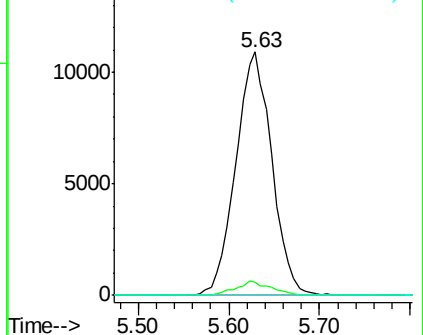
121 0.0 24.8 37.2#



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



#41

Methacrylonitrile

Concen: 0.261 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.11 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Tgt Ion: 41 Resp: 669

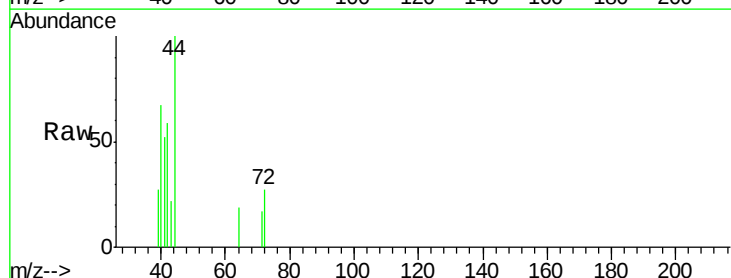
Ion Ratio Lower Upper

41 100

39 43.2 42.5 63.7

67 0.0 65.0 97.6#

52 0.0 25.3 37.9#

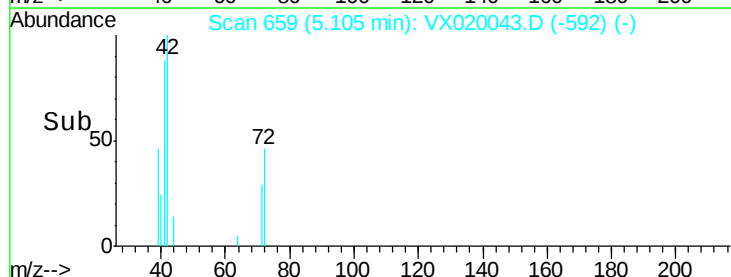
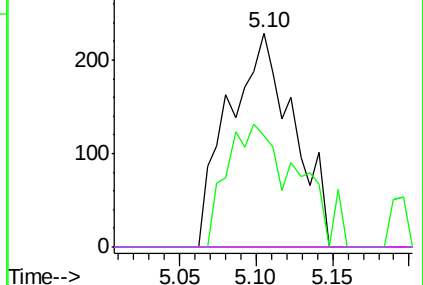


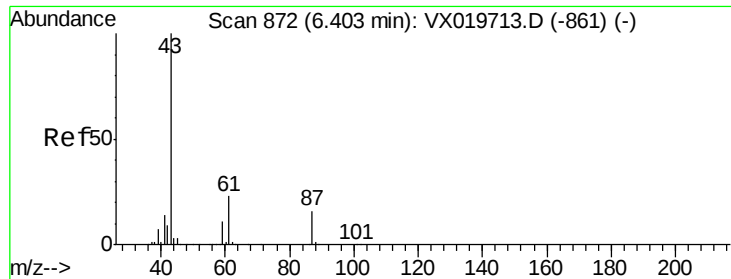
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 2.989 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TR1-B-TOP

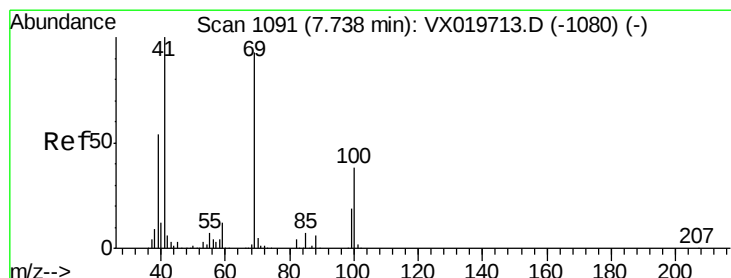
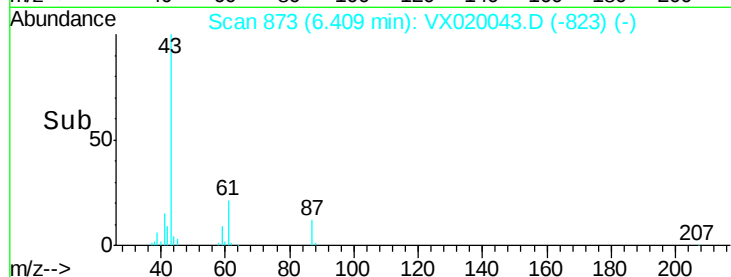
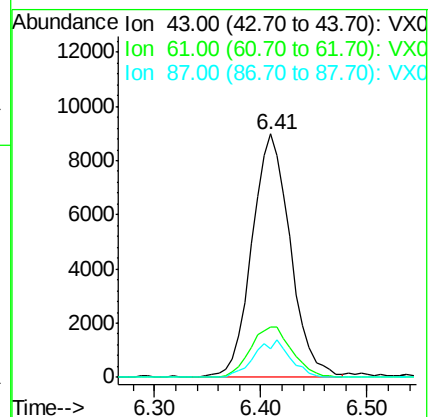
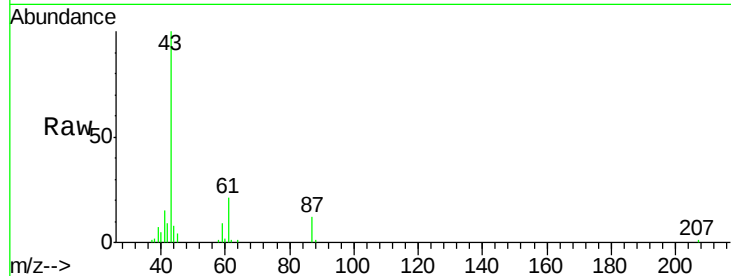
Tgt Ion: 43 Resp: 22695

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.4

87 14.4 12.5 18.7



#48

Methyl methacrylate

Concen: 1.901 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

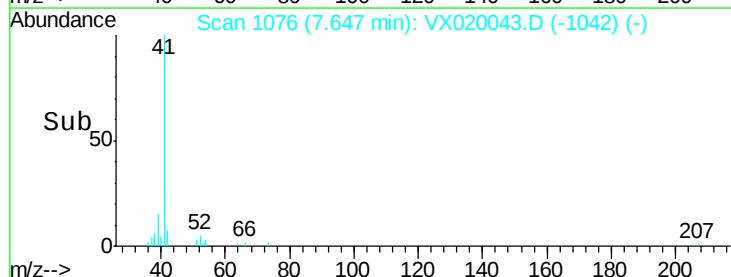
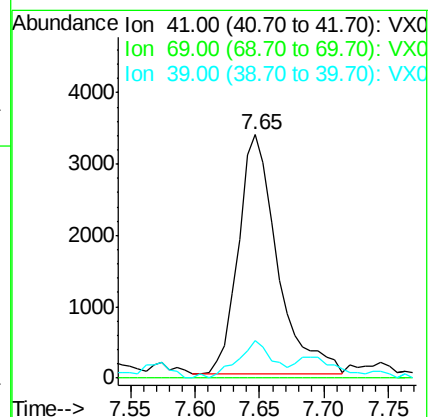
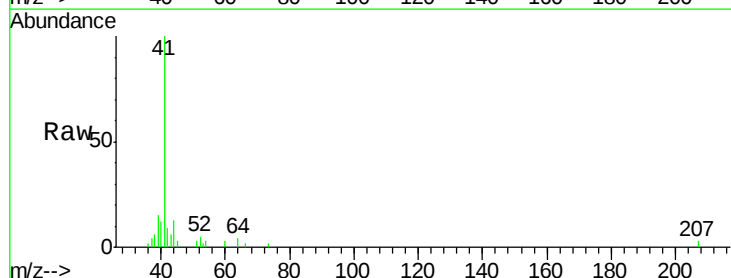
Tgt Ion: 41 Resp: 7100

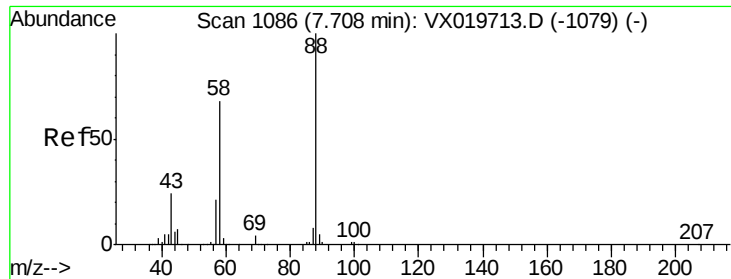
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 2.332 ug/l

RT: 7.84 min Scan# 1107

Delta R.T. 0.13 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TR1-B-TOP

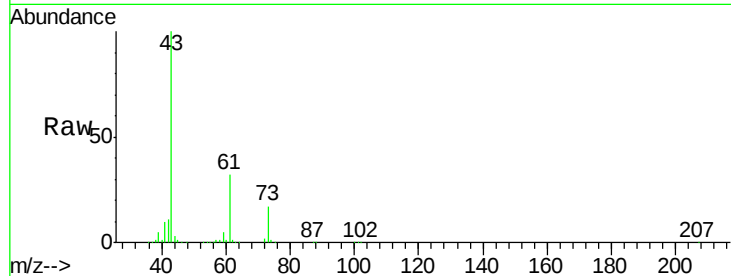
Tgt Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 529686.3 23.2 34.8#

58 2826.1 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

400000

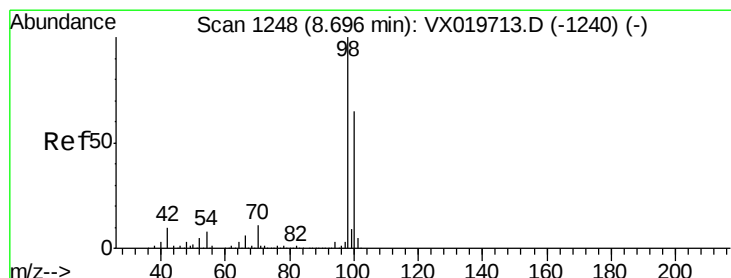
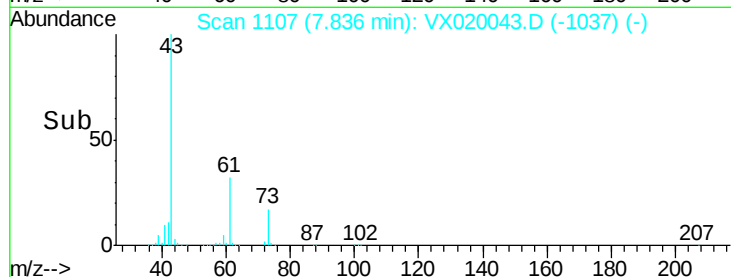
200000

0

7.80

7.84

Time-->



#50

Toluene-d8

Concen: 50.044 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020043.D

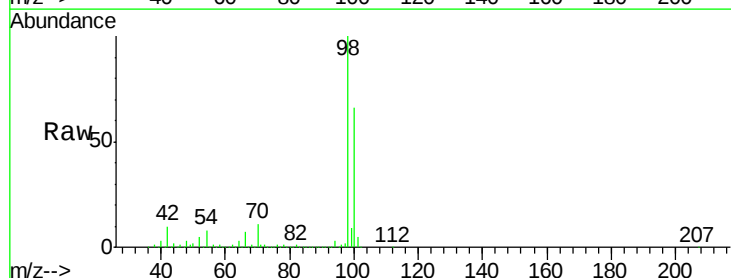
Acq: 16 Dec 2020 04:11

Tgt Ion: 98 Resp: 632079

Ion Ratio Lower Upper

98 100

100 66.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

400000

300000

200000

100000

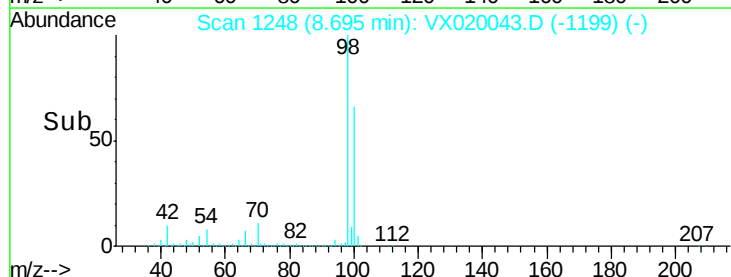
0

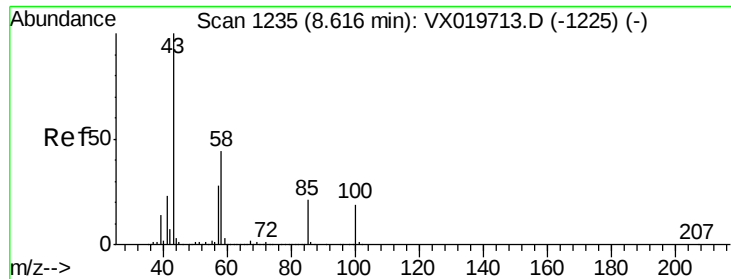
8.60

8.70

8.80

Time-->





#51

4-Methyl-2-Pentanone

Concen: 18.083 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampled :

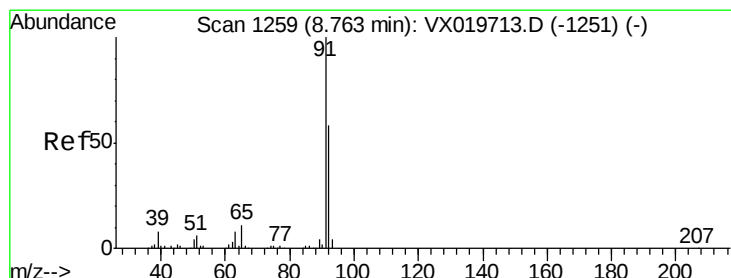
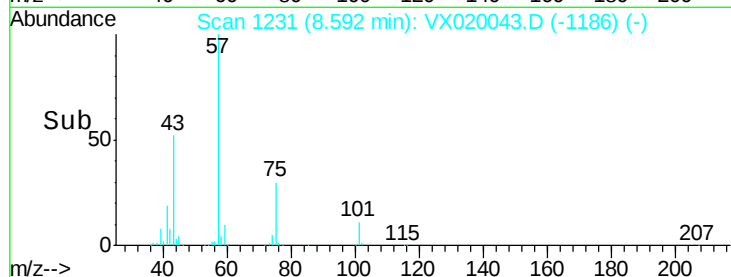
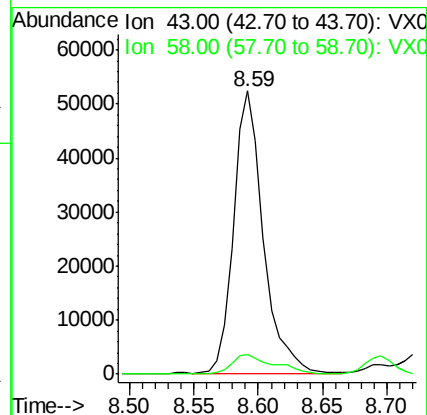
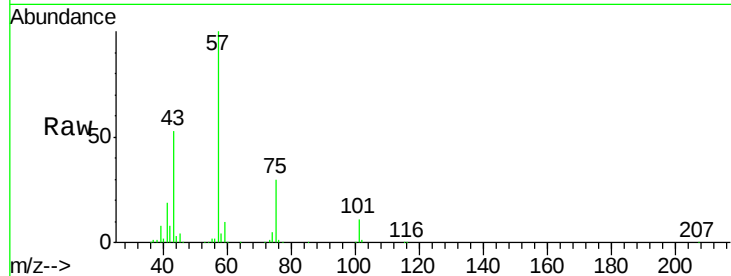
TR1-B-TOP

Tgt Ion: 43 Resp: 83829

Ion Ratio Lower Upper

43 100

58 10.1 35.4 53.0#



#52

Toluene

Concen: 0.247 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX020043.D

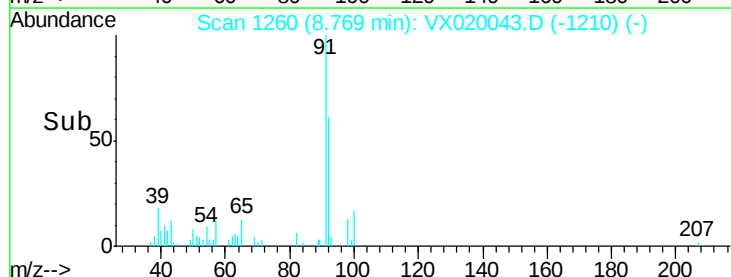
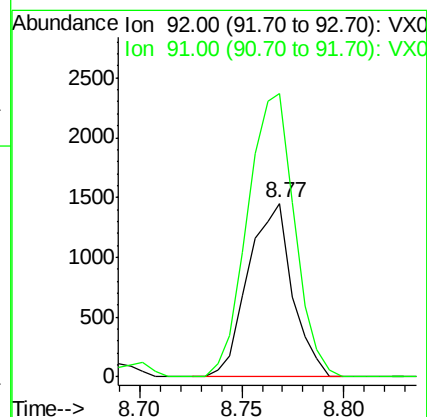
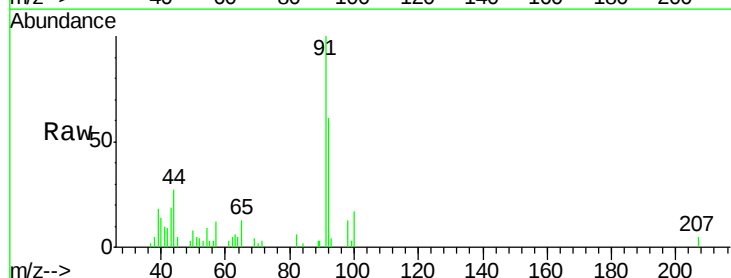
Acq: 16 Dec 2020 04:11

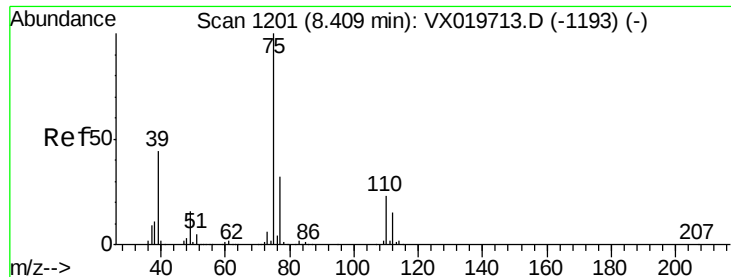
Tgt Ion: 92 Resp: 2185

Ion Ratio Lower Upper

92 100

91 173.5 137.1 205.7



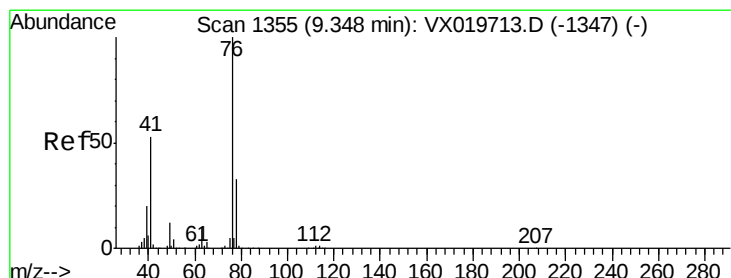
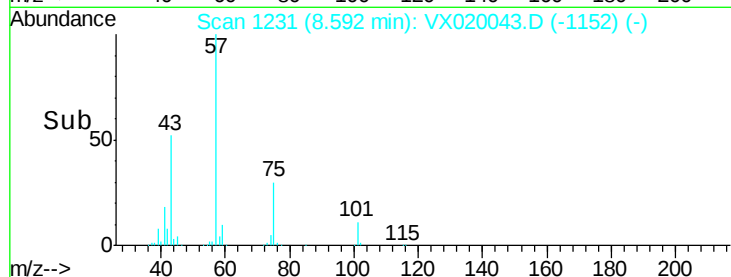
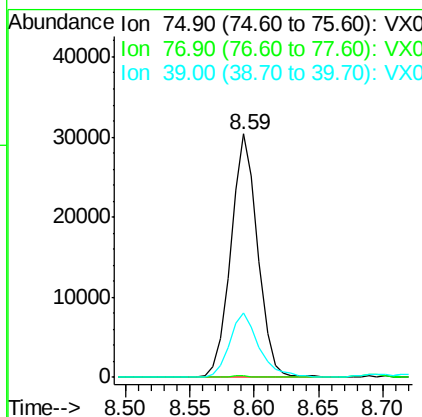
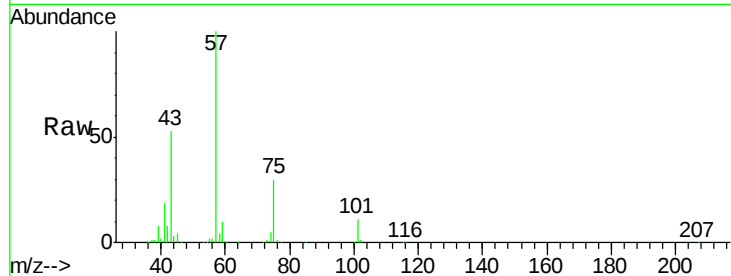


#54

cis-1,3-Dichloropropene
 Concen: 7.726 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020043.D
 Acq: 16 Dec 2020 04:11

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-B-TOP

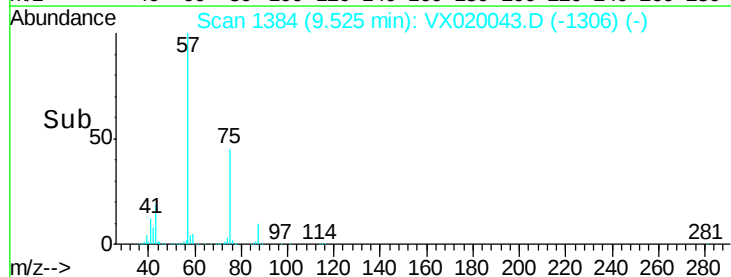
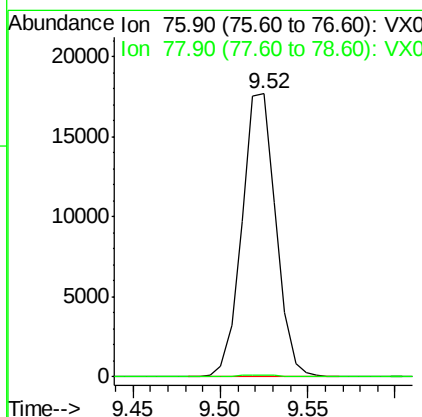
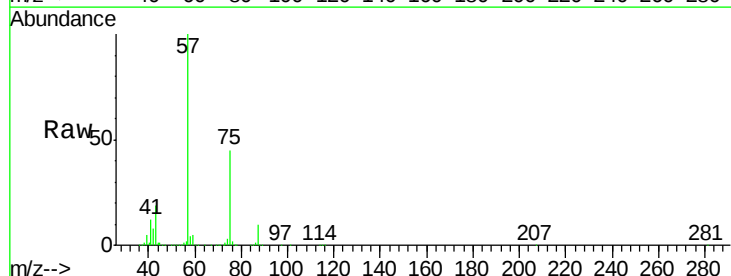
Tgt Ion: 75 Resp: 44081
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 26.3 35.1 52.7#

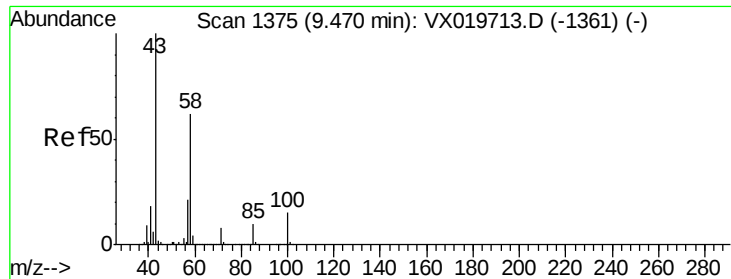


#57

1,3-Dichloropropane
 Concen: 3.916 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX020043.D
 Acq: 16 Dec 2020 04:11

Tgt Ion: 76 Resp: 23813
 Ion Ratio Lower Upper
 76 100
 78 0.8 26.2 39.2#

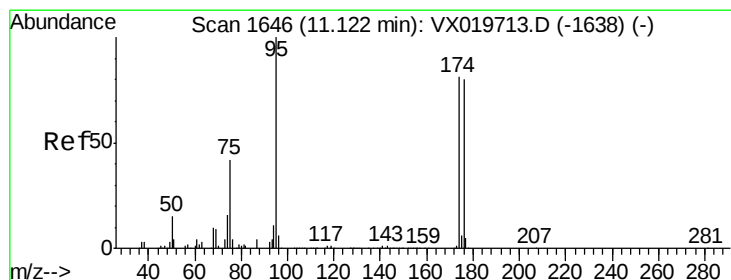
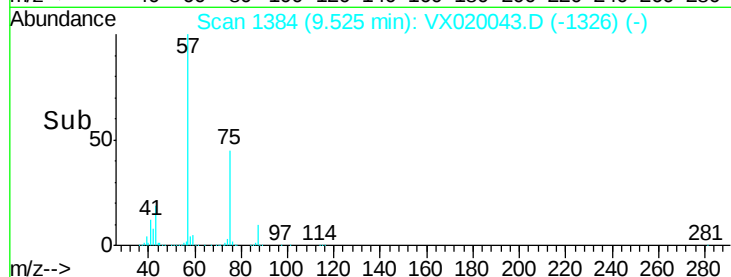
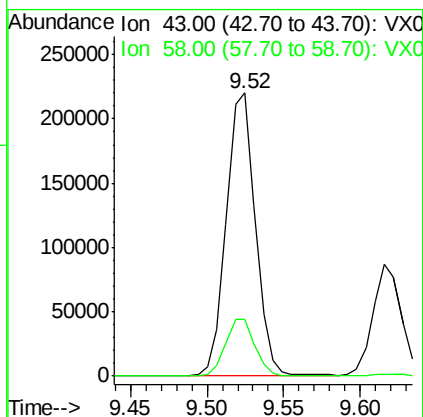
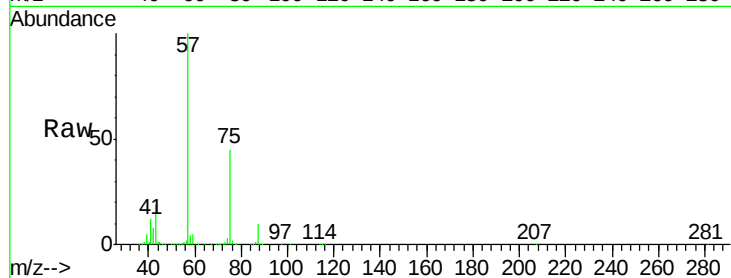




#59
2-Hexanone
Concen: 80.631 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

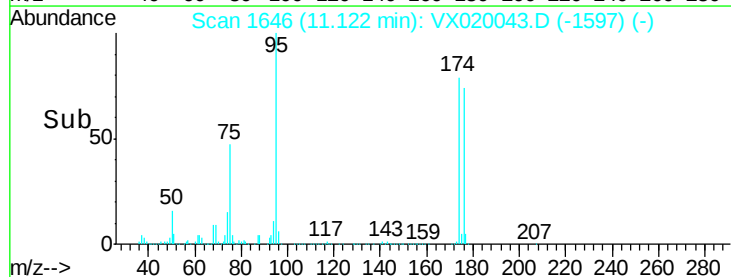
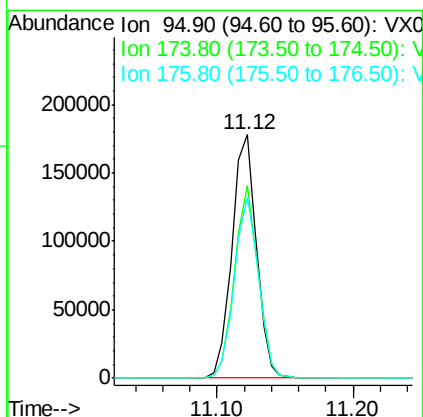
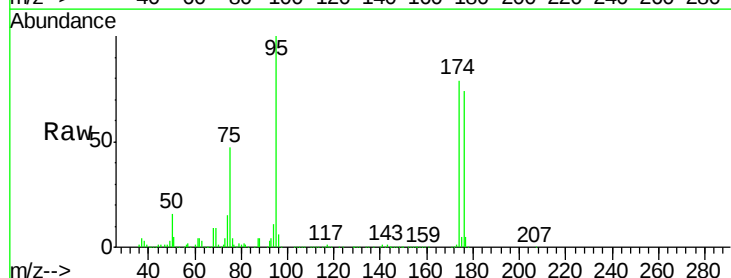
Instrument :
MSVOA_X
ClientSampleId :
TR1-B-TOP

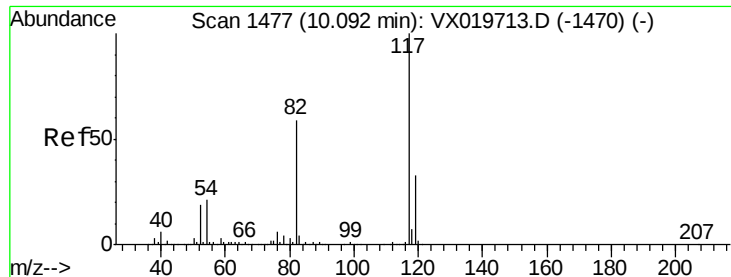
Tgt Ion: 43 Resp: 289740
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.280 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

Tgt Ion: 95 Resp: 222482
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 73.7 0.0 155.8

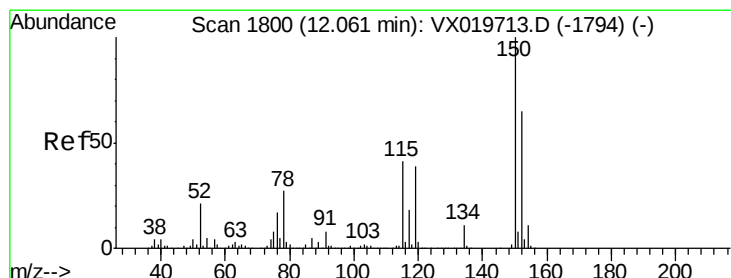
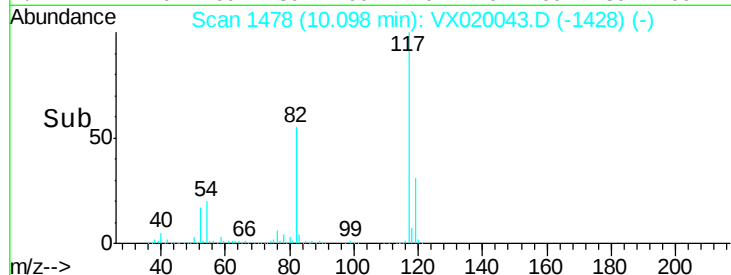
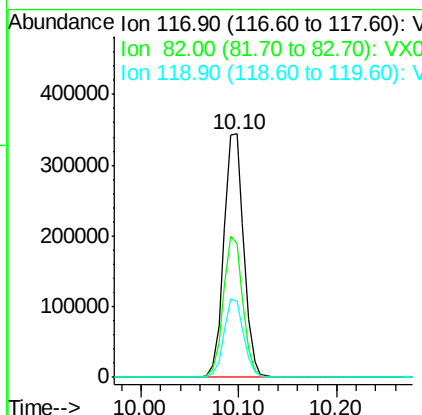
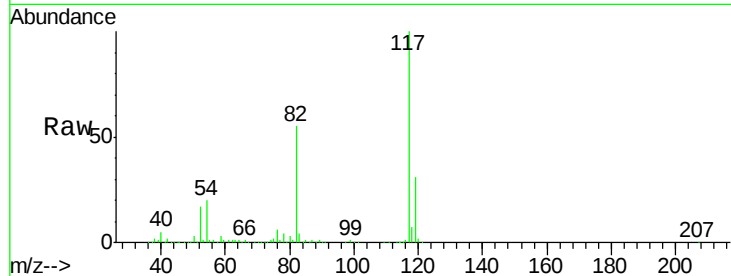




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

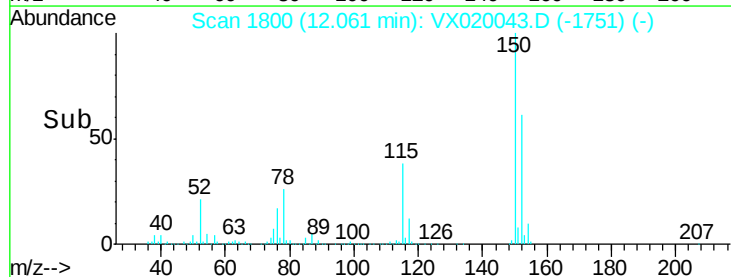
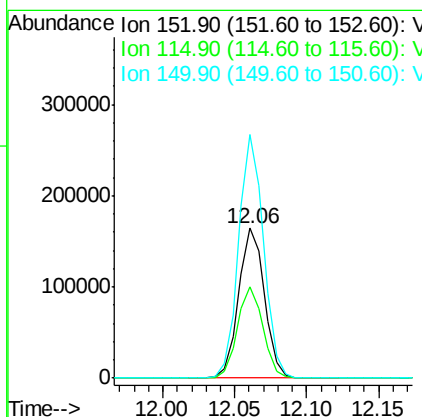
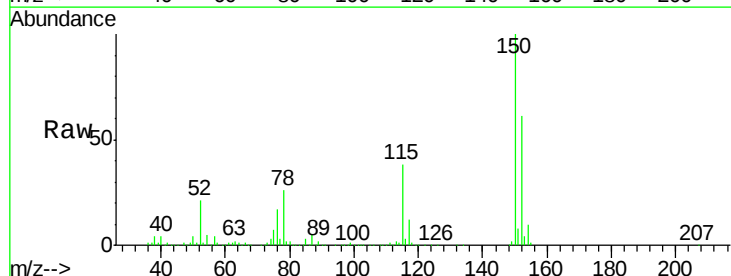
Instrument :
MSVOA_X
ClientSampleId :
TR1-B-TOP

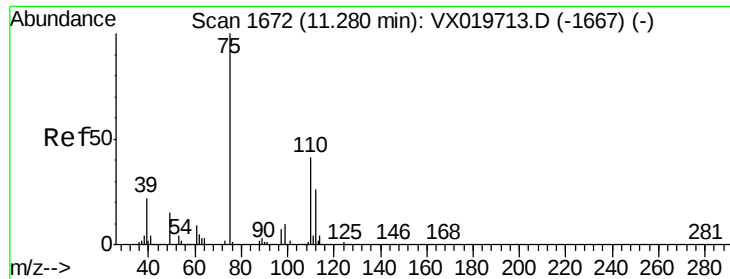
Tgt Ion:117 Resp: 483991
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020043.D
Acq: 16 Dec 2020 04:11

Tgt Ion:152 Resp: 203445
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 158.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.367 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

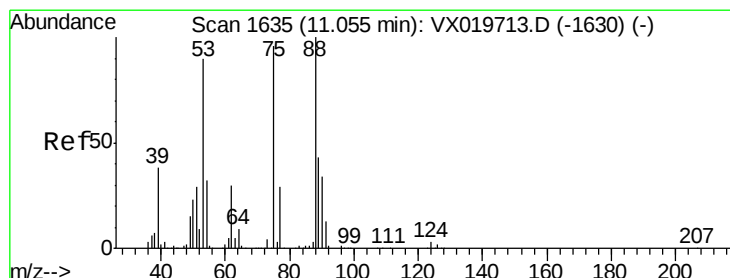
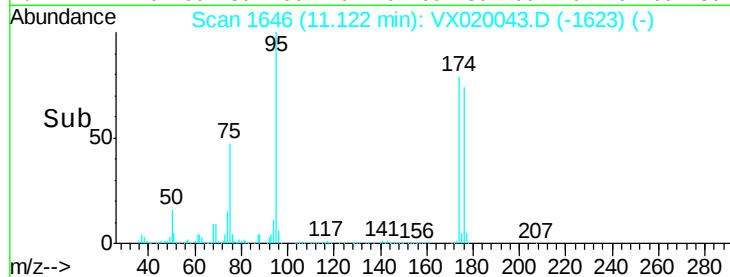
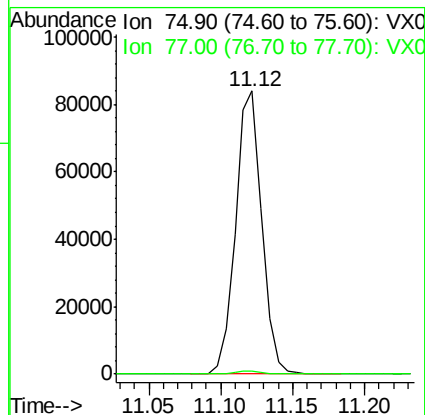
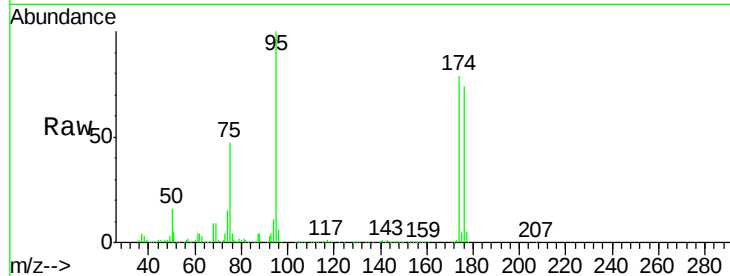
TR1-B-TOP

Tgt Ion: 75 Resp: 106624

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.551 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020043.D

Acq: 16 Dec 2020 04:11

Tgt Ion: 75 Resp: 106624

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

