

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020051.D
 Acq On : 16 Dec 2020 07:17
 Operator : JC/MD
 Sample : L5088-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-B-TOP

Quant Time: Dec 16 08:04:16 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	5.62	168	309664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	521625	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	491677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	199314	48.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.94%		
35) Dibromofluoromethane	5.46	113	160959	47.75	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.50%		
50) Toluene-d8	8.70	98	646070	50.20	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.40%		
62) 4-Bromofluorobenzene	11.12	95	223636	45.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.30%		

Target Compounds

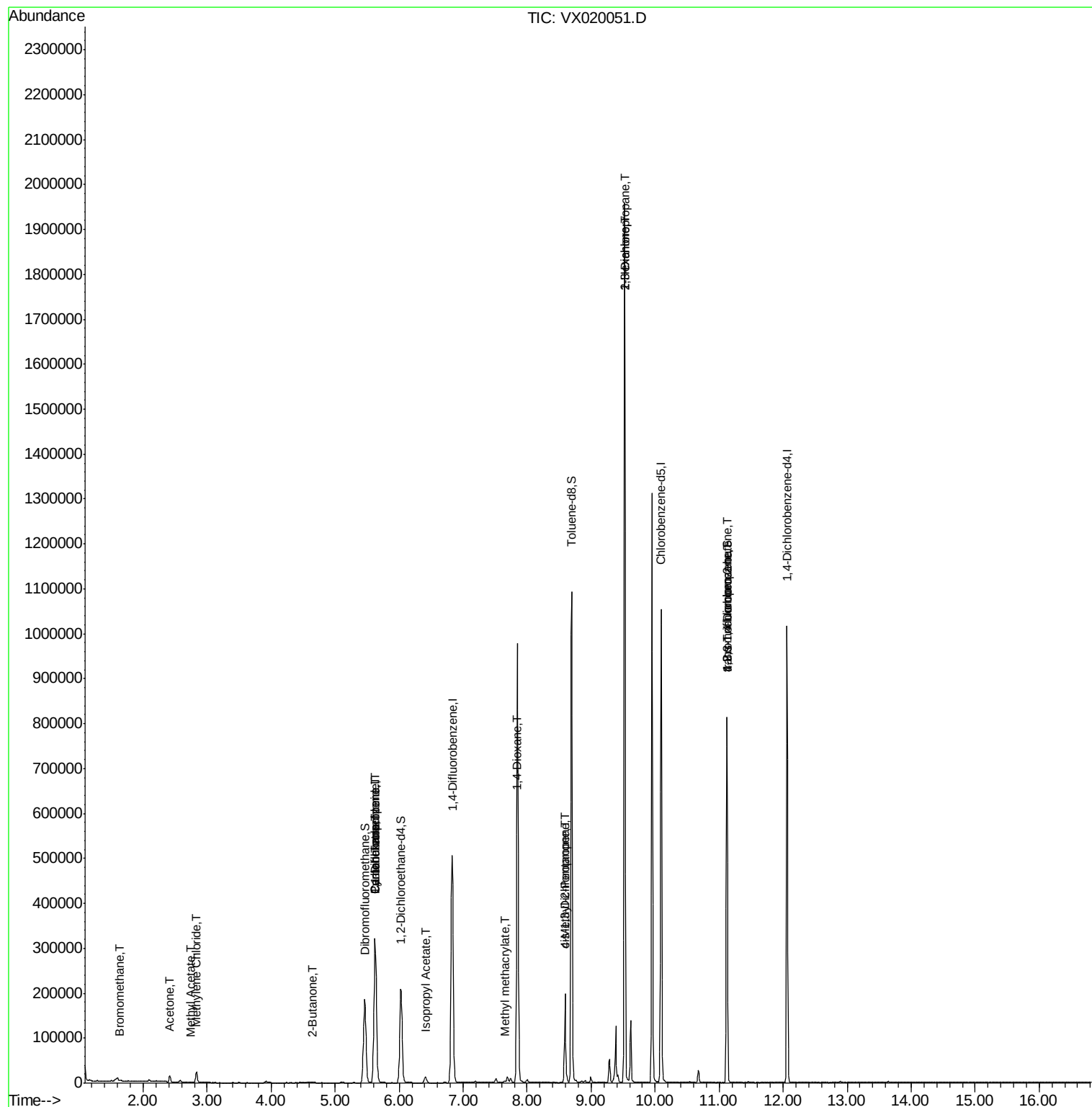
					Qvalue
5) Bromomethane	1.63	94	647	0.554 ug/l	97
11) Tert butyl alcohol	2.99	59	1075	Below Cal #	73
16) Acetone	2.42	43	14473	9.461 ug/l	98
18) Methyl Acetate	2.75	43	2034	0.543 ug/l	90
20) Methylene Chloride	2.83	84	11440	1.908 ug/l	99
25) 2-Butanone	4.64	43	3146	1.338 ug/l #	86
31) Cyclohexane	5.63	56	6170	1.219 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24406	5.178 ug/l #	48
38) Carbon Tetrachloride	5.63	117	30396	6.585 ug/l #	17
43) Isopropyl Acetate	6.42	43	16890	2.183 ug/l	99
48) Methyl methacrylate	7.65	41	5790	1.522 ug/l #	10
49) 1,4-Dioxane	7.83	88	76	0.824 ug/l #	24
51) 4-Methyl-2-Pentanone	8.59	43	62742	13.282 ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	32925	5.663 ug/l #	61
57) 1,3-Dichloropropane	9.52	76	17391	2.806 ug/l #	43
59) 2-Hexanone	9.52	43	212645	58.073 ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	107929	24.108 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	107929	69.691 ug/l #	12

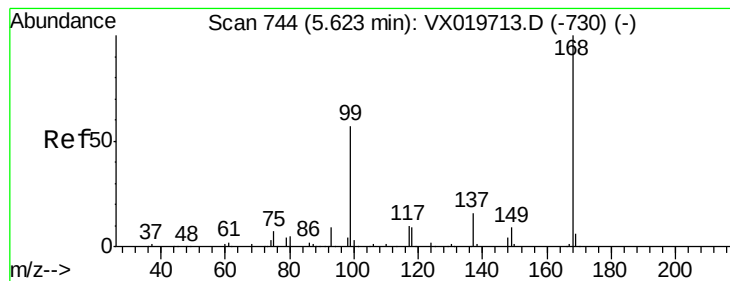
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 08:04:16 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: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

Instrument :

MSVOA_X

ClientSampleId :

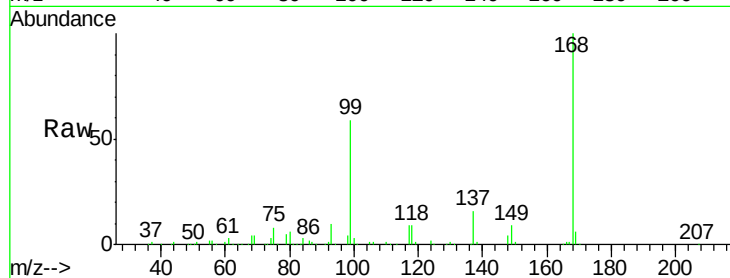
TR3-B-TOP

Tgt Ion:168 Resp: 309664

Ion Ratio Lower Upper

168 100

99 58.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

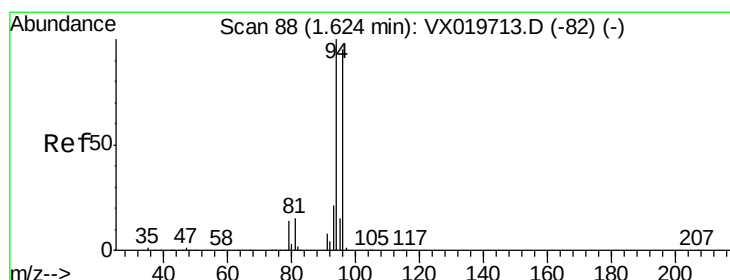
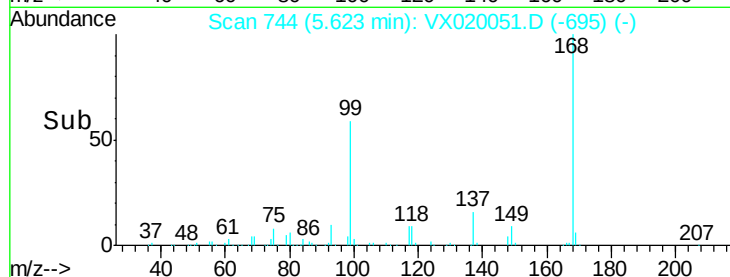
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.554 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020051.D

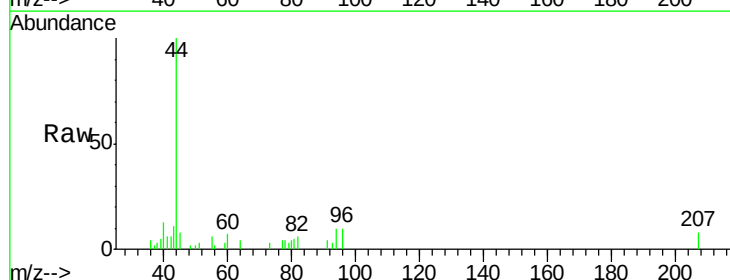
Acq: 16 Dec 2020 07:17

Tgt Ion: 94 Resp: 647

Ion Ratio Lower Upper

94 100

96 92.6 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

300

250

200

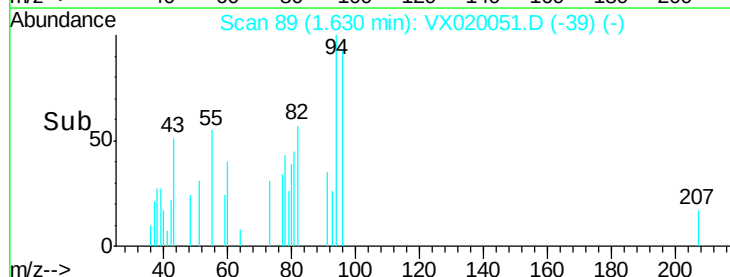
150

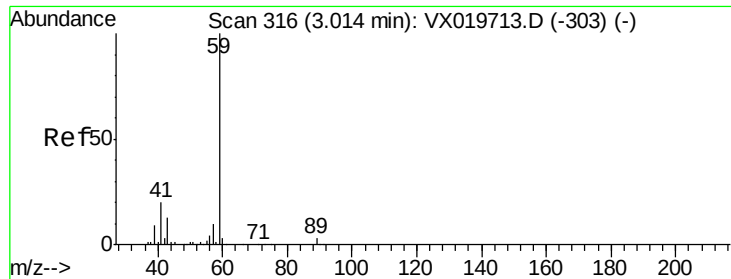
100

50

0

Time-->



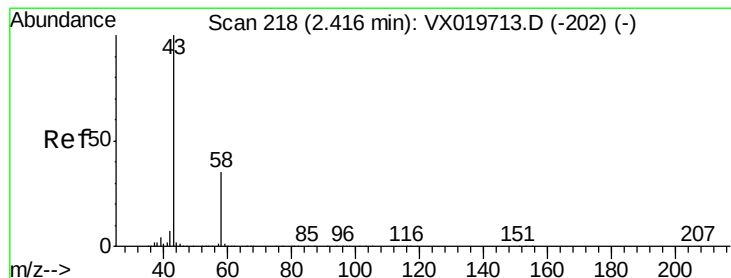
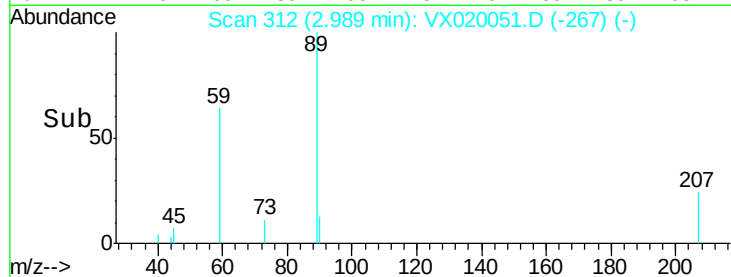
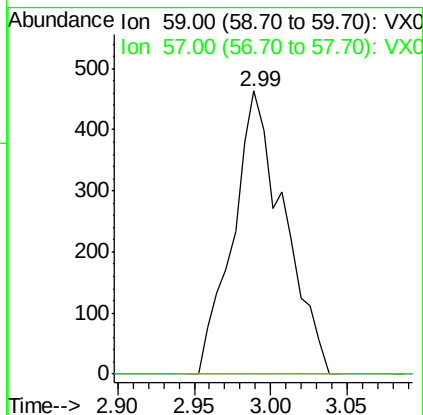
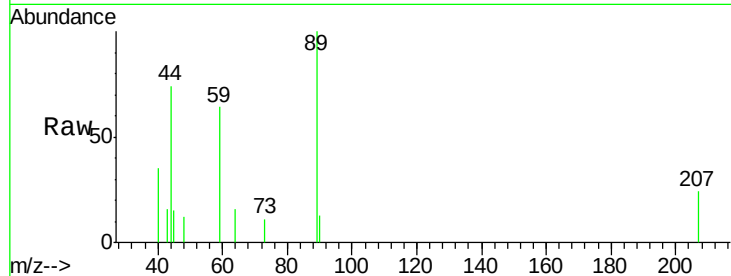


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

Instrument :
MSVOA_X
ClientSampled :
TR3-B-TOP

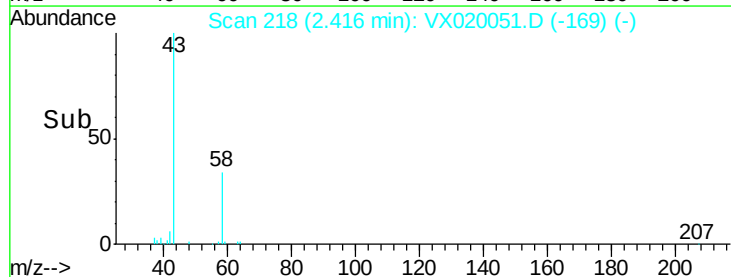
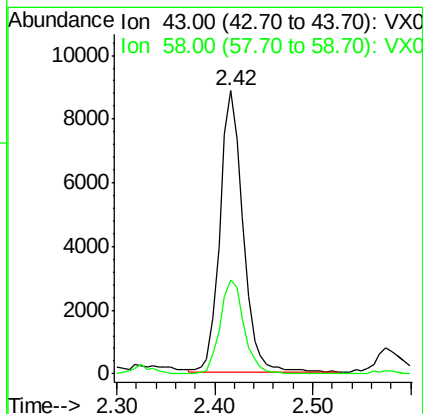
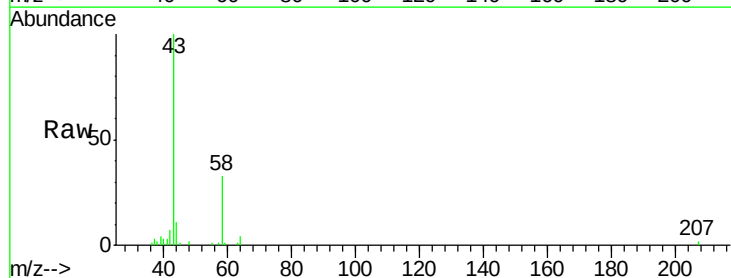
Tgt Ion: 59 Resp: 1075
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

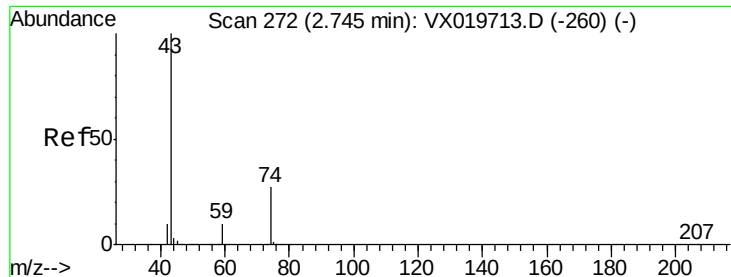


#16

Acetone
Concen: 9.461 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

Tgt Ion: 43 Resp: 14473
Ion Ratio Lower Upper
43 100
58 33.4 27.8 41.8

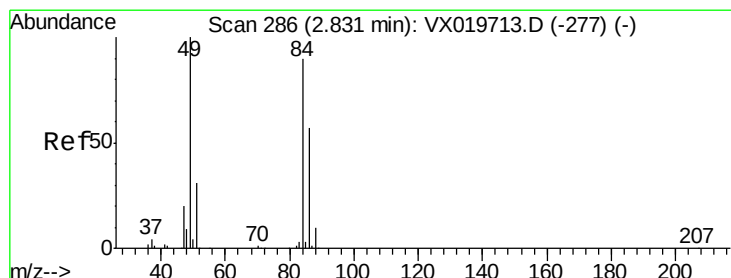
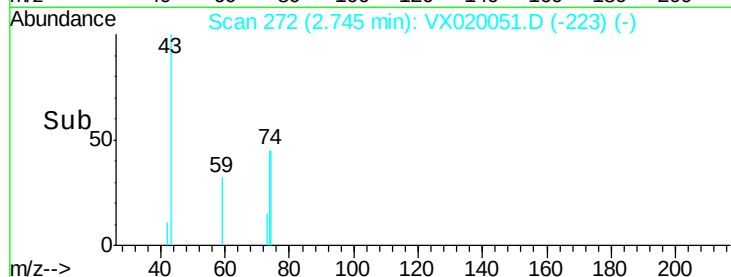
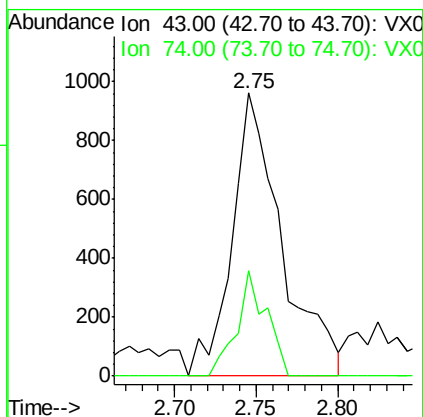
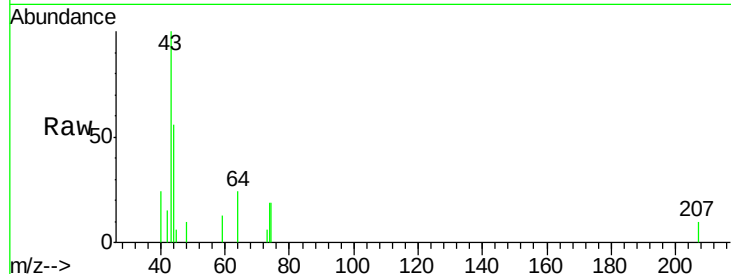




#18
Methyl Acetate
Concen: 0.543 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

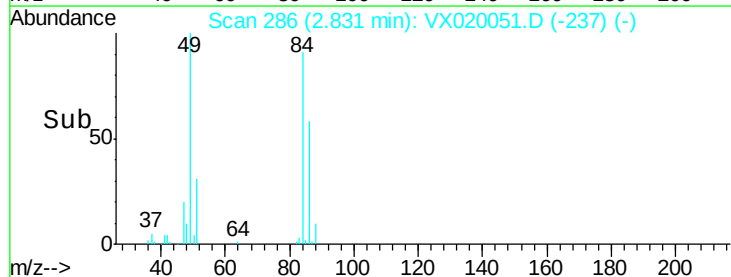
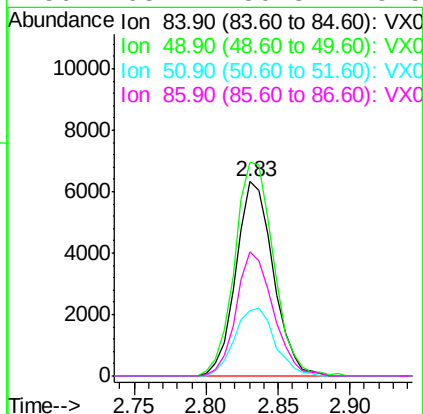
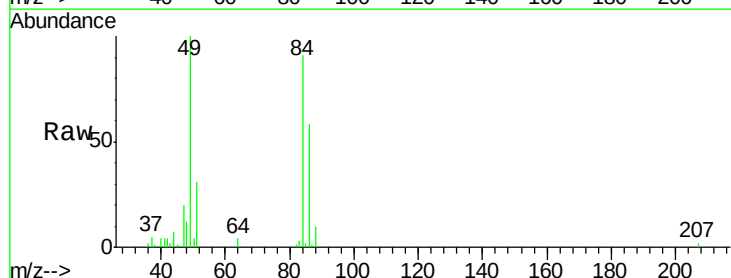
Instrument :
MSVOA_X
ClientSampled :
TR3-B-TOP

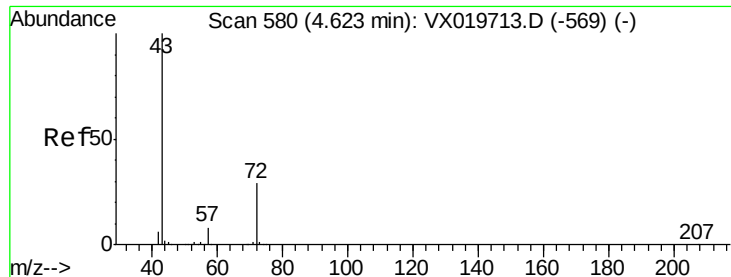
Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
74 22.3 21.9 32.9



#20
Methylene Chloride
Concen: 1.908 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

Tgt Ion: 84 Resp: 11440
Ion Ratio Lower Upper
84 100
49 110.0 88.6 132.8
51 33.6 27.0 40.6
86 63.7 50.3 75.5





#25

2-Butanone

Concen: 1.338 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

Instrument :

MSVOA_X

ClientSampled :

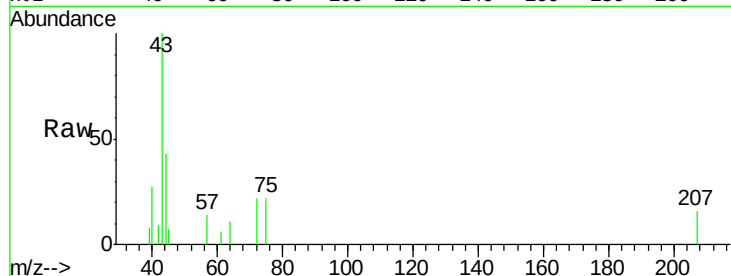
TR3-B-TOP

Tgt Ion: 43 Resp: 3146

Ion Ratio Lower Upper

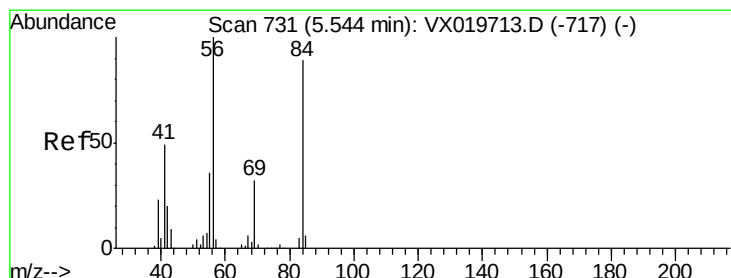
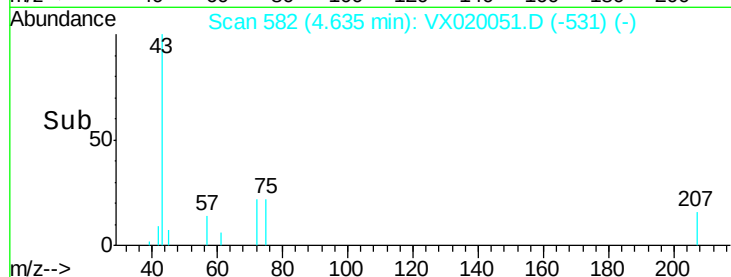
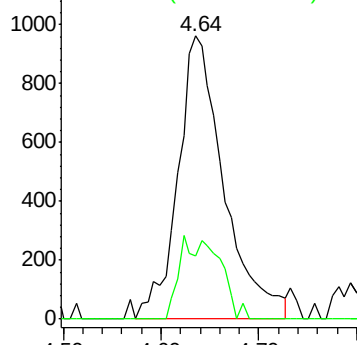
43 100

72 22.2 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

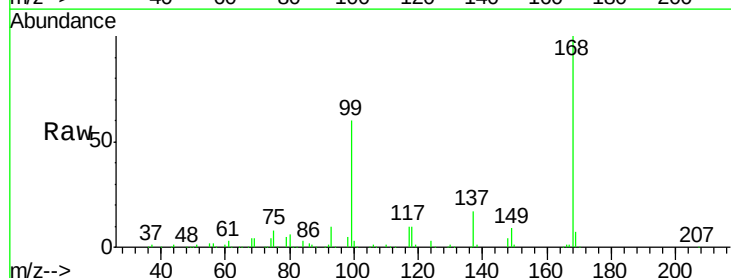
Tgt Ion: 56 Resp: 6170

Ion Ratio Lower Upper

56 100

69 181.0 25.3 37.9#

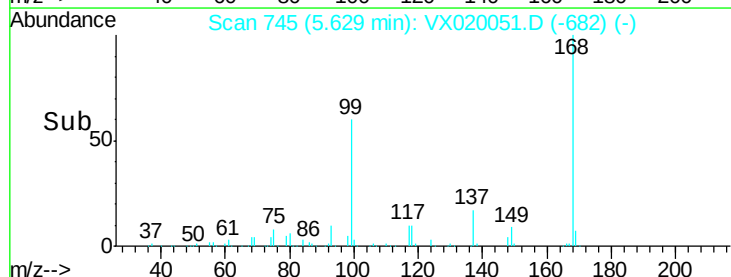
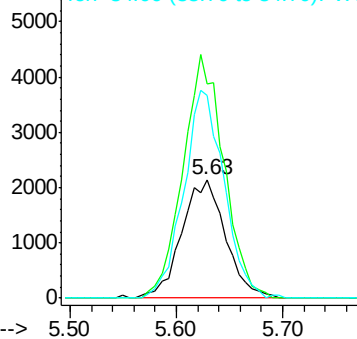
84 171.6 71.4 107.0#

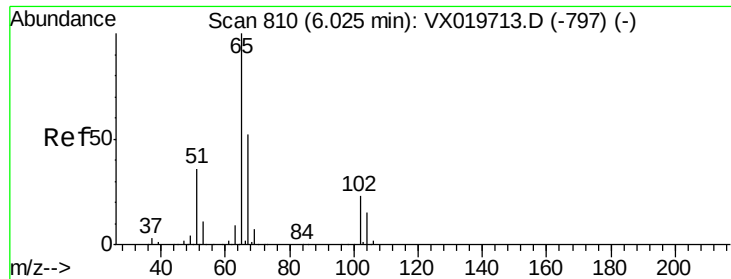


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

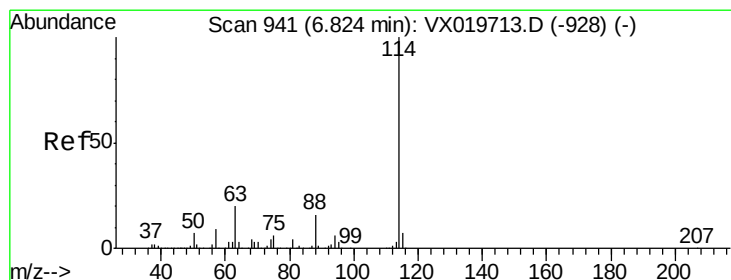
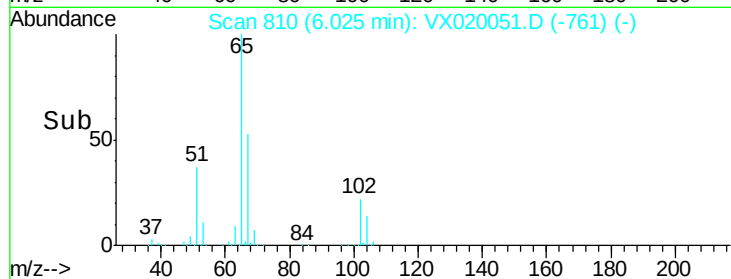
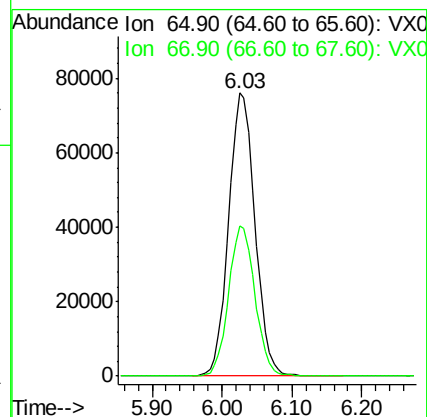
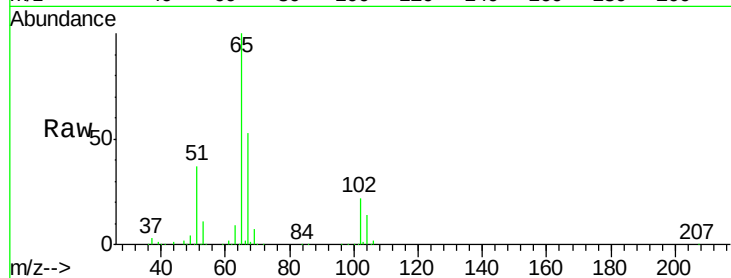




#33
 1,2-Dichloroethane-d4
 Concen: 48.973 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX020051.D
 Acq: 16 Dec 2020 07:17

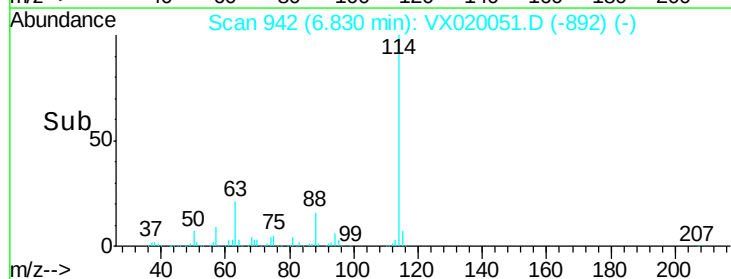
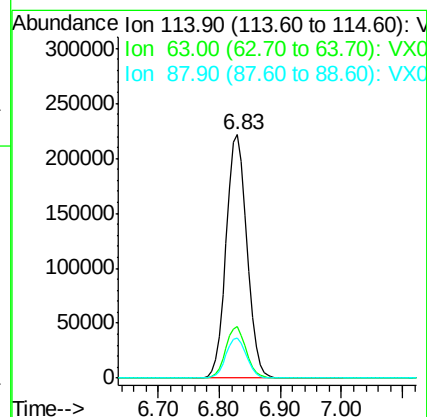
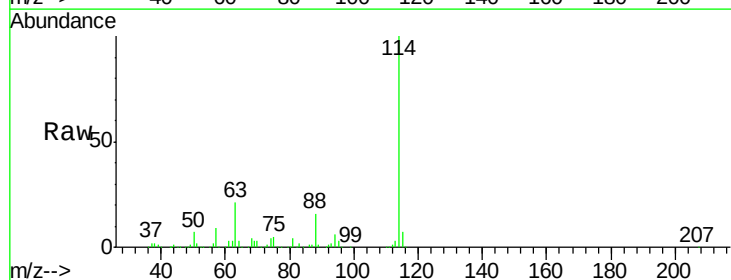
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-B-TOP

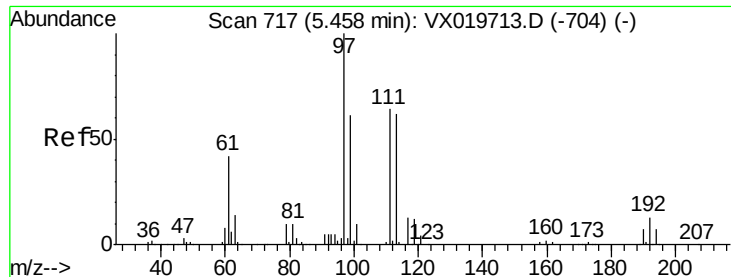
Tgt Ion: 65 Resp: 199314
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020051.D
 Acq: 16 Dec 2020 07:17

Tgt Ion: 114 Resp: 521625
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 16.4 0.0 32.8

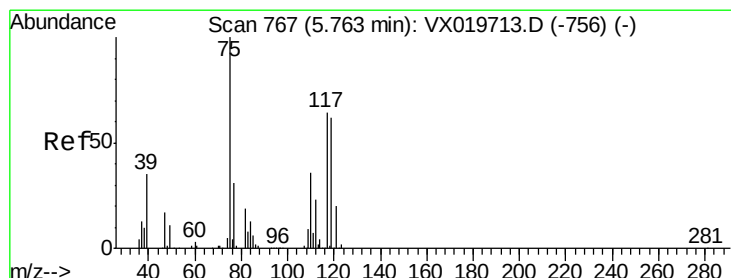
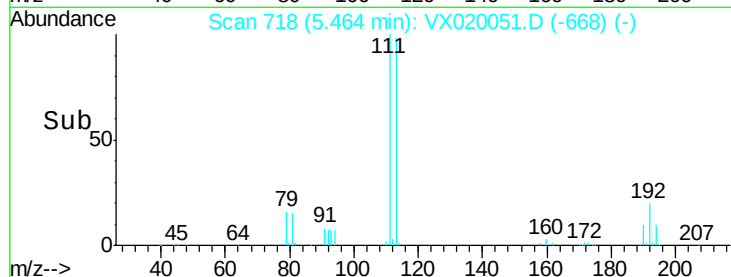
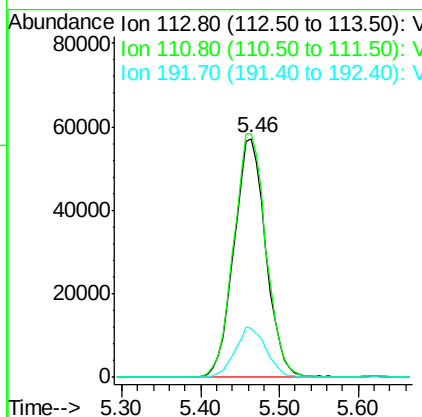
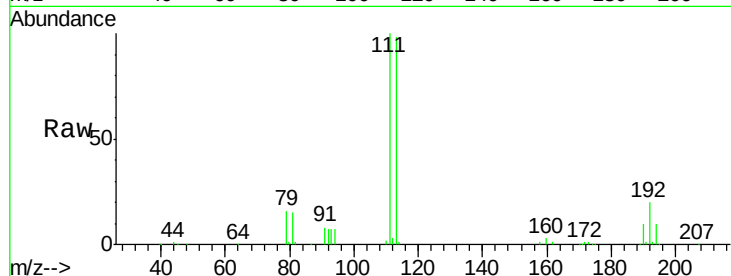




#35
 Dibromofluoromethane
 Concen: 47.746 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX020051.D
 Acq: 16 Dec 2020 07:17

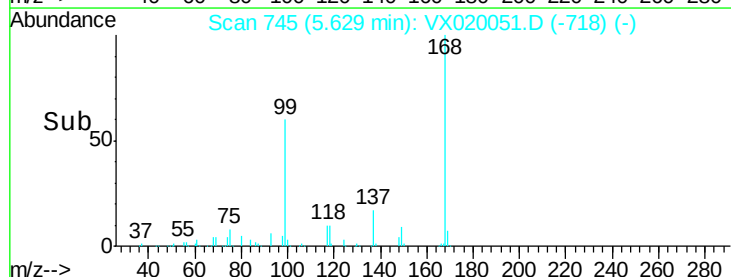
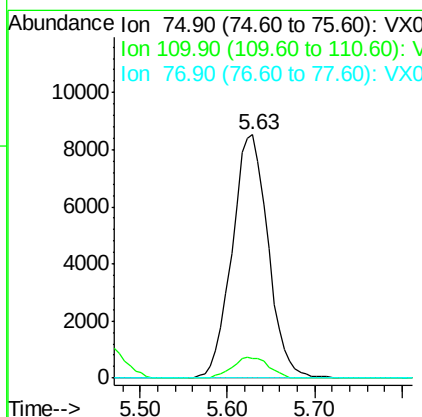
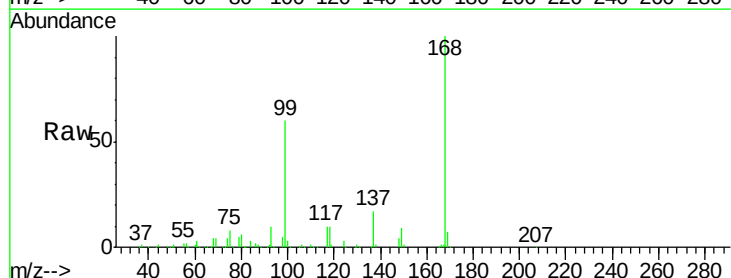
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-B-TOP

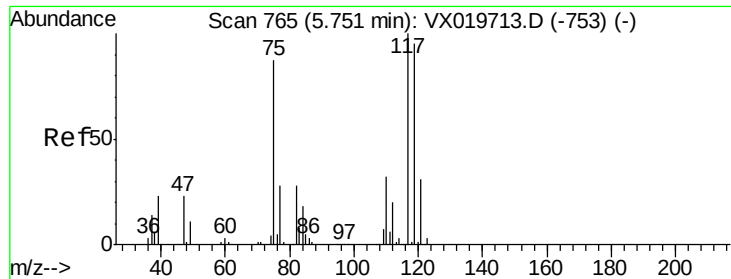
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	20.7	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.178 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX020051.D
 Acq: 16 Dec 2020 07:17

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





#38

Carbon Tetrachloride

Concen: 6.585 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

Instrument :

MSVOA_X

ClientSampled :

TR3-B-TOP

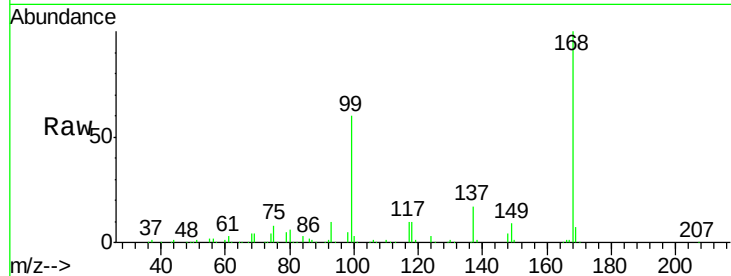
Tgt Ion:117 Resp: 30396

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

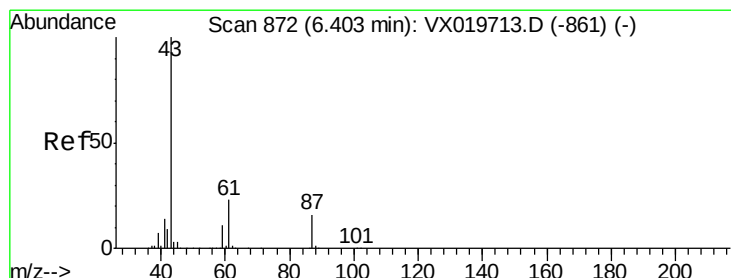
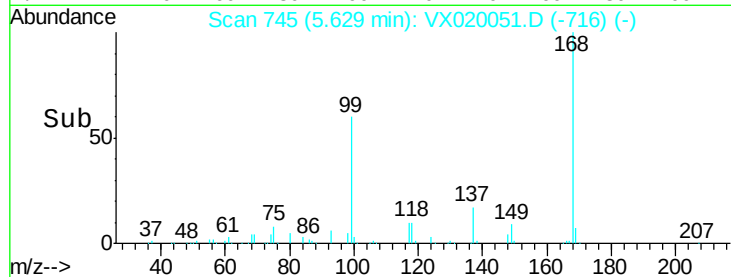
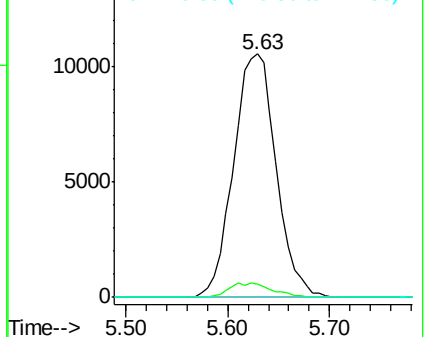
121 0.0 24.8 37.2#



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: 2.183 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

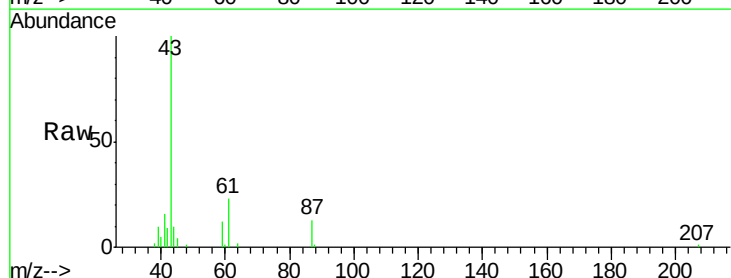
Tgt Ion: 43 Resp: 16890

Ion Ratio Lower Upper

43 100

61 22.6 18.2 27.4

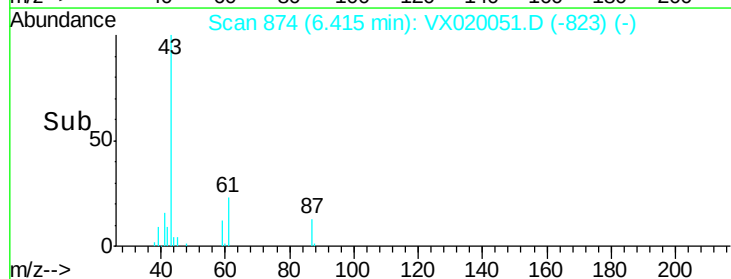
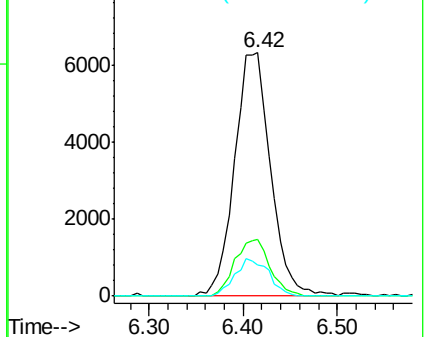
87 14.4 12.5 18.7

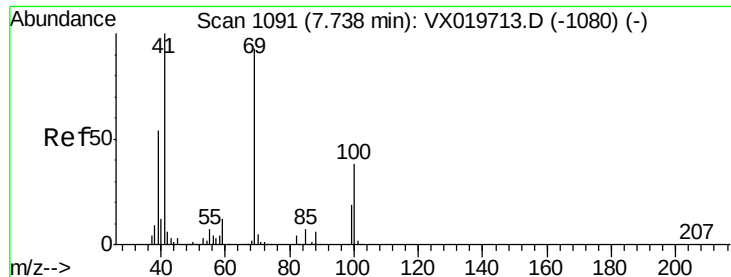


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

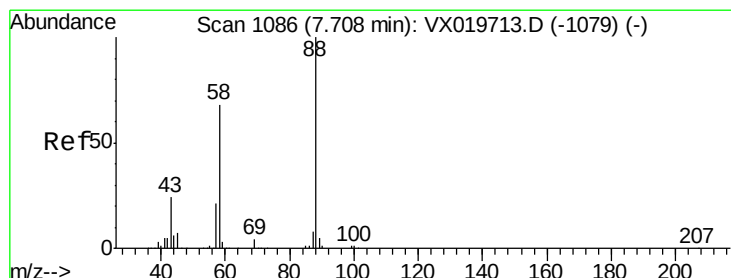
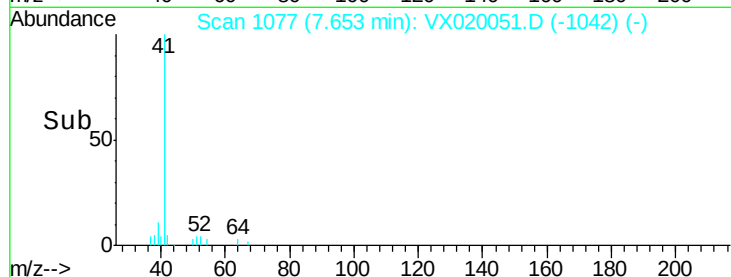
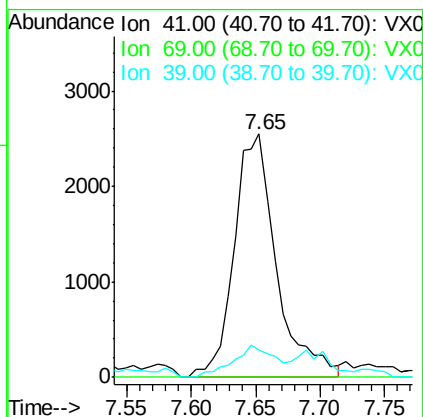
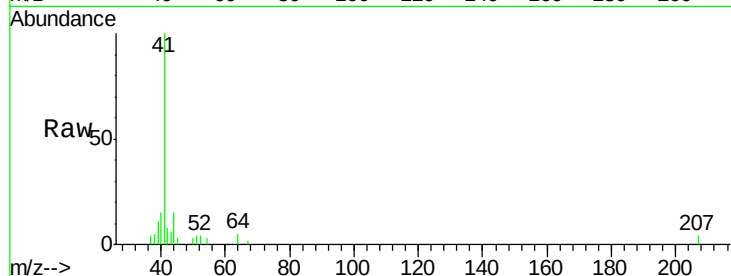




#48
Methyl methacrylate
Concen: 1.522 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

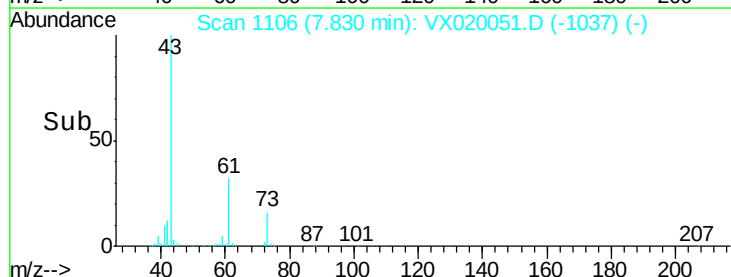
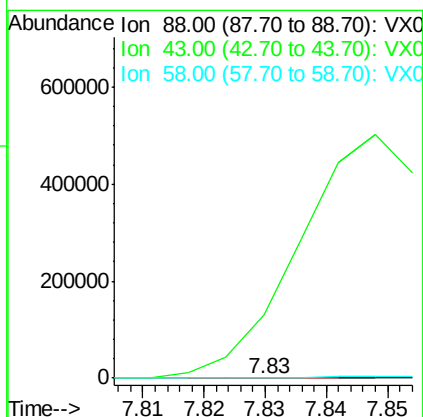
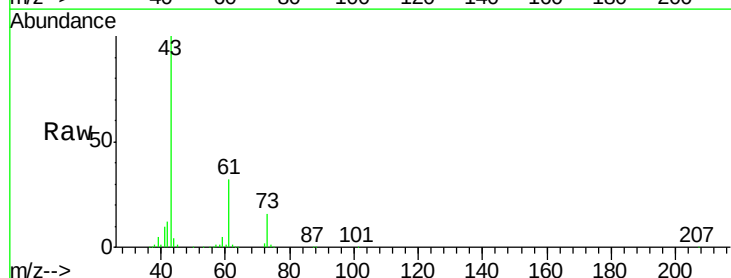
Instrument :
MSVOA_X
ClientSampleId :
TR3-B-TOP

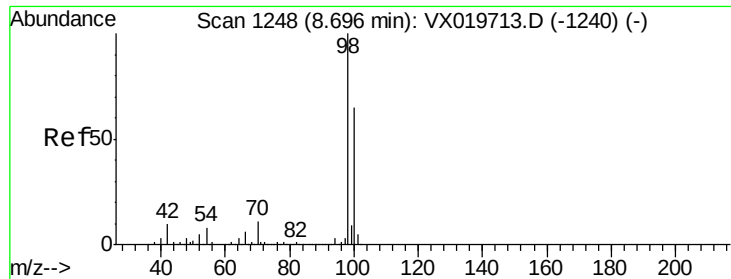
Tgt Ion: 41 Resp: 5790
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 0.824 ug/l
RT: 7.83 min Scan# 1106
Delta R.T. 0.12 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 55.0 82.4#





#50

Toluene-d8

Concen: 50.198 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

Instrument :

MSVOA_X

ClientSampleId :

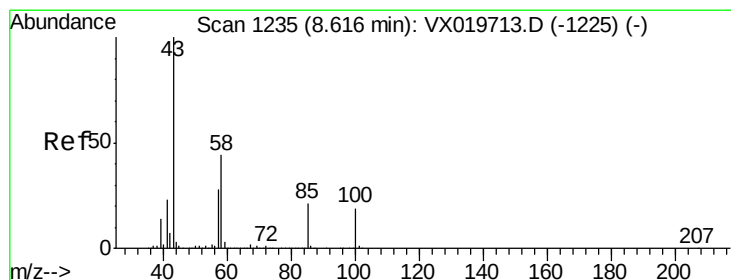
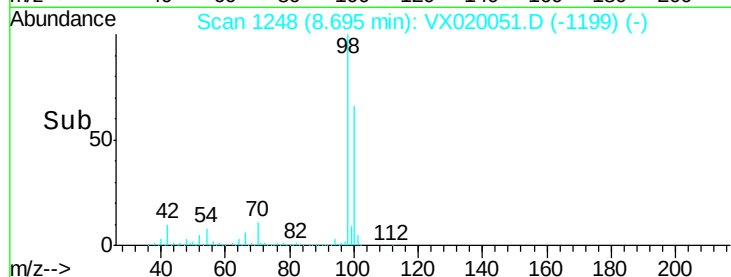
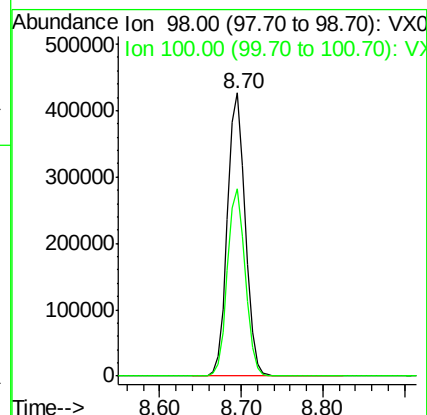
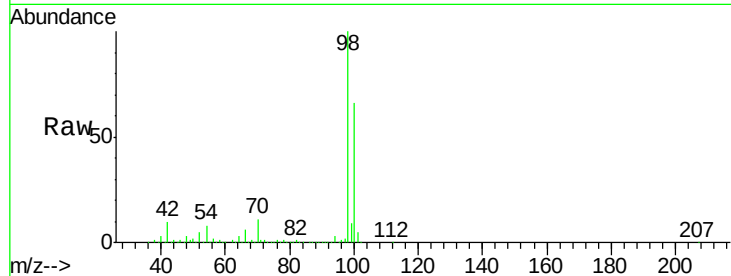
TR3-B-TOP

Tgt Ion: 98 Resp: 646070

Ion Ratio Lower Upper

98 100

100 66.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 13.282 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX020051.D

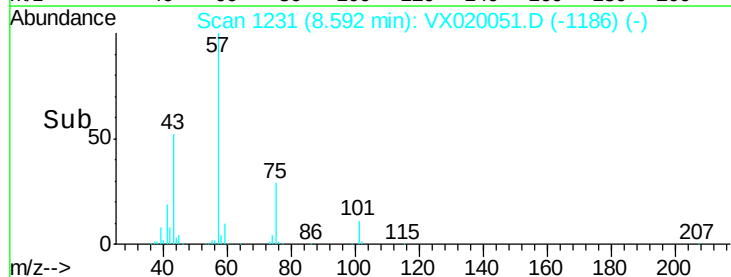
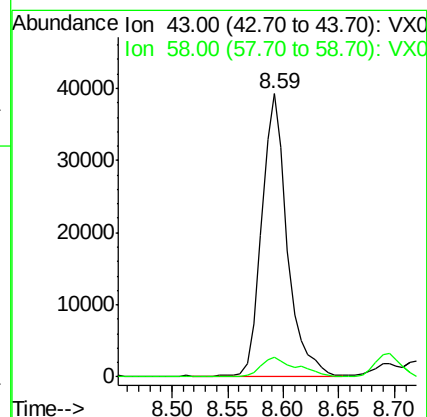
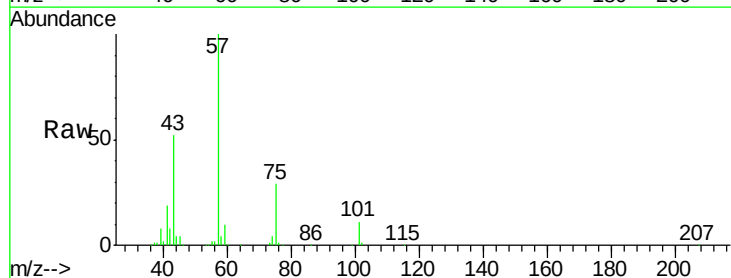
Acq: 16 Dec 2020 07:17

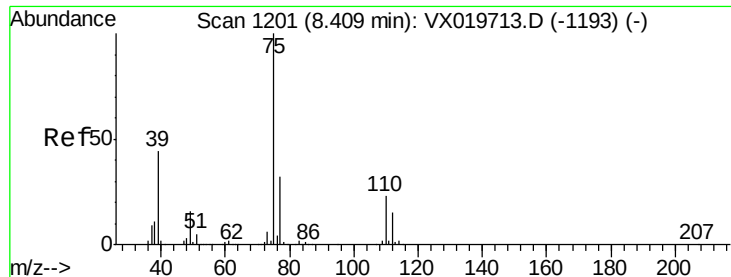
Tgt Ion: 43 Resp: 62742

Ion Ratio Lower Upper

43 100

58 9.8 35.4 53.0#



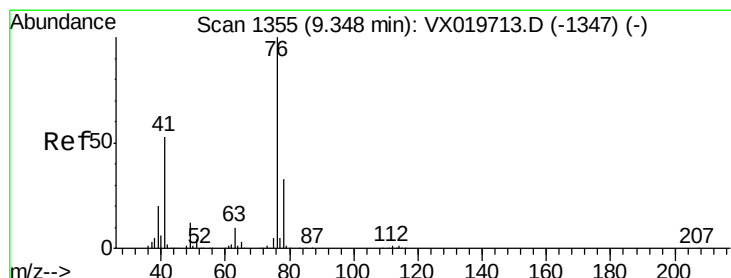
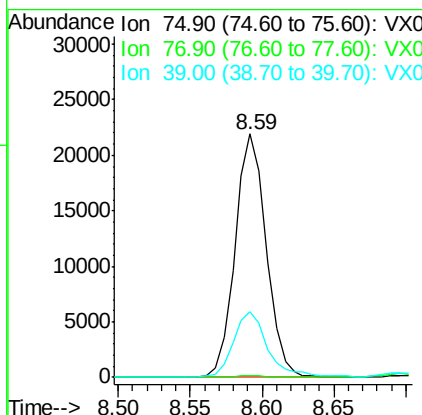
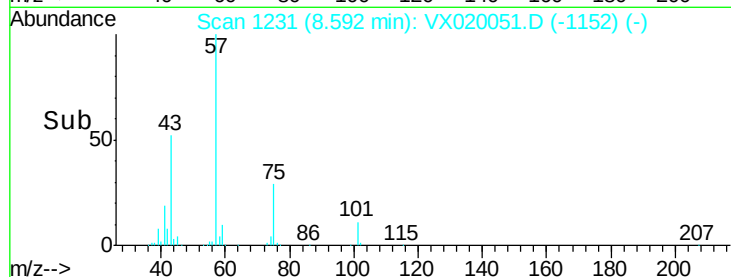
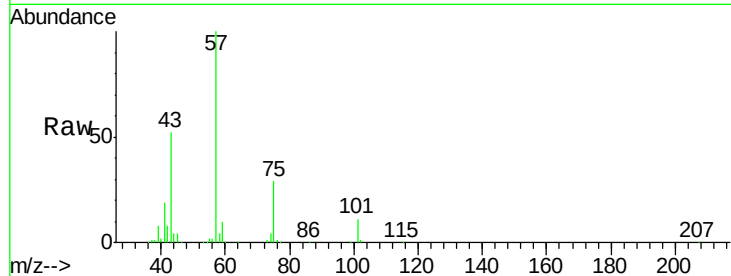


#54

cis-1,3-Dichloropropene
 Concen: 5.663 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020051.D
 Acq: 16 Dec 2020 07:17

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-B-TOP

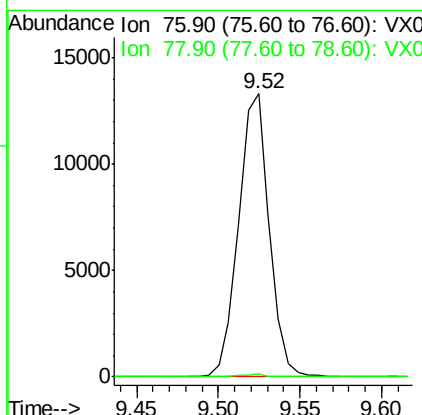
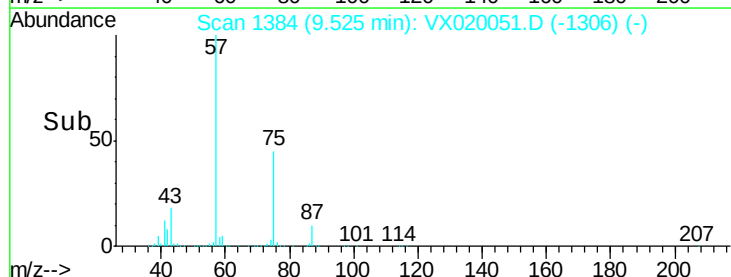
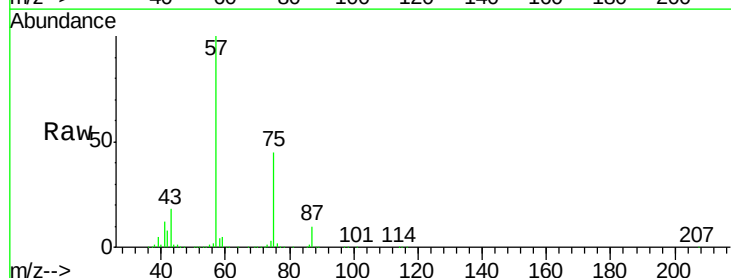
Tgt Ion: 75 Resp: 32925
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 26.9 35.1 52.7#

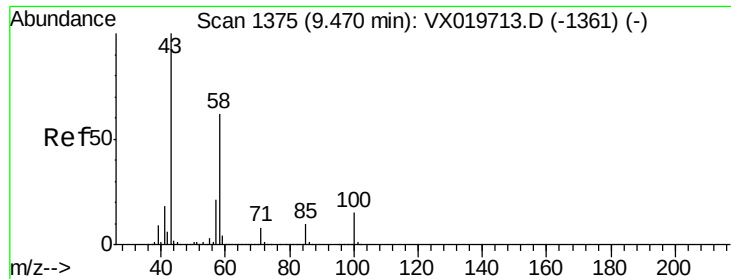


#57

1,3-Dichloropropane
 Concen: 2.806 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX020051.D
 Acq: 16 Dec 2020 07:17

Tgt Ion: 76 Resp: 17391
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

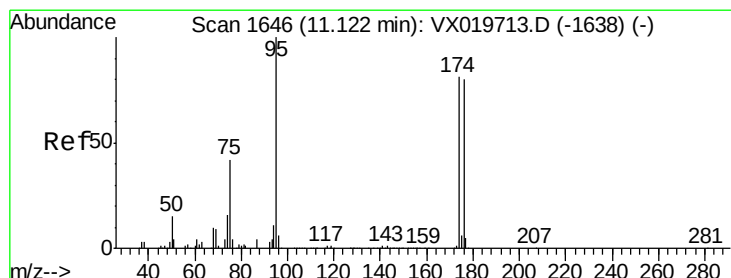
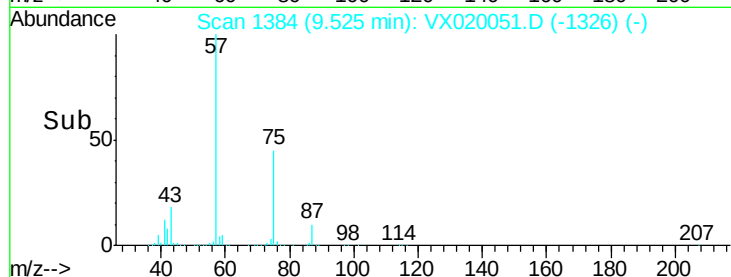
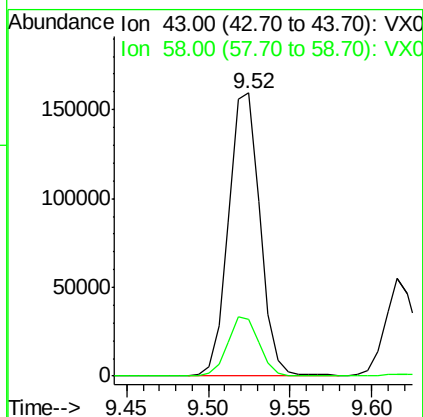
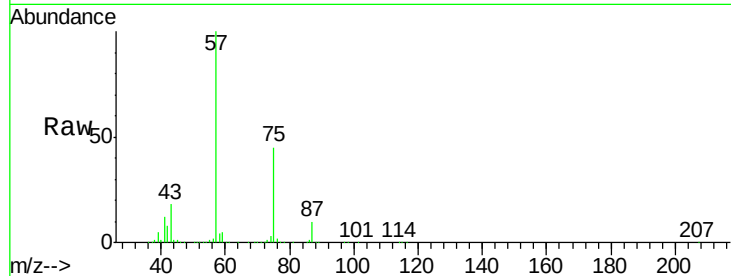




#59
2-Hexanone
Concen: 58.073 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

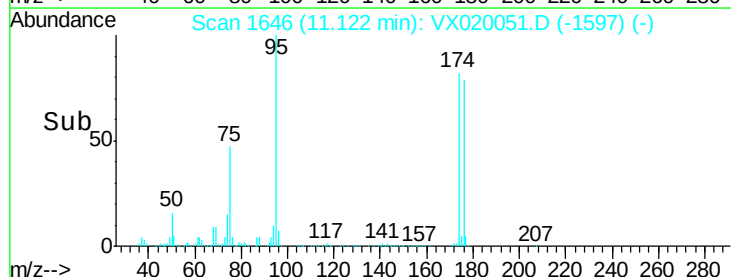
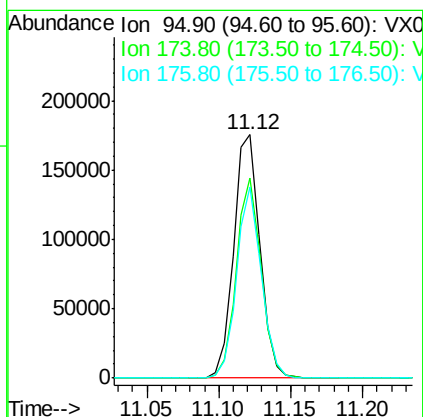
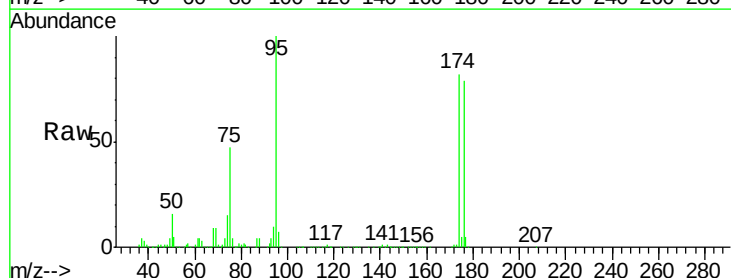
Instrument :
MSVOA_X
ClientSampleId :
TR3-B-TOP

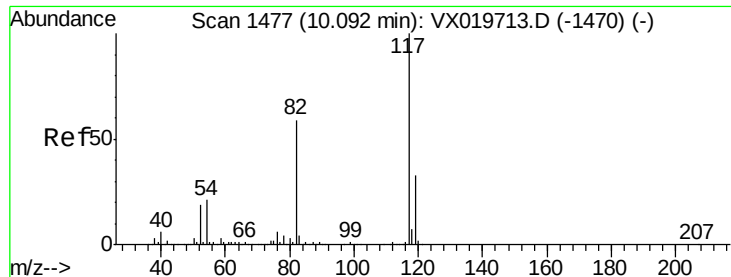
Tgt Ion: 43 Resp: 212645
Ion Ratio Lower Upper
43 100
58 20.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.653 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

Tgt Ion: 95 Resp: 223636
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 73.9 0.0 155.8

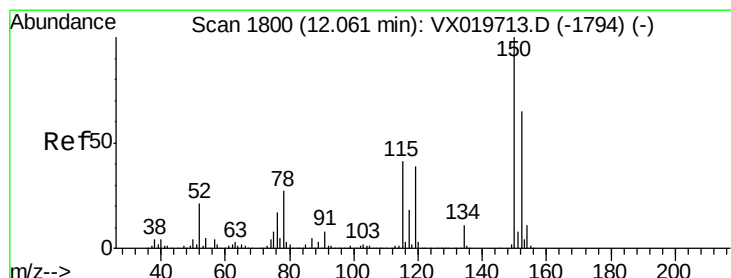
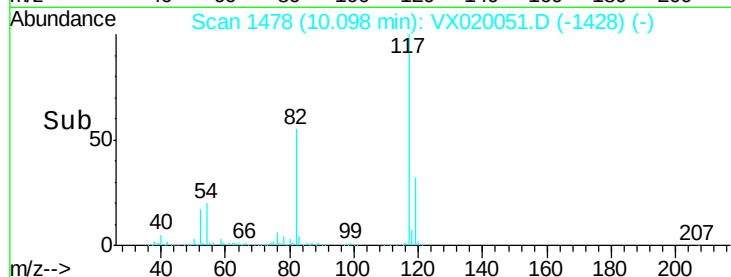
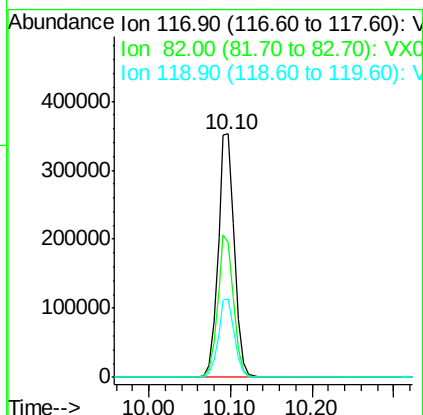
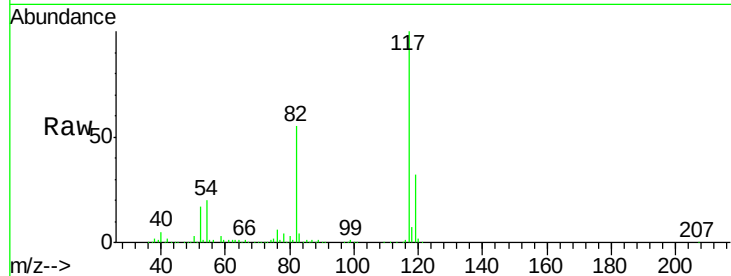




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

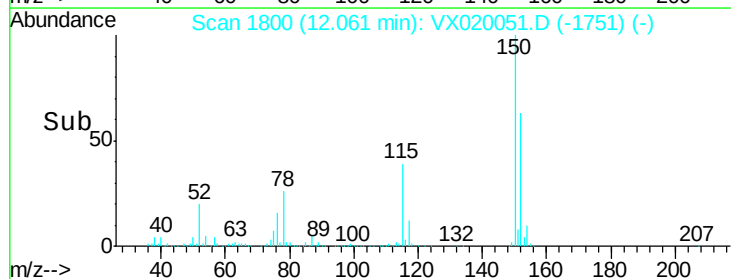
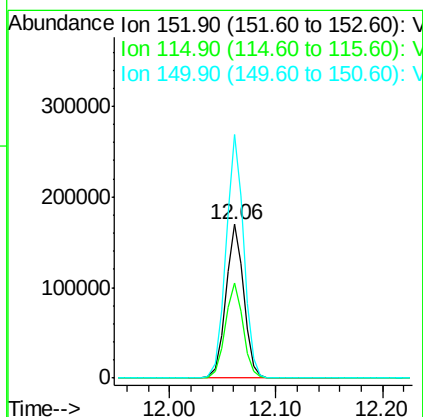
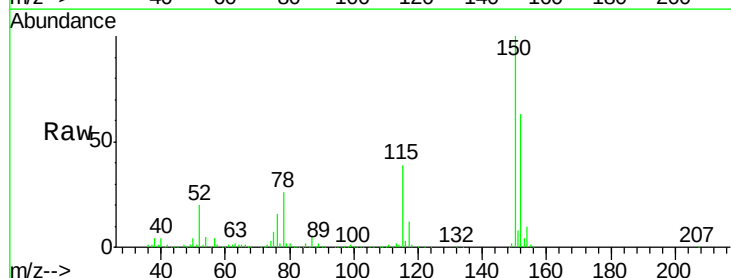
Instrument :
MSVOA_X
ClientSampleId :
TR3-B-TOP

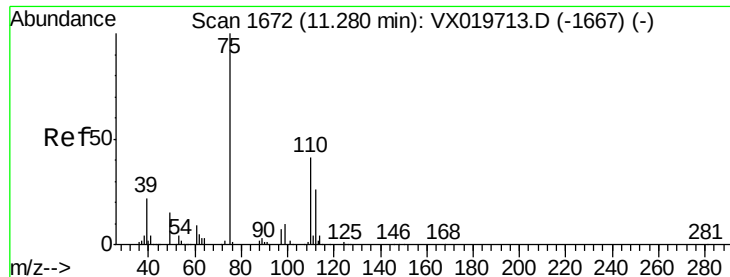
Tgt Ion:117 Resp: 491677
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020051.D
Acq: 16 Dec 2020 07:17

Tgt Ion:152 Resp: 199611
Ion Ratio Lower Upper
152 100
115 61.4 41.1 123.3
150 157.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.108 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

Instrument :

MSVOA_X

ClientSampleId :

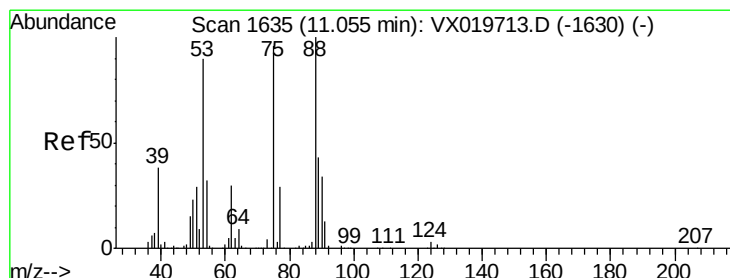
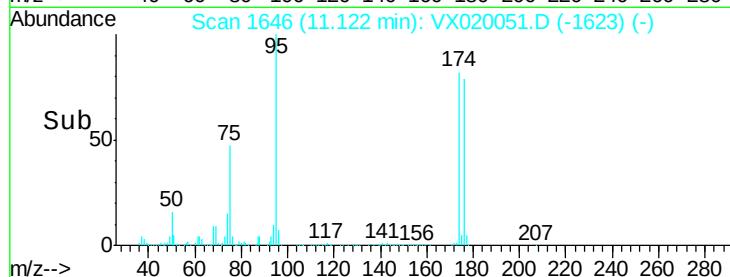
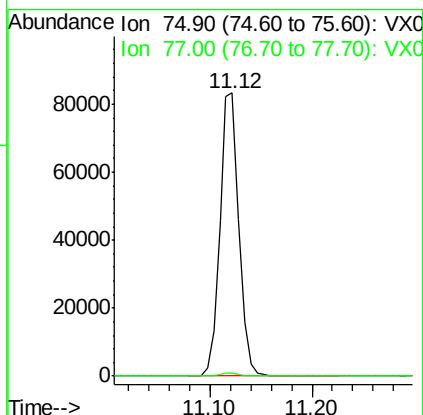
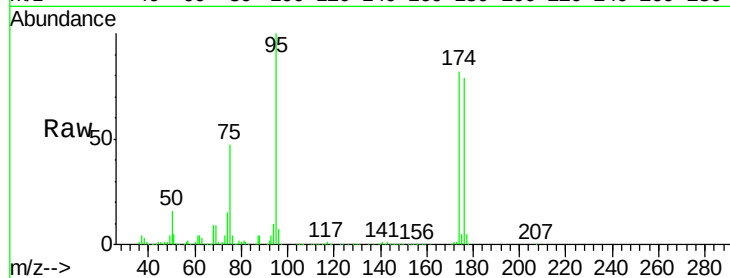
TR3-B-TOP

Tgt Ion: 75 Resp: 107929

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.691 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020051.D

Acq: 16 Dec 2020 07:17

Tgt Ion: 75 Resp: 107929

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

