

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019948.D
 Acq On : 12 Dec 2020 21:27
 Operator : JC/MD
 Sample : L4984-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-D-TOP

Quant Time: Dec 14 08:20:58 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	301621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	508639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	472318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189499	50.00	ug/l	0.00

System Monitoring Compounds

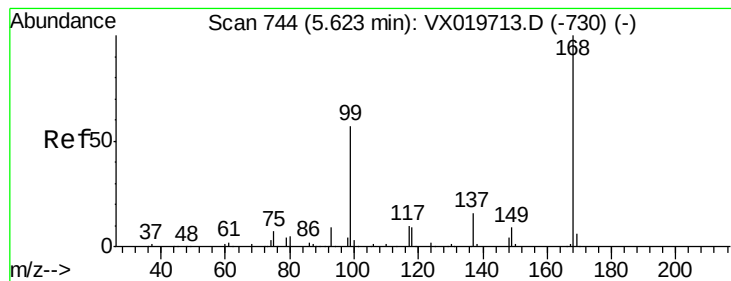
33) 1,2-Dichloroethane-d4	6.03	65	195248	49.25	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.50%
35) Dibromofluoromethane	5.46	113	157701	47.97	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.94%
50) Toluene-d8	8.70	98	637113	50.77	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.54%
62) 4-Bromofluorobenzene	11.12	95	211127	44.20	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.40%

Target Compounds

					Qvalue	
5) Bromomethane	1.63	94	422	0.371	ug/l #	80
11) Tert butyl alcohol	2.99	59	7281	6.388	ug/l #	75
13) Acrolein	2.28	56	203	0.464	ug/l	87
16) Acetone	2.42	43	23745	15.936	ug/l	97
18) Methyl Acetate	2.75	43	2928	0.803	ug/l	96
20) Methylene Chloride	2.83	84	27357	6.814	ug/l	95
25) 2-Butanone	4.64	43	3678	1.606	ug/l	92
29) Tetrahydrofuran	5.09	42	687	0.466	ug/l	93
31) Cyclohexane	5.62	56	6026	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23314	5.072	ug/l #	49
37) Ethyl Acetate	4.64	43	3678	0.793	ug/l #	67
38) Carbon Tetrachloride	5.63	117	29472	6.548	ug/l #	17
43) Isopropyl Acetate	6.41	43	19147	2.538	ug/l	99
48) Methyl methacrylate	7.65	41	5529	1.490	ug/l #	10
49) 1,4-Dioxane	7.84	88	211	2.347	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	67731	14.704	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	35441	6.252	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	20362	3.370	ug/l #	43
59) 2-Hexanone	9.52	43	249504	69.879	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	101802	23.953	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	101802	69.243	ug/l #	12

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\  
Data File : VX019948.D  
Acq On    : 12 Dec 2020   21:27  
Operator  : JC/MD  
Sample    : L4984-10  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 24   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampleId :

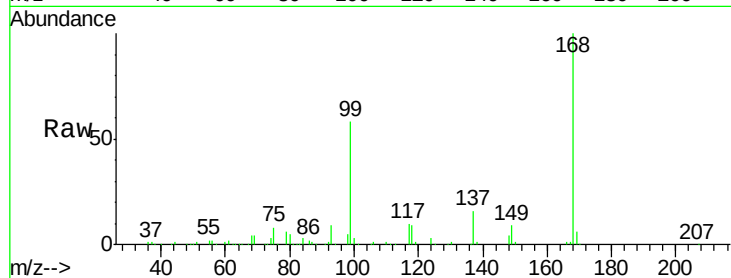
TR3-D-TOP

Tgt Ion: 168 Resp: 301621

Ion Ratio Lower Upper

168 100

99 57.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

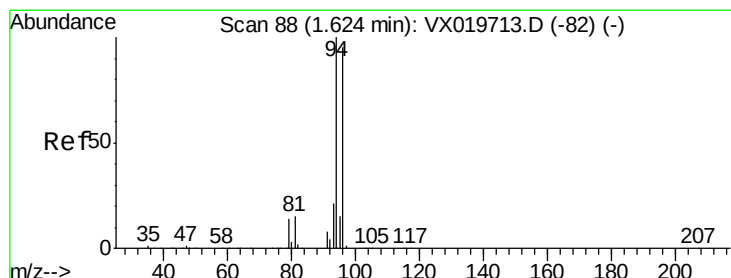
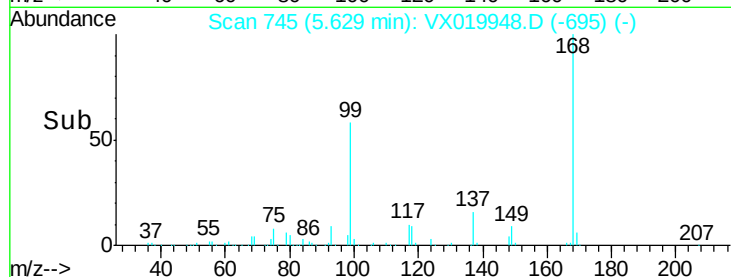
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.371 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019948.D

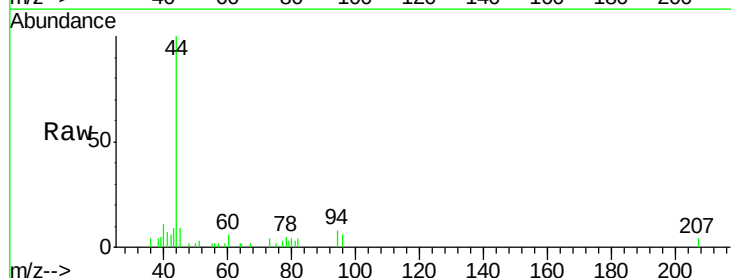
Acq: 12 Dec 2020 21:27

Tgt Ion: 94 Resp: 422

Ion Ratio Lower Upper

94 100

96 75.7 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

250

200

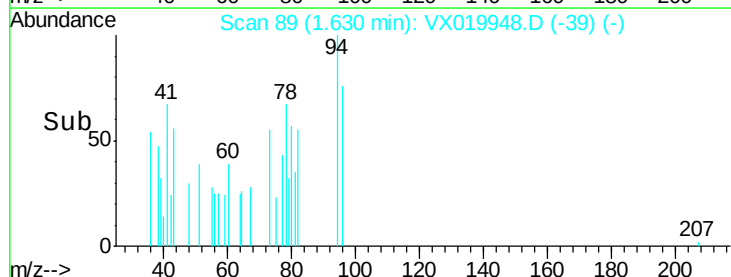
150

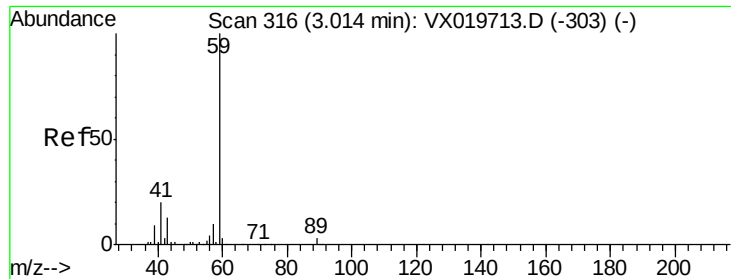
100

50

0

Time-->

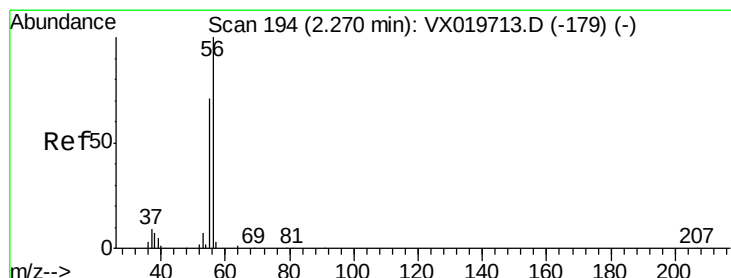
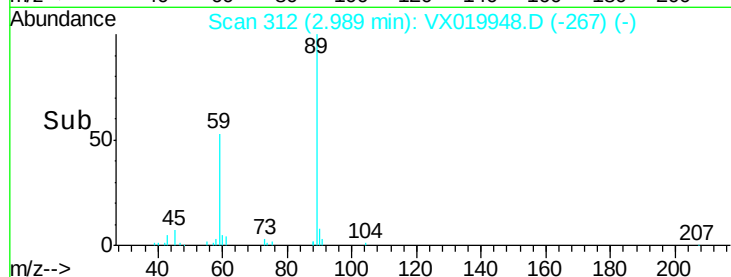
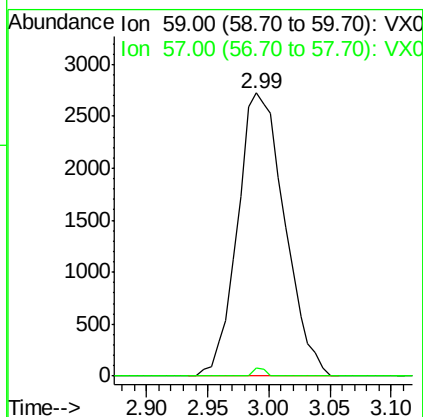
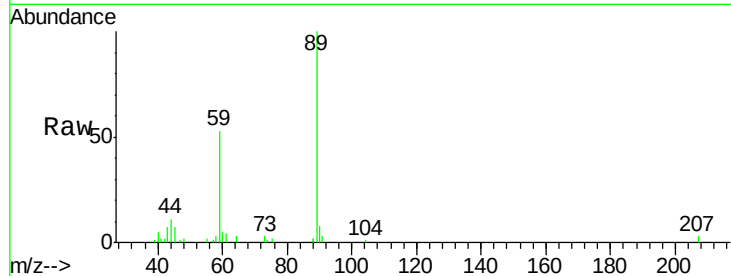




#11
Tert butyl alcohol
Concen: 6.388 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019948.D
Acq: 12 Dec 2020 21:27

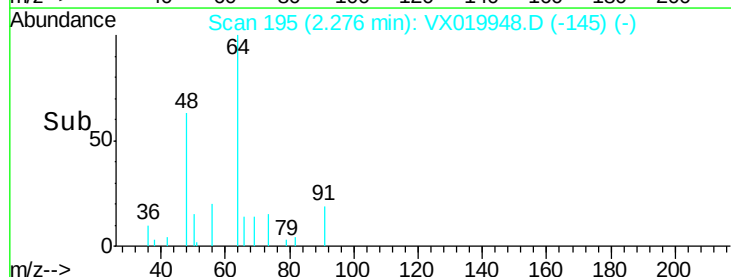
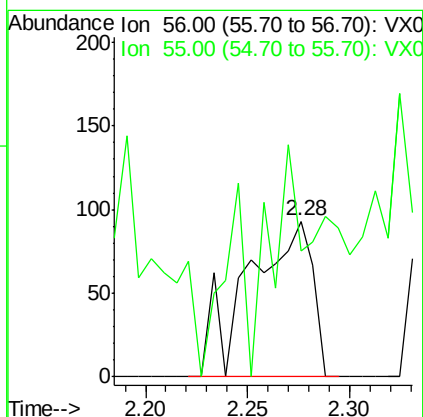
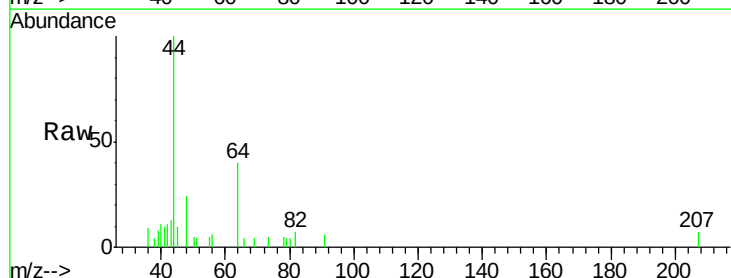
Instrument :
MSVOA_X
ClientSampled :
TR3-D-TOP

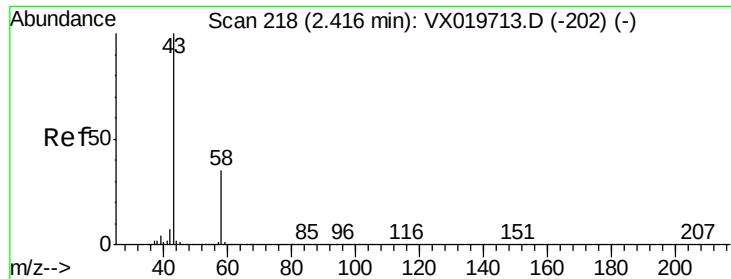
Tgt Ion: 59 Resp: 7281
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.8#



#13
Acrolein
Concen: 0.464 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019948.D
Acq: 12 Dec 2020 21:27

Tgt Ion: 56 Resp: 203
Ion Ratio Lower Upper
56 100
55 81.3 56.4 84.6





#16

Acetone

Concen: 15.936 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampleId :

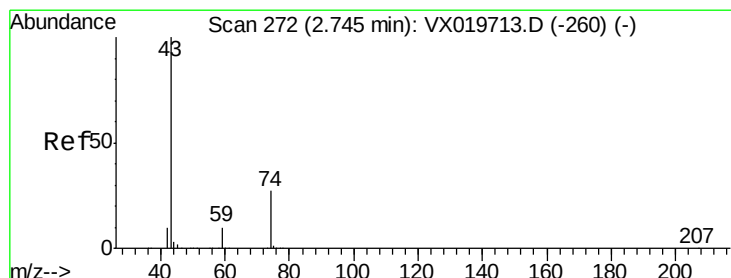
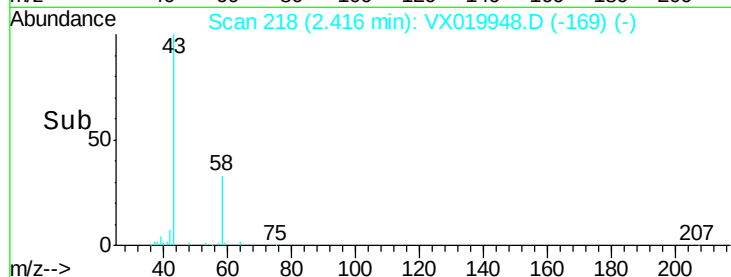
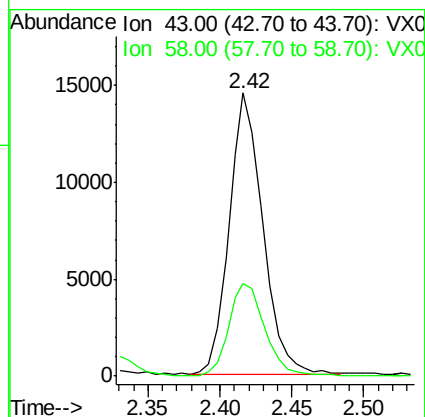
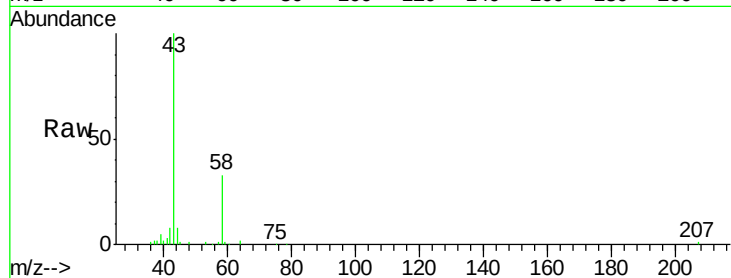
TR3-D-TOP

Tgt Ion: 43 Resp: 23745

Ion Ratio Lower Upper

43 100

58 32.9 27.8 41.8



#18

Methyl Acetate

Concen: 0.803 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019948.D

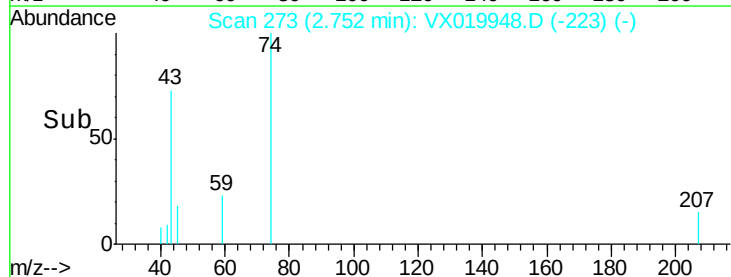
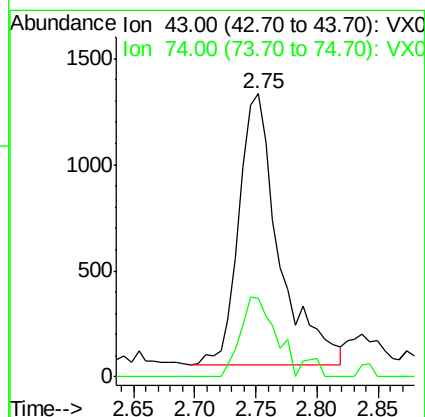
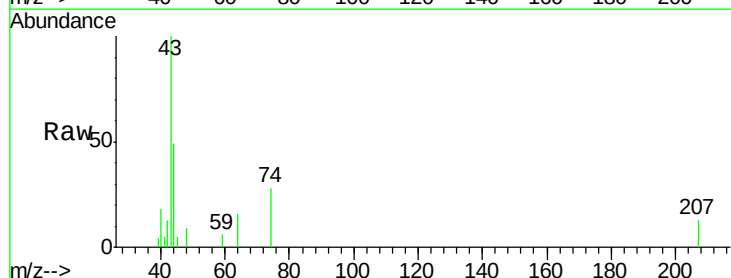
Acq: 12 Dec 2020 21:27

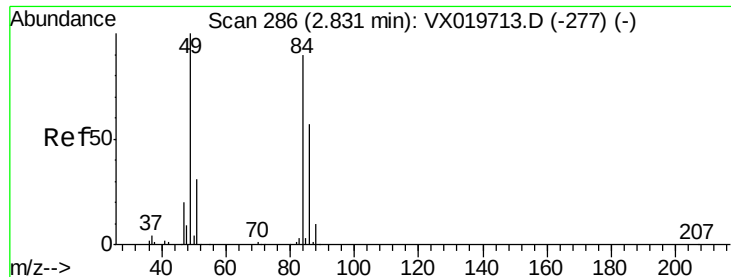
Tgt Ion: 43 Resp: 2928

Ion Ratio Lower Upper

43 100

74 25.2 21.9 32.9

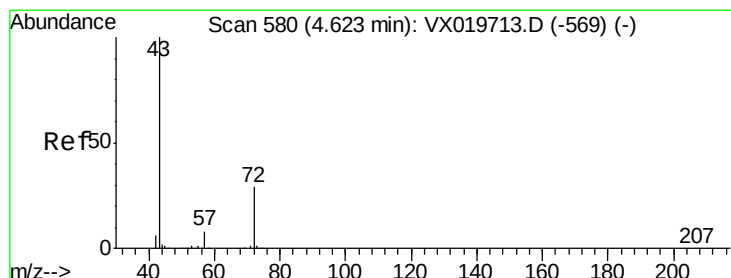
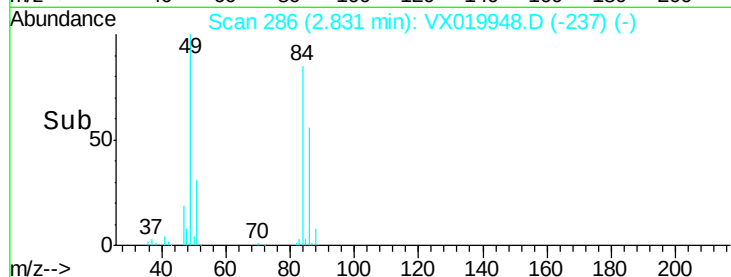
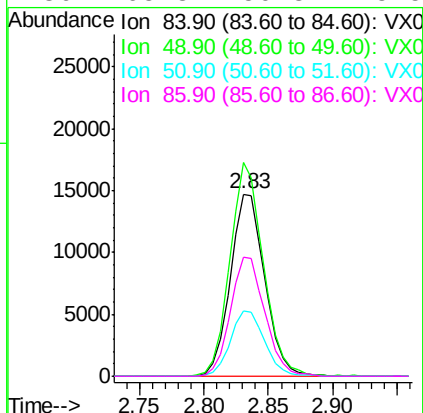
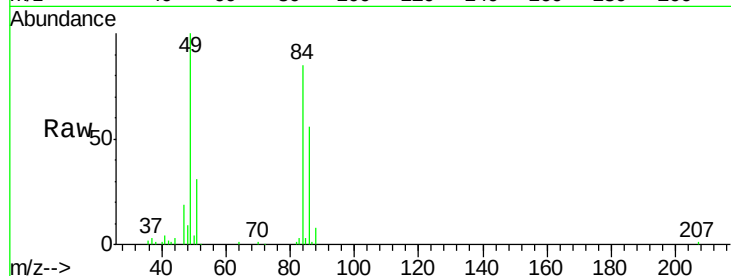




#20
Methylene Chloride
Concen: 6.814 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019948.D
Acq: 12 Dec 2020 21:27

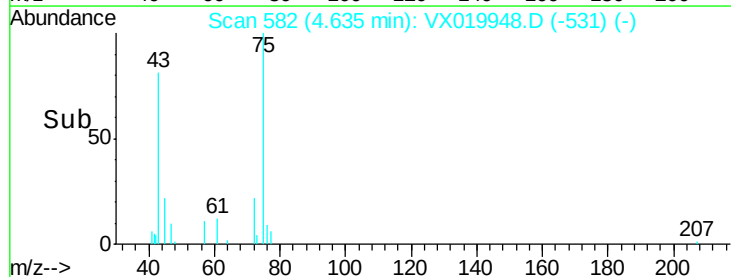
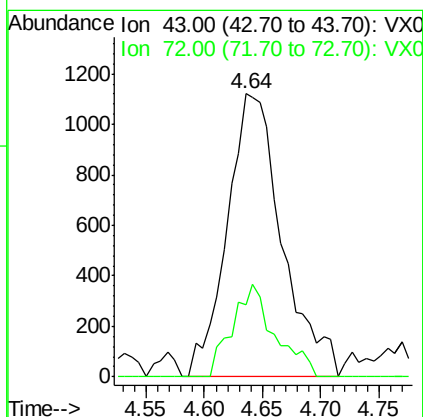
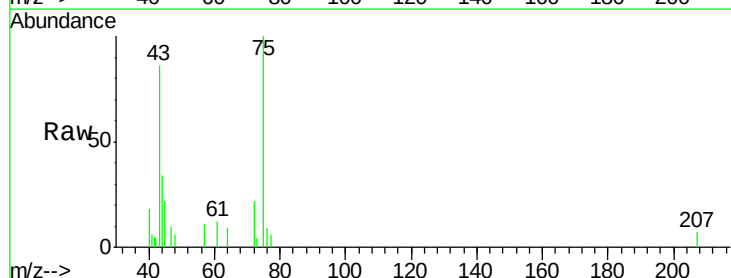
Instrument :
MSVOA_X
ClientSampled :
TR3-D-TOP

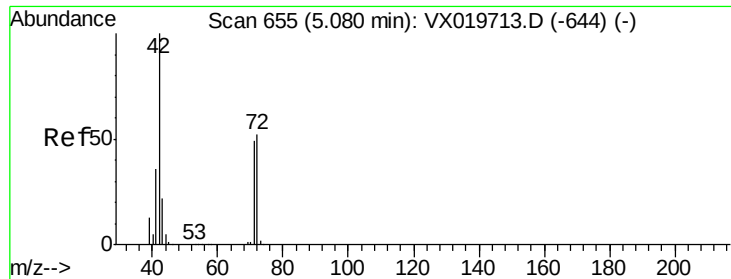
Tgt Ion:	84	Resp:	27357
Ion	Ratio	Lower	Upper
84	100		
49	117.4	88.6	132.8
51	35.9	27.0	40.6
86	65.3	50.3	75.5



#25
2-Butanone
Concen: 1.606 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019948.D
Acq: 12 Dec 2020 21:27

Tgt Ion:	43	Resp:	3678
Ion	Ratio	Lower	Upper
43	100		
72	25.3	23.7	35.5

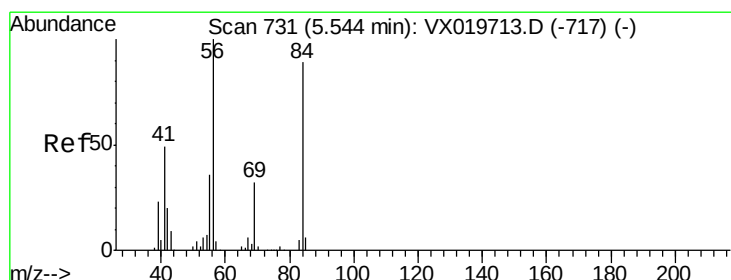
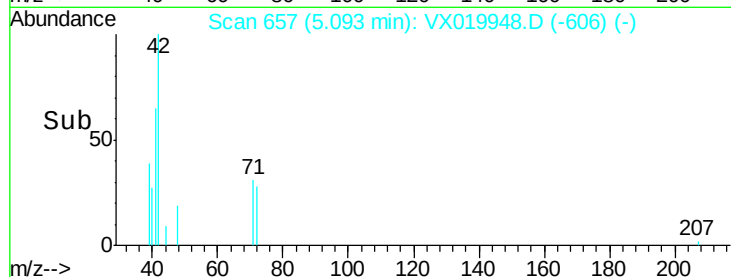
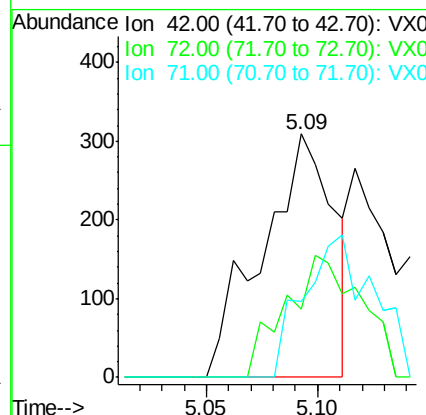
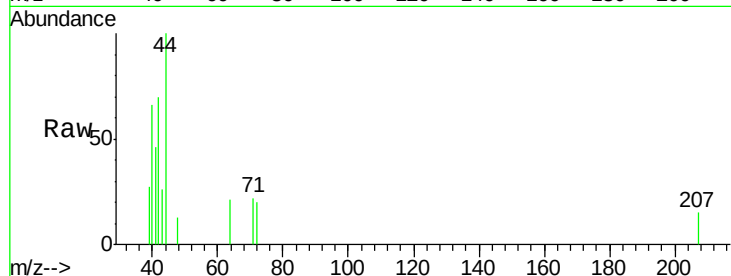




#29
Tetrahydrofuran
Concen: 0.466 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX019948.D
Acq: 12 Dec 2020 21:27

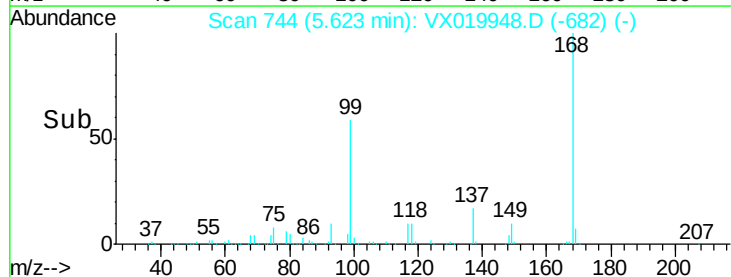
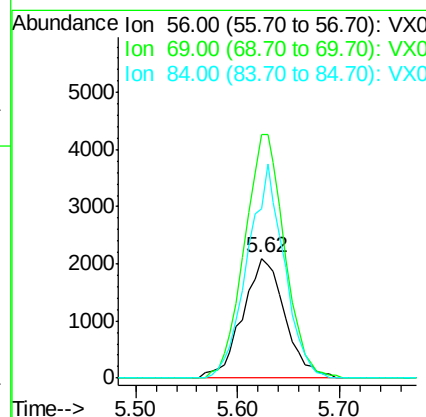
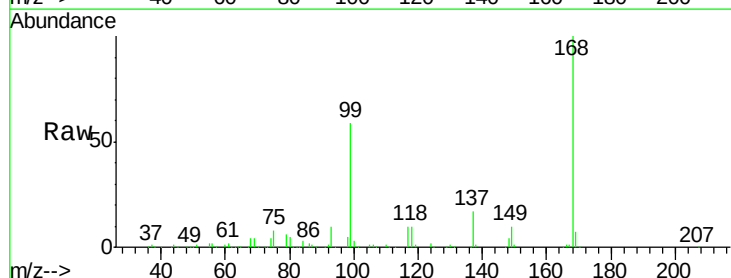
Instrument :
MSVOA_X
ClientSampleId :
TR3-D-TOP

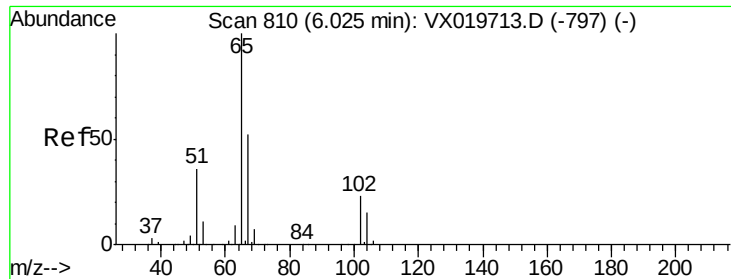
Tgt Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 53.1 41.7 62.5
71 56.6 38.4 57.6



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019948.D
Acq: 12 Dec 2020 21:27

Tgt Ion: 56 Resp: 6026
Ion Ratio Lower Upper
56 100
69 203.3 25.3 37.9#
84 142.1 71.4 107.0#

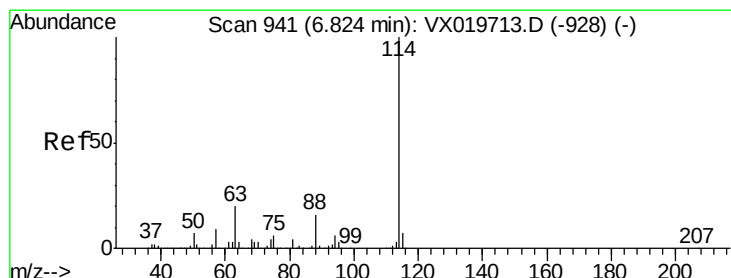
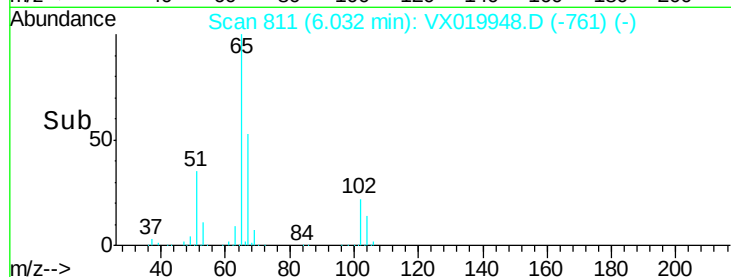
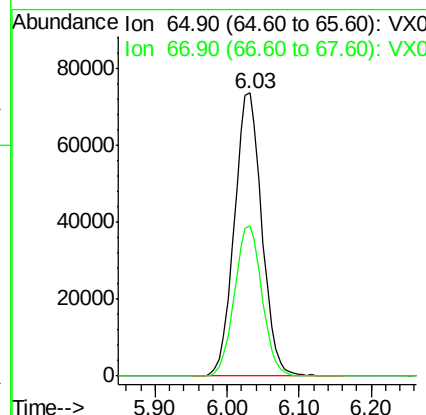
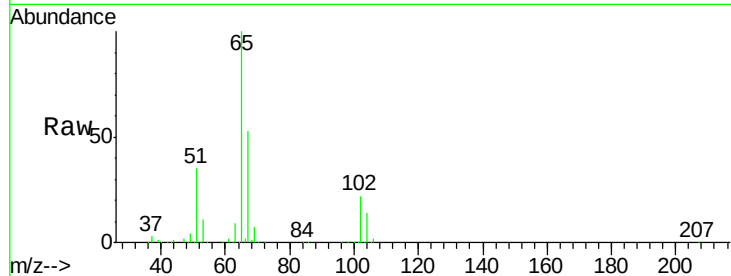




#33
 1,2-Dichloroethane-d4
 Concen: 49.253 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

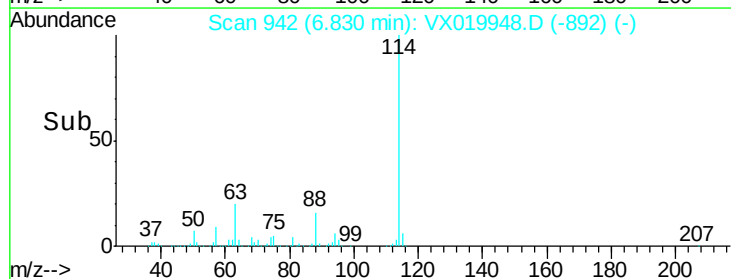
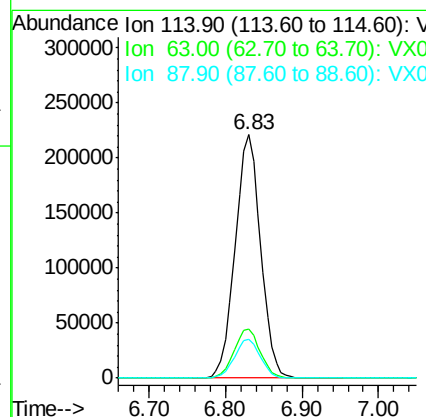
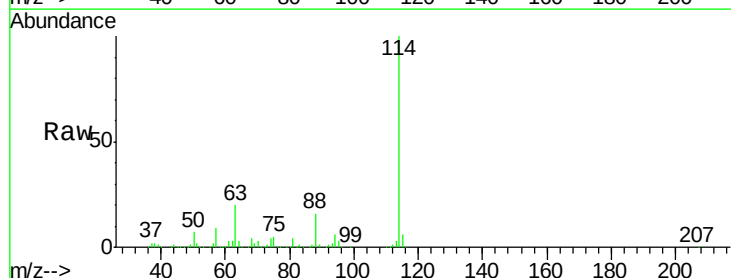
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-D-TOP

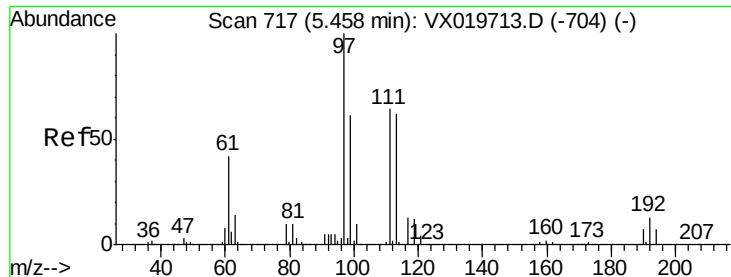
Tgt Ion: 65 Resp: 195248
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

Tgt Ion: 114 Resp: 508639
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.973 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampleId :

TR3-D-TOP

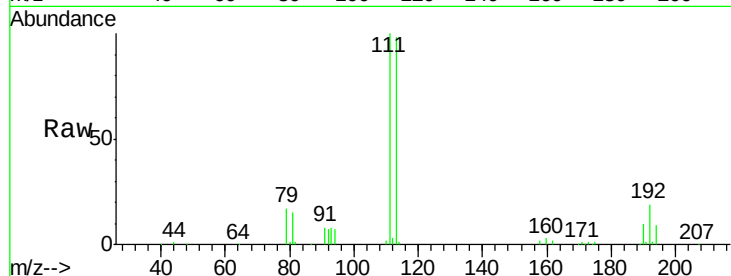
Tgt Ion:113 Resp: 157701

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

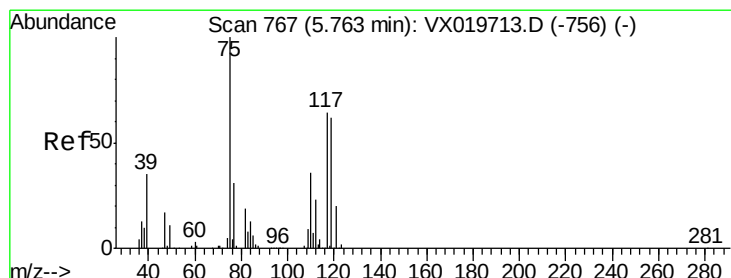
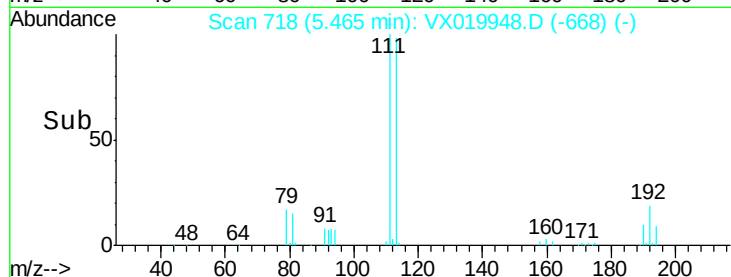
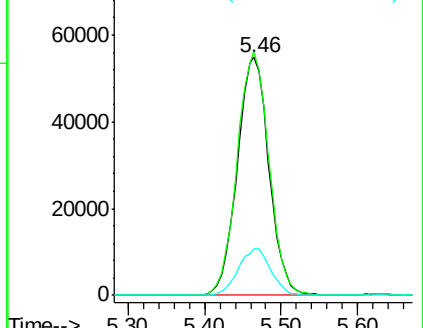
192 20.0 16.7 25.1



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: 5.072 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

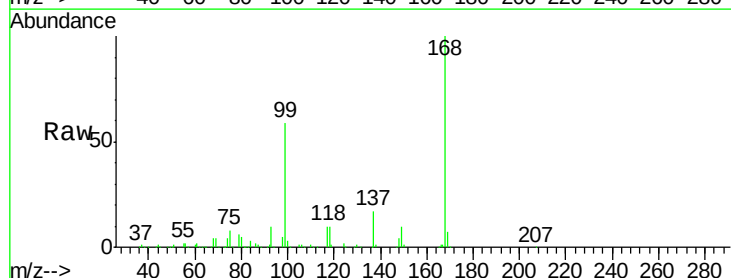
Tgt Ion: 75 Resp: 23314

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

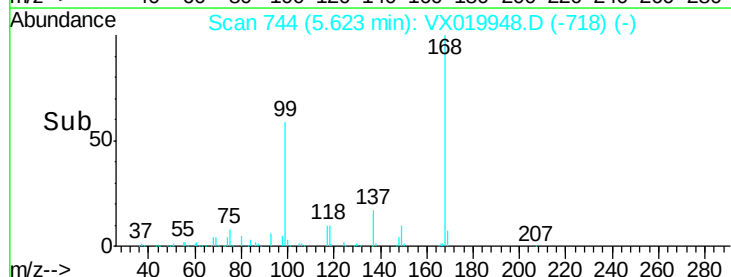
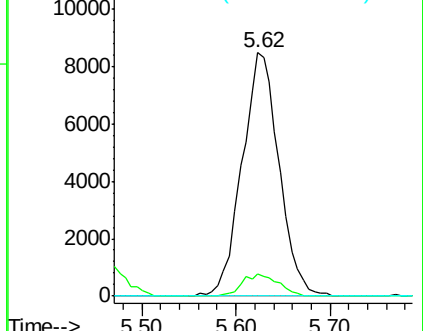
77 0.0 25.3 37.9#

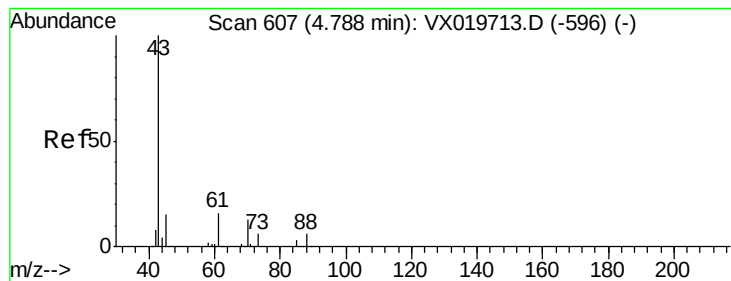


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.793 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampled :

TR3-D-TOP

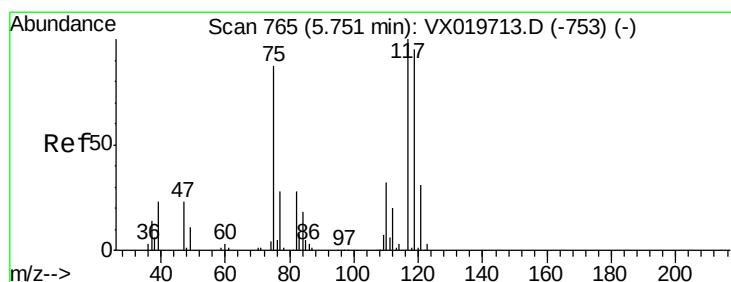
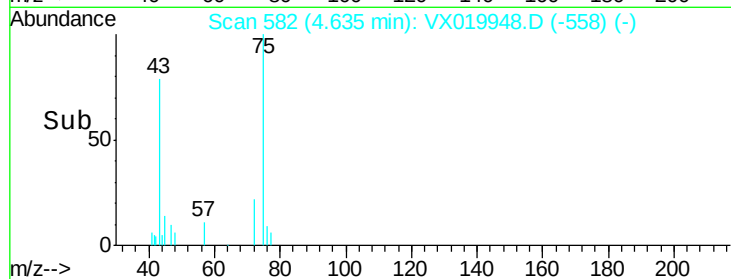
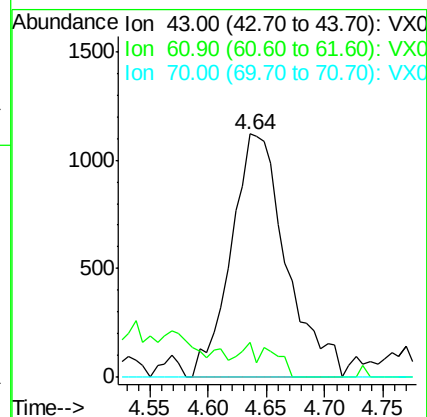
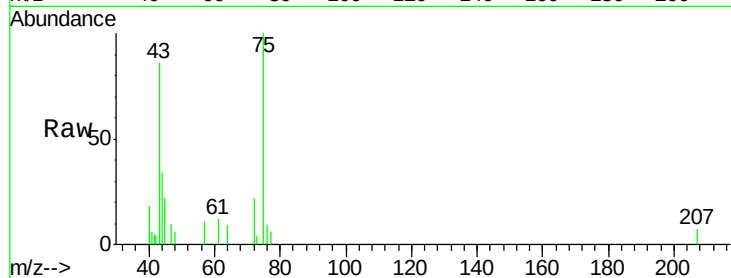
Tgt Ion: 43 Resp: 3678

Ion Ratio Lower Upper

43 100

61 1.8 12.8 19.2#

70 0.0 10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.548 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

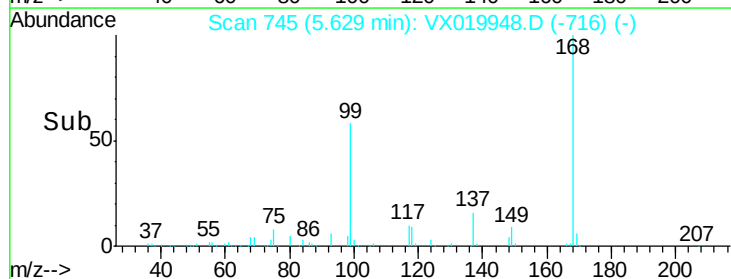
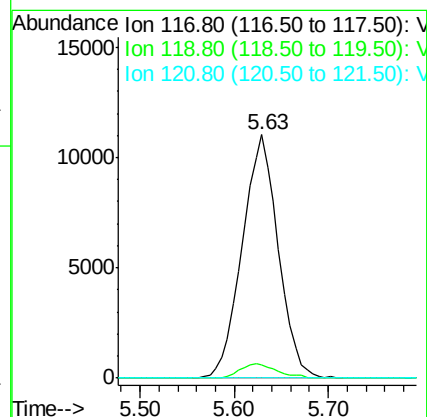
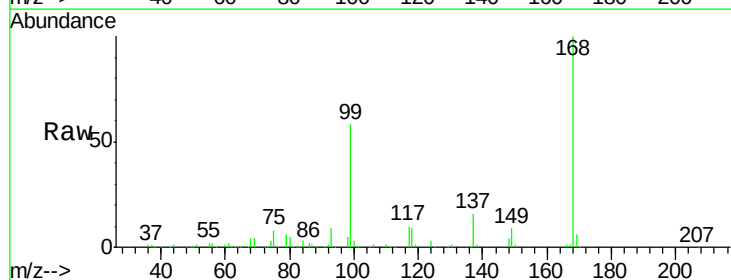
Tgt Ion: 117 Resp: 29472

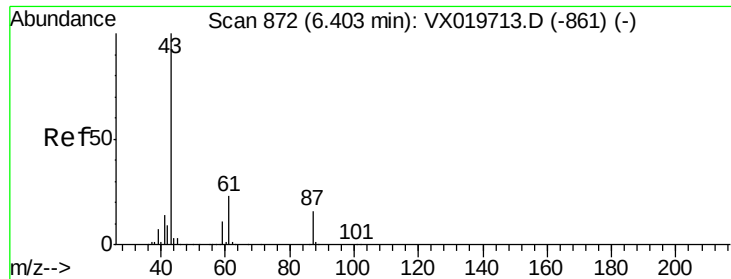
Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 2.538 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

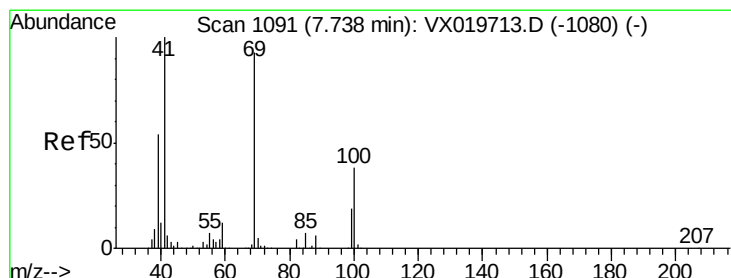
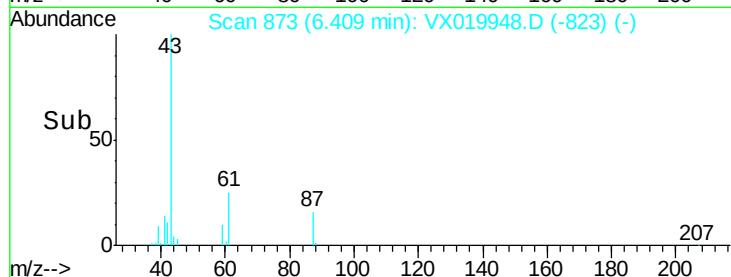
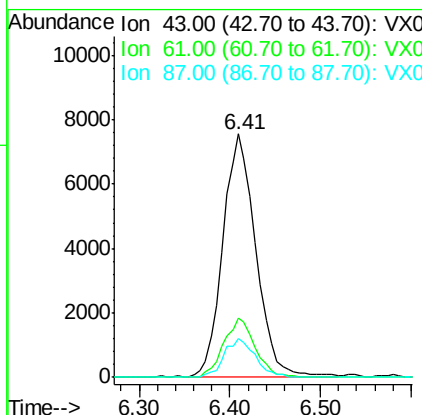
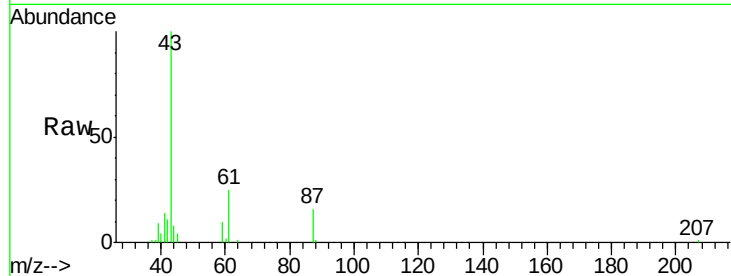
Instrument :

MSVOA_X

ClientSampleId :

TR3-D-TOP

Tgt Ion:	43	Resp:	19147
Ion	Ratio	Lower	Upper
43	100		
61	22.9	18.2	27.4
87	14.9	12.5	18.7



#48

Methyl methacrylate

Concen: 1.490 ug/l

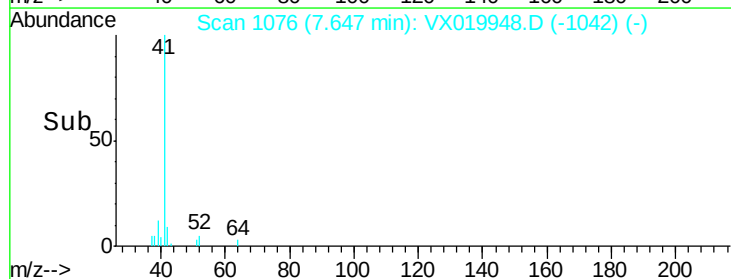
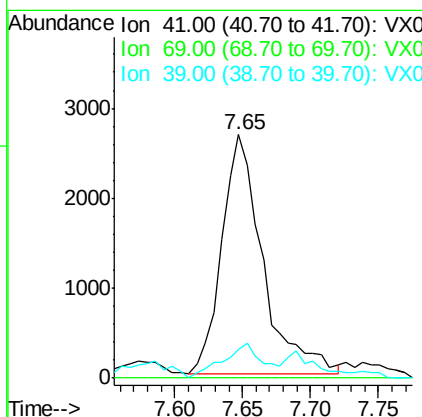
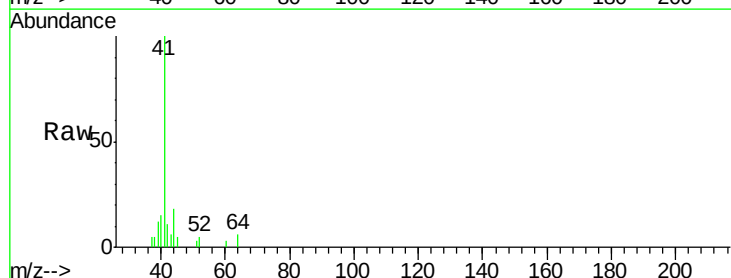
RT: 7.65 min Scan# 1076

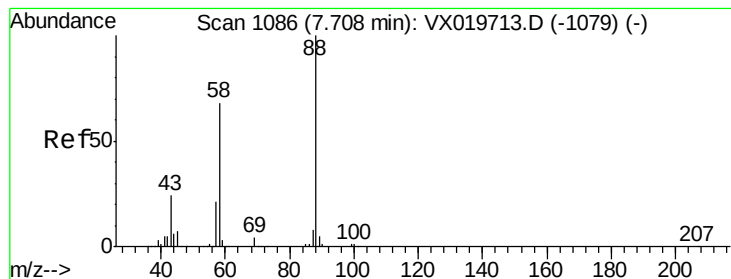
Delta R.T. -0.09 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Tgt Ion:	41	Resp:	5529
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: 2.347 ug/l

RT: 7.84 min Scan# 1108

Delta R.T. 0.13 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampleId :

TR3-D-TOP

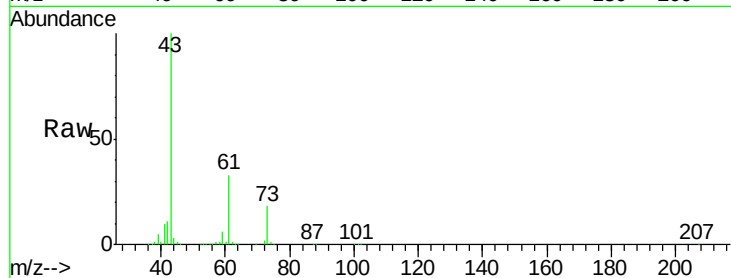
Tgt Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 474865.4 23.2 34.8#

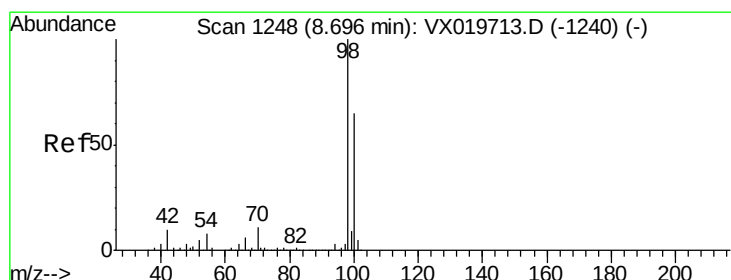
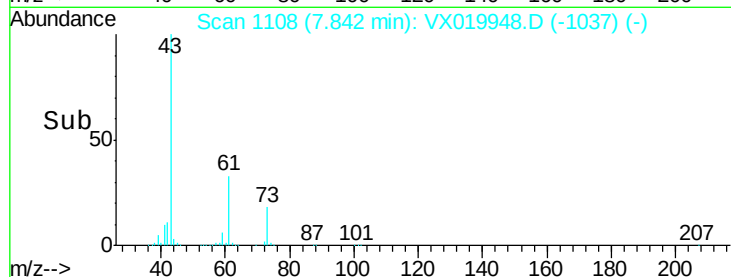
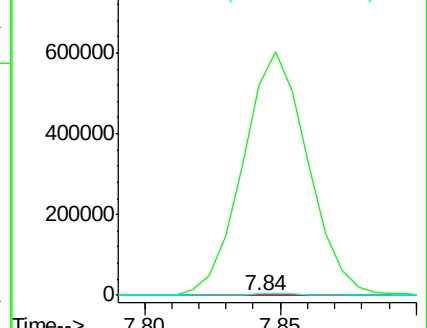
58 2776.3 55.0 82.4#



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



#50

Toluene-d8

Concen: 50.766 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019948.D

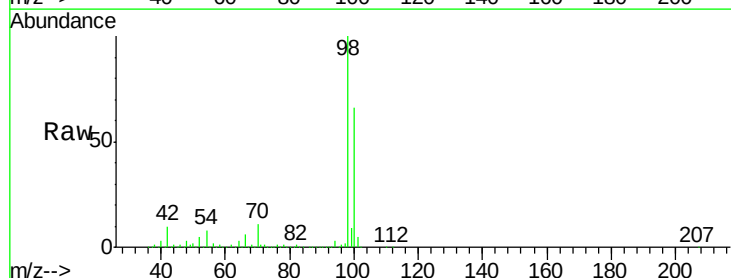
Acq: 12 Dec 2020 21:27

Tgt Ion: 98 Resp: 637113

Ion Ratio Lower Upper

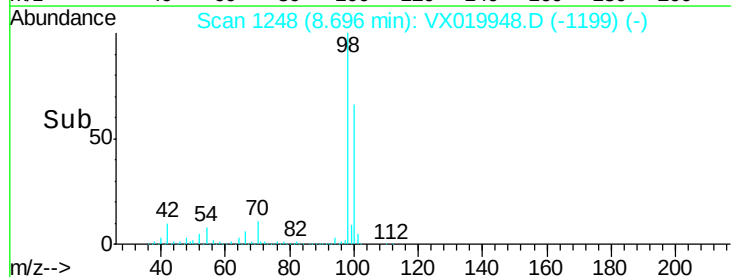
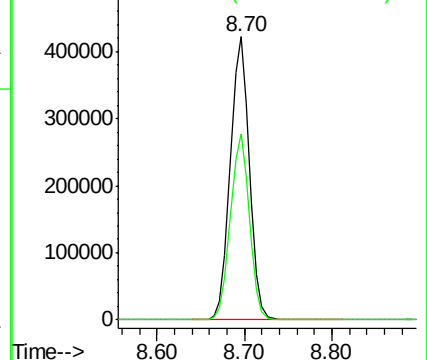
98 100

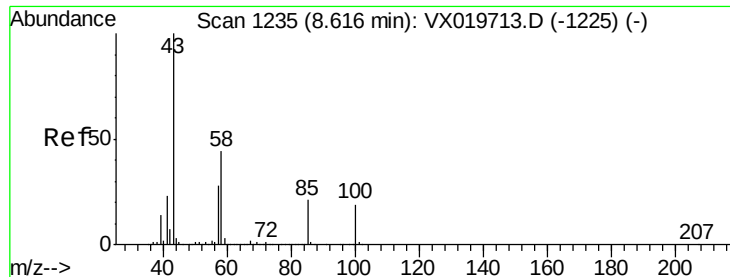
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

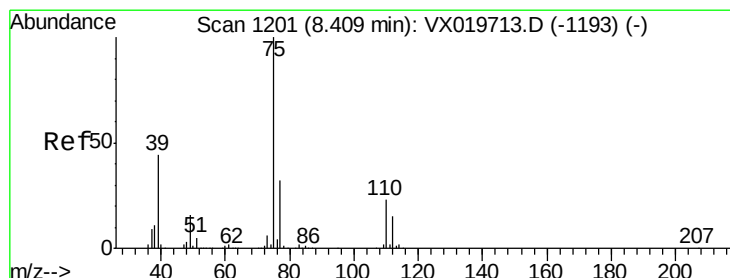
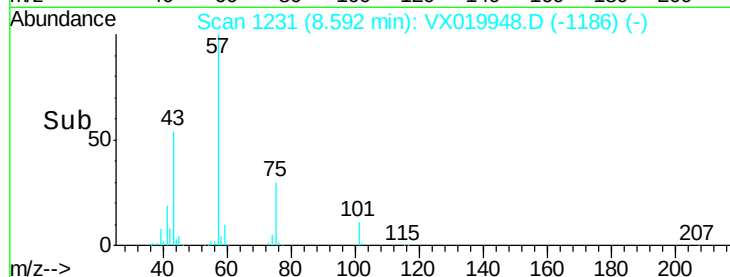
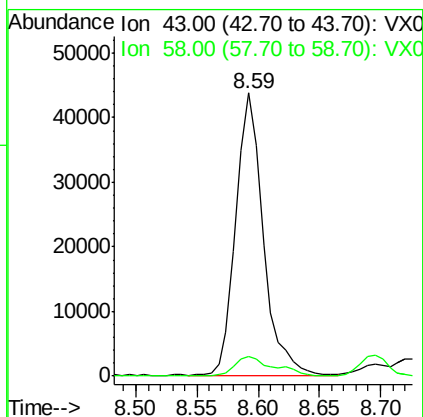
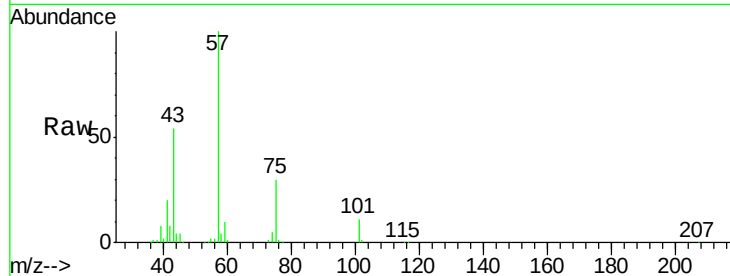




#51
 4-Methyl-2-Pentanone
 Concen: 14.704 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

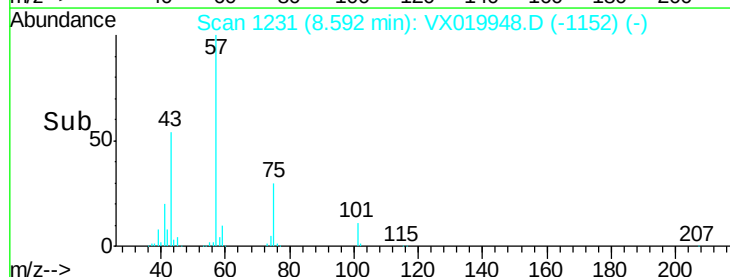
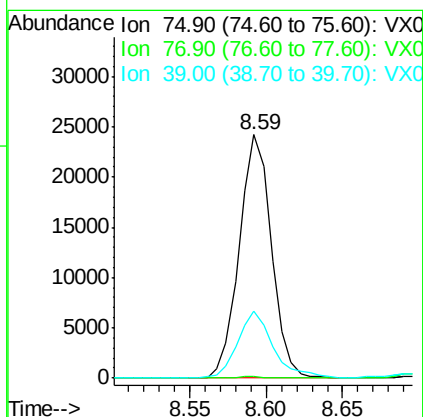
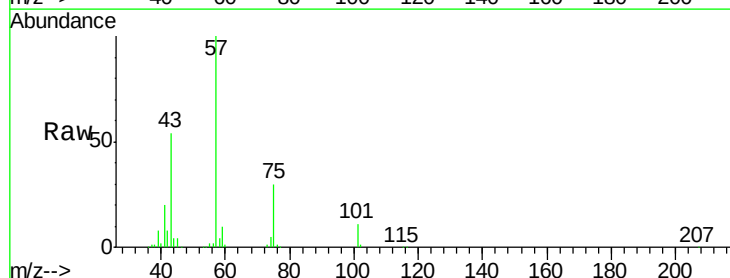
Instrument :
 MSVOA_X
 ClientSampled :
 TR3-D-TOP

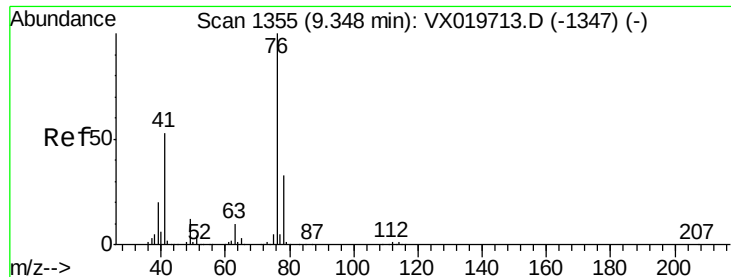
Tgt Ion: 43 Resp: 67731
 Ion Ratio Lower Upper
 43 100
 58 9.9 35.4 53.0#



#54
 cis-1,3-Dichloropropene
 Concen: 6.252 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

Tgt Ion: 75 Resp: 35441
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 27.4 35.1 52.7#

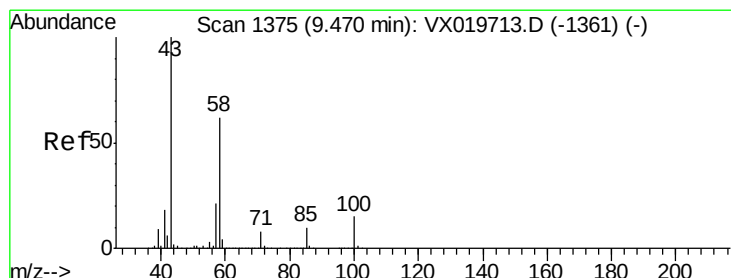
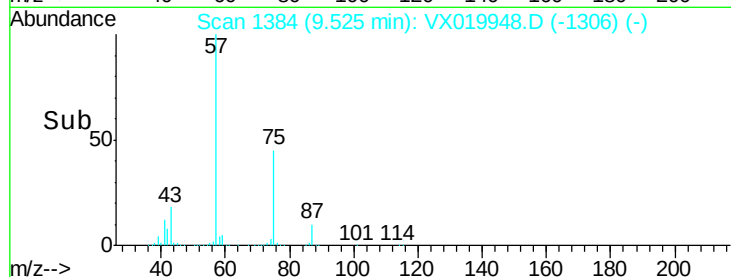
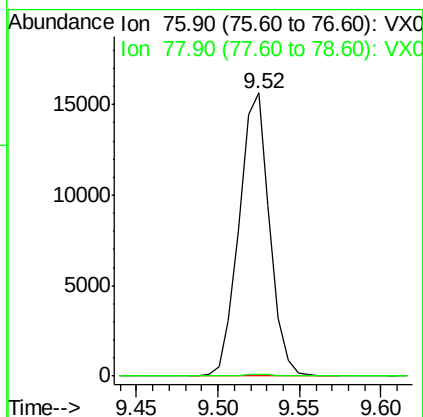
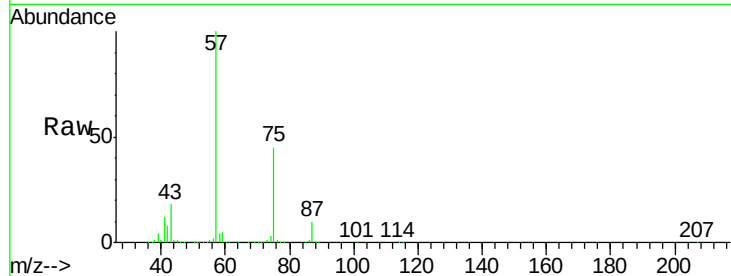




#57
 1,3-Dichloropropane
 Concen: 3.370 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

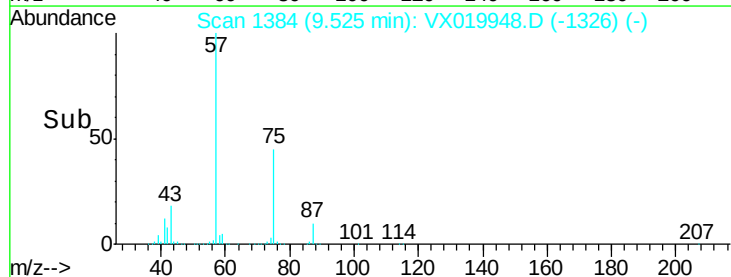
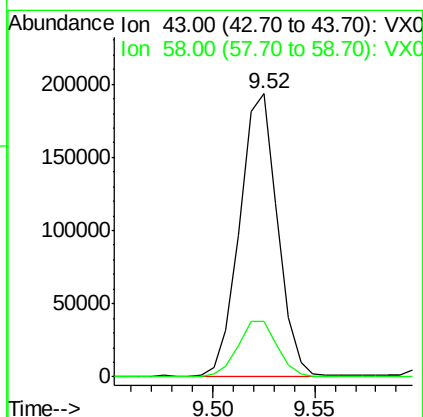
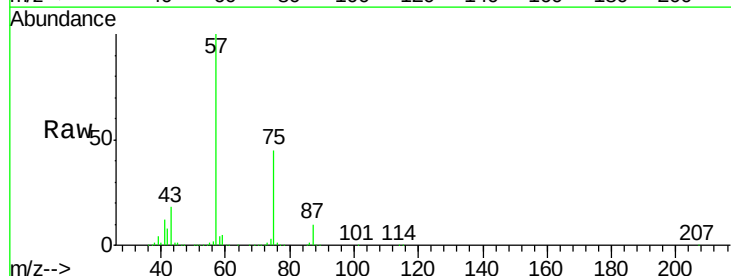
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-D-TOP

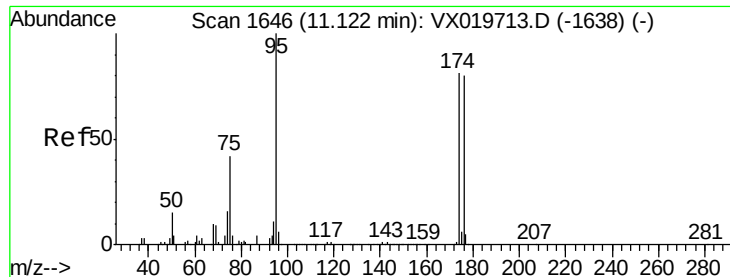
Tgt Ion: 76 Resp: 20362
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#



#59
 2-Hexanone
 Concen: 69.879 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

Tgt Ion: 43 Resp: 249504
 Ion Ratio Lower Upper
 43 100
 58 20.7 30.9 92.8#

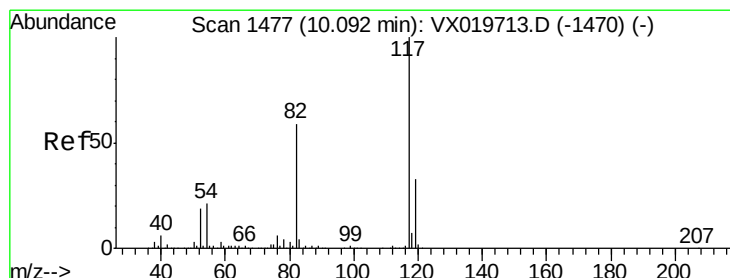
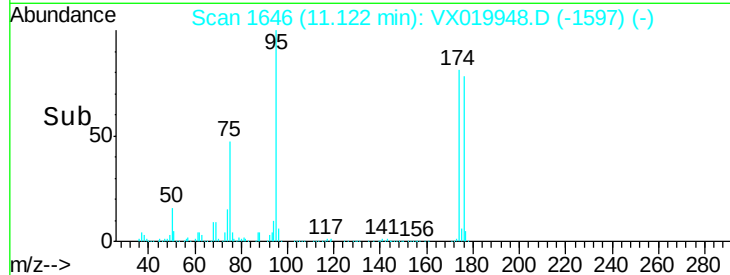
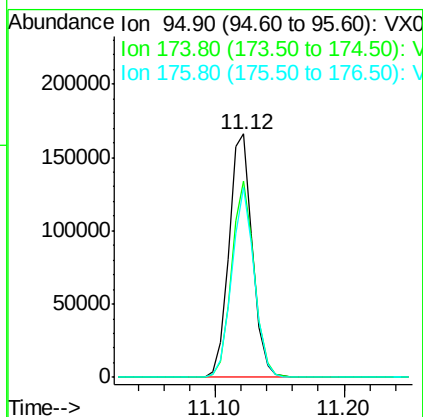
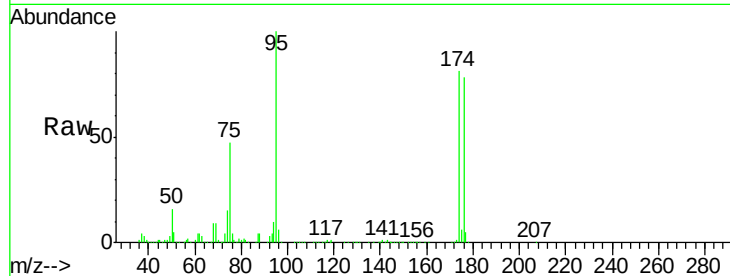




#62
 4-Bromofluorobenzene
 Concen: 44.200 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

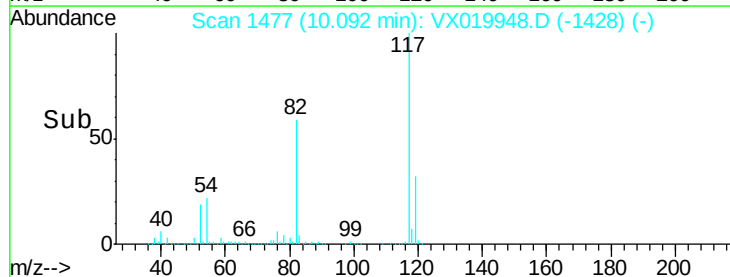
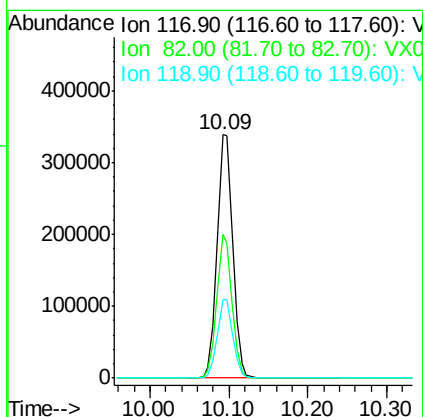
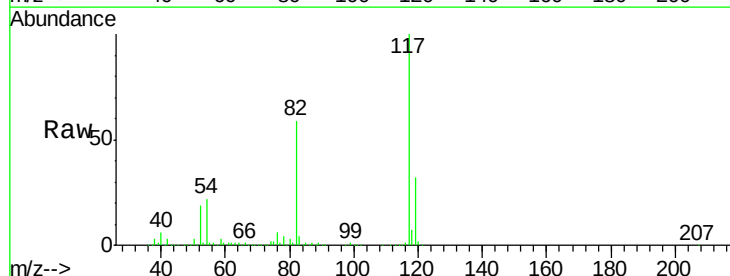
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-D-TOP

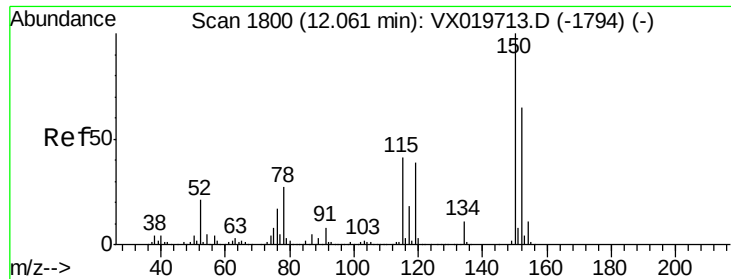
Tgt Ion: 95 Resp: 211127
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 154.6
 176 75.0 0.0 155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.09 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VX019948.D
 Acq: 12 Dec 2020 21:27

Tgt Ion: 117 Resp: 472318
 Ion Ratio Lower Upper
 117 100
 82 59.3 47.4 71.2
 119 32.1 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: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampleId :

TR3-D-TOP

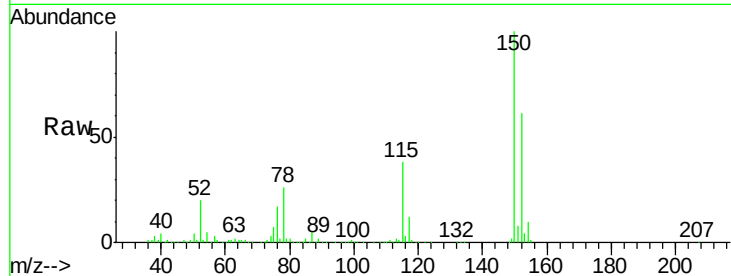
Tgt Ion:152 Resp: 189499

Ion Ratio Lower Upper

152 100

115 60.2 41.1 123.3

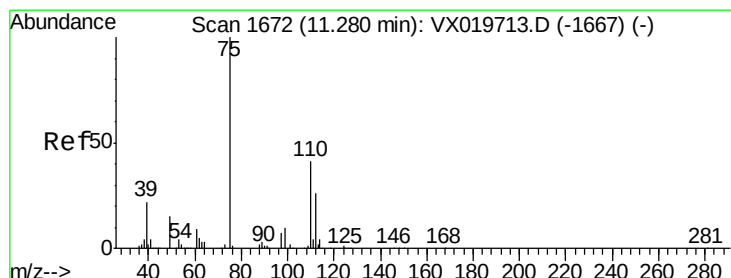
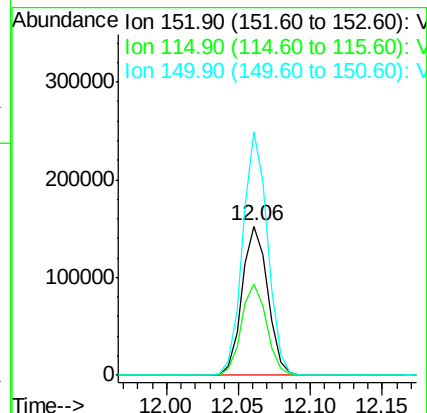
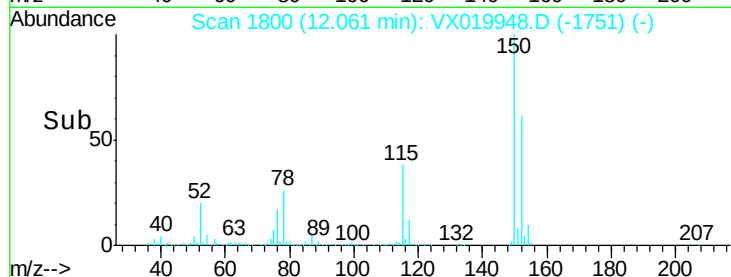
150 157.9 0.0 349.0



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: 23.953 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019948.D

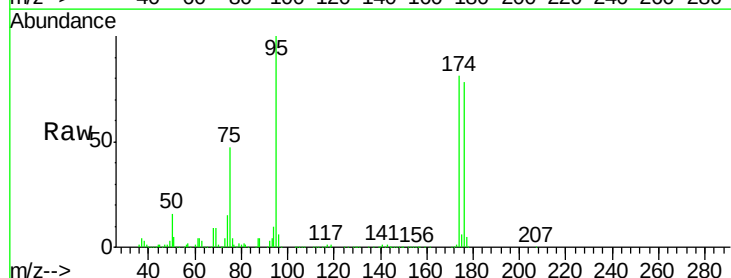
Acq: 12 Dec 2020 21:27

Tgt Ion: 75 Resp: 101802

Ion Ratio Lower Upper

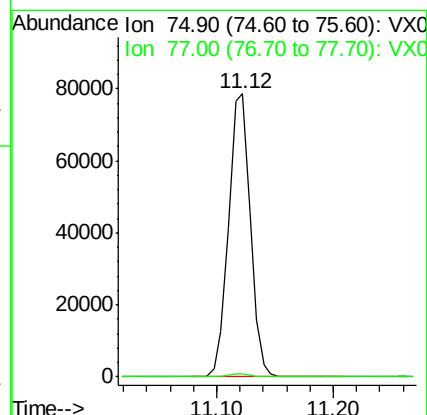
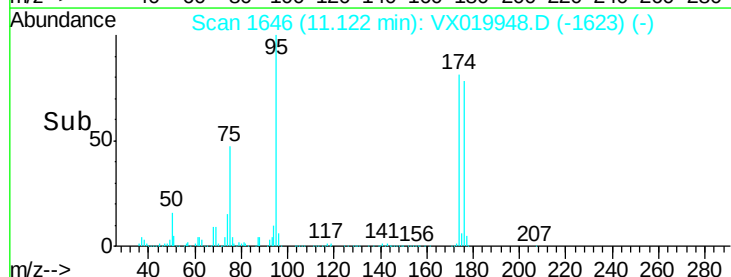
75 100

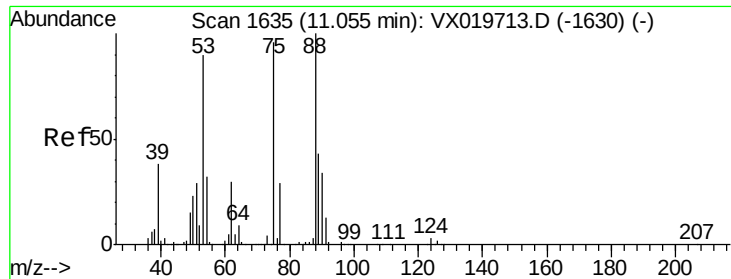
77 1.3 19.1 57.5#



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: 69.243 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019948.D

Acq: 12 Dec 2020 21:27

Instrument :

MSVOA_X

ClientSampleId :

TR3-D-TOP

Tgt Ion: 75 Resp: 101802

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

