

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019946.D
 Acq On : 12 Dec 2020 20:40
 Operator : JC/MD
 Sample : L4984-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-TOP

Quant Time: Dec 14 08:20:31 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	301805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	504481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	480450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206562	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	197106	49.69	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.38%	
35) Dibromofluoromethane		5.46	113	158388	48.58	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.16%	
50) Toluene-d8		8.70	98	629480	50.57	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.14%	
62) 4-Bromofluorobenzene		11.12	95	220961	46.64	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.28%	

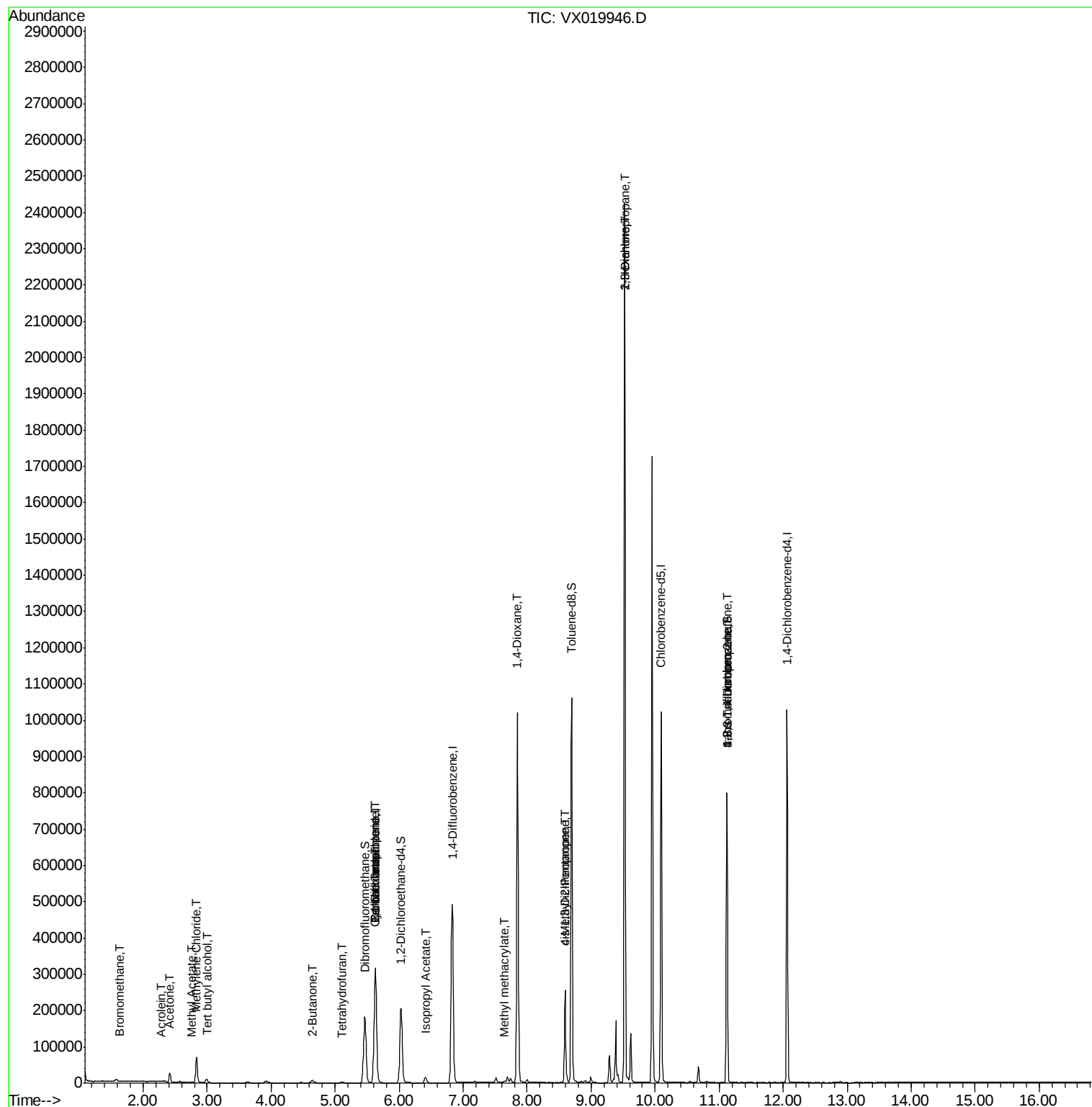
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	305	0.268	ug/l #	60
11) Tert butyl alcohol	2.99	59	6312	5.181	ug/l #	77
13) Acrolein	2.28	56	138	0.315	ug/l #	69
16) Acetone	2.42	43	26244	17.602	ug/l	98
18) Methyl Acetate	2.75	43	2781	0.762	ug/l	100
20) Methylene Chloride	2.83	84	35018	9.125	ug/l	96
25) 2-Butanone	4.64	43	3967	1.732	ug/l #	88
29) Tetrahydrofuran	5.10	42	1145	0.776	ug/l #	57
31) Cyclohexane	5.62	56	5621	1.139	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23303	5.112	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29293	6.562	ug/l #	17
43) Isopropyl Acetate	6.42	43	19752	2.640	ug/l	98
48) Methyl methacrylate	7.65	41	6024	1.637	ug/l #	10
49) 1,4-Dioxane	7.85	88	146	1.638	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	79450	17.390	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	41651	7.408	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	20968	3.499	ug/l #	42
59) 2-Hexanone	9.52	43	253810	71.671	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	108216	23.359	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	108216	67.525	ug/l #	12

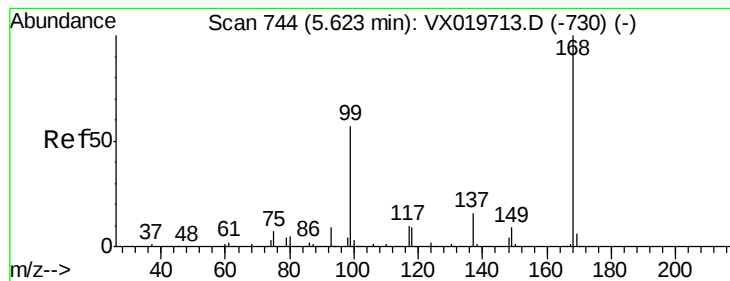
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
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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: VX019946.D

Acq: 12 Dec 2020 20:40

Instrument :

MSVOA_X

ClientSampleId :

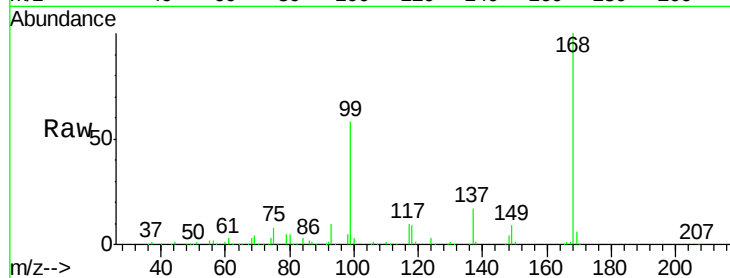
TR3-C-TOP

Tgt Ion: 168 Resp: 301805

Ion Ratio Lower Upper

168 100

99 58.0 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

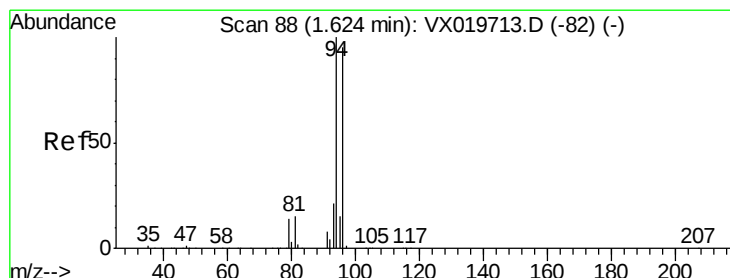
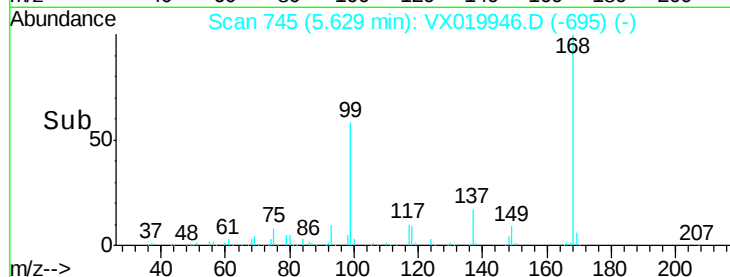
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.268 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019946.D

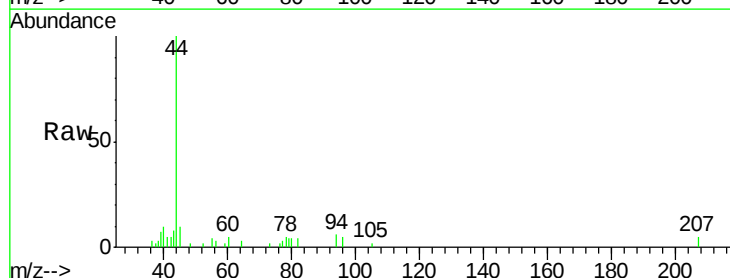
Acq: 12 Dec 2020 20:40

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 134.7 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

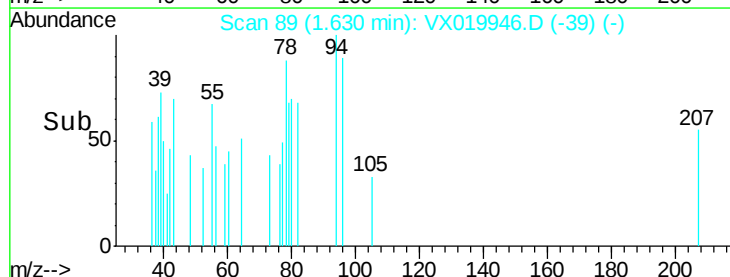
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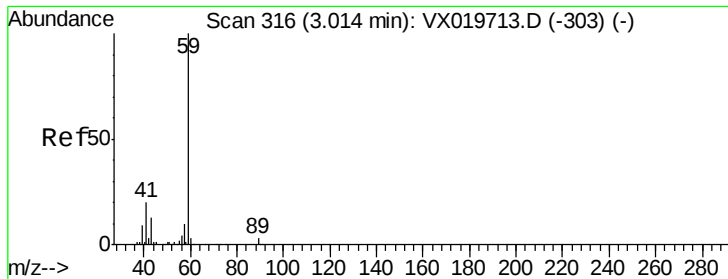
100

50

0

Time-->



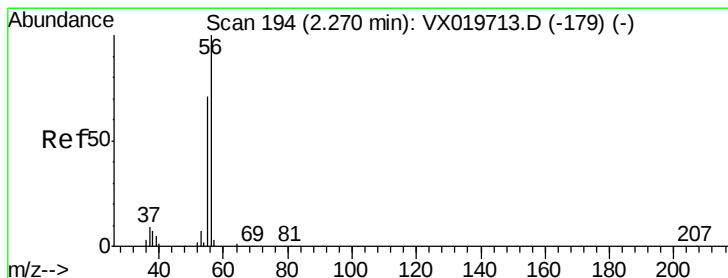
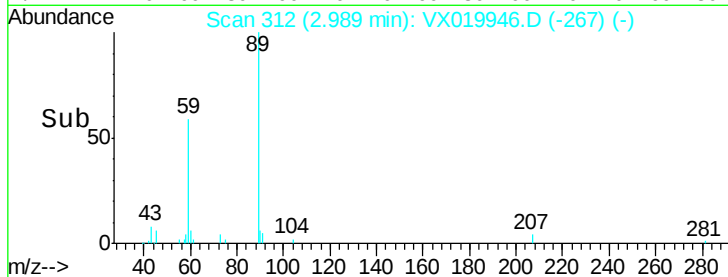
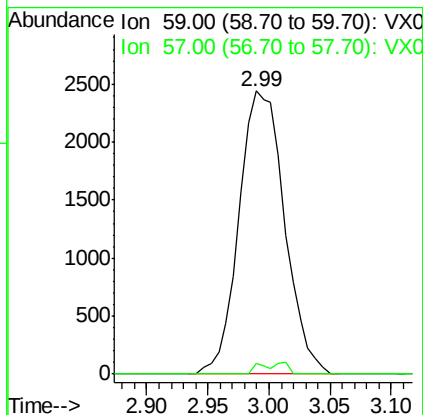
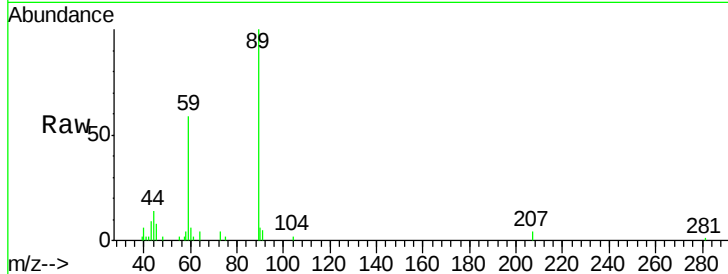


#11

Tert butyl alcohol
 Concen: 5.181 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 TR3-C-TOP

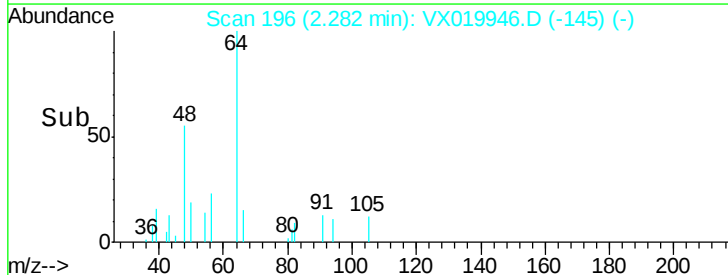
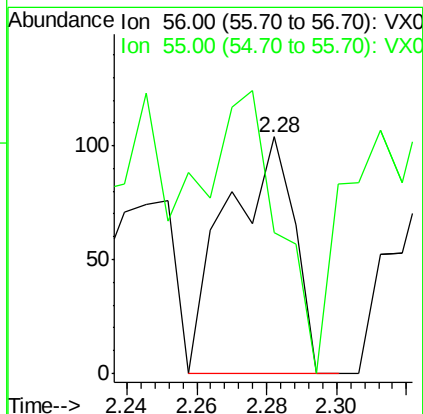
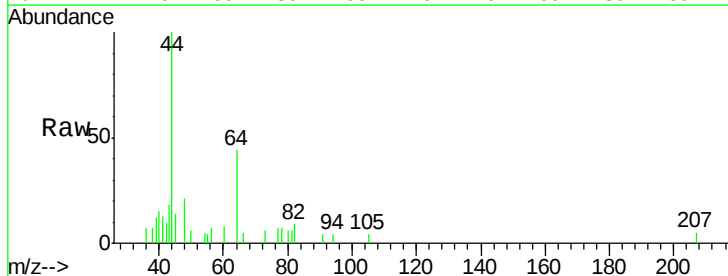
Tgt Ion: 59 Resp: 6312
 Ion Ratio Lower Upper
 59 100
 57 1.3 7.8 11.8#

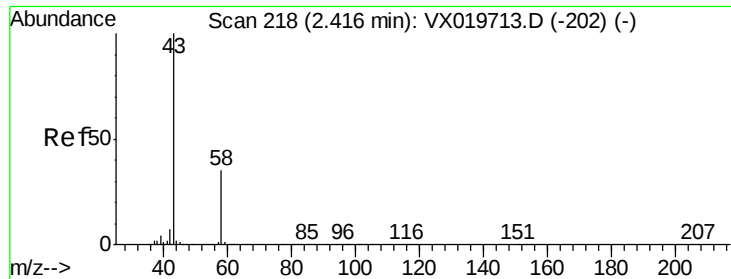


#13

Acrolein
 Concen: 0.315 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

Tgt Ion: 56 Resp: 138
 Ion Ratio Lower Upper
 56 100
 55 95.7 56.4 84.6#





#16

Acetone

Concen: 17.602 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019946.D

Acq: 12 Dec 2020 20:40

Instrument :

MSVOA_X

ClientSampleId :

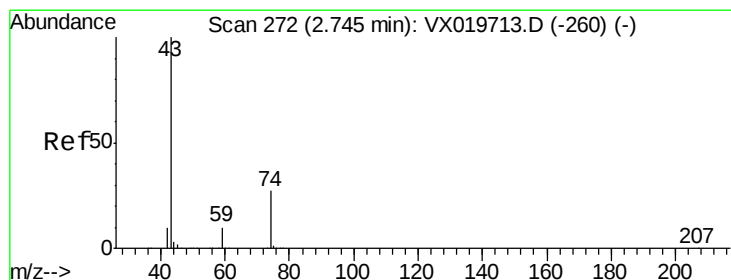
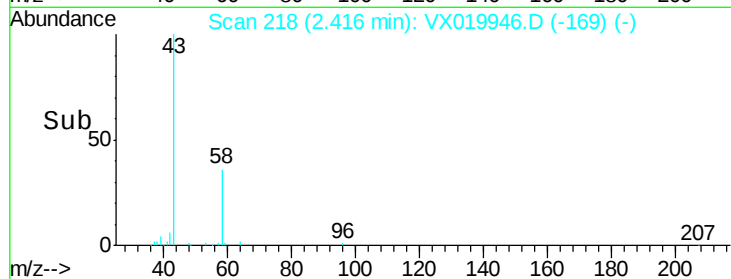
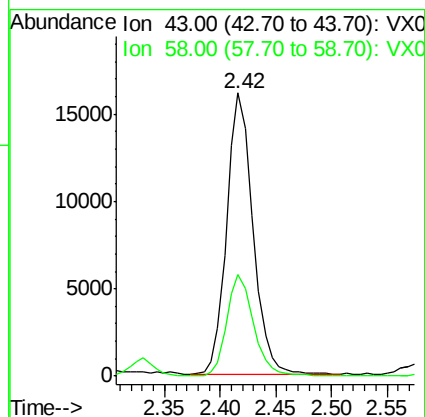
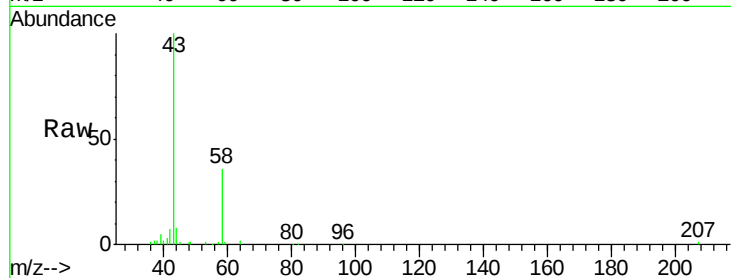
TR3-C-TOP

Tgt Ion: 43 Resp: 26244

Ion Ratio Lower Upper

43 100

58 36.2 27.8 41.8



#18

Methyl Acetate

Concen: 0.762 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019946.D

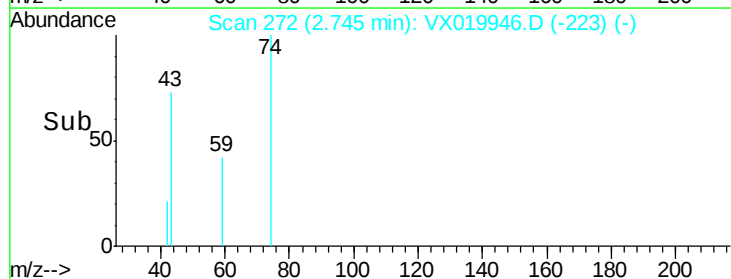
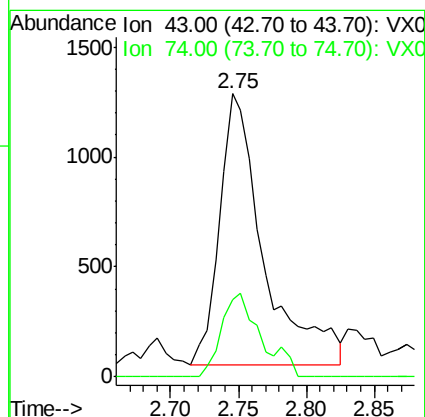
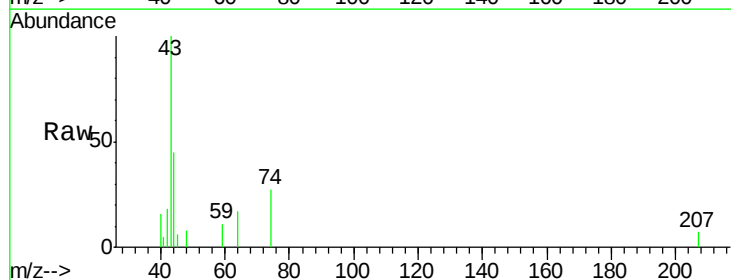
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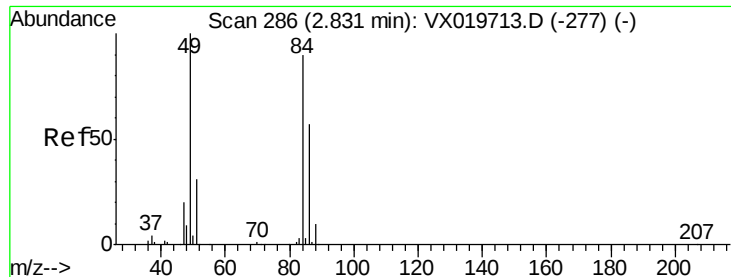
Tgt Ion: 43 Resp: 2781

Ion Ratio Lower Upper

43 100

74 27.5 21.9 32.9

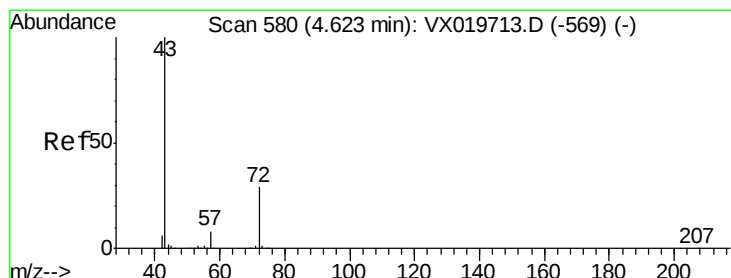
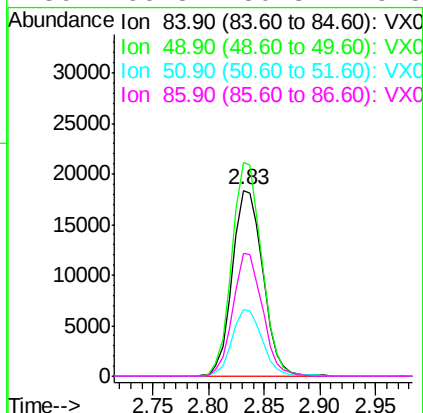
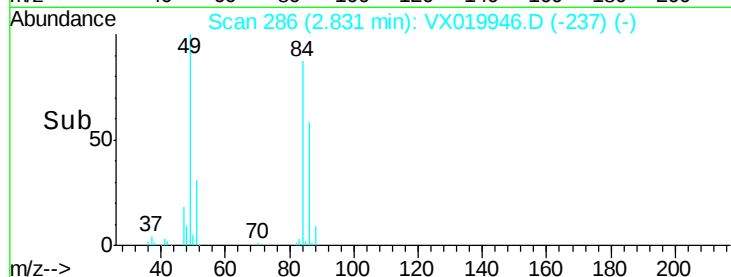
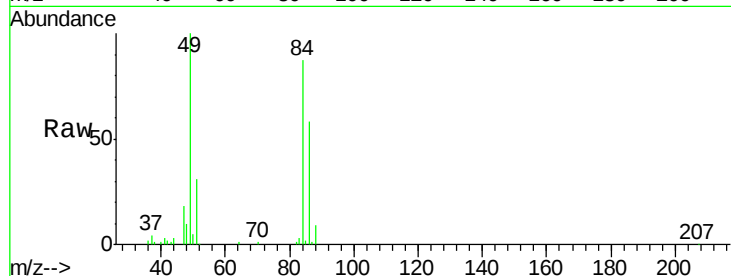




#20
Methylene Chloride
Concen: 9.125 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

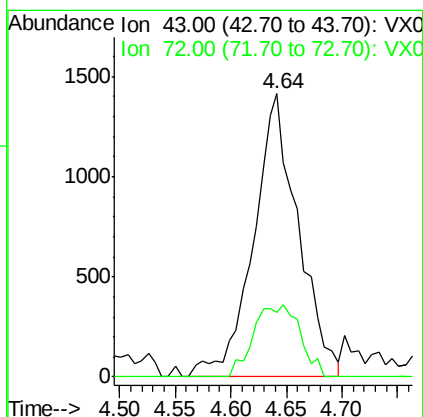
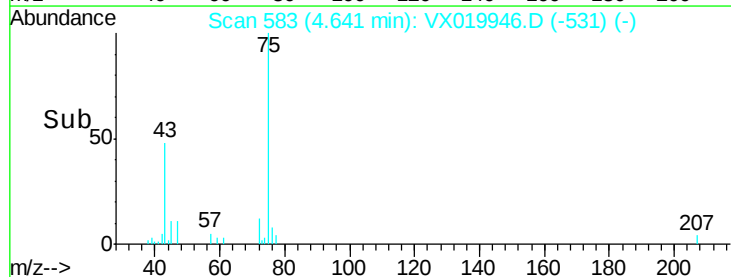
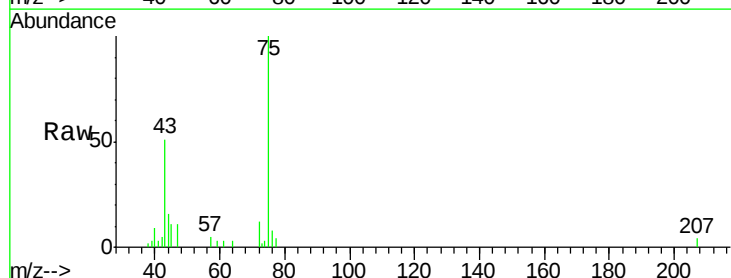
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

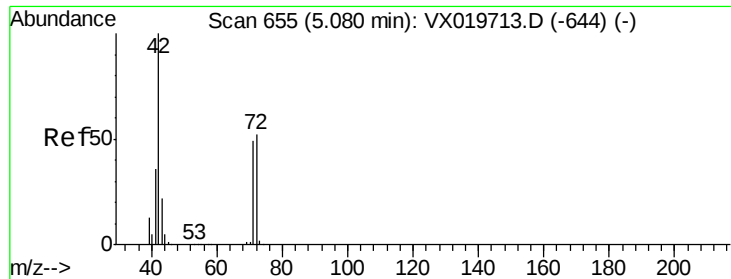
Tgt Ion: 84 Resp: 35018
Ion Ratio Lower Upper
84 100
49 115.0 88.6 132.8
51 35.6 27.0 40.6
86 66.3 50.3 75.5



#25
2-Butanone
Concen: 1.732 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

Tgt Ion: 43 Resp: 3967
Ion Ratio Lower Upper
43 100
72 22.9 23.7 35.5#

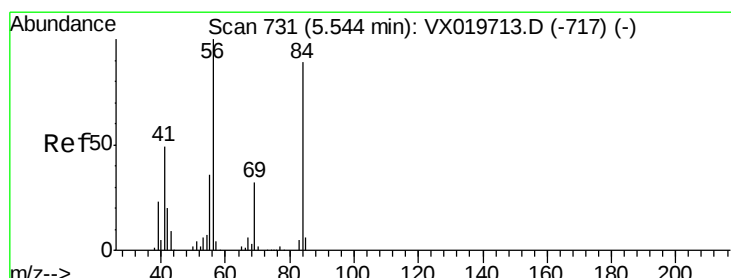
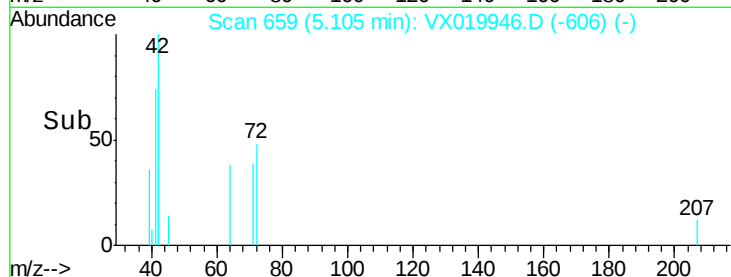
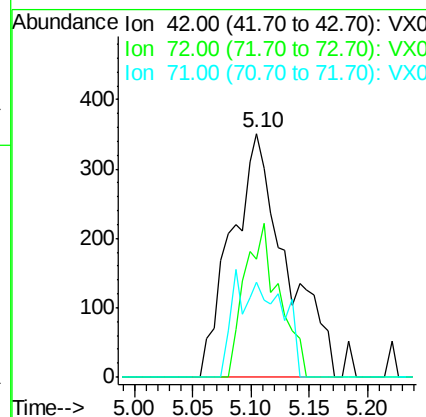
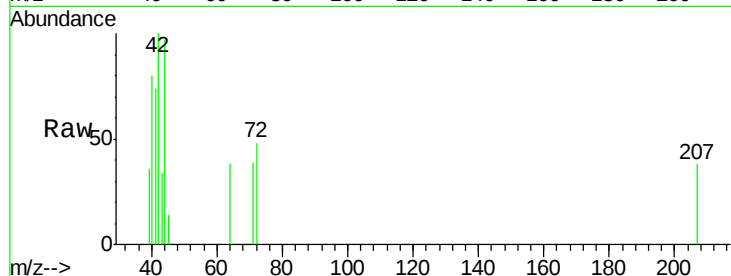




#29
Tetrahydrofuran
Concen: 0.776 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

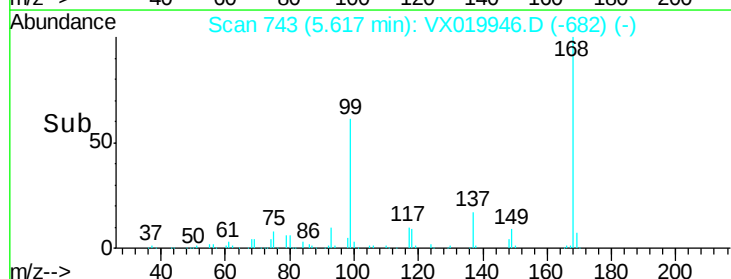
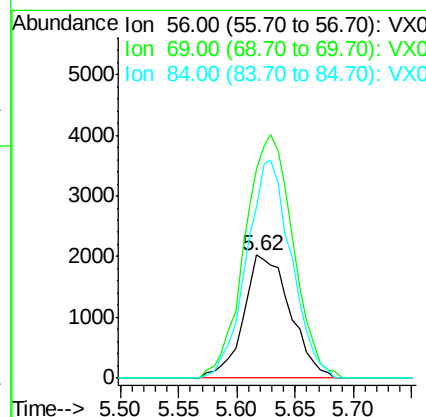
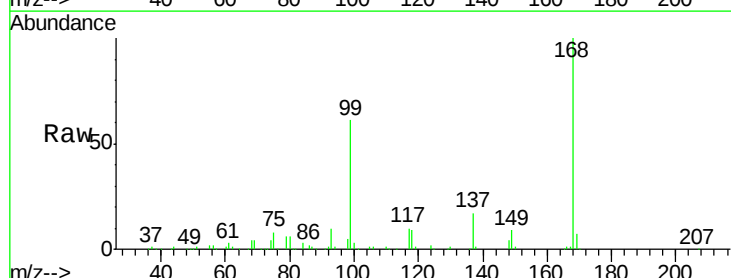
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

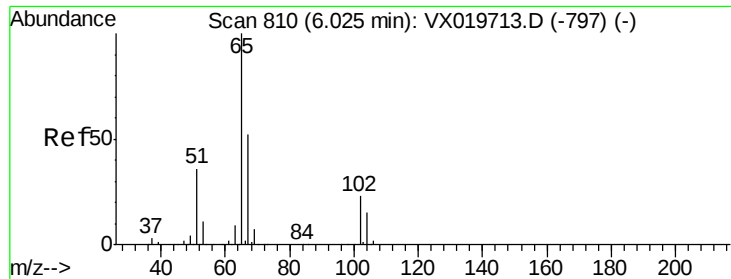
Tgt Ion: 42 Resp: 1145
Ion Ratio Lower Upper
42 100
72 39.9 41.7 62.5#
71 0.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

Tgt Ion: 56 Resp: 5621
Ion Ratio Lower Upper
56 100
69 169.7 25.3 37.9#
84 138.3 71.4 107.0#

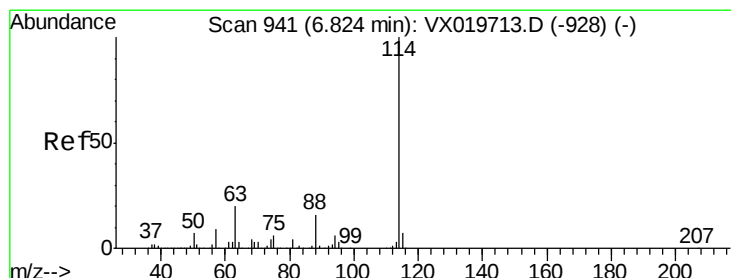
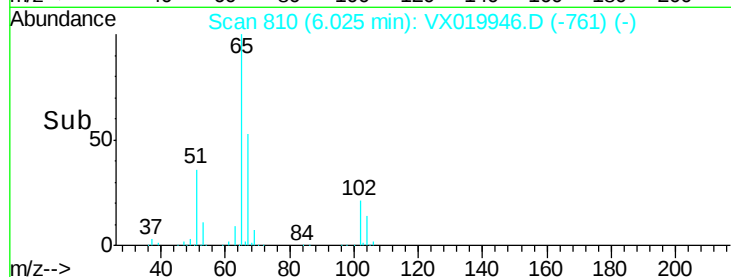
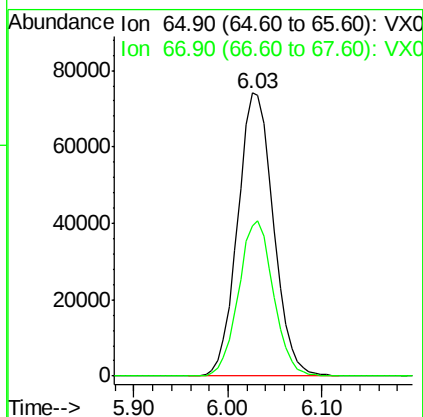
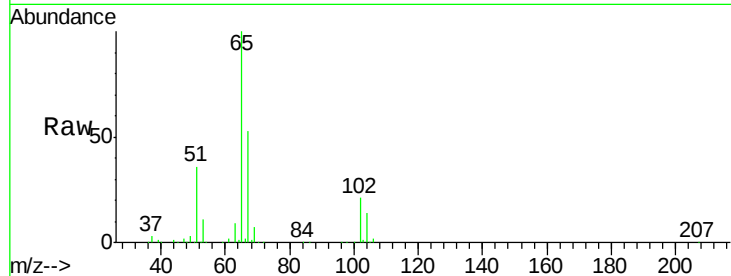




#33
 1,2-Dichloroethane-d4
 Concen: 49.691 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

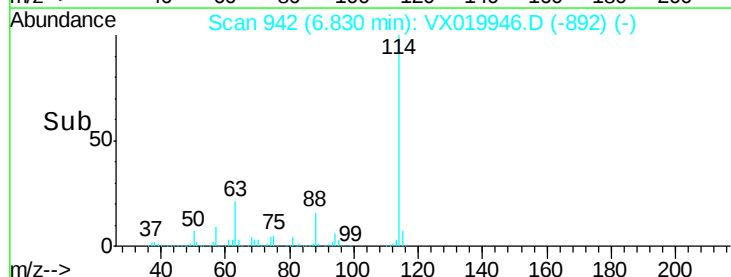
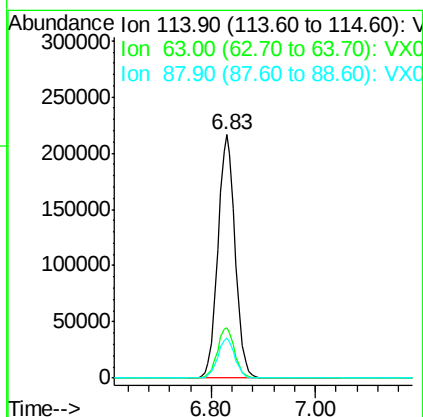
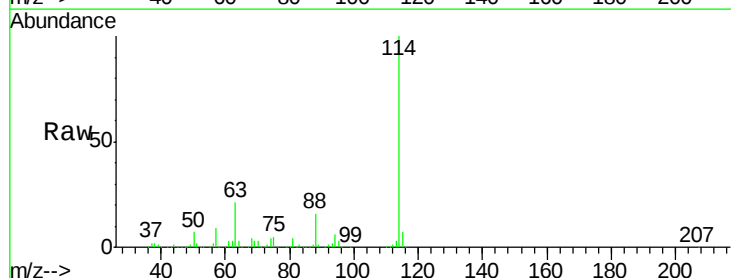
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 TR3-C-TOP

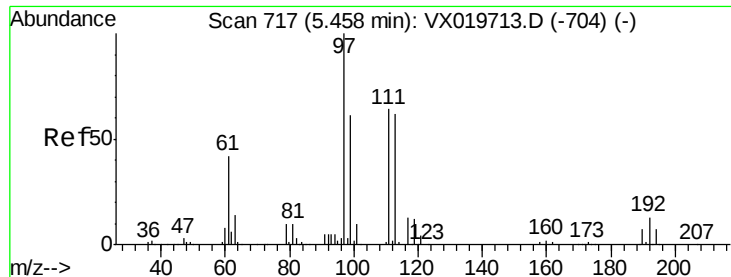
Tgt Ion: 65 Resp: 197106
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

Tgt Ion: 114 Resp: 504481
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.4 0.0 32.8

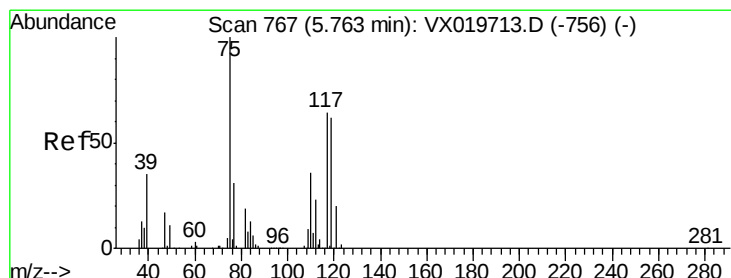
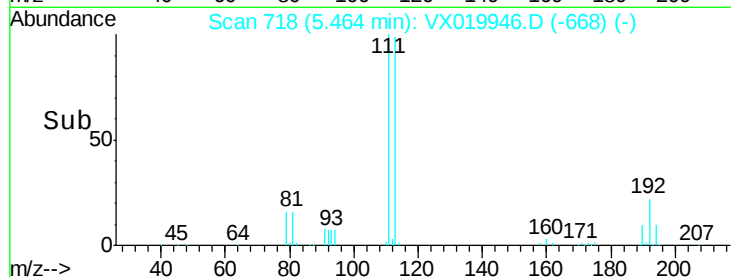
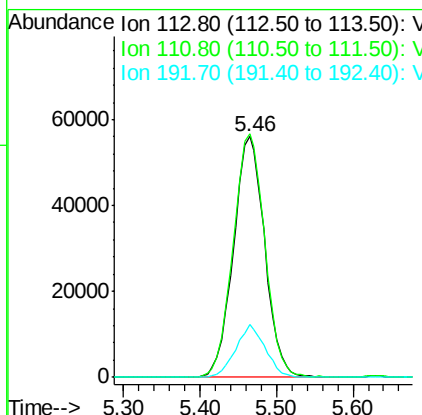
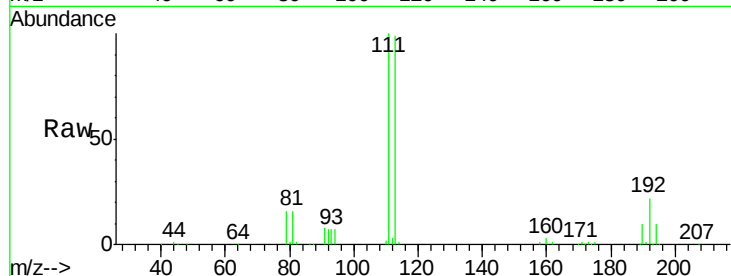




#35
 Dibromofluoromethane
 Concen: 48.580 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

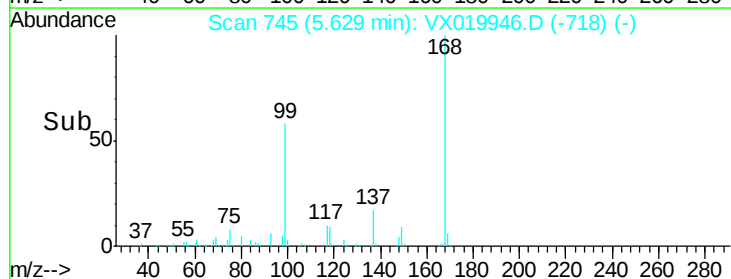
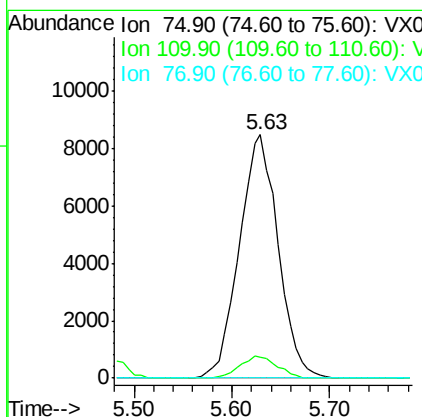
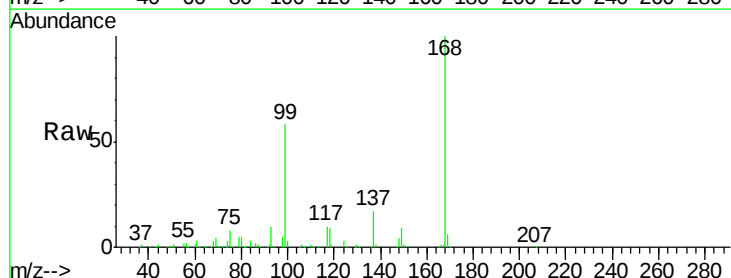
Instrument :
 MSVOA_X
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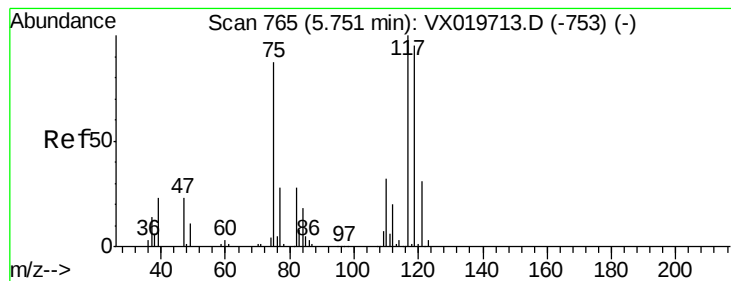
Tgt Ion:113 Resp: 158388
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 20.7 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.112 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

Tgt Ion: 75 Resp: 23303
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019946.D

Acq: 12 Dec 2020 20:40

Instrument :

MSVOA_X

ClientSampleId :

TR3-C-TOP

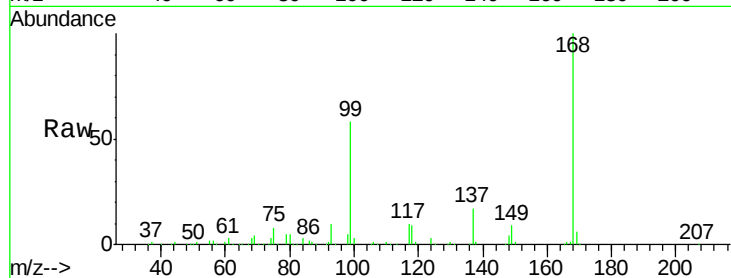
Tgt Ion: 117 Resp: 29293

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

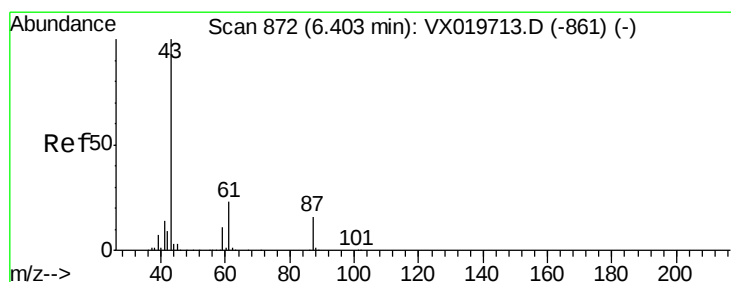
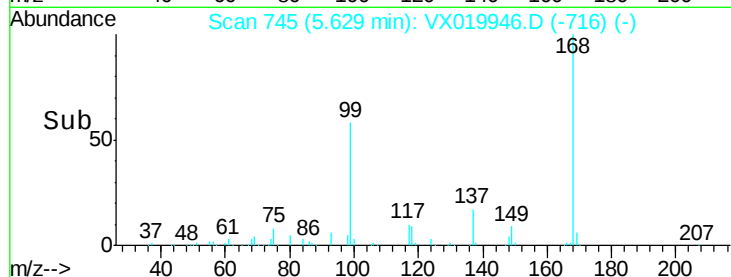
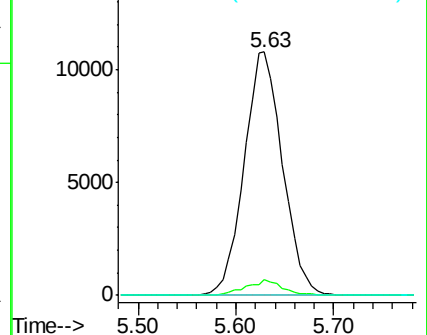
121 0.0 24.8 37.2#



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: 2.640 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX019946.D

Acq: 12 Dec 2020 20:40

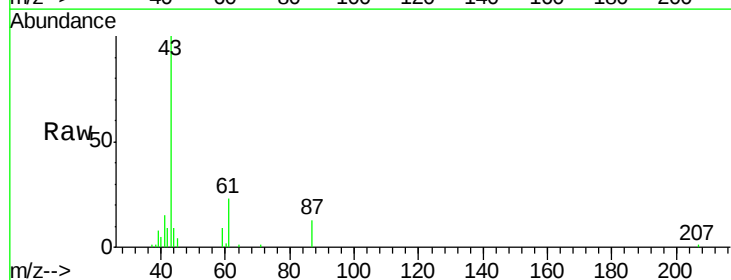
Tgt Ion: 43 Resp: 19752

Ion Ratio Lower Upper

43 100

61 22.2 18.2 27.4

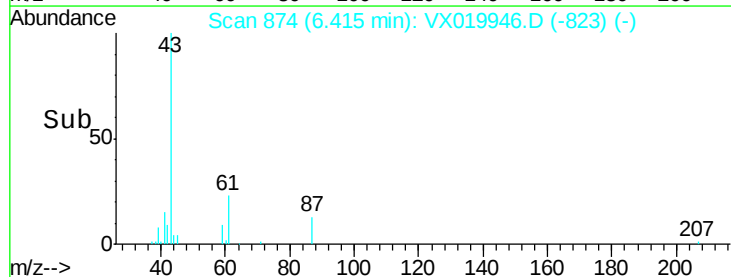
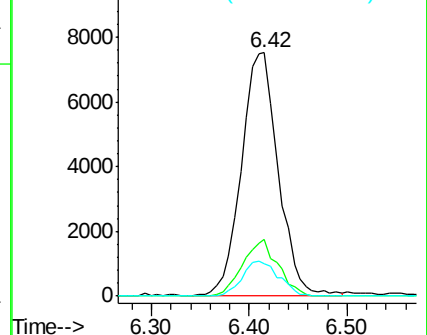
87 14.1 12.5 18.7

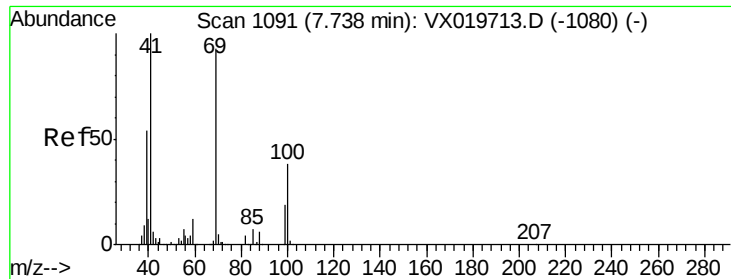


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

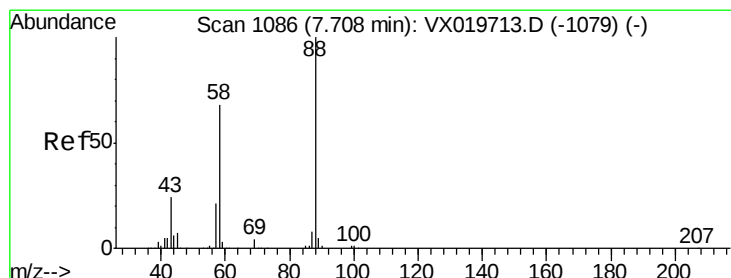
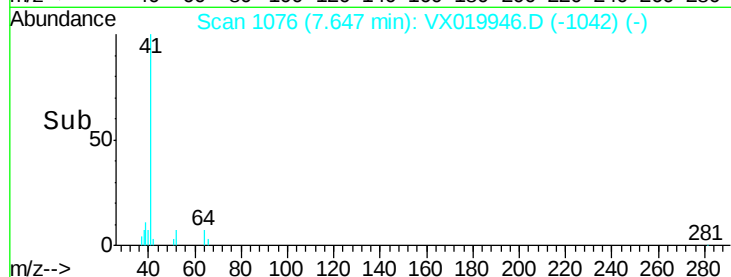
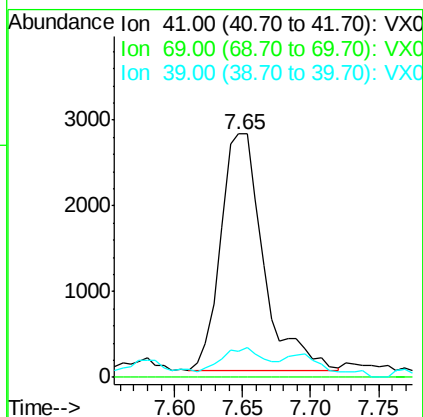
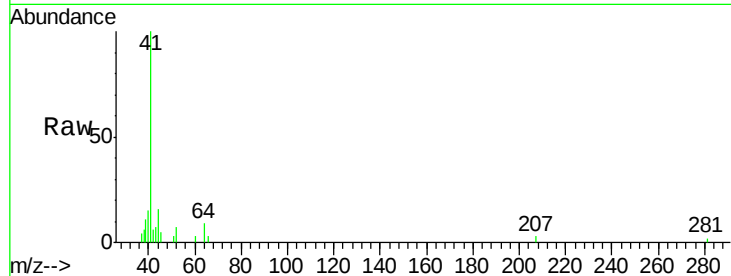




#48
Methyl methacrylate
Concen: 1.637 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

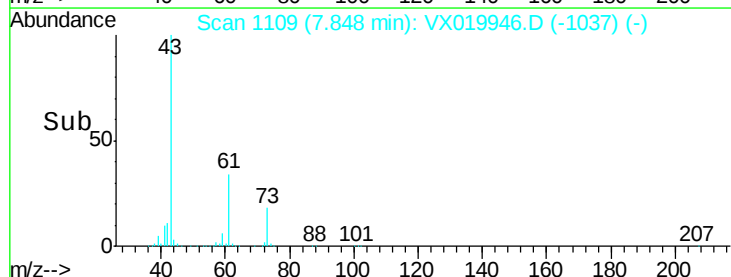
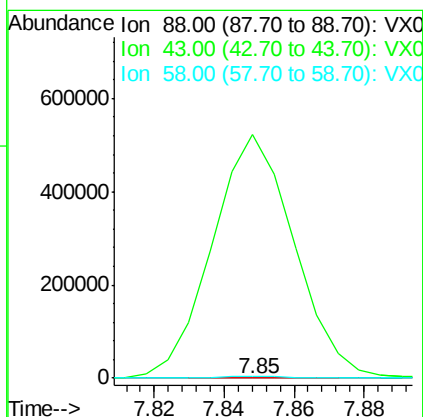
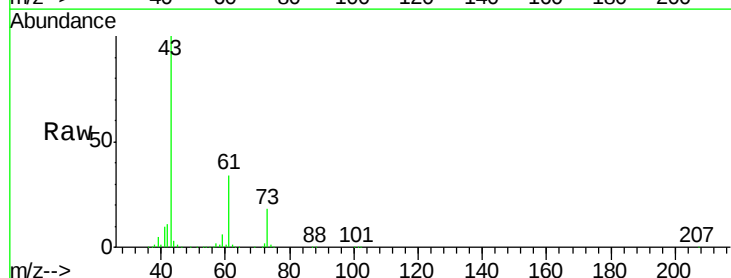
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

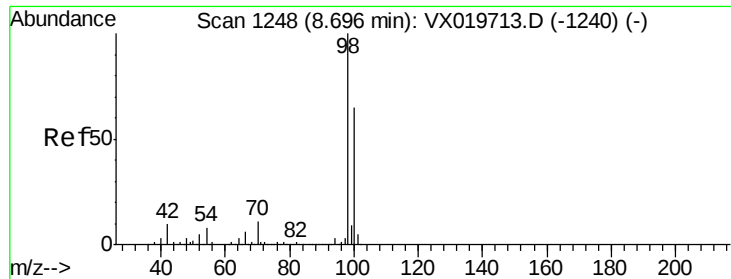
Tgt Ion: 41 Resp: 6024
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.638 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

Tgt Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 590413.7 23.2 34.8#
58 3344.5 55.0 82.4#

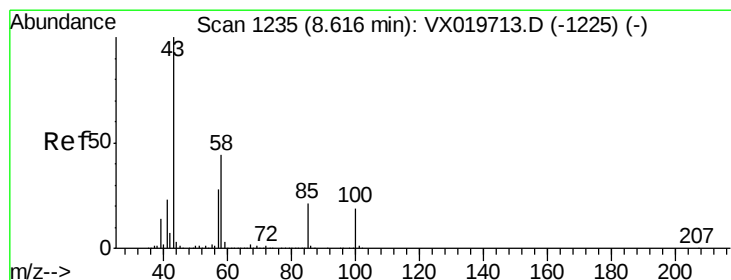
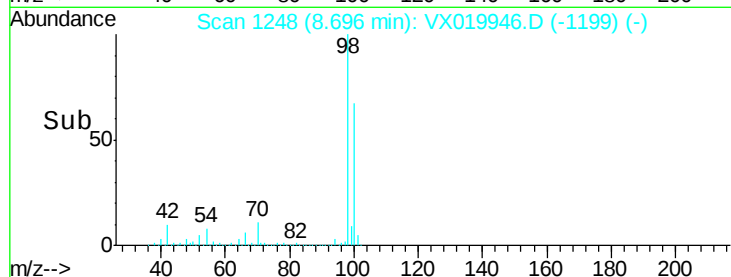
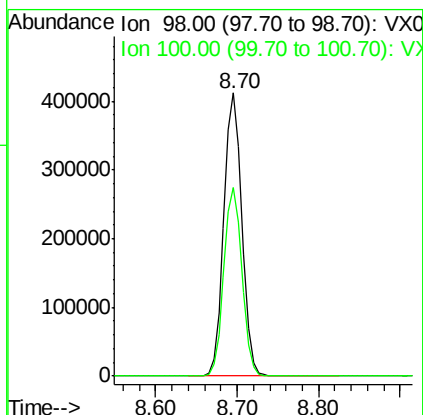
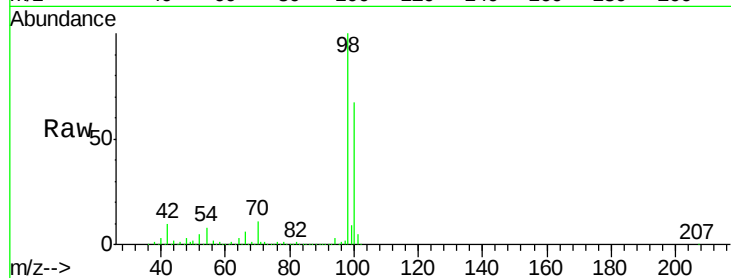




#50
Toluene-d8
Concen: 50.572 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

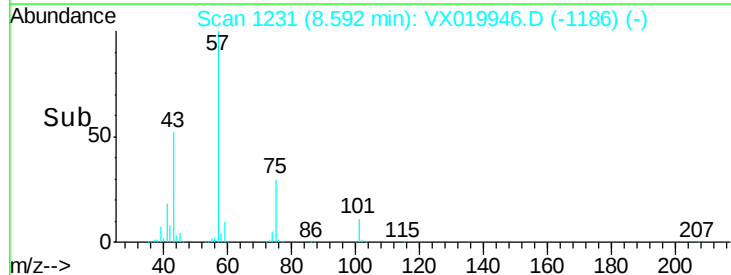
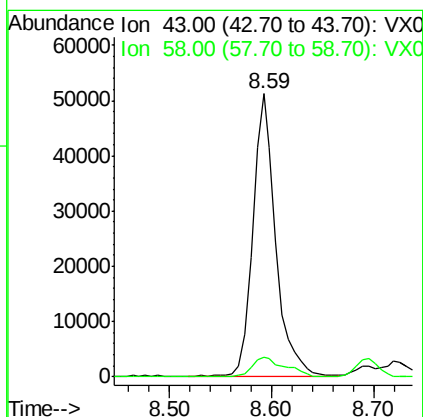
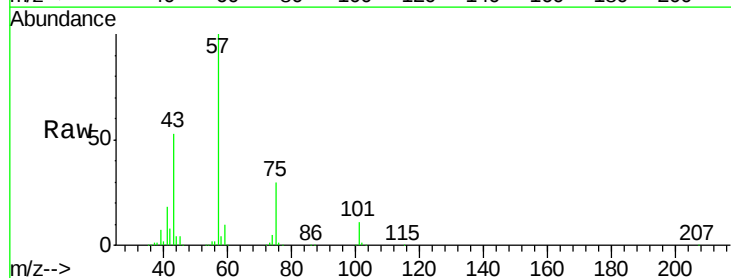
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

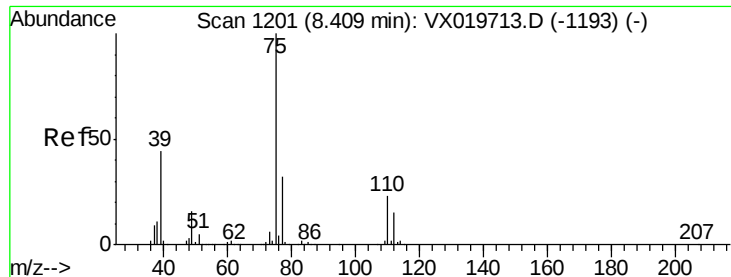
Tgt Ion: 98 Resp: 629480
Ion Ratio Lower Upper
98 100
100 66.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 17.390 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

Tgt Ion: 43 Resp: 79450
Ion Ratio Lower Upper
43 100
58 10.1 35.4 53.0#



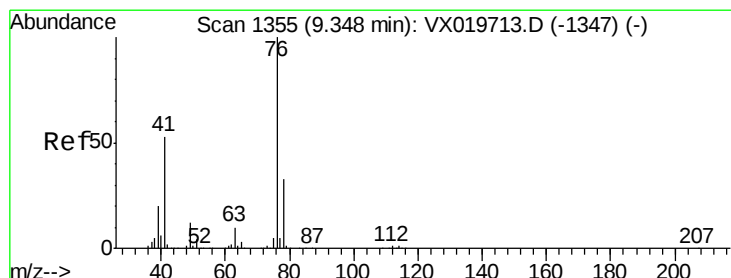
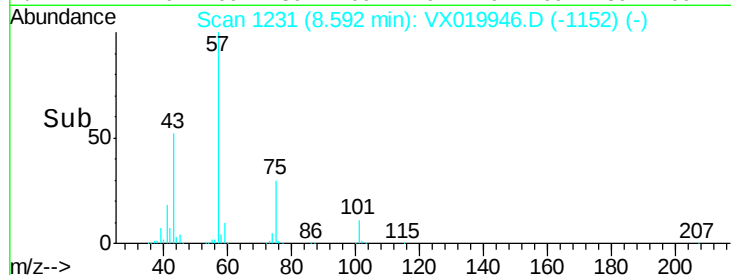
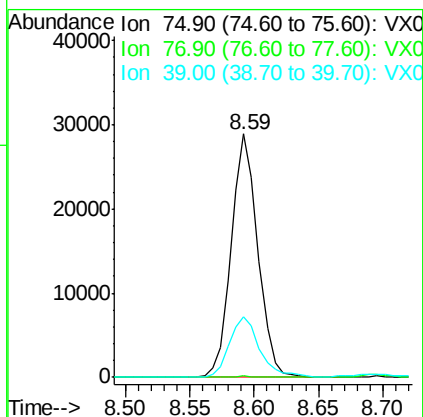
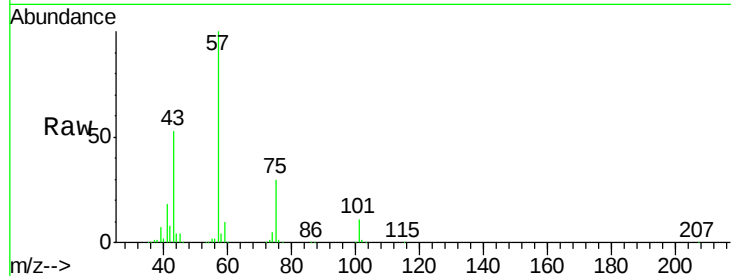


#54

cis-1,3-Dichloropropene
 Concen: 7.408 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-TOP

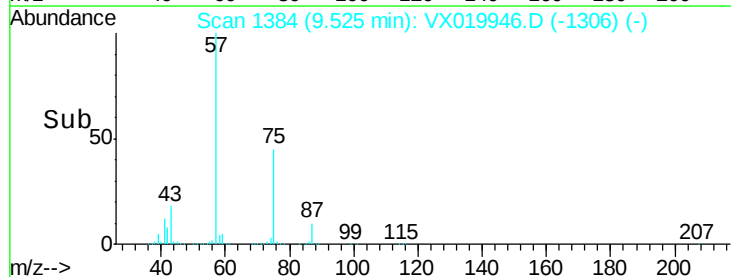
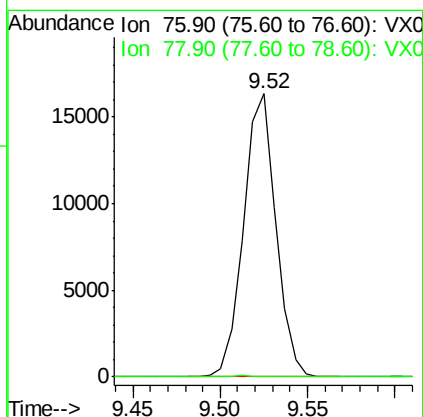
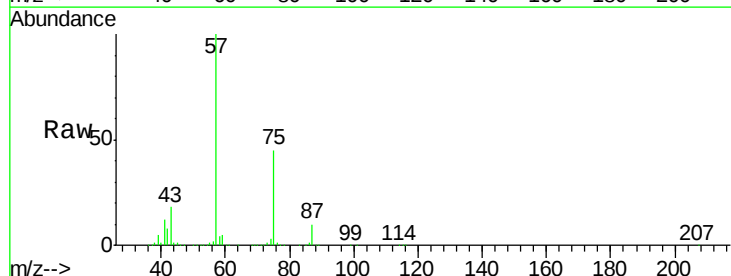
Tgt Ion: 75 Resp: 41651
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 25.0 35.1 52.7#

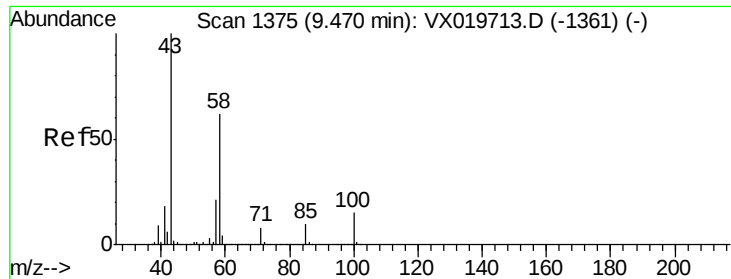


#57

1,3-Dichloropropane
 Concen: 3.499 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019946.D
 Acq: 12 Dec 2020 20:40

Tgt Ion: 76 Resp: 20968
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

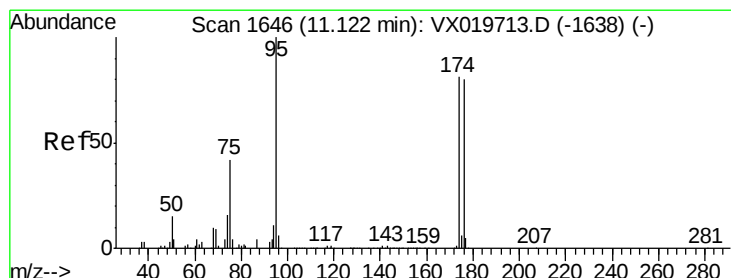
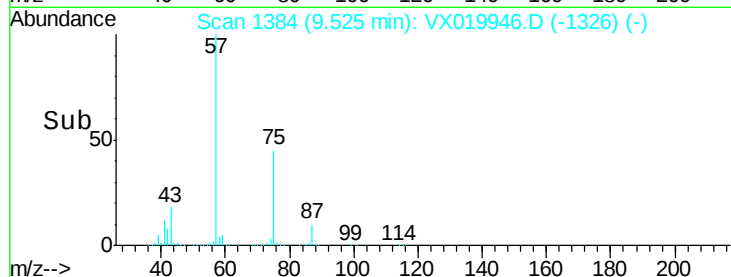
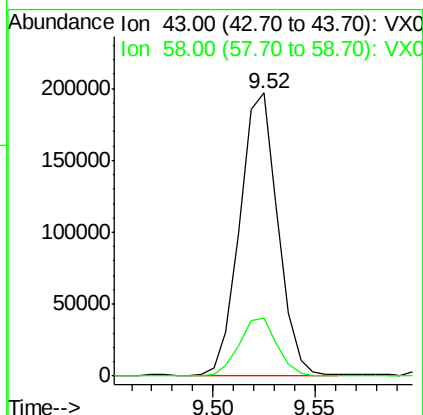
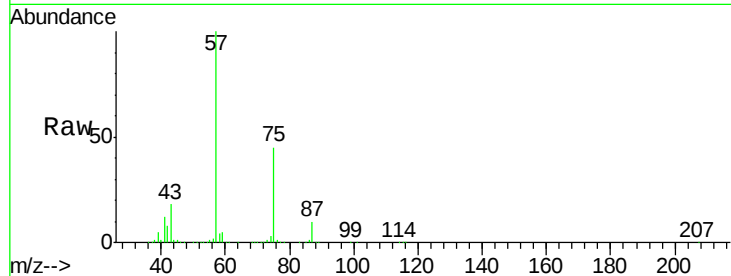




#59
2-Hexanone
Concen: 71.671 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

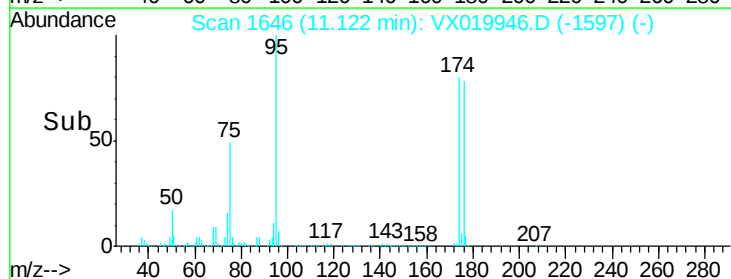
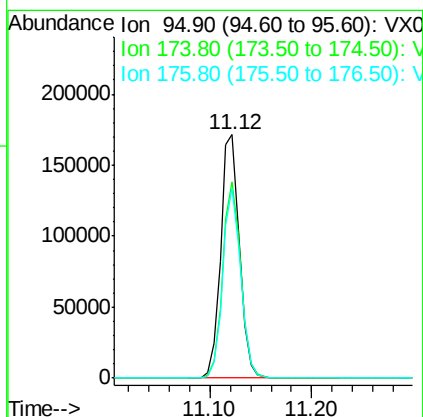
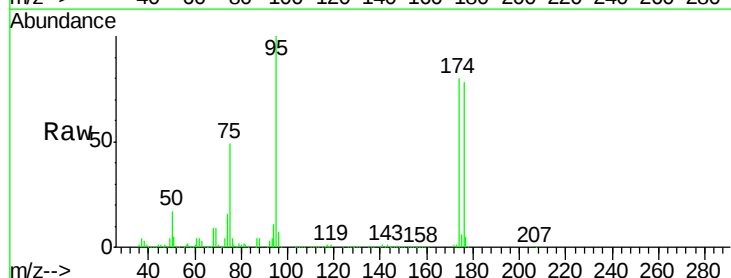
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

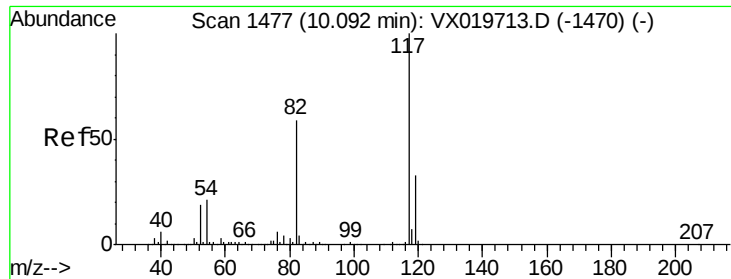
Tgt Ion: 43 Resp: 253810
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.640 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

Tgt Ion: 95 Resp: 220961
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 74.3 0.0 155.8

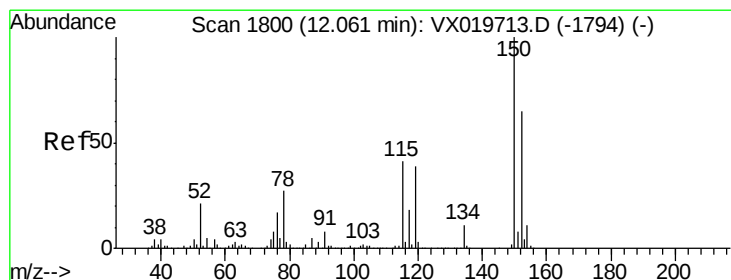
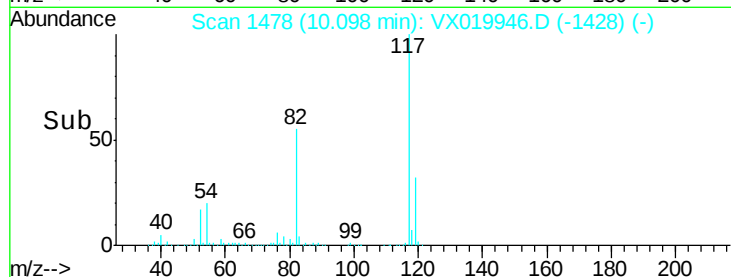
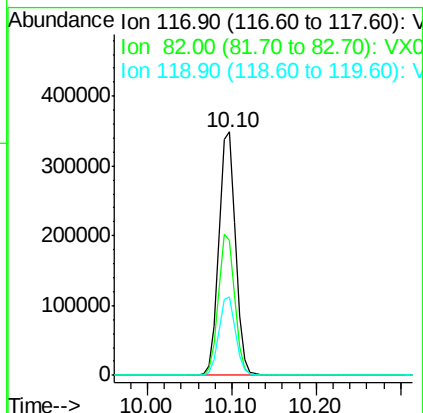
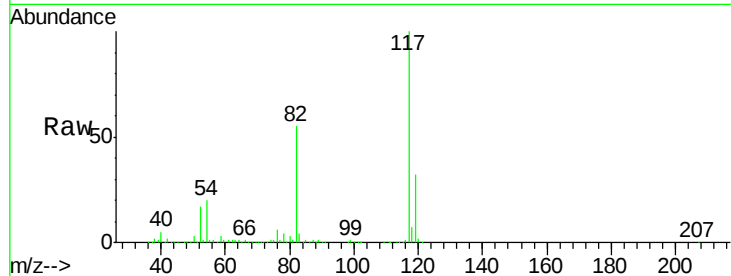




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

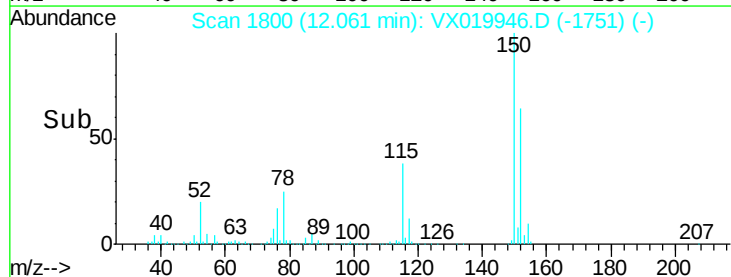
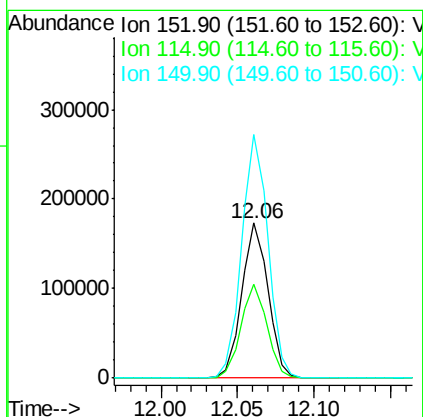
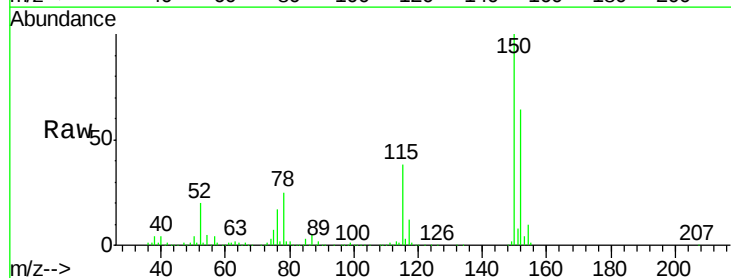
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-TOP

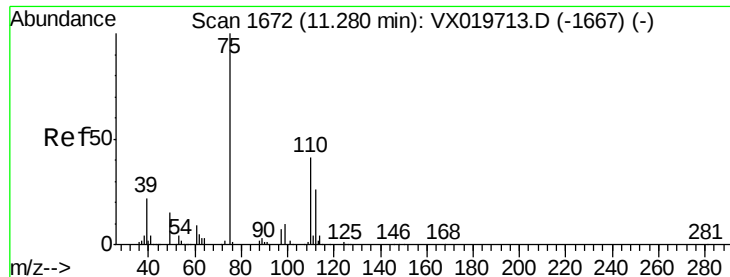
Tgt Ion:117 Resp: 480450
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019946.D
Acq: 12 Dec 2020 20:40

Tgt Ion:152 Resp: 206562
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 157.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.359 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019946.D

Acq: 12 Dec 2020 20:40

Instrument :

MSVOA_X

ClientSampleId :

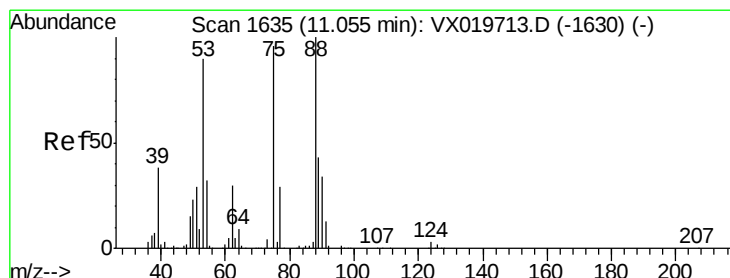
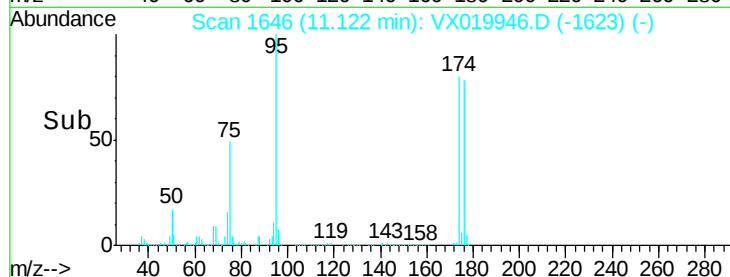
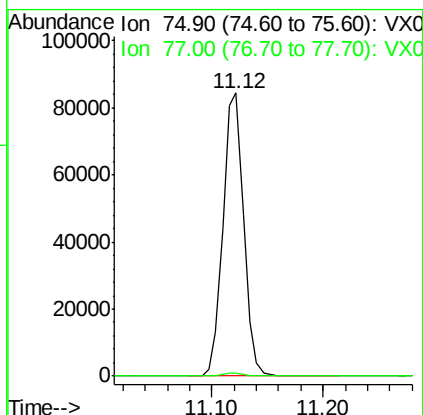
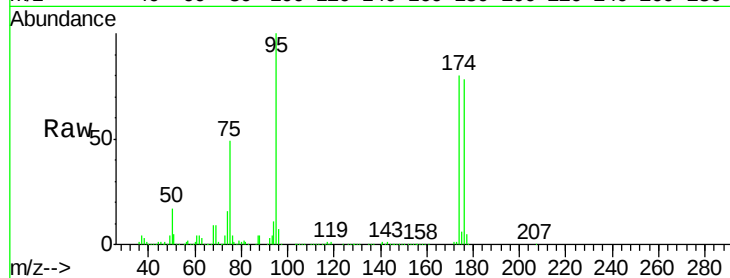
TR3-C-TOP

Tgt Ion: 75 Resp: 108216

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.525 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019946.D

Acq: 12 Dec 2020 20:40

Tgt Ion: 75 Resp: 108216

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

