

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019947.D
 Acq On : 12 Dec 2020 21:04
 Operator : JC/MD
 Sample : L4984-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-BOTTOM

Quant Time: Dec 14 08:20:46 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	302608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	472932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197136	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	196545	49.42	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.84%	
35) Dibromofluoromethane		5.46	113	157636	48.48	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.96%	
50) Toluene-d8		8.70	98	621427	50.06	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.12%	
62) 4-Bromofluorobenzene		11.12	95	215682	45.65	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.30%	

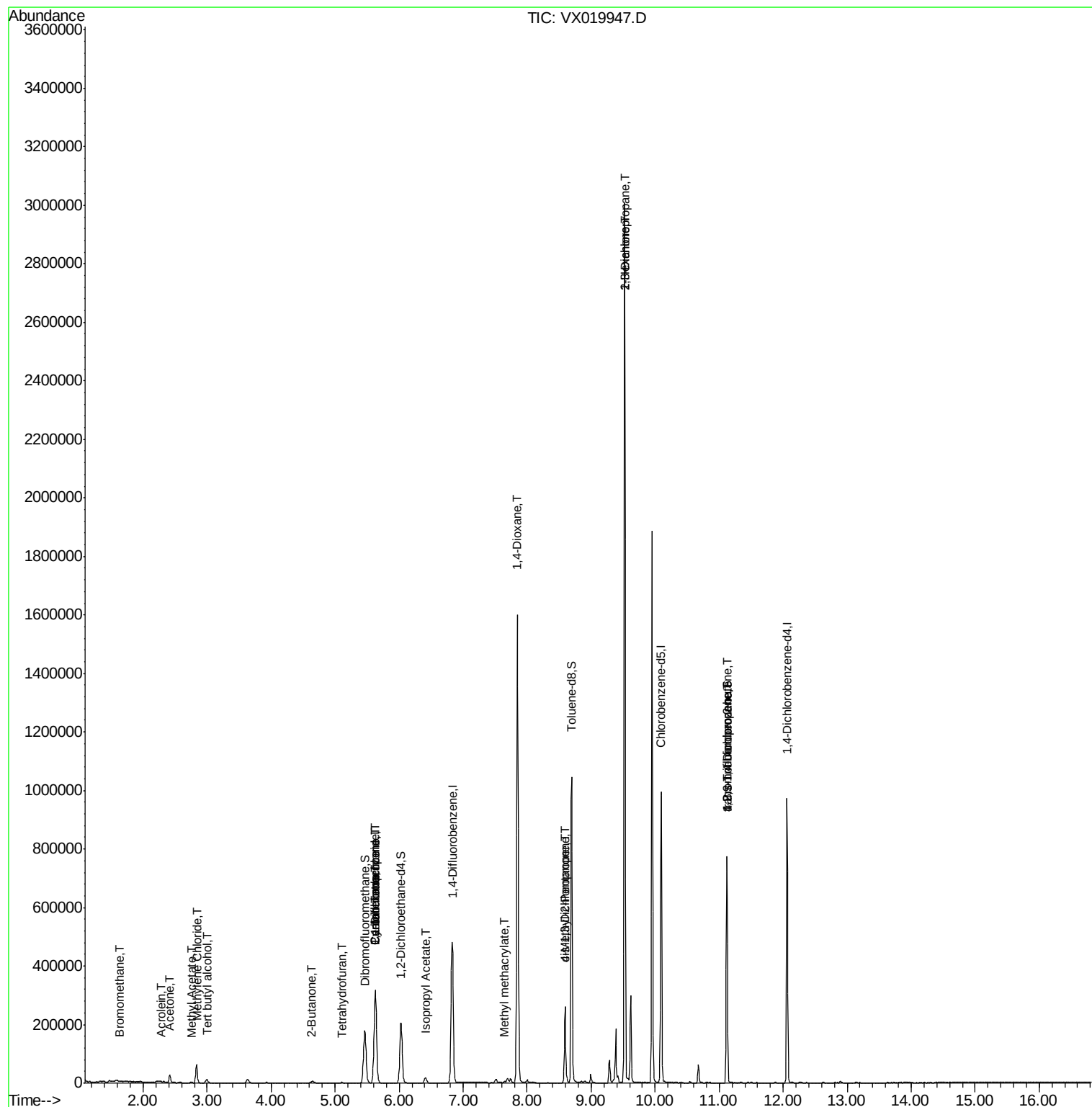
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	360	0.316	ug/l #	70
11) Tert butyl alcohol	3.00	59	7251	6.321	ug/l #	78
13) Acrolein	2.28	56	120	0.273	ug/l #	1
16) Acetone	2.42	43	26185	17.516	ug/l	96
18) Methyl Acetate	2.75	43	2506	0.685	ug/l	97
20) Methylene Chloride	2.84	84	30011	7.587	ug/l	96
25) 2-Butanone	4.64	43	3909	1.702	ug/l #	82
29) Tetrahydrofuran	5.10	42	1012	0.684	ug/l #	88
31) Cyclohexane	5.62	56	5754	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23056	5.071	ug/l #	48
38) Carbon Tetrachloride	5.62	117	29982	6.734	ug/l #	17
43) Isopropyl Acetate	6.41	43	24059	3.224	ug/l	98
48) Methyl methacrylate	7.65	41	6614	1.802	ug/l #	10
49) 1,4-Dioxane	7.84	88	174	1.957	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	81183	17.817	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	43345	7.730	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	26402	4.417	ug/l #	43
59) 2-Hexanone	9.52	43	324609	91.910	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	103161	23.332	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	103161	67.449	ug/l #	12

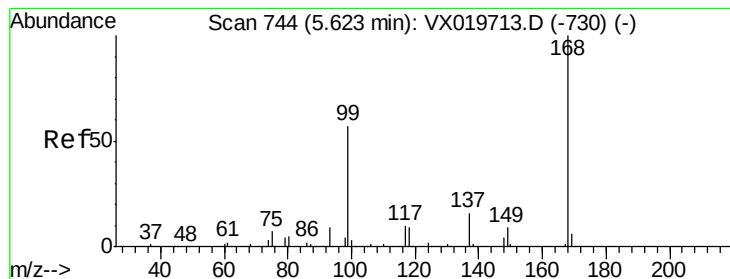
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019947.D

Acq: 12 Dec 2020 21:04

Instrument :

MSVOA_X

ClientSampleId :

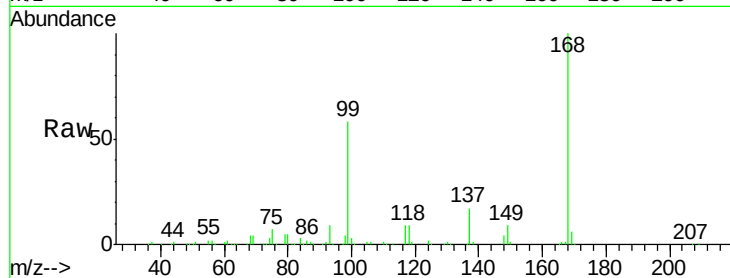
TR3-C-BOTTOM

Tgt Ion: 168 Resp: 302608

Ion Ratio Lower Upper

168 100

99 57.6 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

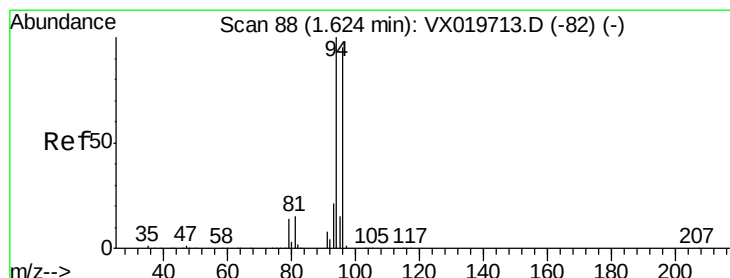
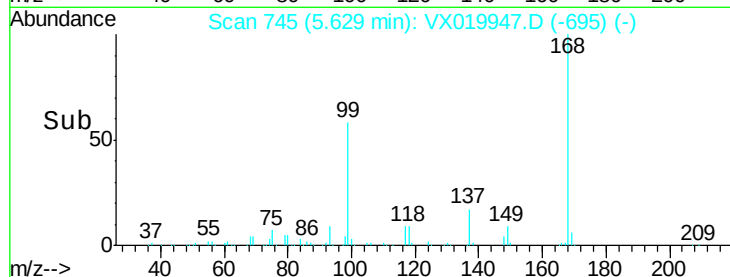
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.316 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019947.D

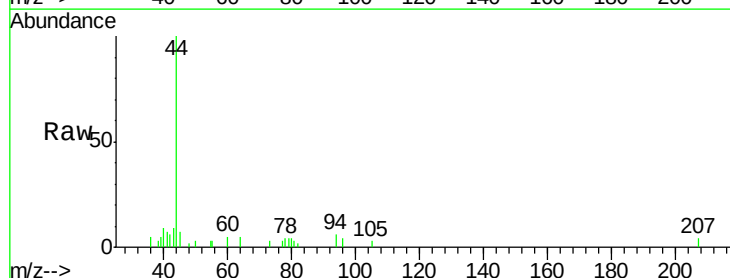
Acq: 12 Dec 2020 21:04

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 65.9 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

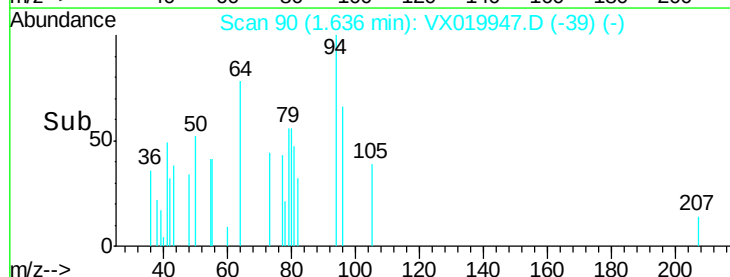
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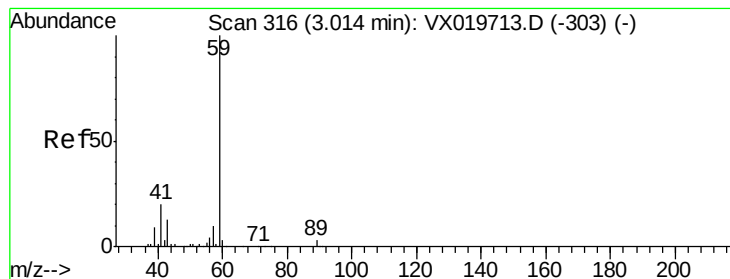
100

50

0

Time-->



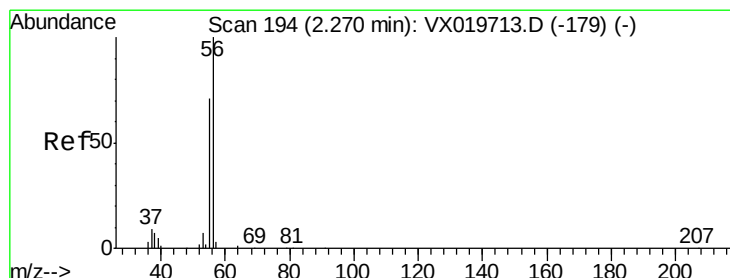
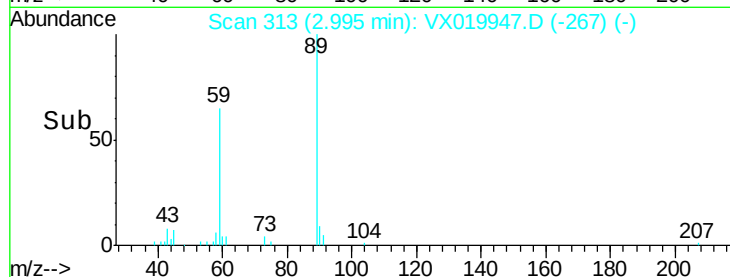
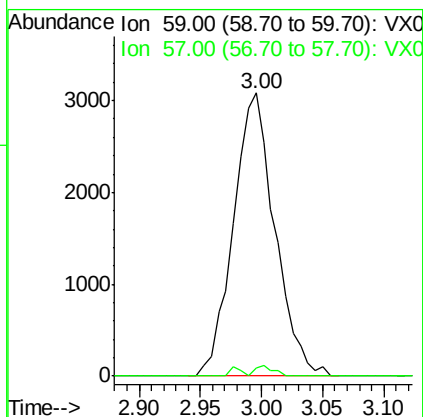
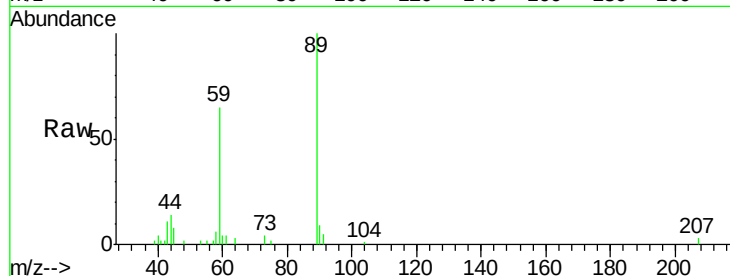


#11

Tert butyl alcohol
 Concen: 6.321 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-BOTTOM

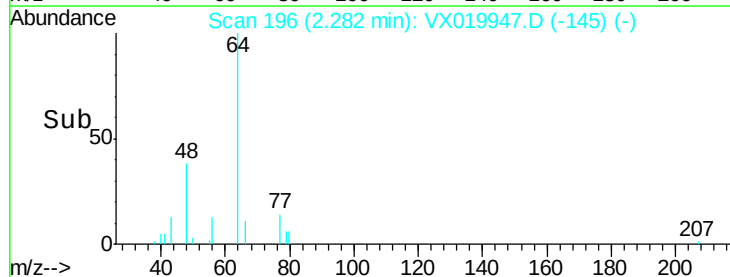
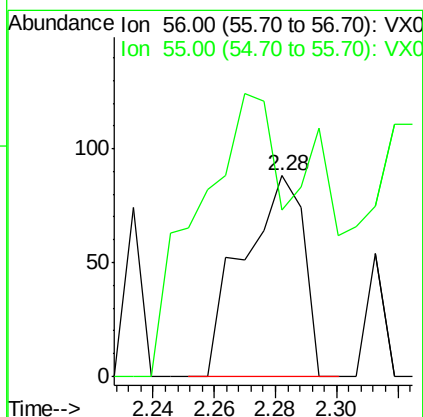
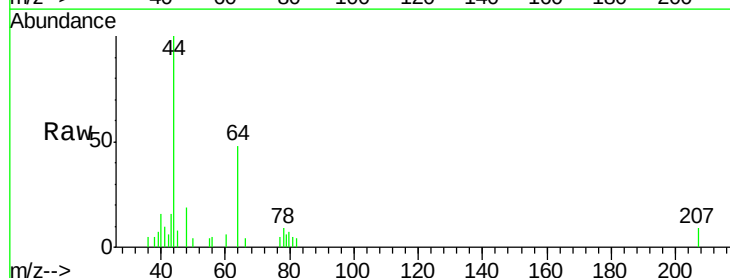
Tgt Ion: 59 Resp: 7251
 Ion Ratio Lower Upper
 59 100
 57 1.6 7.8 11.8#

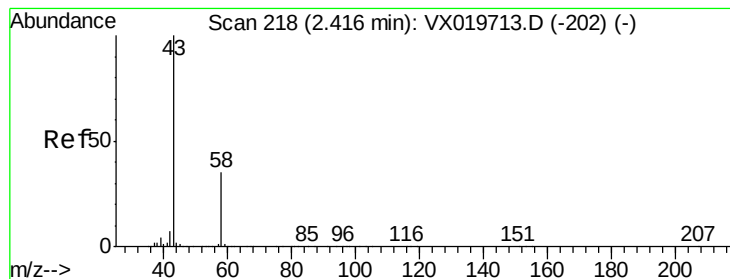


#13

Acrolein
 Concen: 0.273 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

Tgt Ion: 56 Resp: 120
 Ion Ratio Lower Upper
 56 100
 55 213.3 56.4 84.6#





#16

Acetone

Concen: 17.516 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019947.D

Acq: 12 Dec 2020 21:04

Instrument :

MSVOA_X

ClientSampleId :

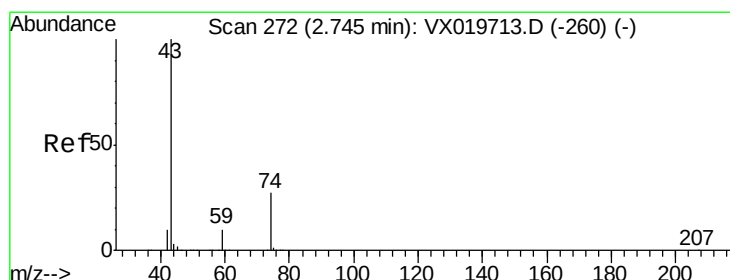
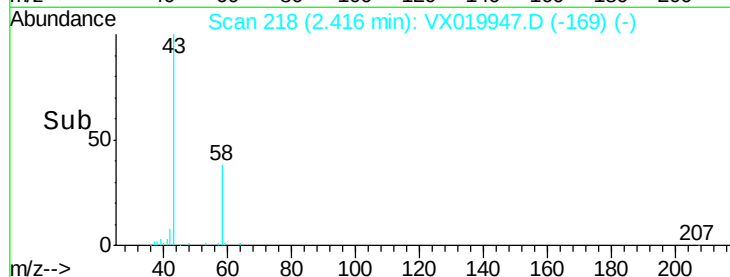
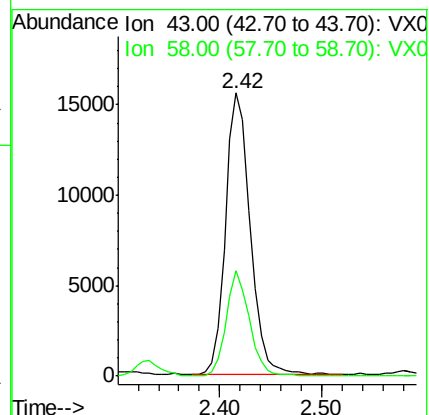
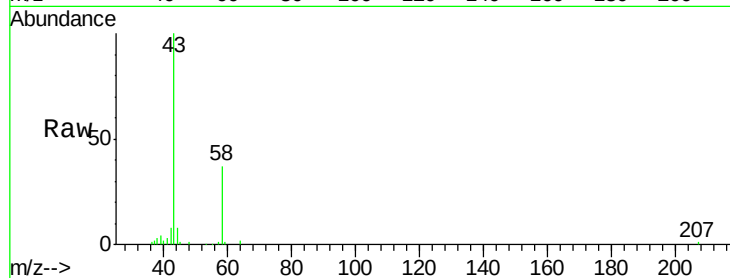
TR3-C-BOTTOM

Tgt Ion: 43 Resp: 26185

Ion Ratio Lower Upper

43 100

58 37.2 27.8 41.8



#18

Methyl Acetate

Concen: 0.685 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019947.D

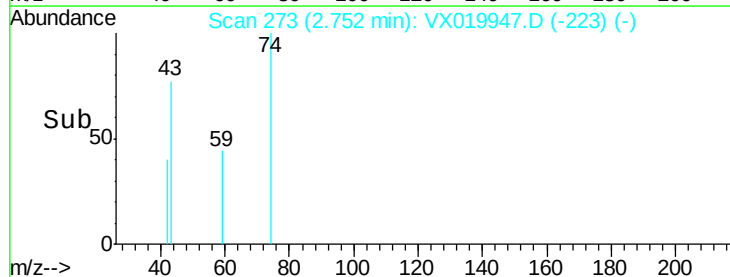
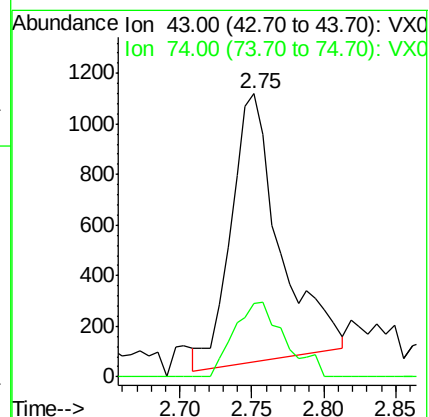
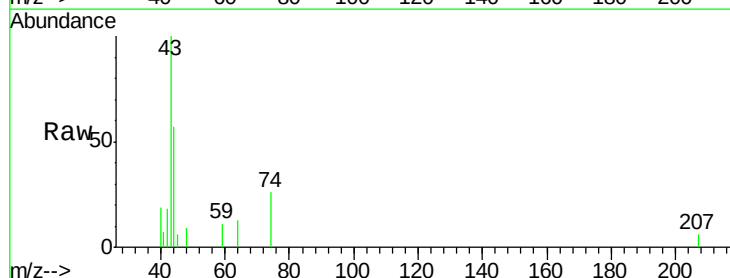
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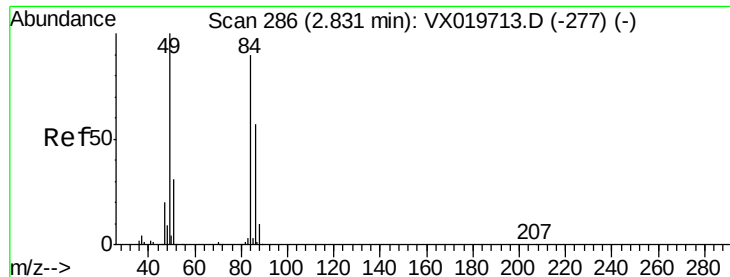
Tgt Ion: 43 Resp: 2506

Ion Ratio Lower Upper

43 100

74 29.0 21.9 32.9

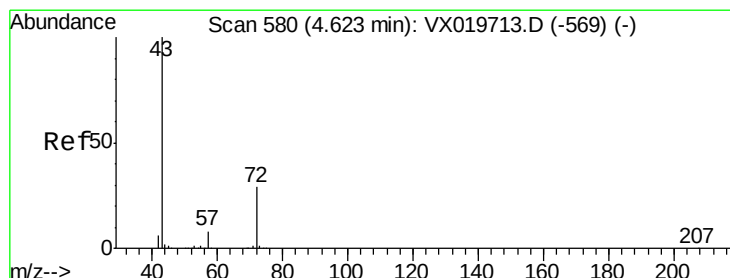
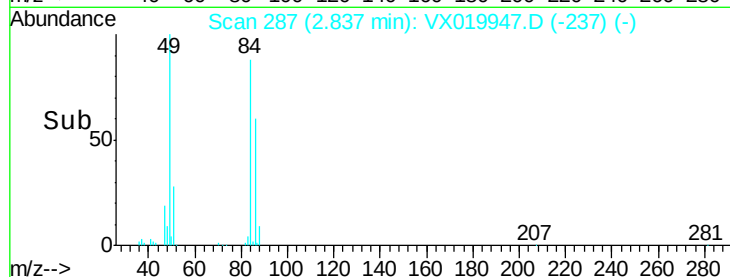
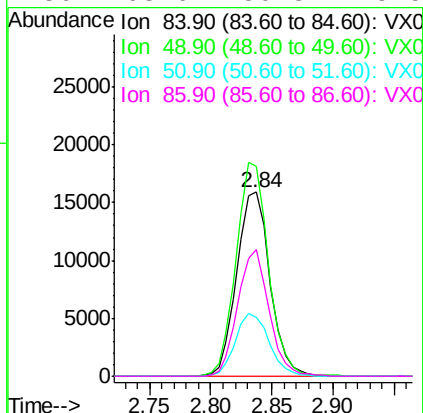
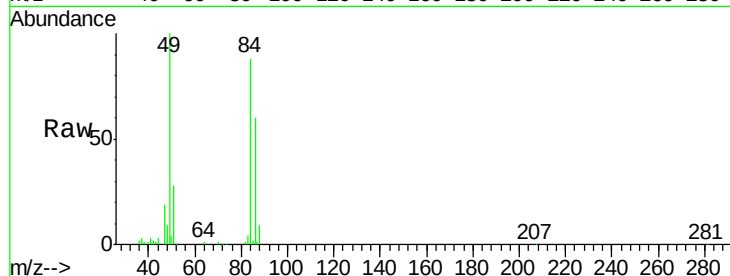




#20
Methylene Chloride
Concen: 7.587 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

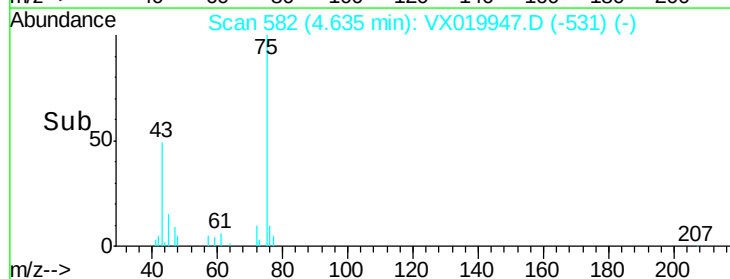
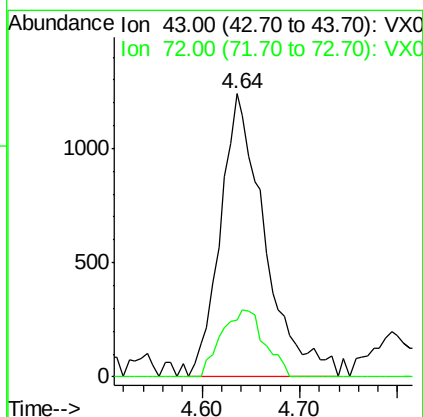
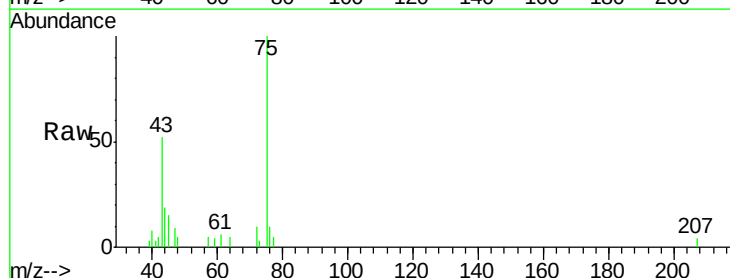
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-BOTTOM

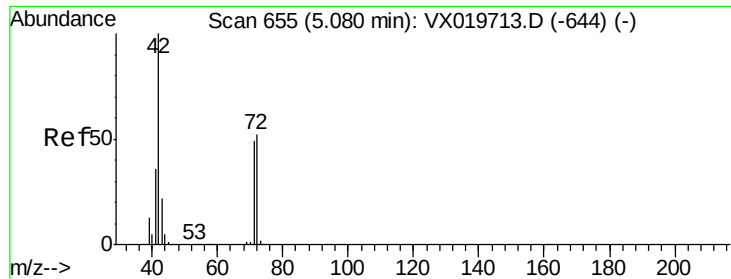
Tgt Ion: 84 Resp: 30011
Ion Ratio Lower Upper
84 100
49 113.8 88.6 132.8
51 32.0 27.0 40.6
86 68.6 50.3 75.5



#25
2-Butanone
Concen: 1.702 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

Tgt Ion: 43 Resp: 3909
Ion Ratio Lower Upper
43 100
72 20.1 23.7 35.5#

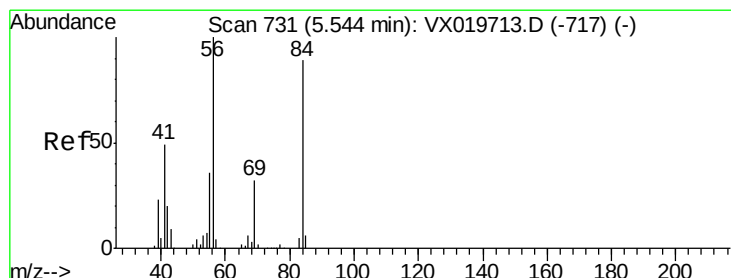
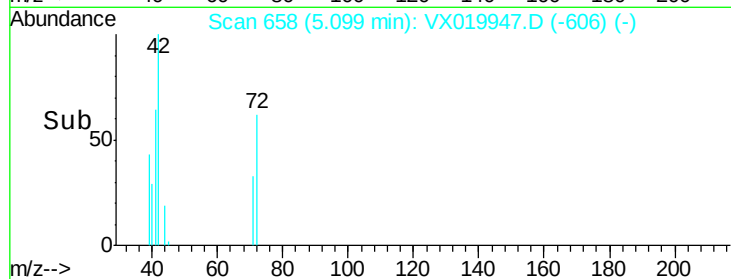
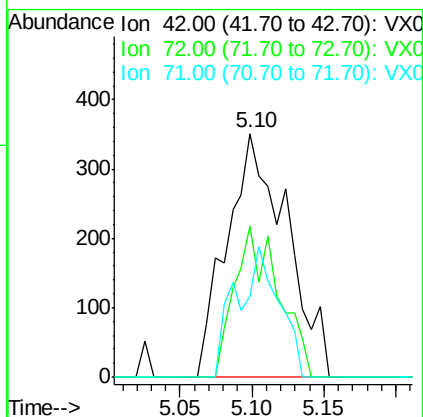
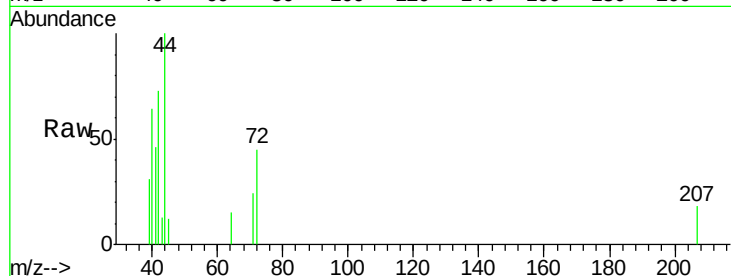




#29
Tetrahydrofuran
Concen: 0.684 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

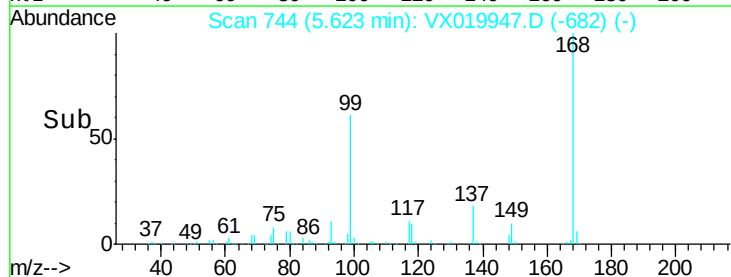
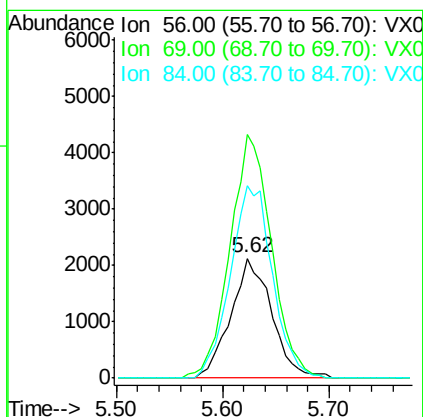
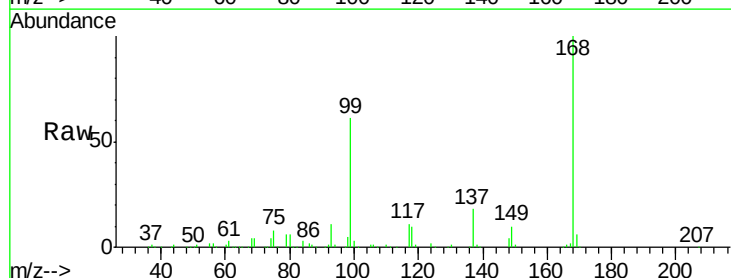
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TR3-C-BOTTOM

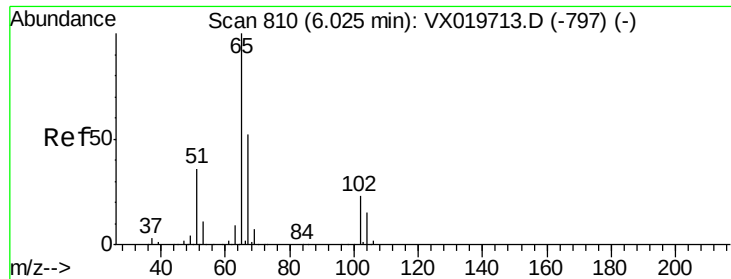
Tgt Ion: 42 Resp: 1012
Ion Ratio Lower Upper
42 100
72 45.9 41.7 62.5
71 38.1 38.4 57.6#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

Tgt Ion: 56 Resp: 5754
Ion Ratio Lower Upper
56 100
69 203.7 25.3 37.9#
84 160.8 71.4 107.0#

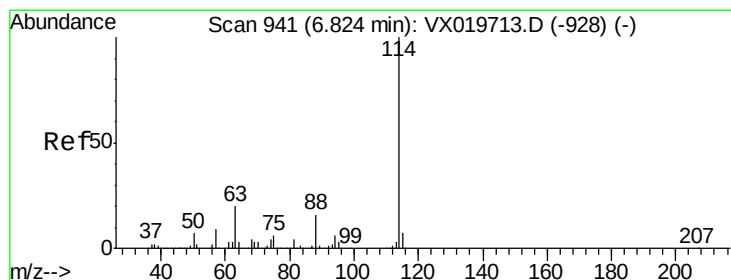
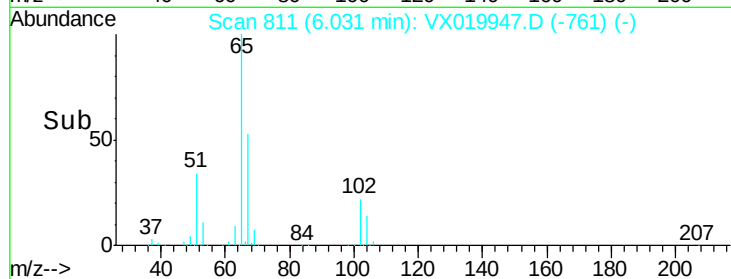
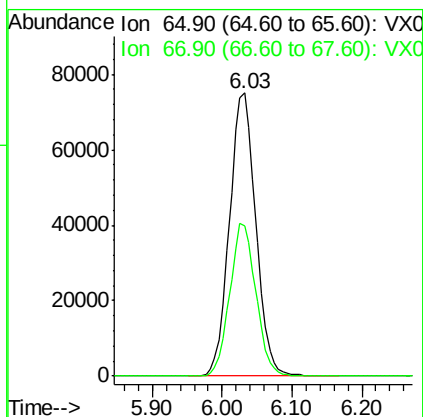
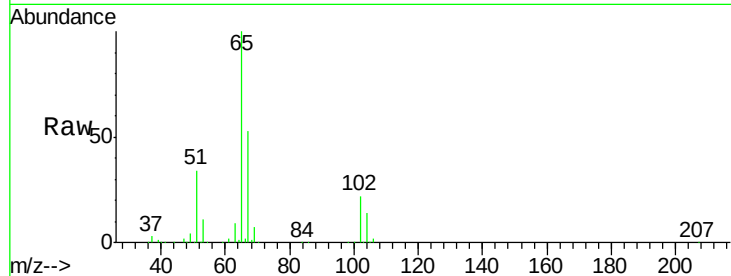




#33
 1,2-Dichloroethane-d4
 Concen: 49.418 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

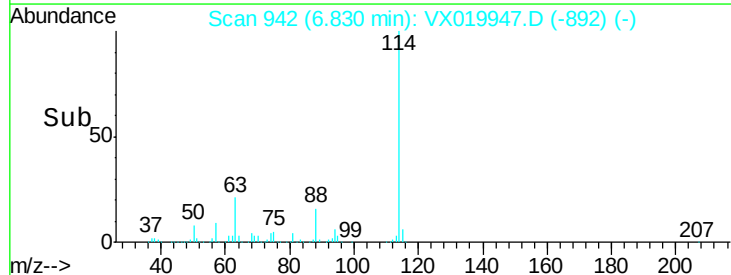
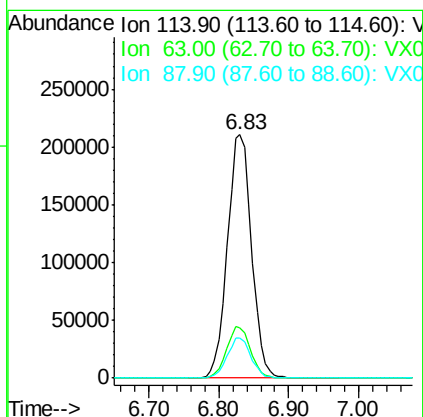
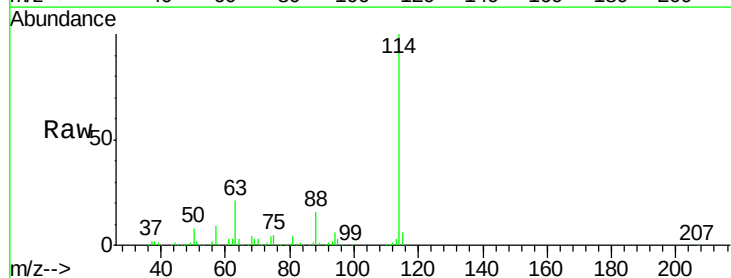
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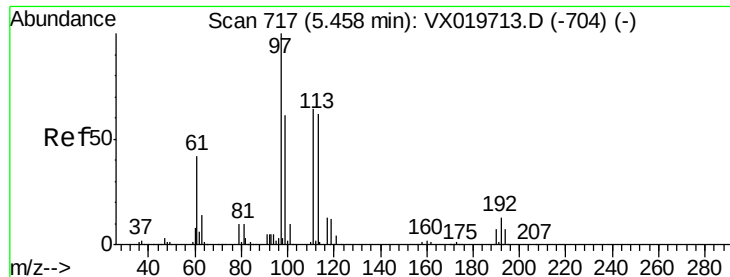
Tgt Ion: 65 Resp: 196545
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

Tgt Ion: 114 Resp: 503127
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 16.4 0.0 32.8

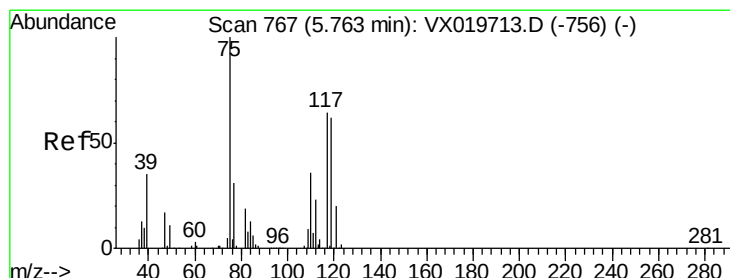
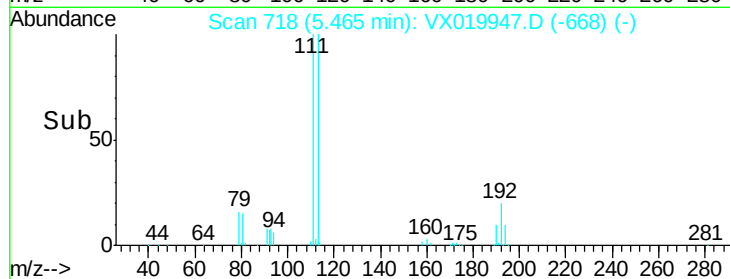
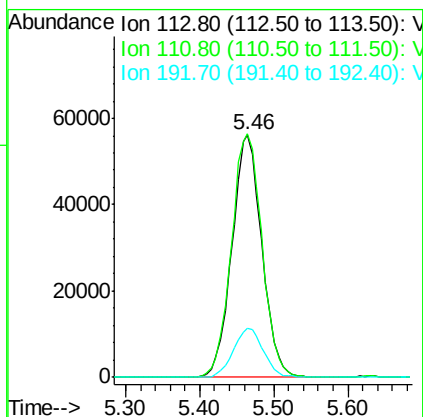
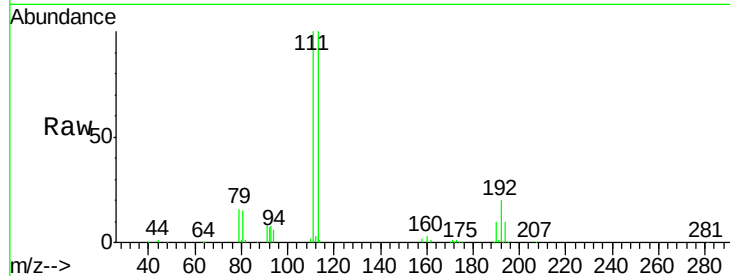




#35
 Dibromofluoromethane
 Concen: 48.479 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

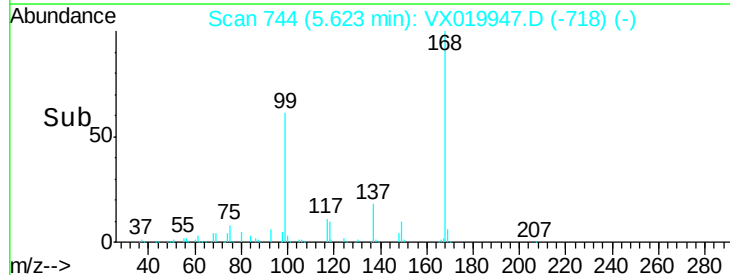
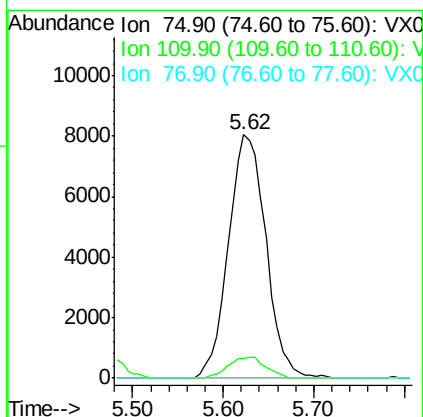
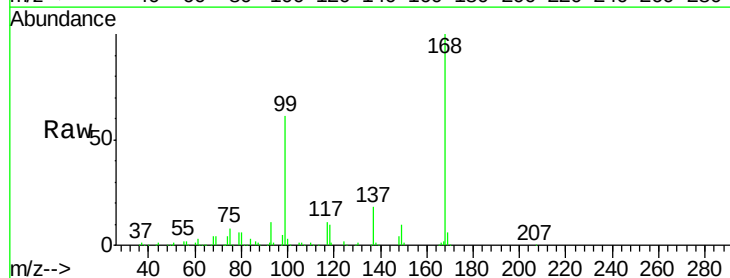
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-BOTTOM

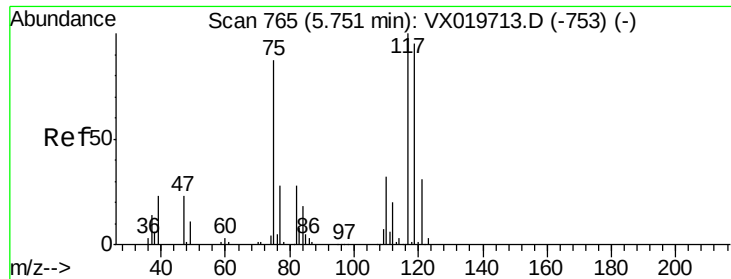
Tgt Ion:113 Resp: 157636
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 20.5 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.071 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

Tgt Ion: 75 Resp: 23056
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.734 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019947.D

Acq: 12 Dec 2020 21:04

Instrument :

MSVOA_X

ClientSampleId :

TR3-C-BOTTOM

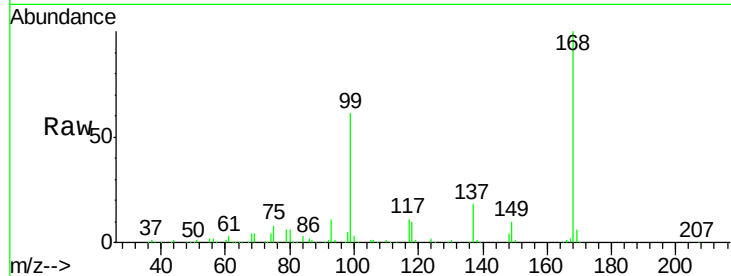
Tgt Ion:117 Resp: 29982

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

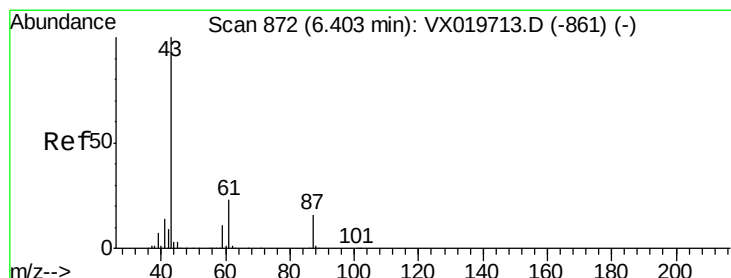
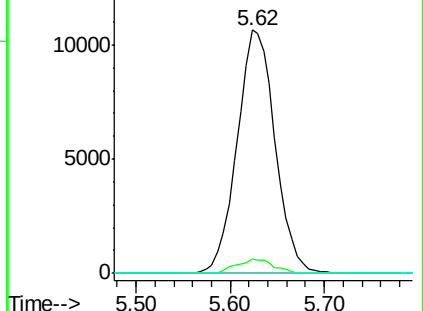
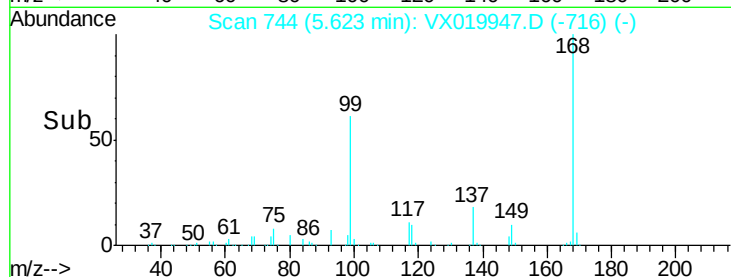
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.224 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019947.D

Acq: 12 Dec 2020 21:04

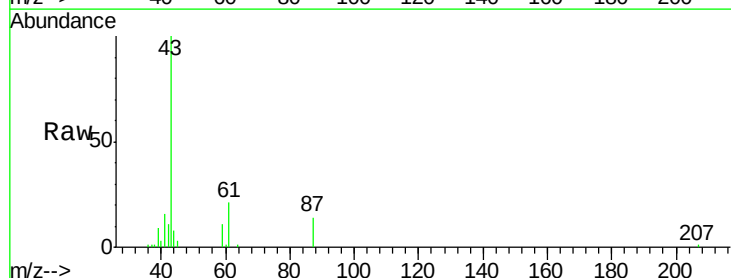
Tgt Ion: 43 Resp: 24059

Ion Ratio Lower Upper

43 100

61 22.3 18.2 27.4

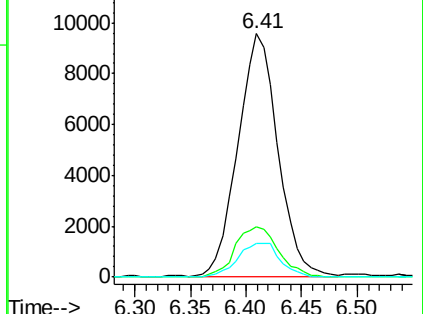
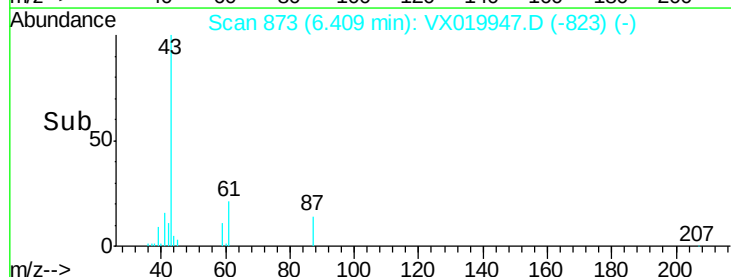
87 14.7 12.5 18.7

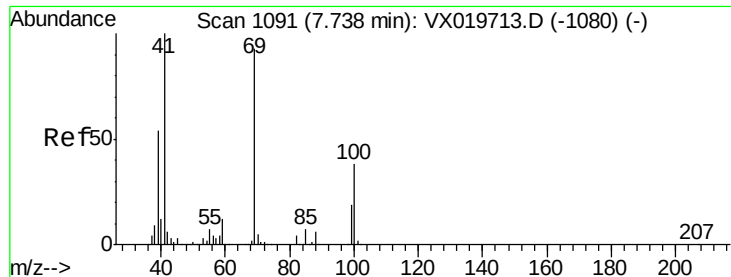


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

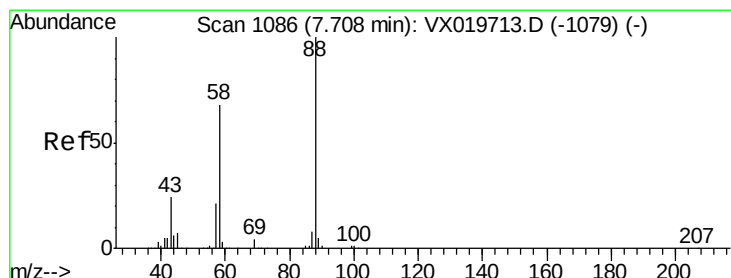
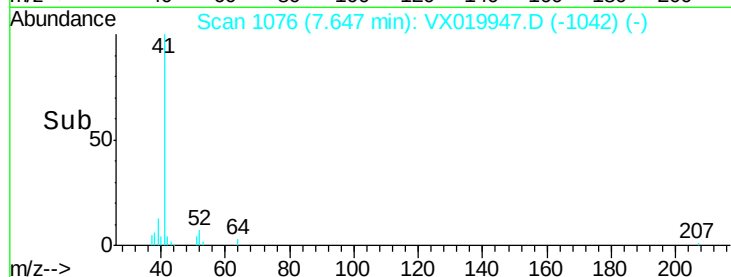
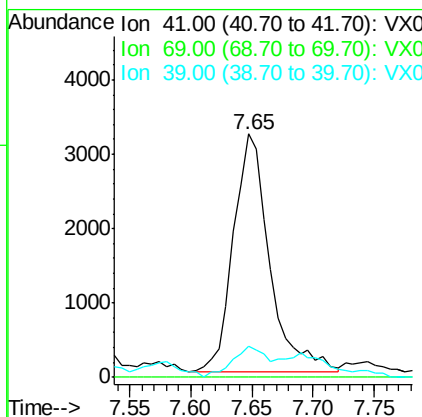
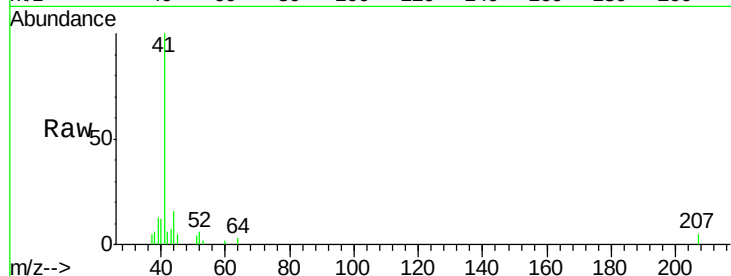




#48
Methyl methacrylate
Concen: 1.802 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

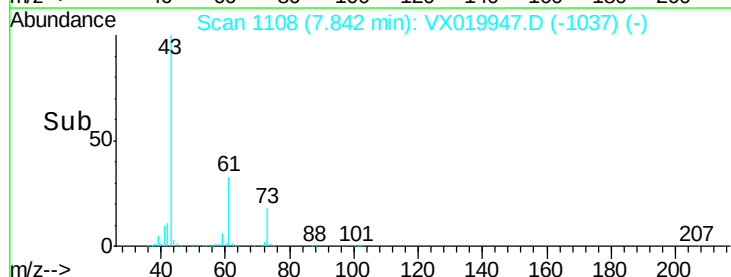
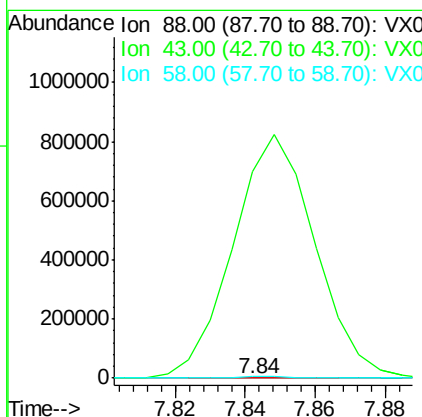
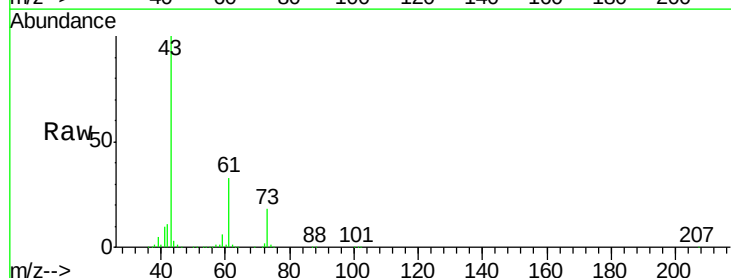
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-BOTTOM

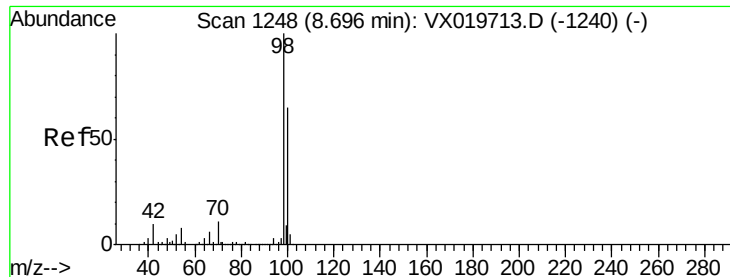
Tgt Ion: 41 Resp: 6614
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.957 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 778986.8 23.2 34.8#
58 4122.4 55.0 82.4#

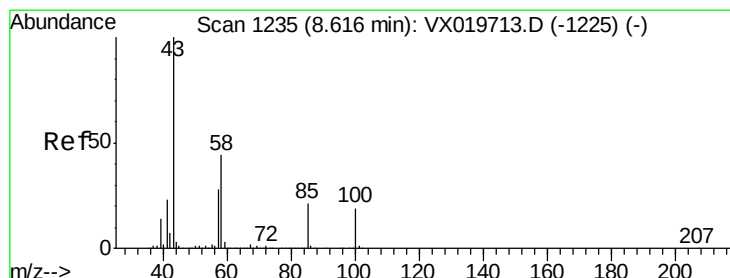
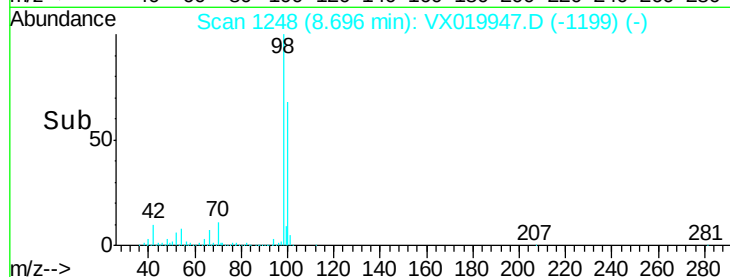
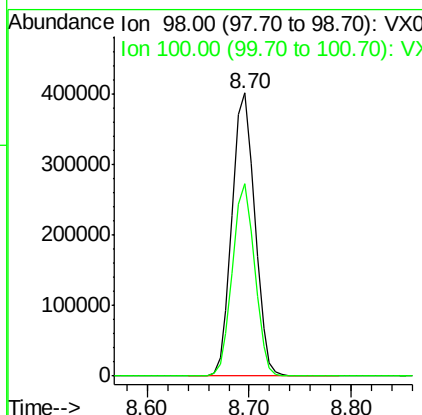
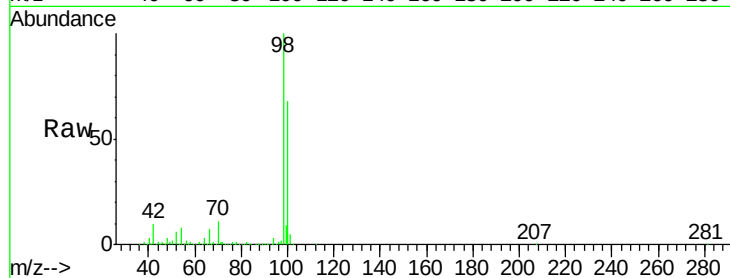




#50
Toluene-d8
Concen: 50.059 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

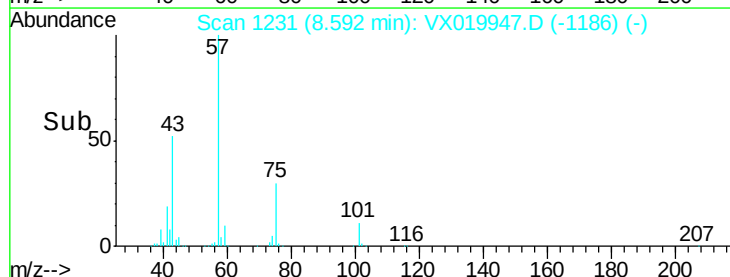
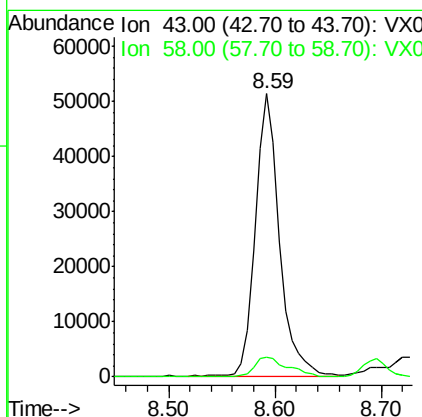
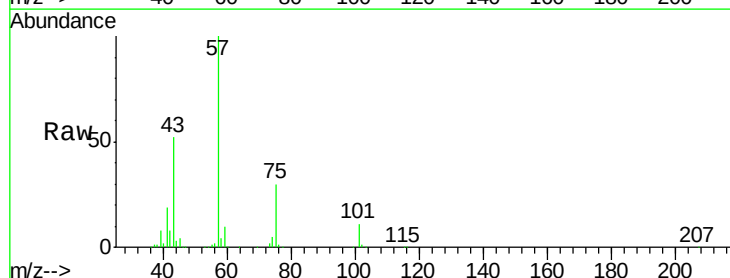
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-BOTTOM

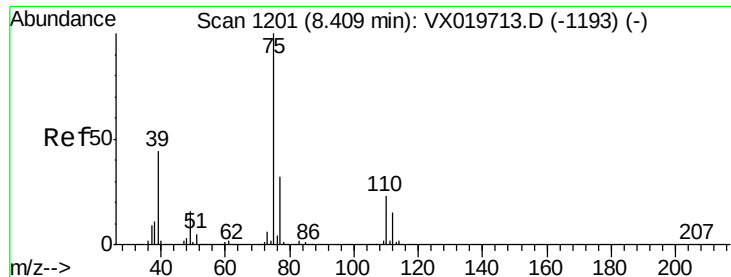
Tgt Ion: 98 Resp: 621427
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 17.817 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

Tgt Ion: 43 Resp: 81183
Ion Ratio Lower Upper
43 100
58 10.0 35.4 53.0#

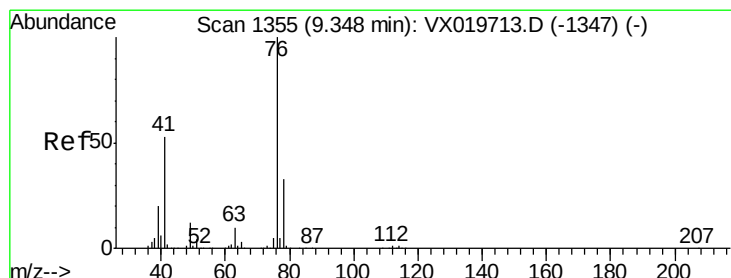
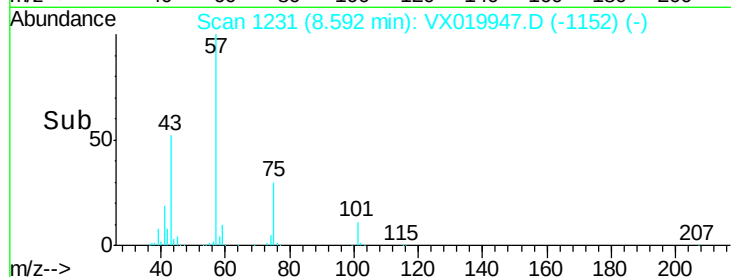
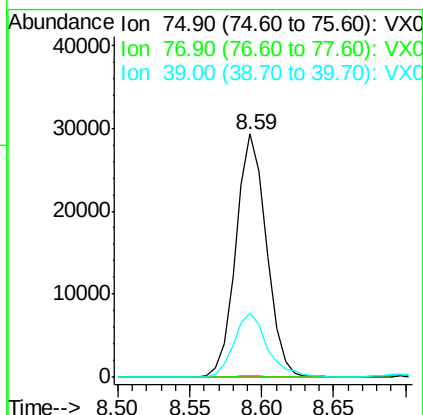
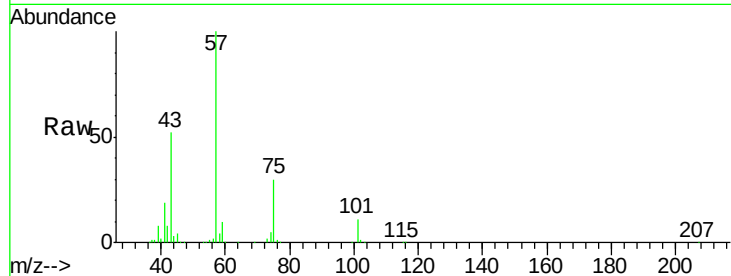




#54
 cis-1,3-Dichloropropene
 Concen: 7.730 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

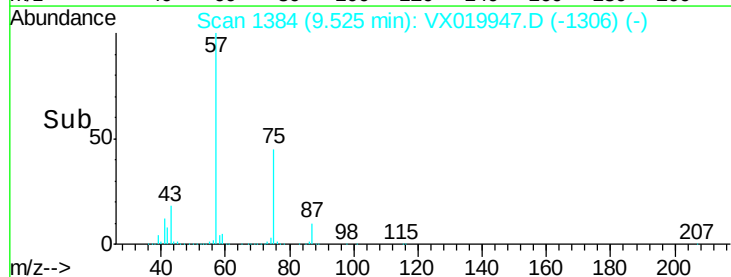
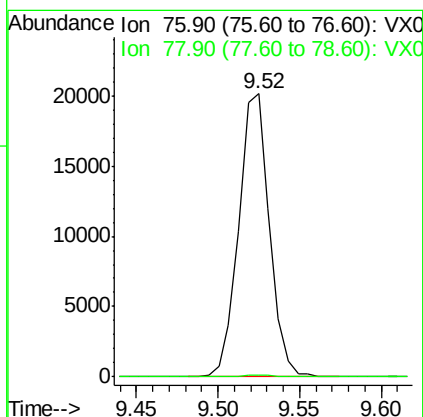
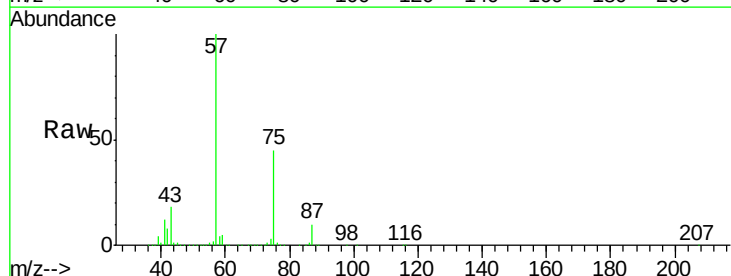
Instrument :
 MSVOA_X
 ClientSampleId :
 TR3-C-BOTTOM

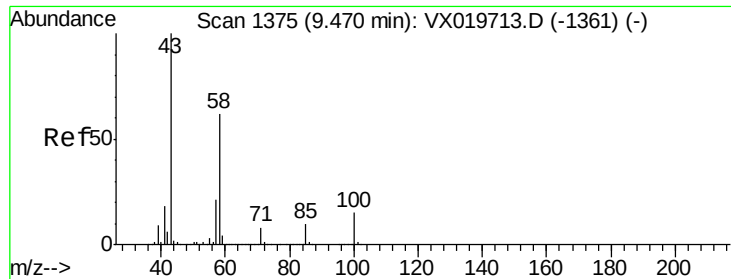
Tgt Ion: 75 Resp: 43345
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 26.5 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.417 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019947.D
 Acq: 12 Dec 2020 21:04

Tgt Ion: 76 Resp: 26402
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

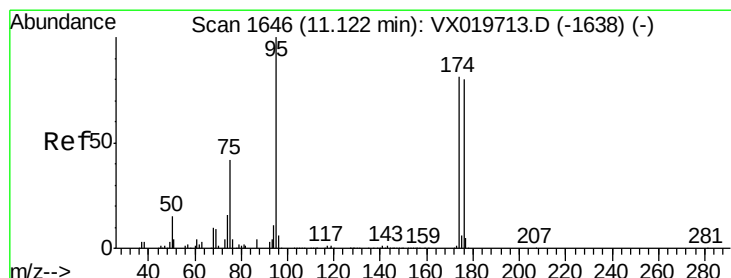
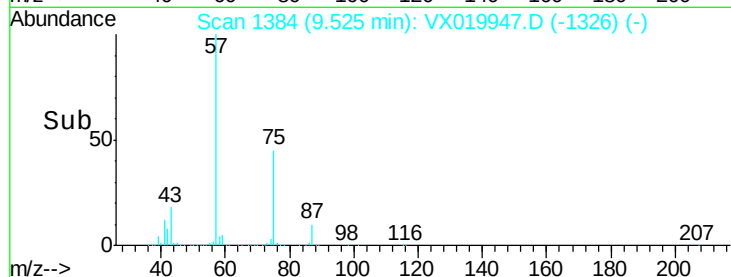
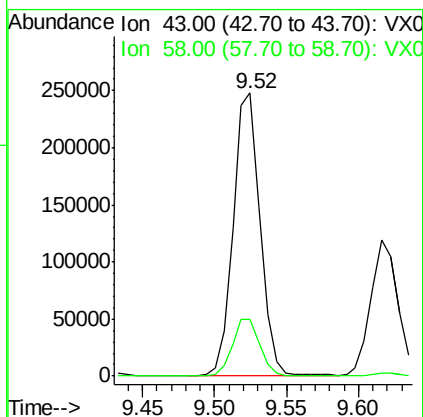
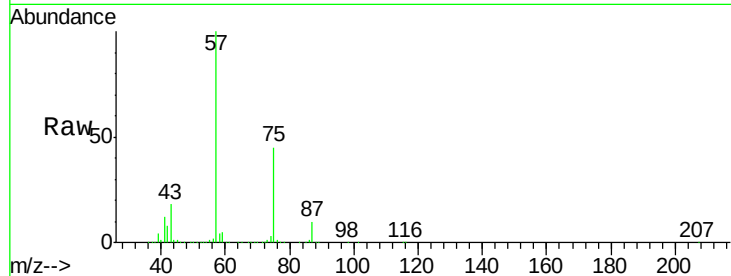




#59
2-Hexanone
Concen: 91.910 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

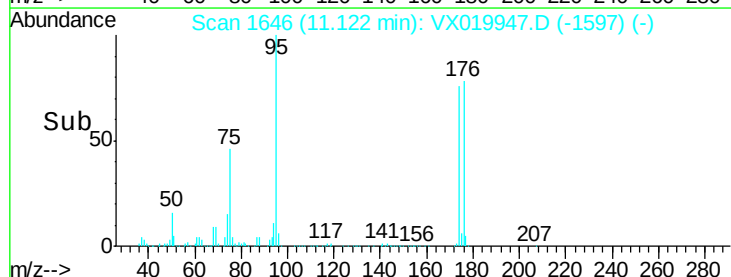
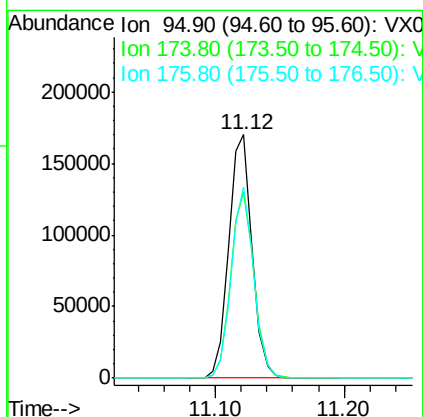
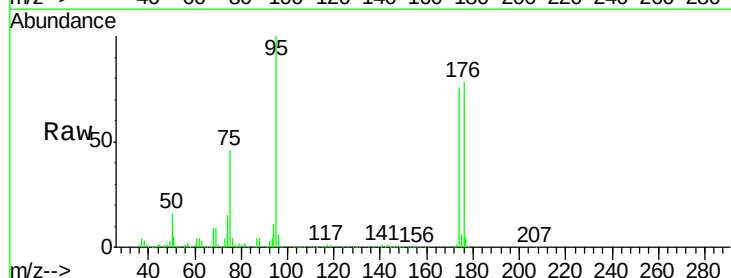
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-BOTTOM

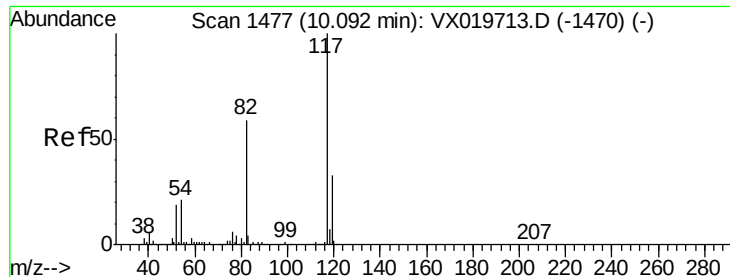
Tgt Ion: 43 Resp: 324609
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.648 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

Tgt Ion: 95 Resp: 215682
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.6
176 75.5 0.0 155.8

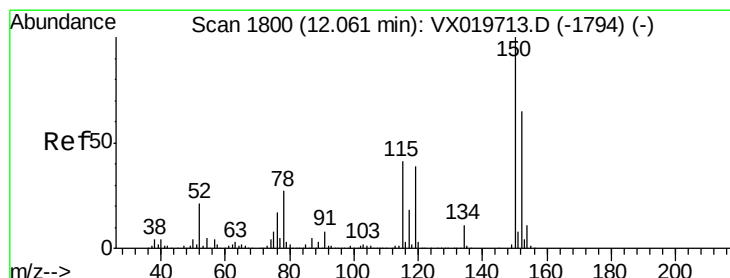
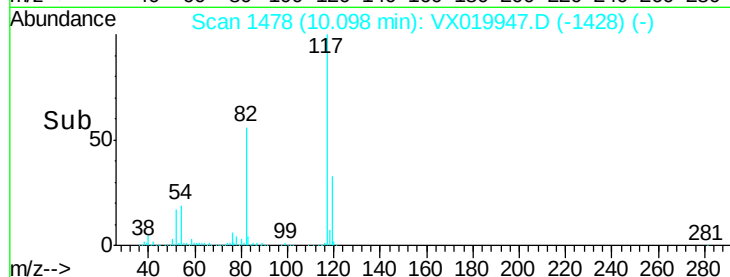
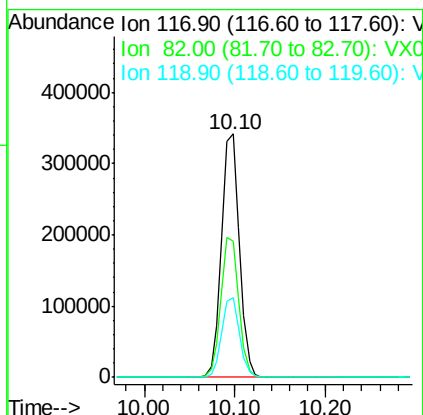
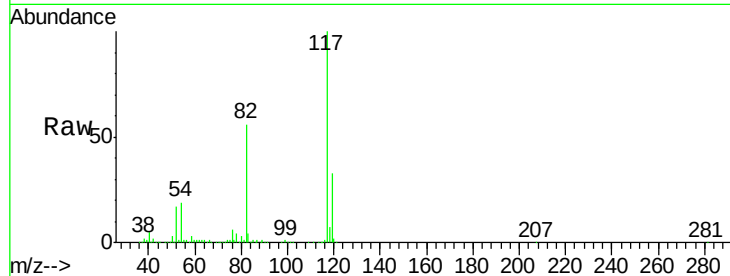




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

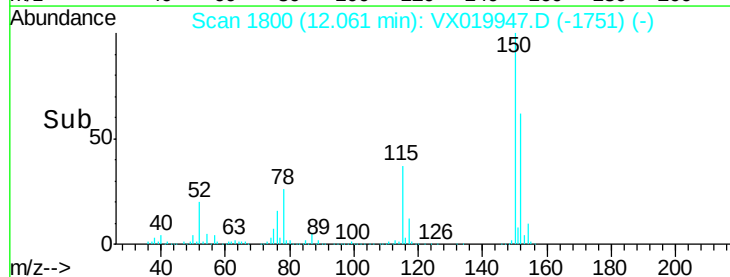
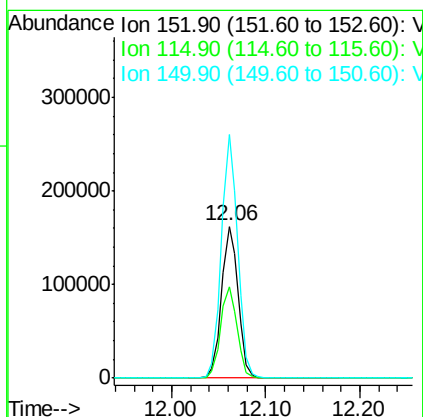
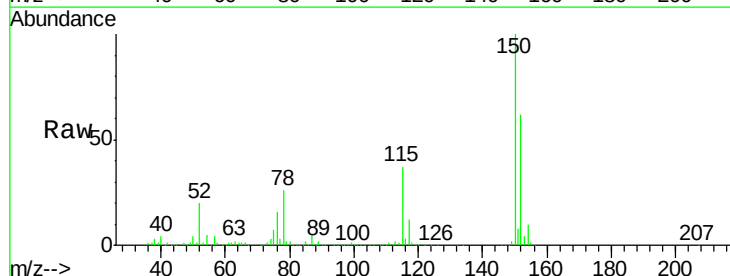
Instrument :
MSVOA_X
ClientSampleId :
TR3-C-BOTTOM

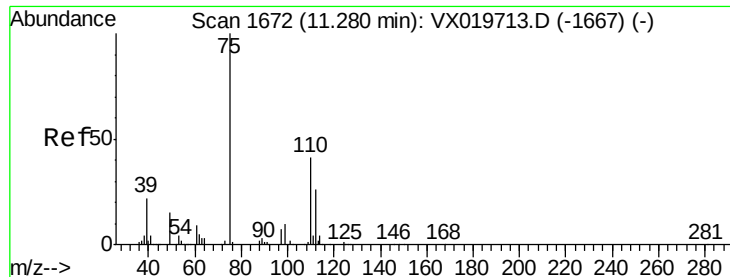
Tgt Ion:117 Resp: 472932
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 33.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019947.D
Acq: 12 Dec 2020 21:04

Tgt Ion:152 Resp: 197136
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 158.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.332 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019947.D

Acq: 12 Dec 2020 21:04

Instrument :

MSVOA_X

ClientSampleId :

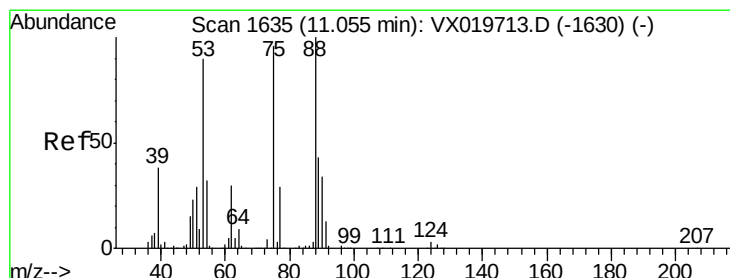
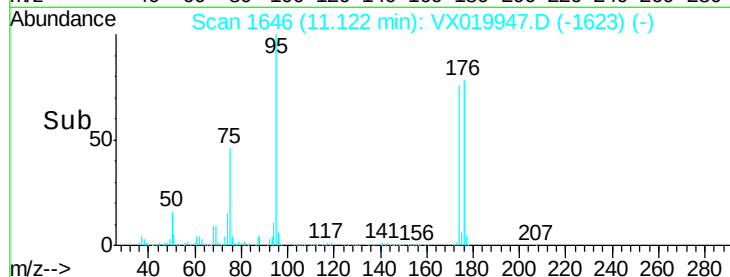
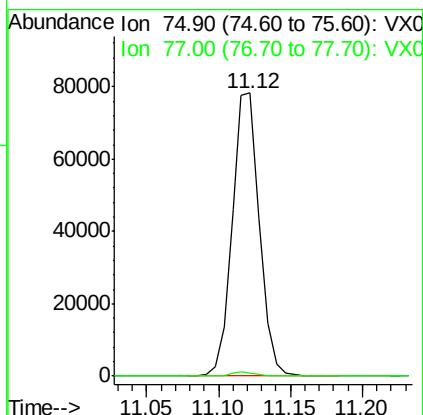
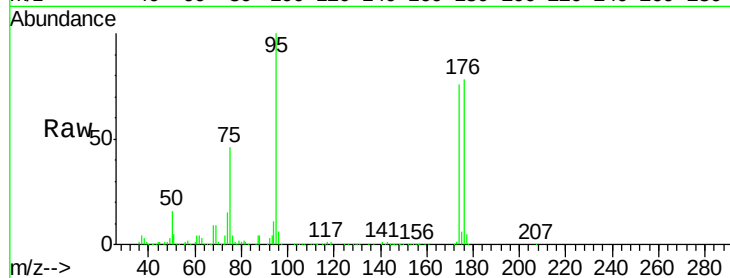
TR3-C-BOTTOM

Tgt Ion: 75 Resp: 103161

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.449 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019947.D

Acq: 12 Dec 2020 21:04

Tgt Ion: 75 Resp: 103161

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

