

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019857.D
 Acq On : 11 Dec 2020 04:40
 Operator : JC/MD
 Sample : L4983-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-C-TOP

Quant Time: Dec 11 05:39:19 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	328779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	539755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	506670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	208449	48.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.48%
35) Dibromofluoromethane	5.46	113	166458	47.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.44%
50) Toluene-d8	8.70	98	667470	50.12	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.24%
62) 4-Bromofluorobenzene	11.12	95	236017	46.56	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.12%

Target Compounds

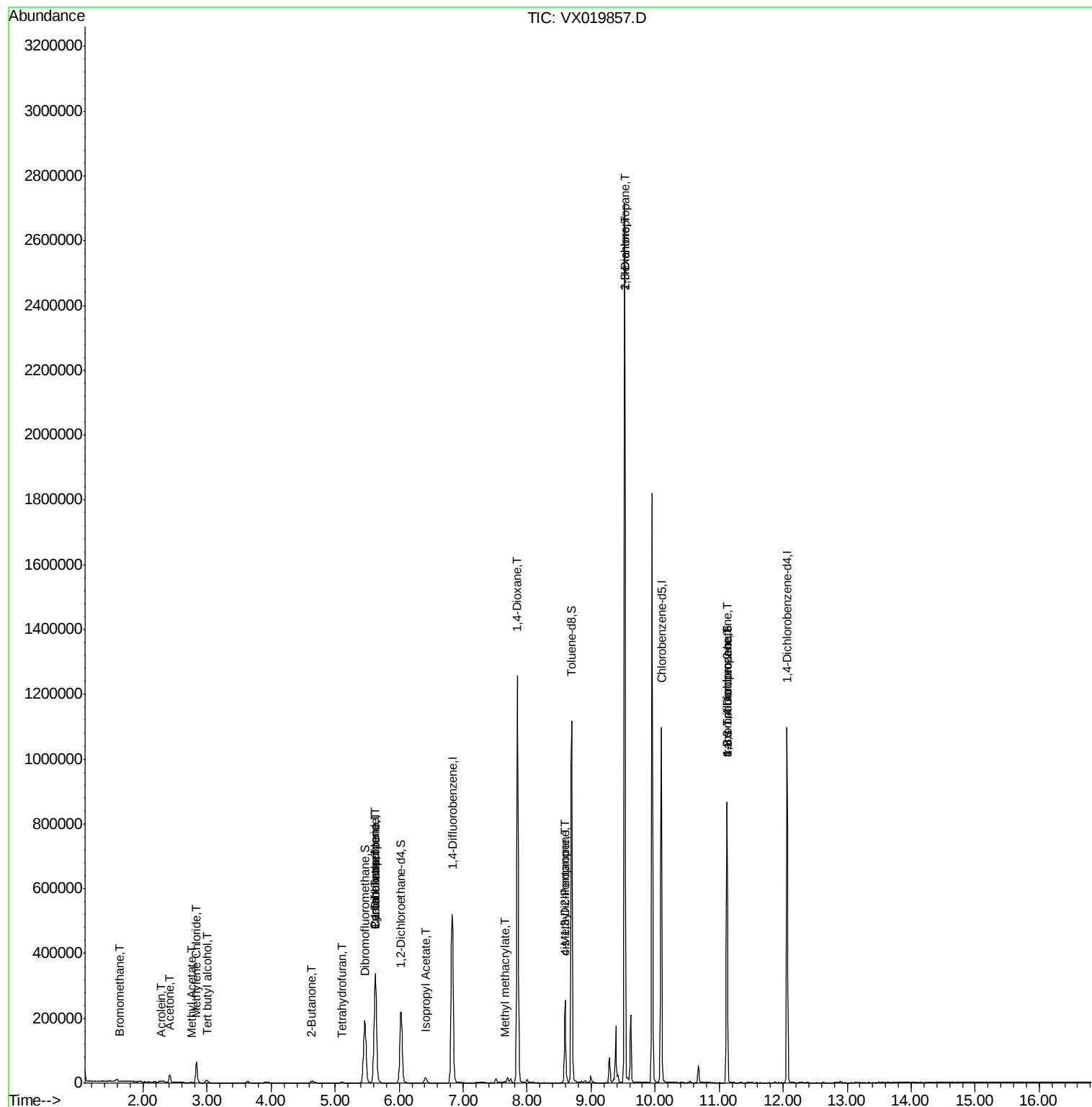
					Qvalue	
5) Bromomethane	1.63	94	439	0.354	ug/l	100
11) Tert butyl alcohol	3.00	59	5691	3.833	ug/l #	78
13) Acrolein	2.28	56	226	0.474	ug/l #	78
16) Acetone	2.42	43	25710	15.829	ug/l	97
18) Methyl Acetate	2.75	43	1457	0.367	ug/l #	81
20) Methylene Chloride	2.83	84	30303	6.948	ug/l	98
25) 2-Butanone	4.64	43	3484	1.396	ug/l	99
29) Tetrahydrofuran	5.10	42	1066	0.663	ug/l #	78
31) Cyclohexane	5.62	56	6232	1.159	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24491	5.021	ug/l #	48
38) Carbon Tetrachloride	5.63	117	31673	6.631	ug/l #	16
43) Isopropyl Acetate	6.41	43	21821	2.725	ug/l	98
48) Methyl methacrylate	7.65	41	6005	1.525	ug/l #	10
49) 1,4-Dioxane	7.85	88	191	2.002	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	80812	16.532	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	41998	6.981	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	23634	3.686	ug/l #	43
59) 2-Hexanone	9.52	43	286745	75.679	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	112334	23.086	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	112334	66.738	ug/l #	12

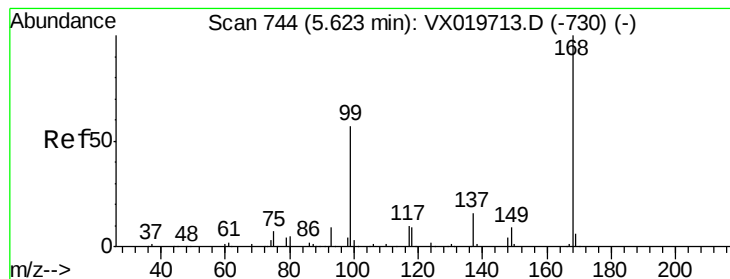
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
Data File : VX019857.D
Acq On : 11 Dec 2020 04:40
Operator : JC/MD
Sample : L4983-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR2-C-TOP

Quant Time: Dec 11 05:39:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

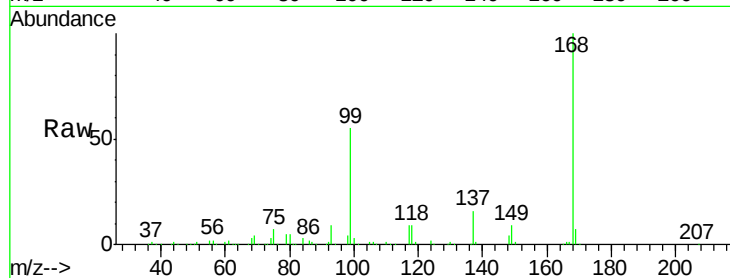
TR2-C-TOP

Tgt Ion:168 Resp: 328779

Ion Ratio Lower Upper

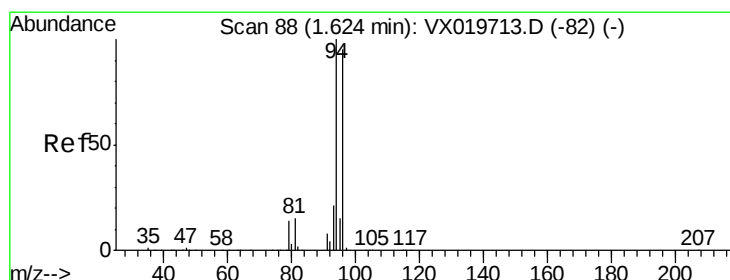
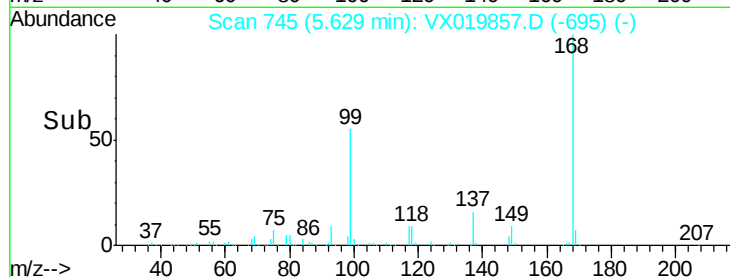
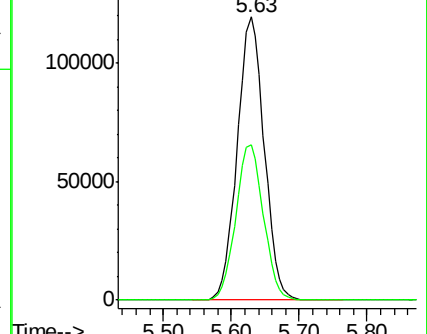
168 100

99 55.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019857.D

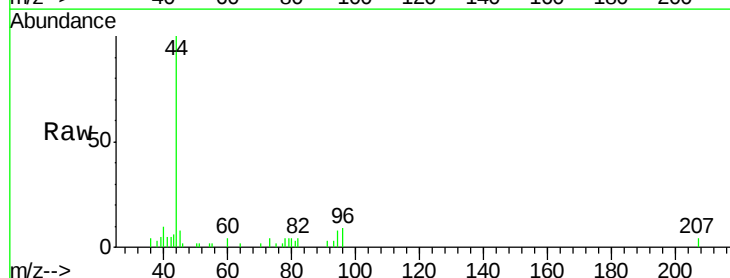
Acq: 11 Dec 2020 04:40

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

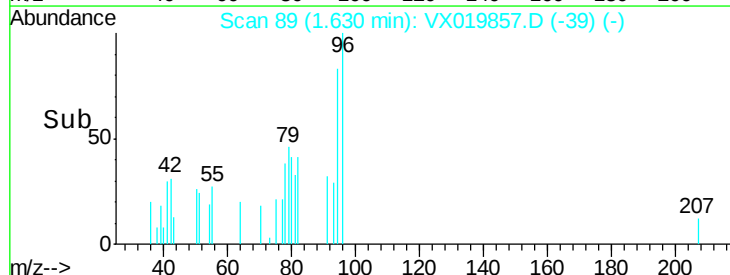
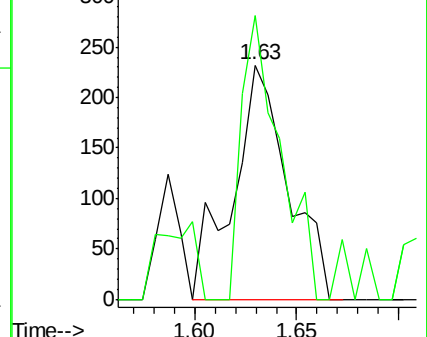
94 100

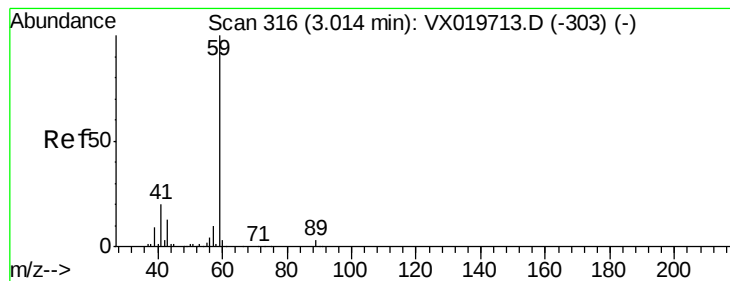
96 95.7 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



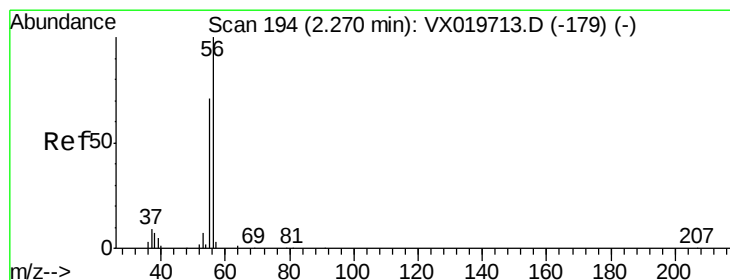
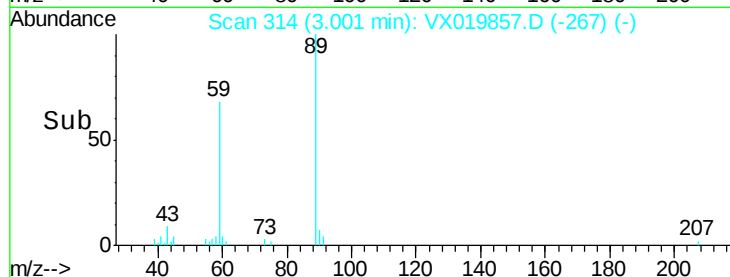
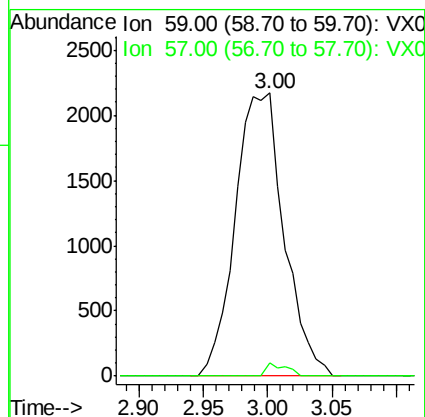
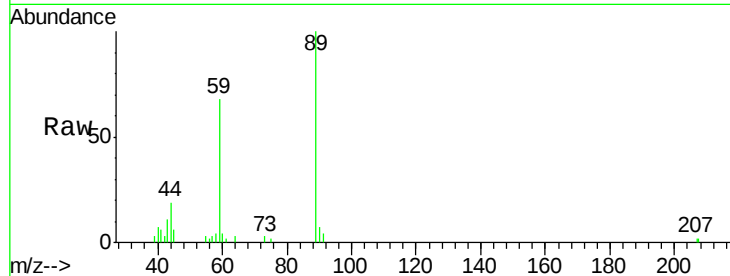


#11

Tert butyl alcohol
 Concen: 3.833 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX019857.D
 Acq: 11 Dec 2020 04:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-C-TOP

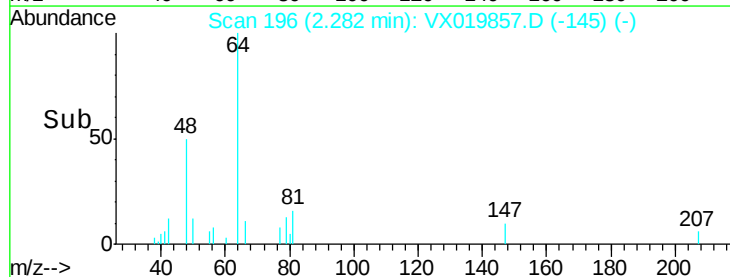
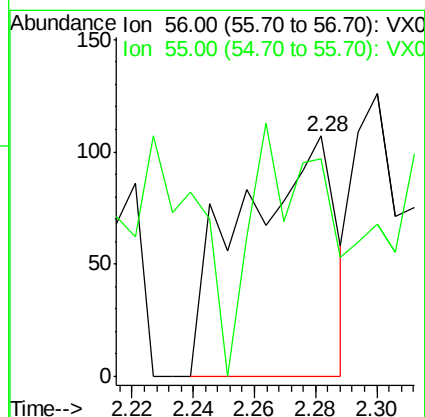
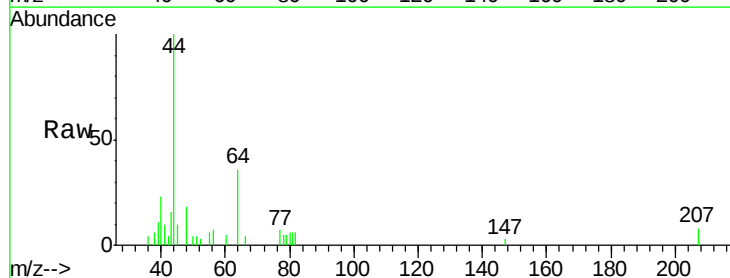
Tgt Ion: 59 Resp: 5691
 Ion Ratio Lower Upper
 59 100
 57 1.9 7.8 11.8#

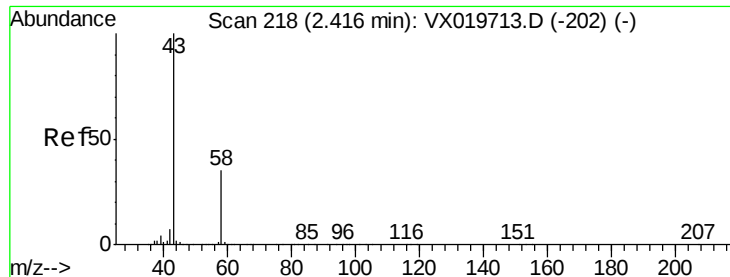


#13

Acrolein
 Concen: 0.474 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019857.D
 Acq: 11 Dec 2020 04:40

Tgt Ion: 56 Resp: 226
 Ion Ratio Lower Upper
 56 100
 55 88.9 56.4 84.6#





#16

Acetone

Concen: 15.829 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

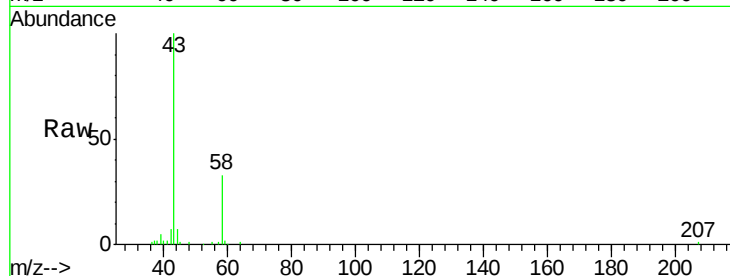
TR2-C-TOP

Tgt Ion: 43 Resp: 25710

Ion Ratio Lower Upper

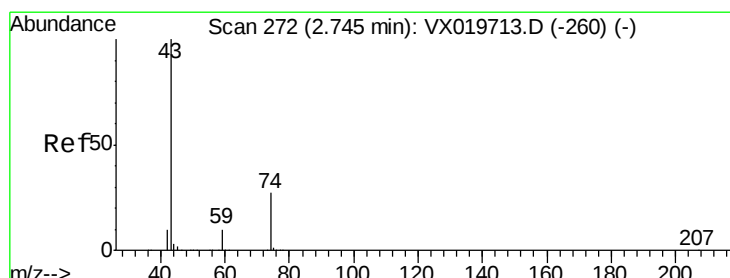
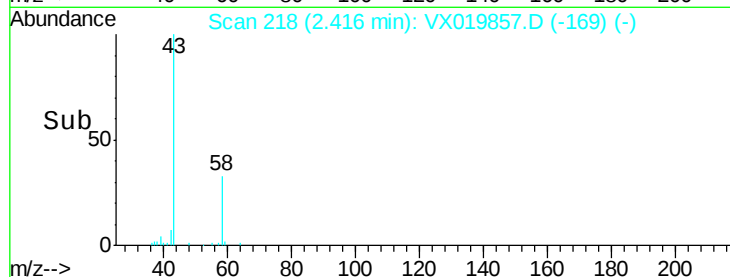
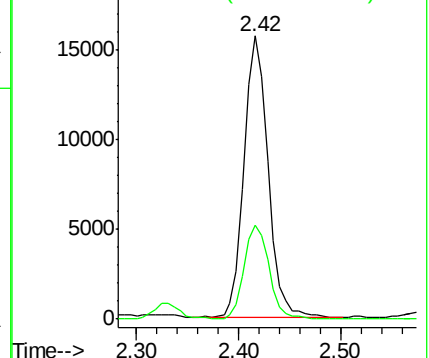
43 100

58 33.1 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.367 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019857.D

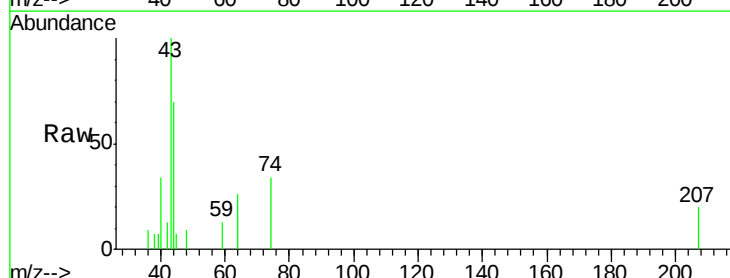
Acq: 11 Dec 2020 04:40

Tgt Ion: 43 Resp: 1457

Ion Ratio Lower Upper

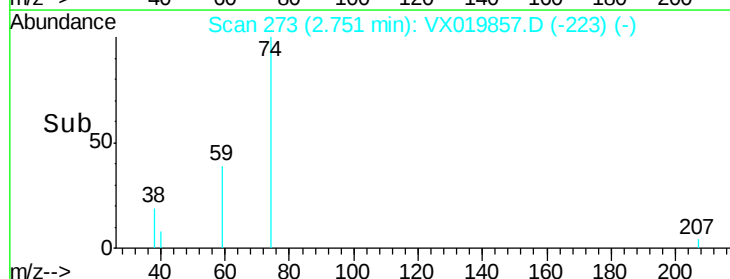
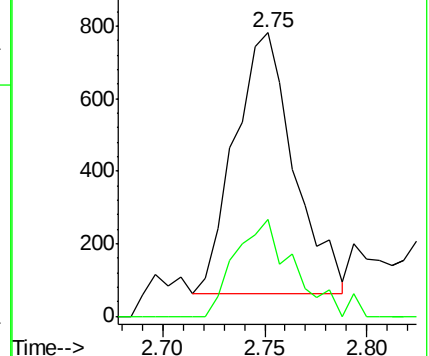
43 100

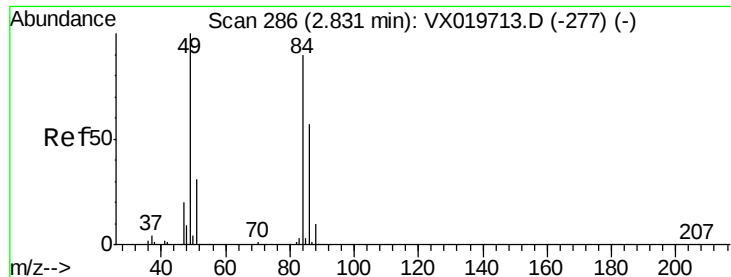
74 37.1 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

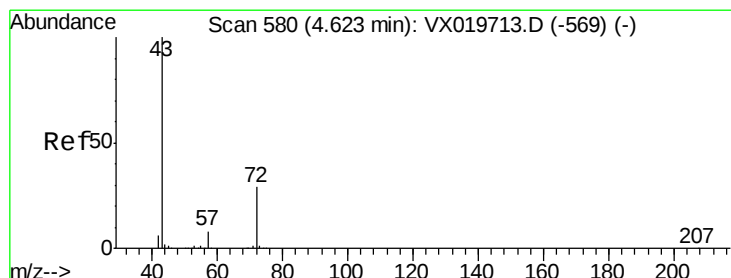
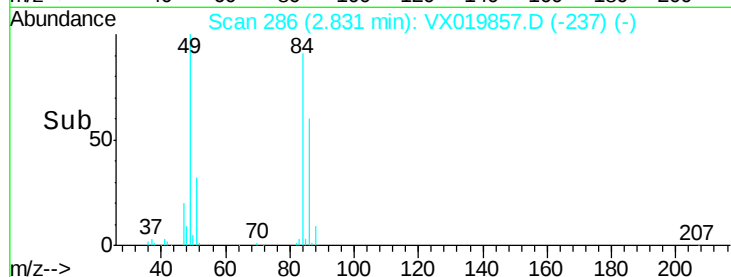
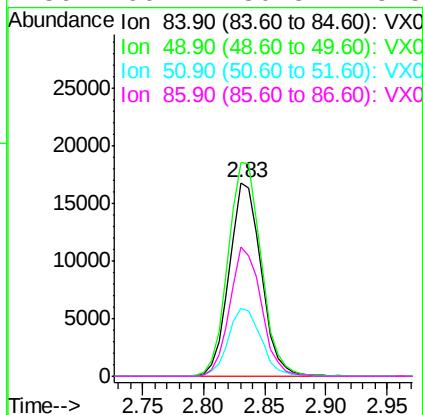
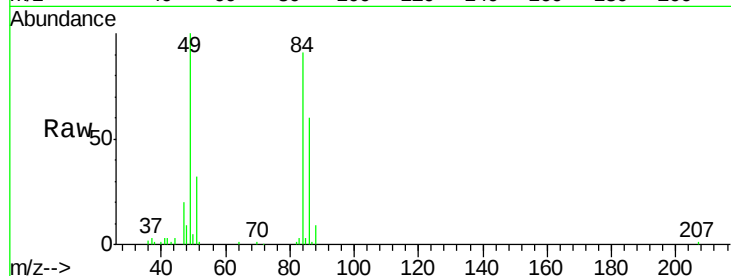




#20
Methylene Chloride
Concen: 6.948 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

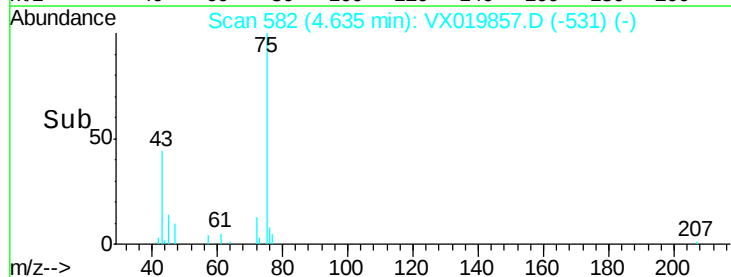
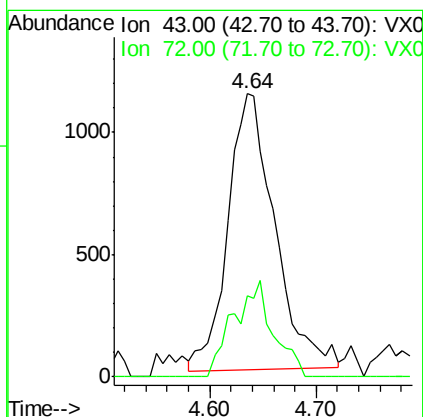
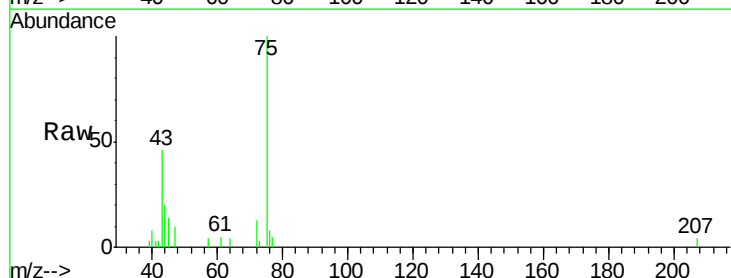
Instrument :
MSVOA_X
ClientSampled :
TR2-C-TOP

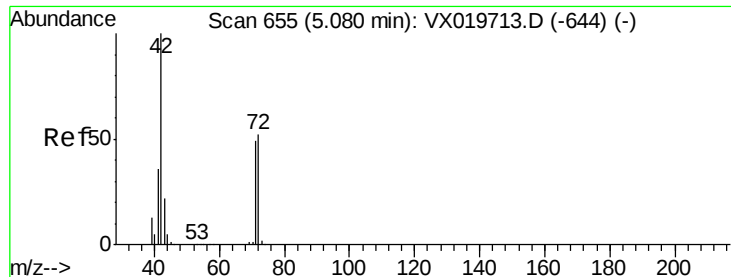
Tgt Ion: 84 Resp: 30303
Ion Ratio Lower Upper
84 100
49 110.3 88.6 132.8
51 34.8 27.0 40.6
86 66.7 50.3 75.5



#25
2-Butanone
Concen: 1.396 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

Tgt Ion: 43 Resp: 3484
Ion Ratio Lower Upper
43 100
72 30.1 23.7 35.5

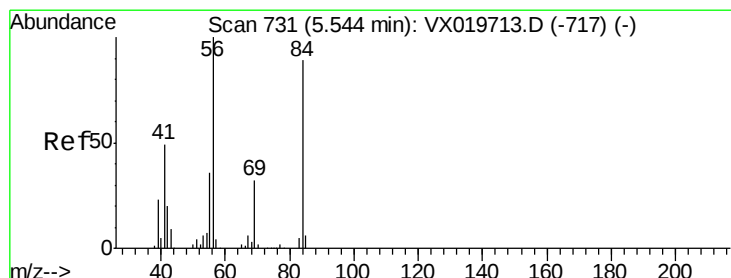
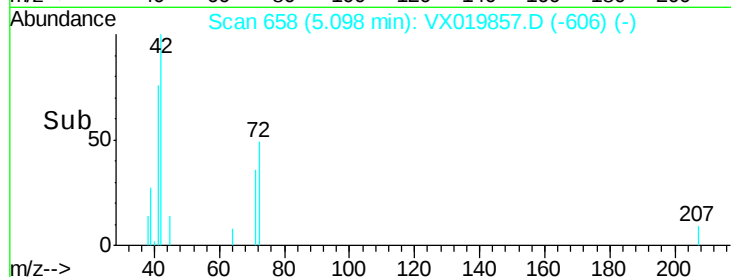
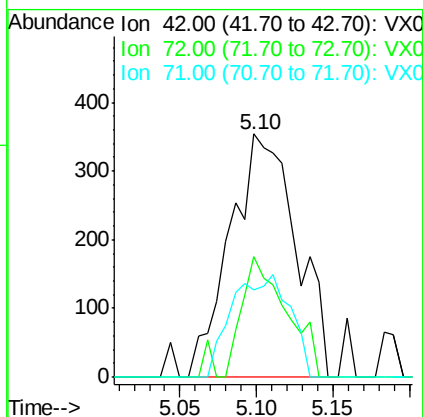
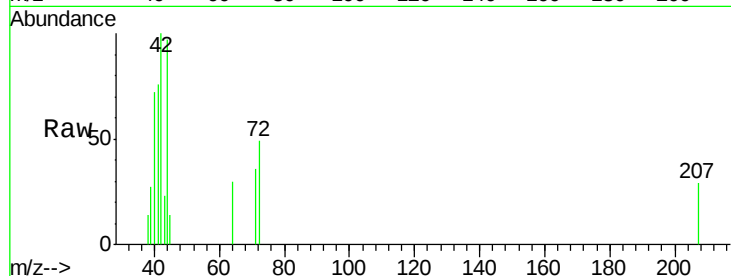




#29
Tetrahydrofuran
Concen: 0.663 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

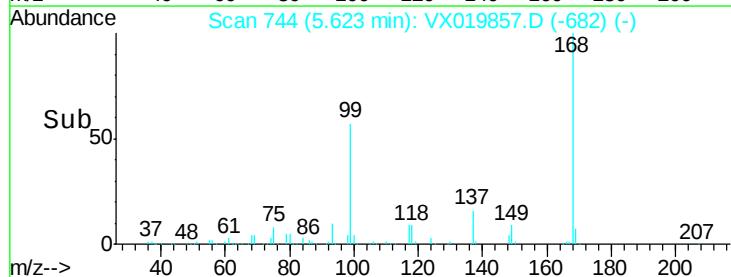
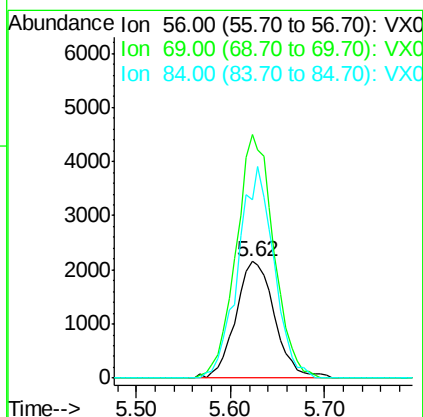
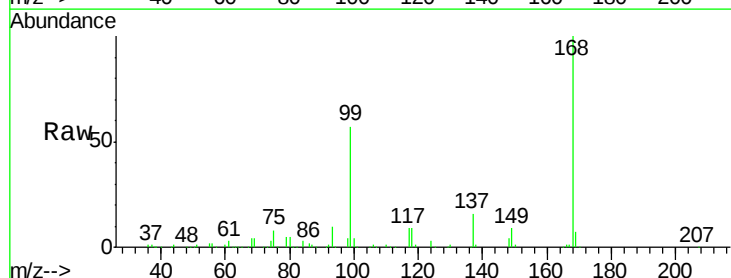
Instrument :
MSVOA_X
ClientSampleId :
TR2-C-TOP

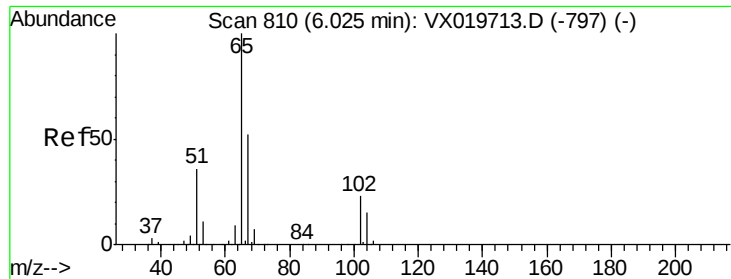
Tgt Ion: 42 Resp: 1066
Ion Ratio Lower Upper
42 100
72 33.4 41.7 62.5#
71 37.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

Tgt Ion: 56 Resp: 6232
Ion Ratio Lower Upper
56 100
69 208.5 25.3 37.9#
84 153.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.240 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

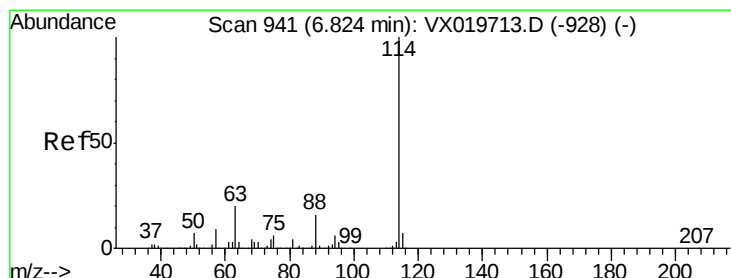
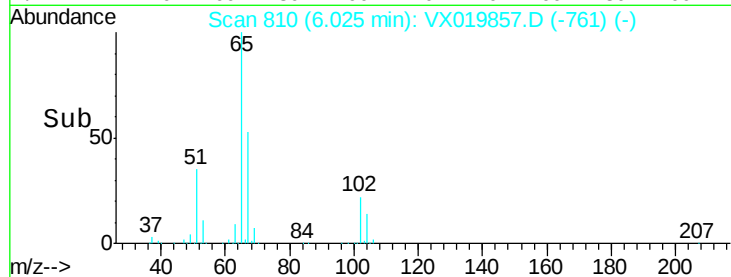
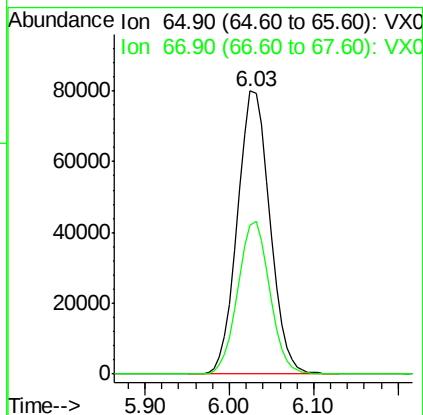
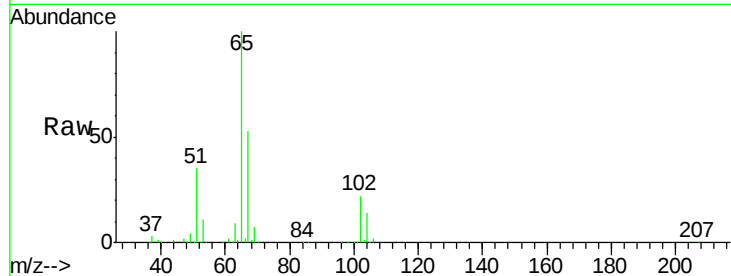
TR2-C-TOP

Tgt Ion: 65 Resp: 208449

Ion Ratio Lower Upper

65 100

67 53.0 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: VX019857.D

Acq: 11 Dec 2020 04:40

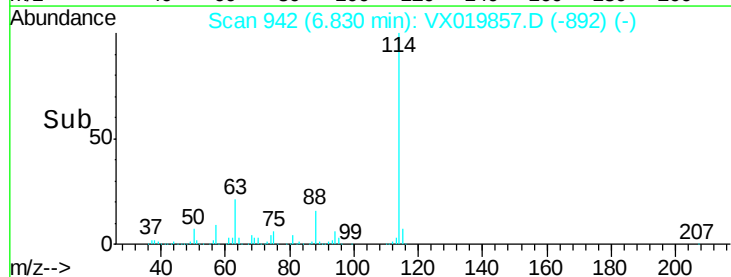
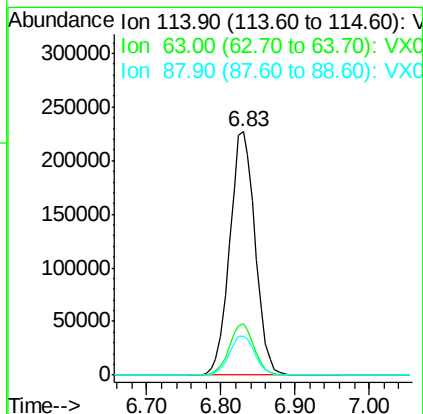
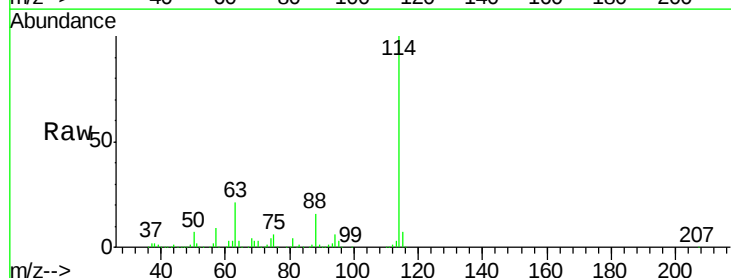
Tgt Ion: 114 Resp: 539755

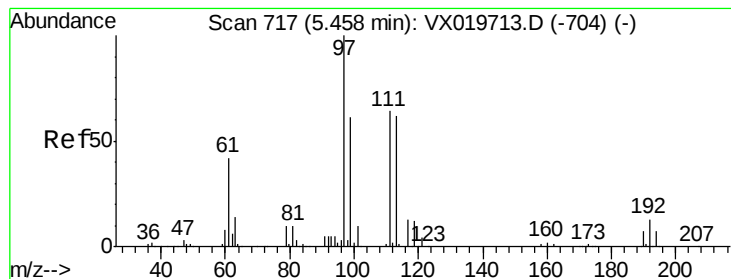
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.718 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

TR2-C-TOP

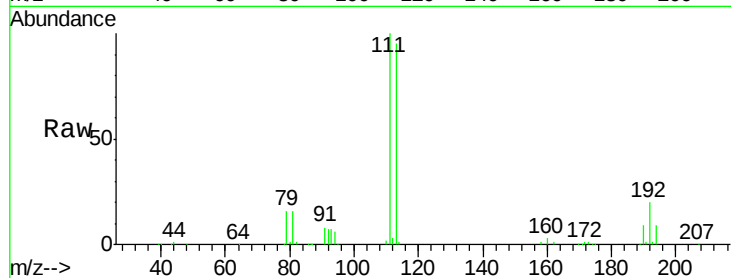
Tgt Ion:113 Resp: 166458

Ion Ratio Lower Upper

113 100

111 104.3 81.9 122.9

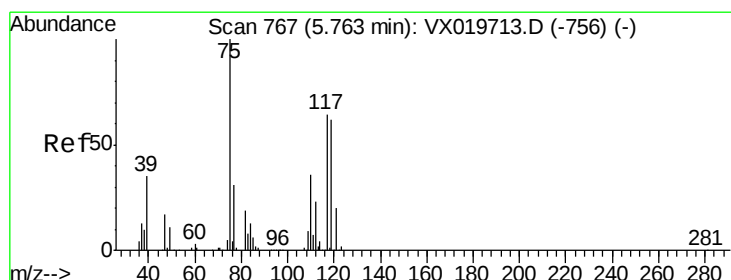
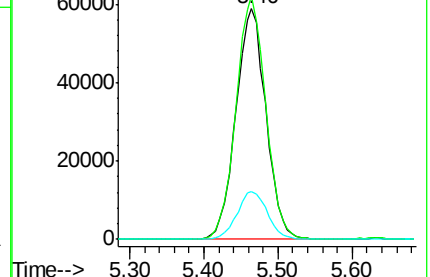
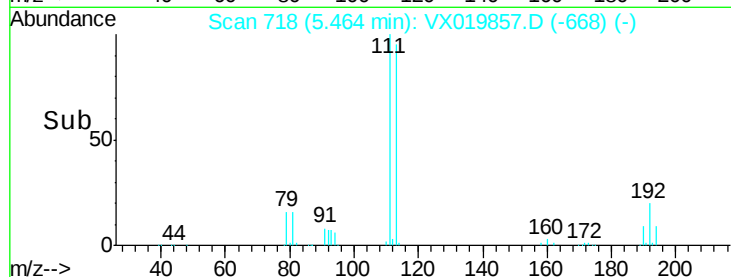
192 20.9 16.7 25.1



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: 5.021 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

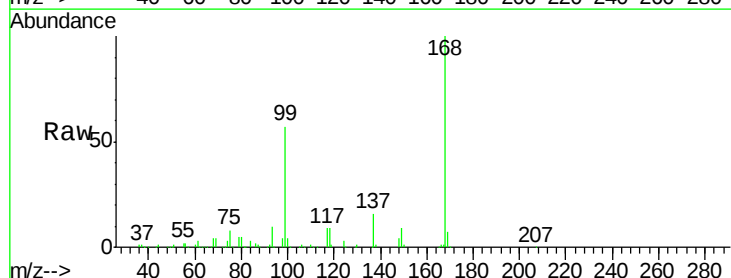
Tgt Ion: 75 Resp: 24491

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

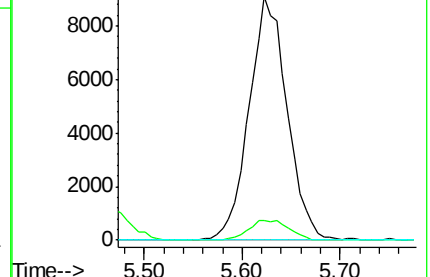
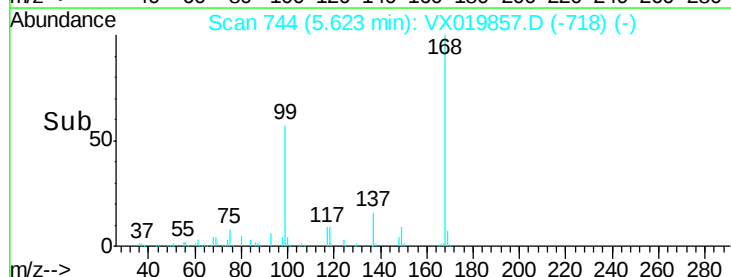
77 0.0 25.3 37.9#

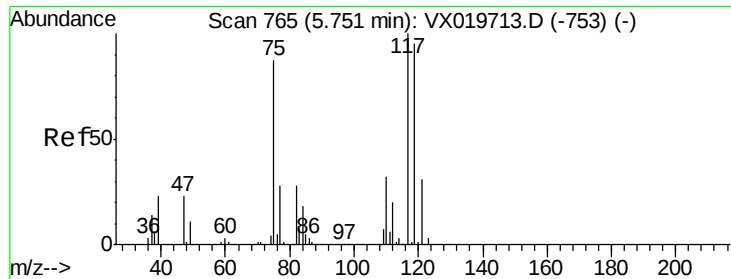


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.631 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

TR2-C-TOP

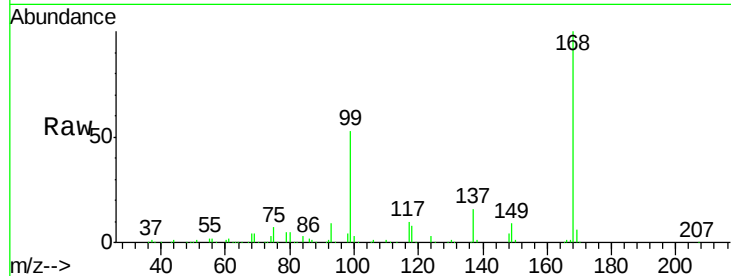
Tgt Ion: 117 Resp: 31673

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

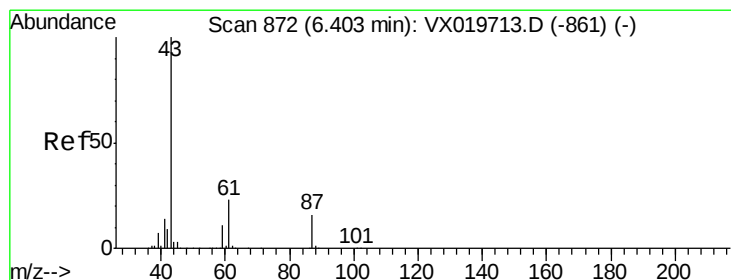
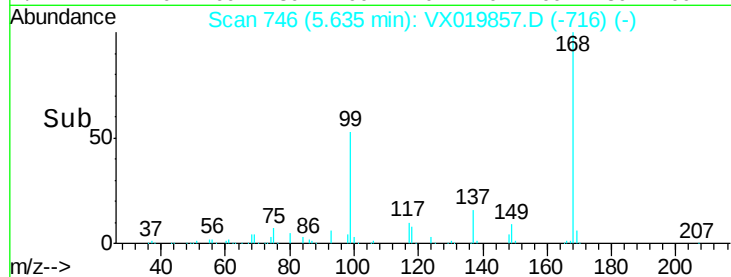
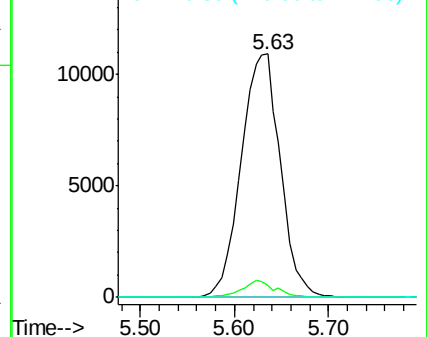
121 0.0 24.8 37.2#



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: 2.725 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

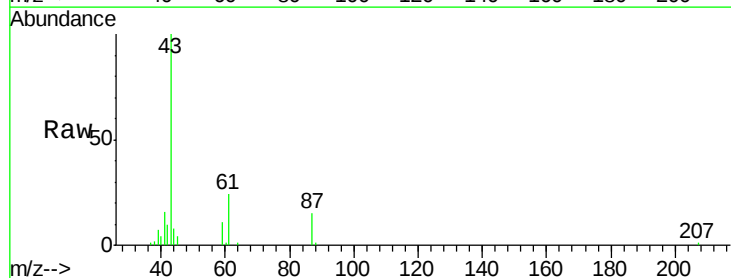
Tgt Ion: 43 Resp: 21821

Ion Ratio Lower Upper

43 100

61 21.7 18.2 27.4

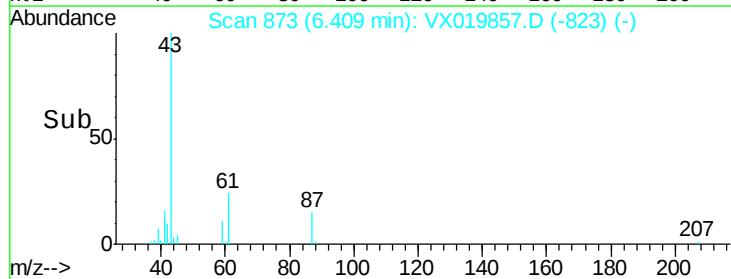
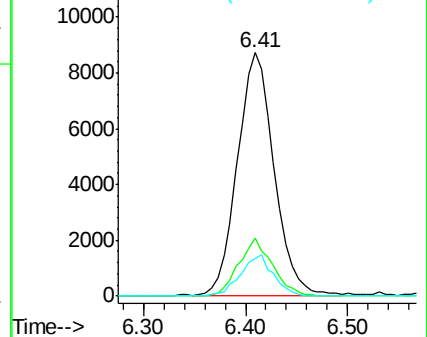
87 15.0 12.5 18.7

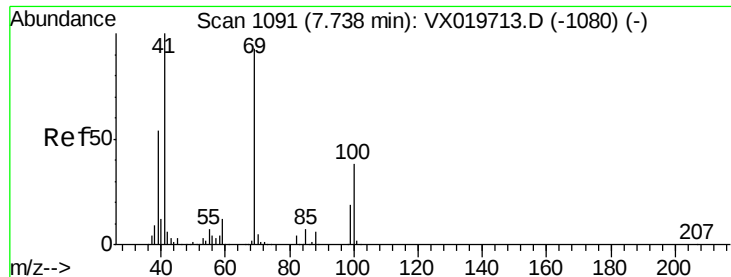


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

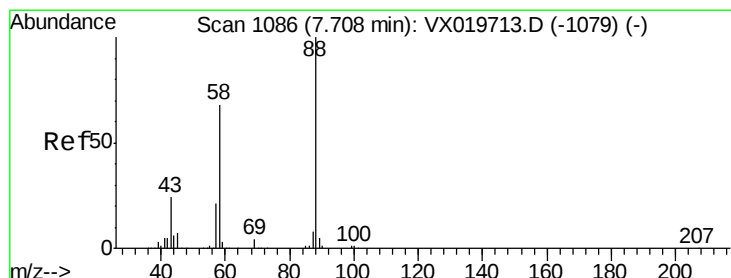
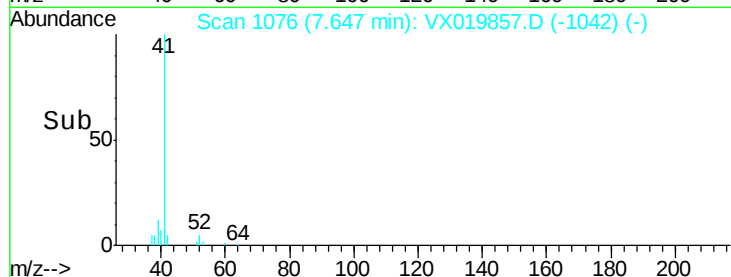
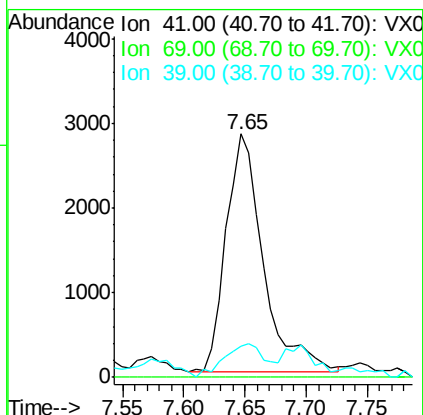
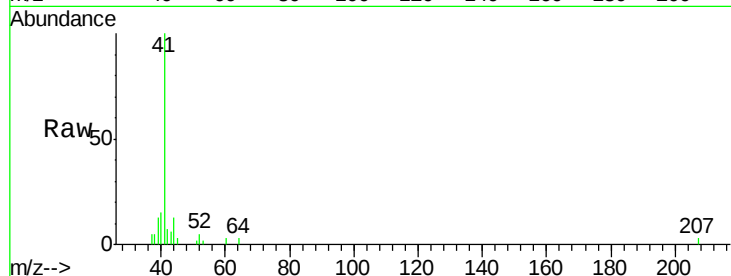




#48
Methyl methacrylate
Concen: 1.525 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

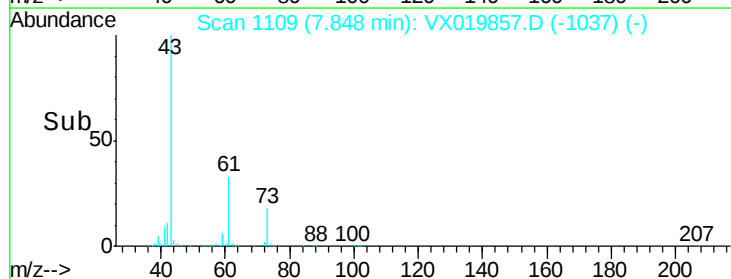
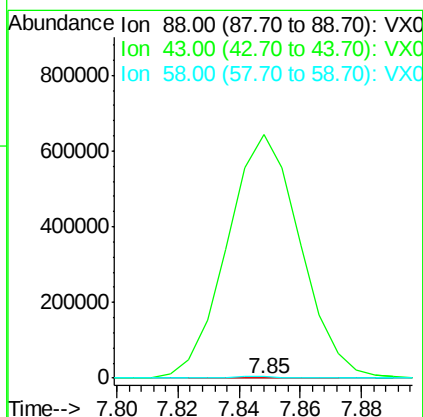
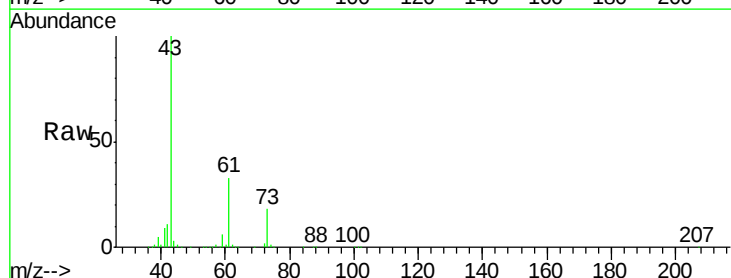
Instrument :
MSVOA_X
ClientSampleId :
TR2-C-TOP

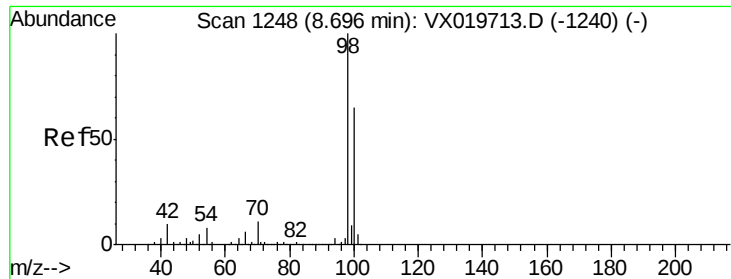
Tgt Ion: 41 Resp: 6005
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.002 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 563210.5 23.2 34.8#
58 3021.5 55.0 82.4#

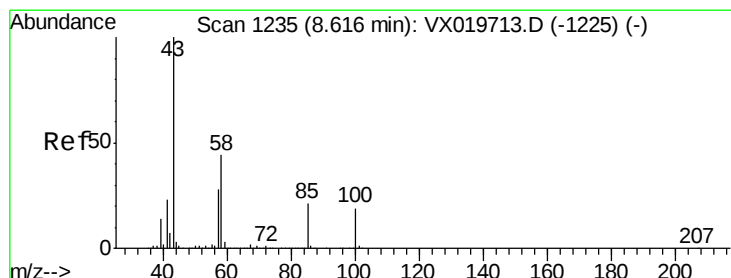
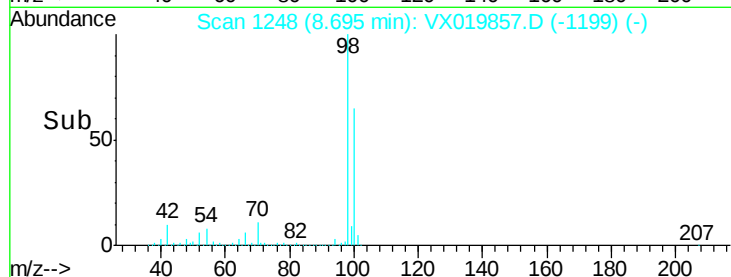
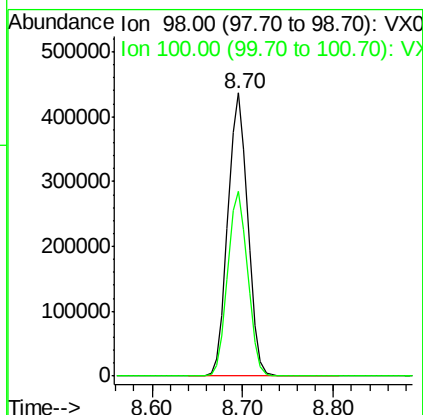
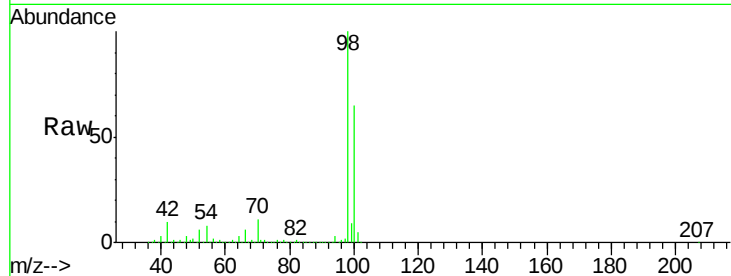




#50
Toluene-d8
Concen: 50.119 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

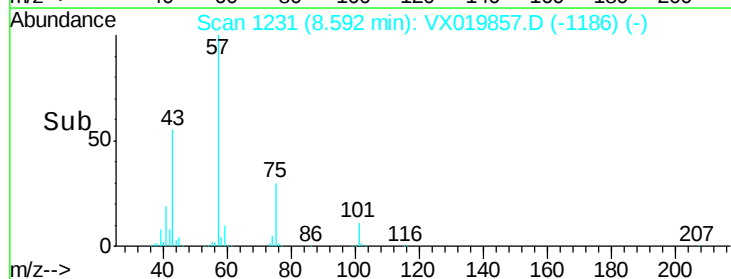
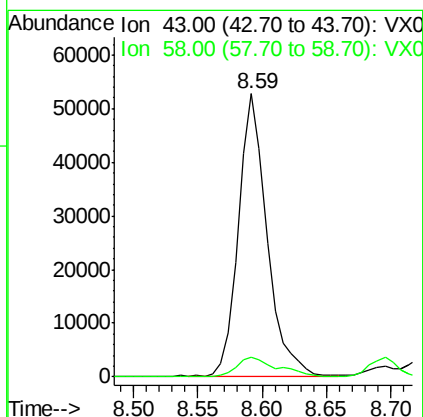
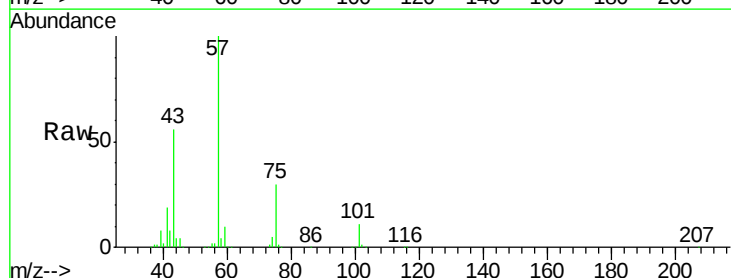
Instrument :
MSVOA_X
ClientSampleId :
TR2-C-TOP

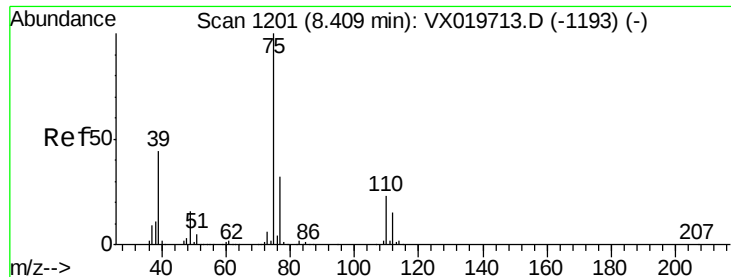
Tgt Ion: 98 Resp: 667470
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 16.532 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

Tgt Ion: 43 Resp: 80812
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#

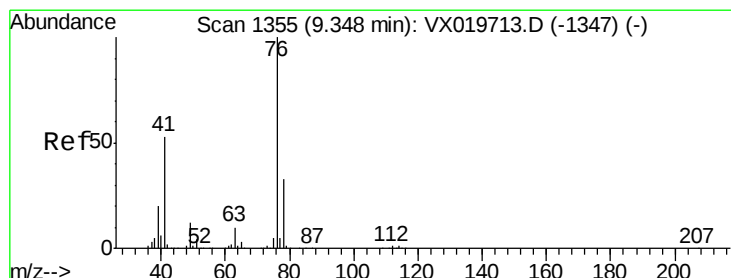
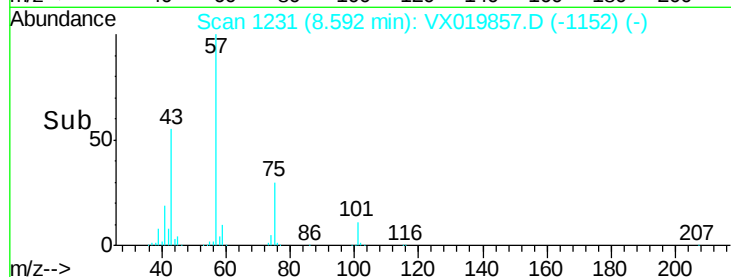
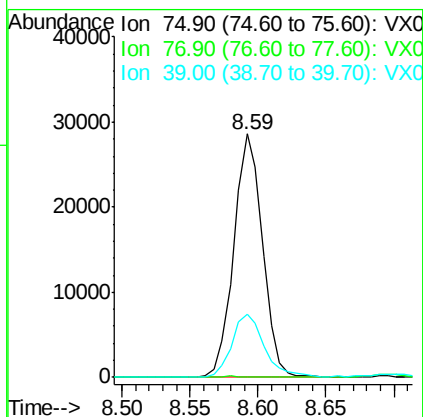
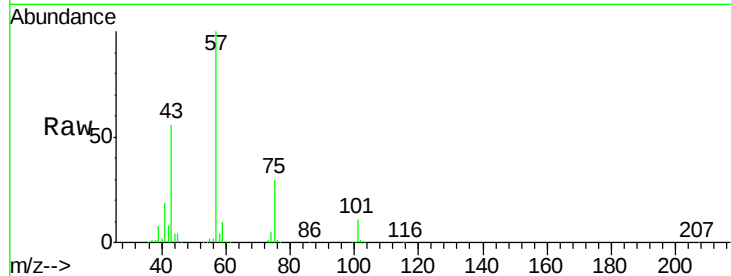




#54
 cis-1,3-Dichloropropene
 Concen: 6.981 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019857.D
 Acq: 11 Dec 2020 04:40

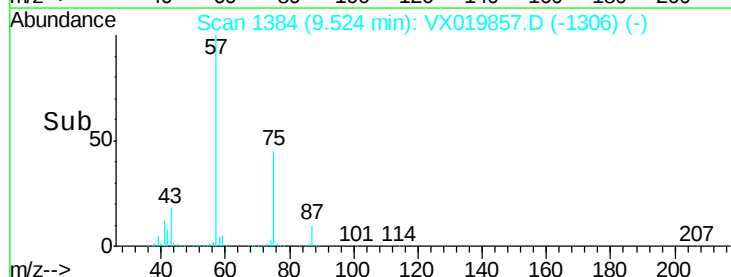
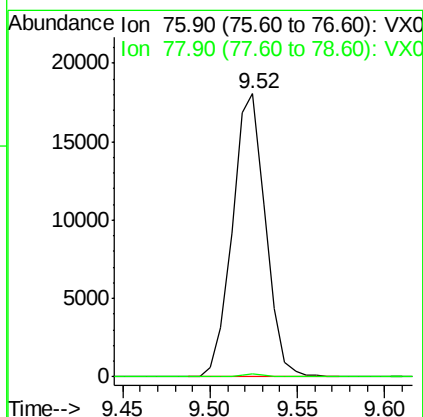
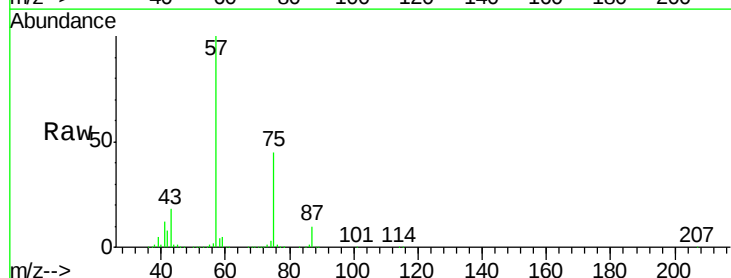
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-C-TOP

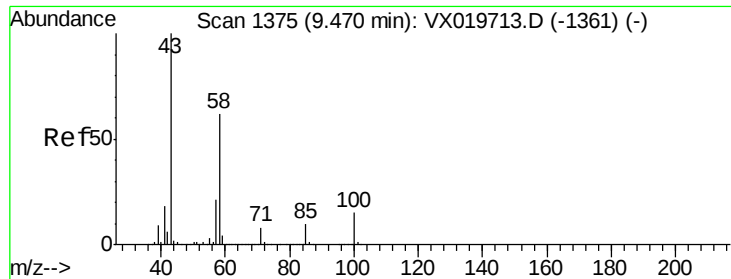
Tgt Ion: 75 Resp: 41998
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.7 38.5#
 39 25.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 3.686 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019857.D
 Acq: 11 Dec 2020 04:40

Tgt Ion: 76 Resp: 23634
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

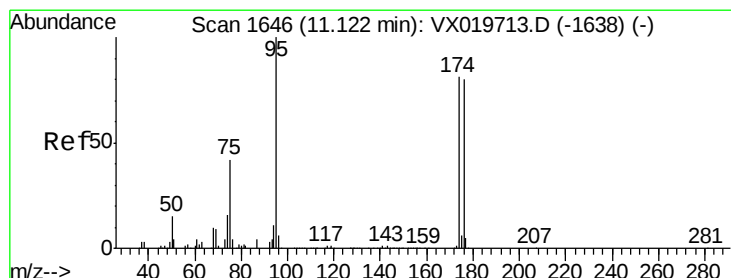
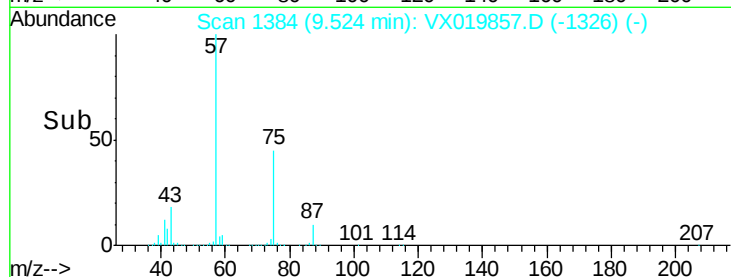
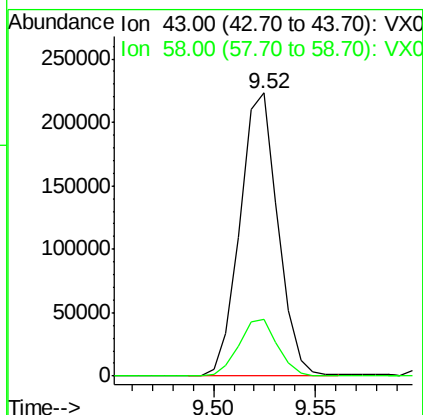
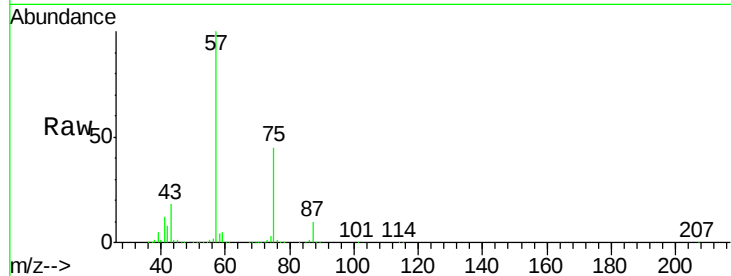




#59
2-Hexanone
Concen: 75.679 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

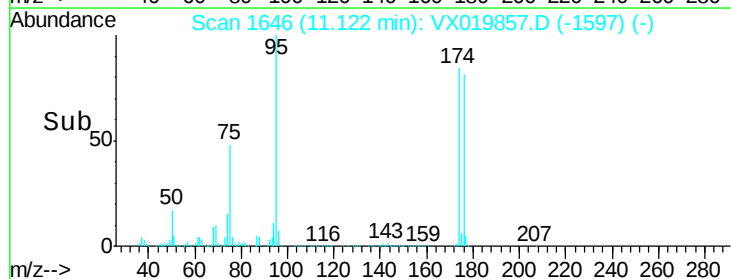
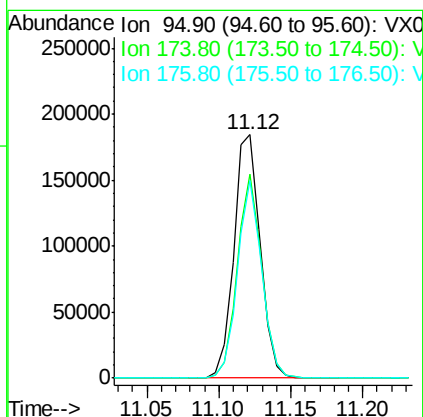
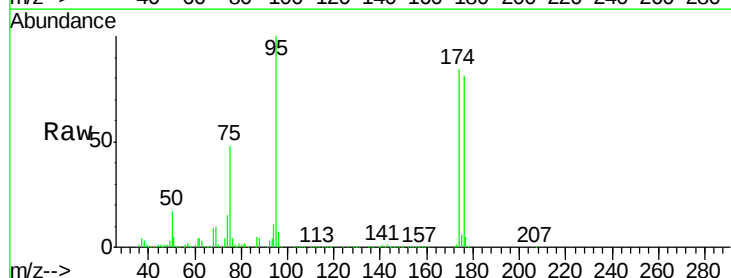
Instrument :
MSVOA_X
ClientSampleId :
TR2-C-TOP

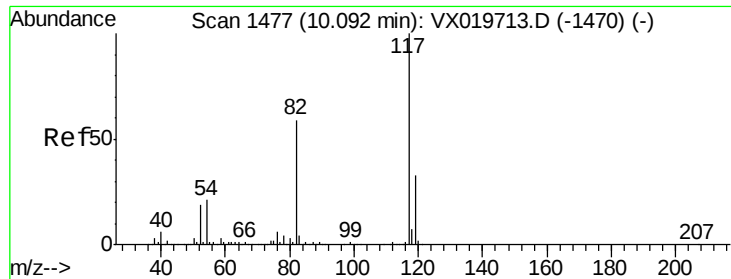
Tgt Ion: 43 Resp: 286745
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.562 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

Tgt Ion: 95 Resp: 236017
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 74.4 0.0 155.8

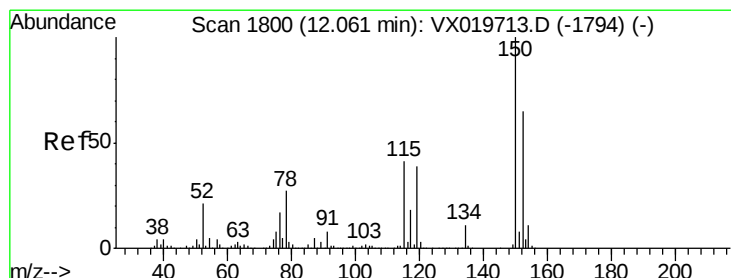
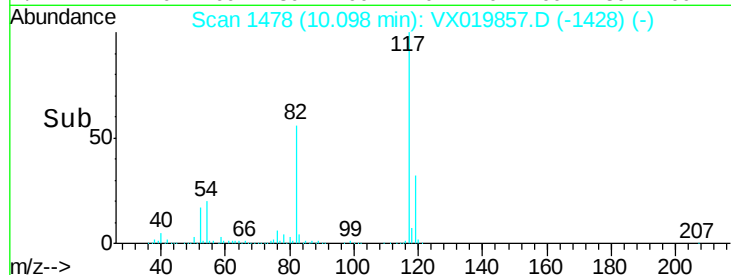
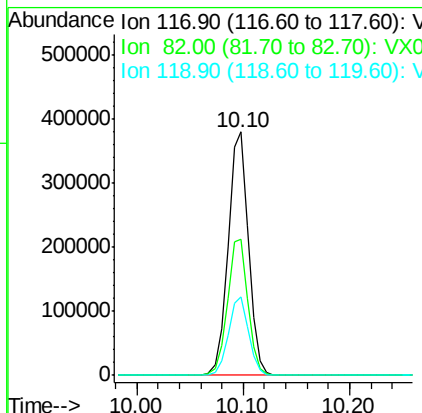
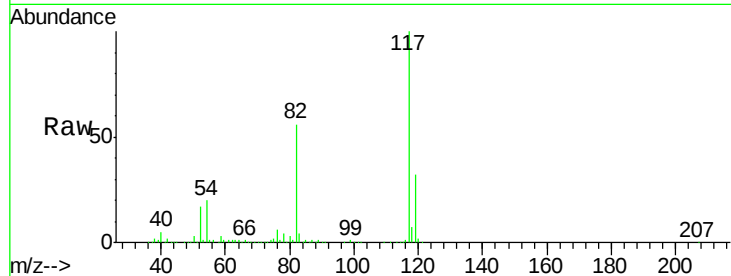




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

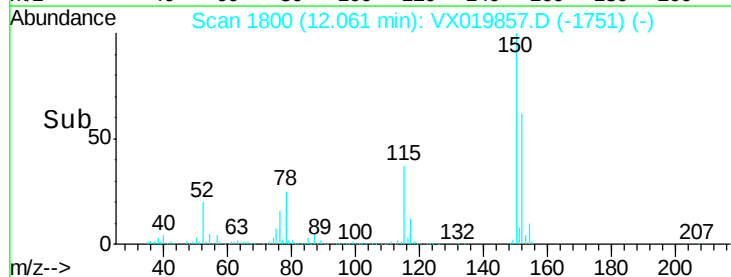
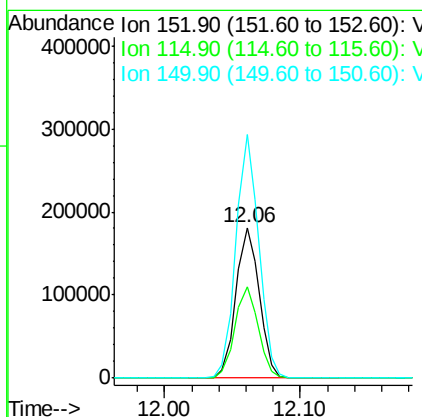
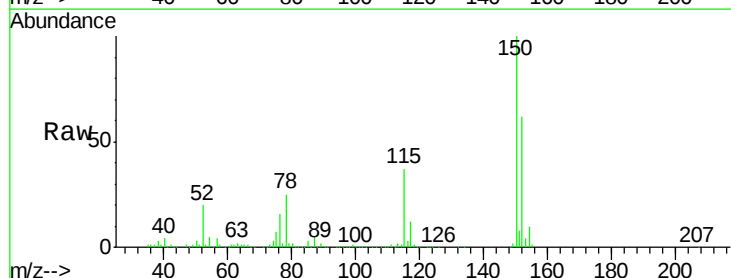
Instrument :
MSVOA_X
ClientSampleId :
TR2-C-TOP

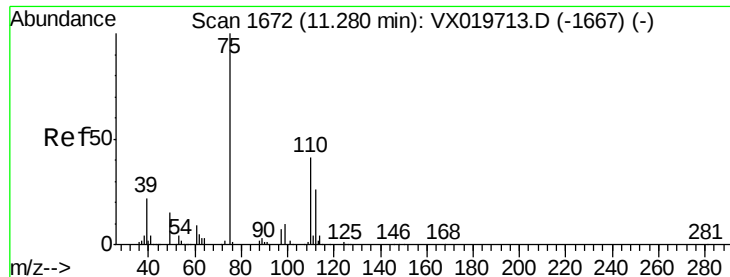
Tgt Ion:117 Resp: 506670
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019857.D
Acq: 11 Dec 2020 04:40

Tgt Ion:152 Resp: 216952
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 158.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.086 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

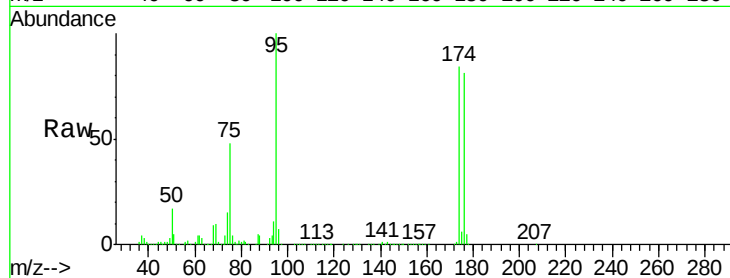
TR2-C-TOP

Tgt Ion: 75 Resp: 112334

Ion Ratio Lower Upper

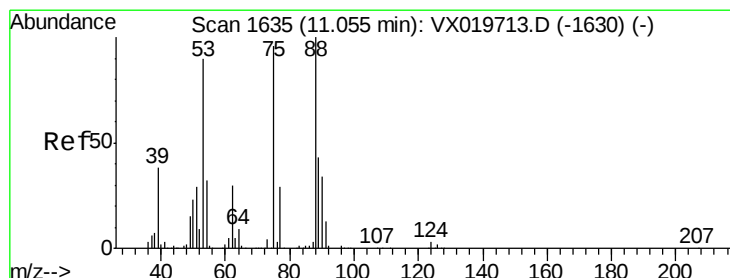
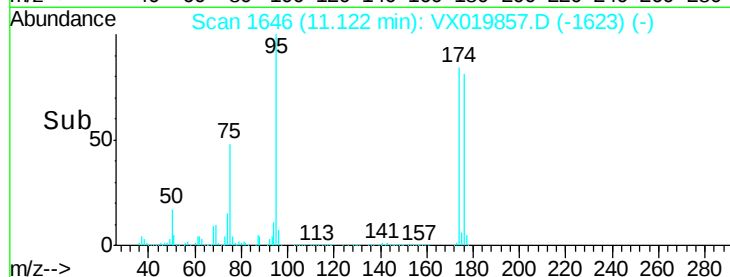
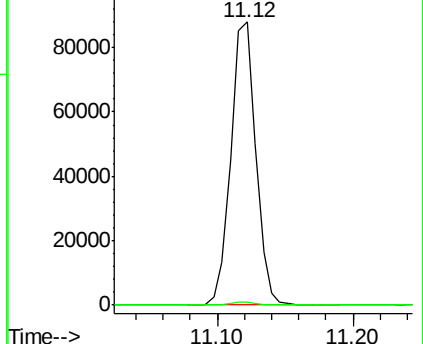
75 100

77 1.2 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: 66.738 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019857.D

Acq: 11 Dec 2020 04:40

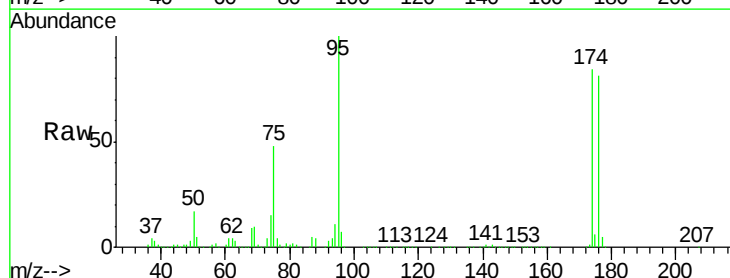
Tgt Ion: 75 Resp: 112334

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

