

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019852.D
 Acq On : 11 Dec 2020 02:44
 Operator : JC/MD
 Sample : L4983-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-BOTTOM

Quant Time: Dec 11 05:38:27 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	324632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	546671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	508463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	221062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	209407	49.08	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.16%		
35) Dibromofluoromethane	5.46	113	167987	47.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.10%		
50) Toluene-d8	8.70	98	670238	49.69	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.38%		
62) 4-Bromofluorobenzene	11.12	95	232161	45.22	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.44%		

Target Compounds

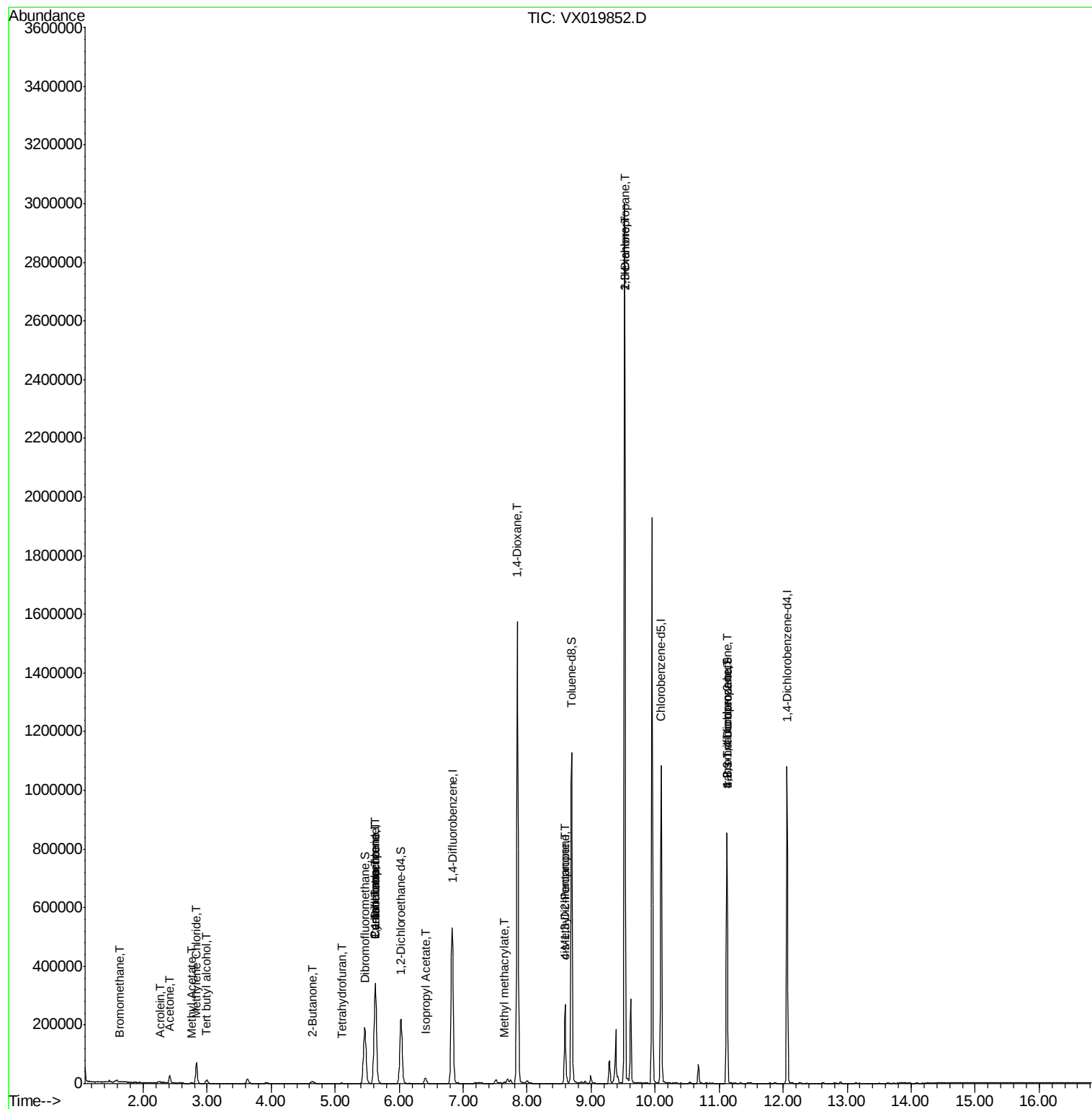
					Qvalue
5) Bromomethane	1.63	94	595	0.486	ug/l 84
11) Tert butyl alcohol	3.00	59	6977	5.397	ug/l # 77
13) Acrolein	2.27	56	218	0.463	ug/l # 47
16) Acetone	2.42	43	25502	15.902	ug/l 100
18) Methyl Acetate	2.75	43	2013	0.513	ug/l 95
20) Methylene Chloride	2.83	84	33351	7.912	ug/l 98
25) 2-Butanone	4.64	43	3839	1.558	ug/l 91
29) Tetrahydrofuran	5.10	42	1192	0.751	ug/l # 82
31) Cyclohexane	5.63	56	6107	1.151	ug/l # 1
36) 1,1-Dichloropropene	5.63	75	24884	5.037	ug/l # 49
38) Carbon Tetrachloride	5.63	117	31921	6.599	ug/l # 16
43) Isopropyl Acetate	6.41	43	24090	2.971	ug/l 99
48) Methyl methacrylate	7.65	41	6323	1.585	ug/l # 10
49) 1,4-Dioxane	7.85	88	226	2.339	ug/l # 1
51) 4-Methyl-2-Pentanone	8.59	43	84663	17.101	ug/l # 47
54) cis-1,3-Dichloropropene	8.59	75	44970	7.381	ug/l # 60
57) 1,3-Dichloropropane	9.52	76	26909	4.144	ug/l # 43
59) 2-Hexanone	9.52	43	322830	84.125	ug/l # 47
76) 1,2,3-Trichloropropane	11.12	75	112719	22.735	ug/l # 39
81) trans-1,4-Dichloro-2-buten	11.12	75	112719	65.722	ug/l # 12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
Data File : VX019852.D
Acq On : 11 Dec 2020 02:44
Operator : JC/MD
Sample : L4983-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TR1-D-BOTTOM

Quant Time: Dec 11 05:38:27 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: VX019852.D

Acq: 11 Dec 2020 02:44

Instrument :

MSVOA_X

ClientSampleId :

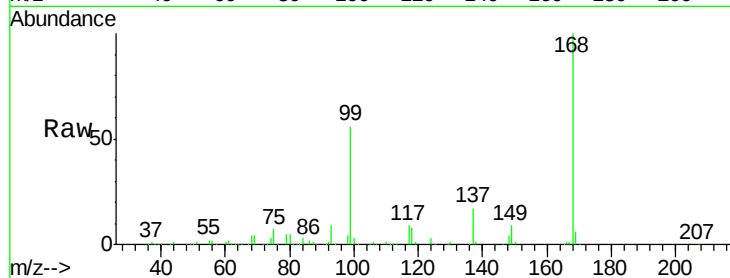
TR1-D-BOTTOM

Tgt Ion:168 Resp: 324632

Ion Ratio Lower Upper

168 100

99 55.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

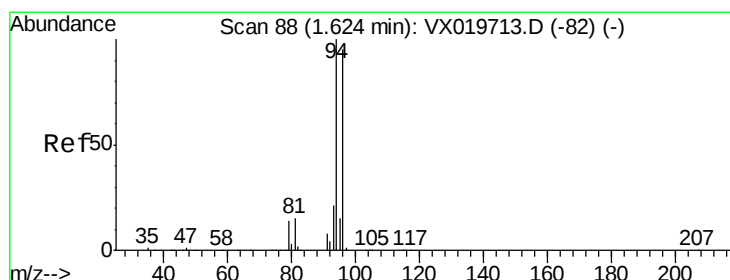
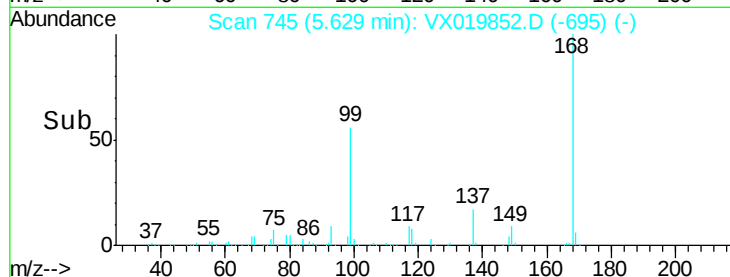
5.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.486 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019852.D

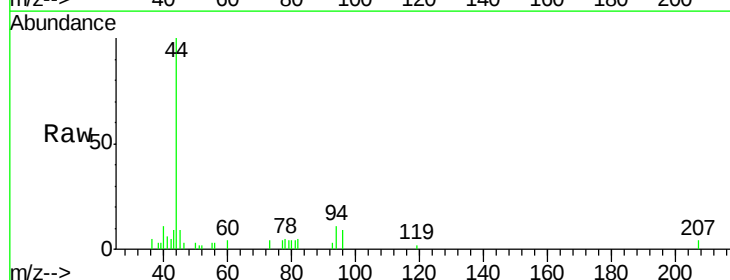
Acq: 11 Dec 2020 02:44

Tgt Ion: 94 Resp: 595

Ion Ratio Lower Upper

94 100

96 80.2 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

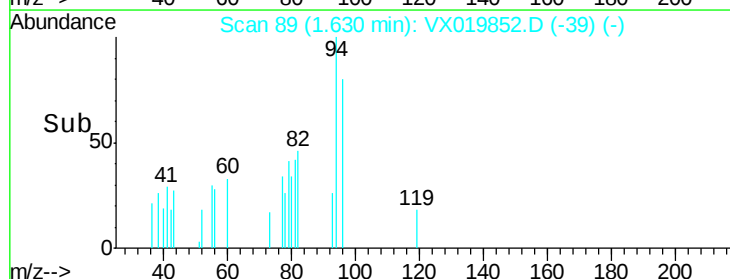
300

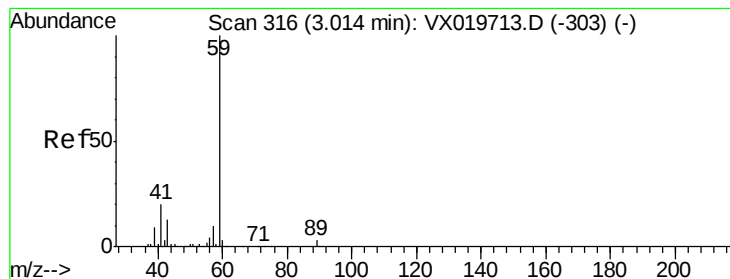
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 5.397 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019852.D

Acq: 11 Dec 2020 02:44

Instrument :

MSVOA_X

ClientSampleId :

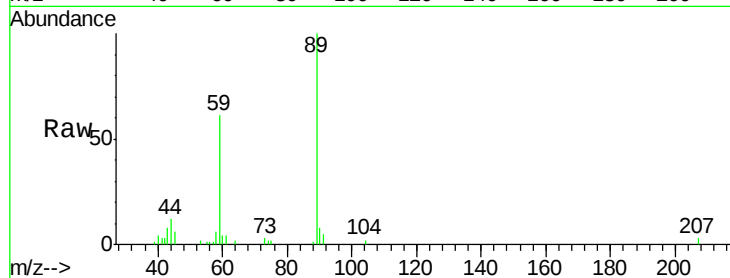
TR1-D-BOTTOM

Tgt Ion: 59 Resp: 6977

Ion Ratio Lower Upper

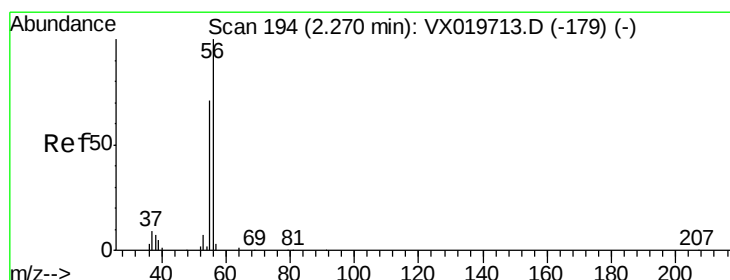
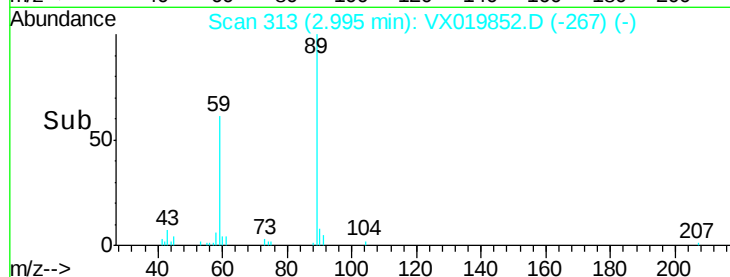
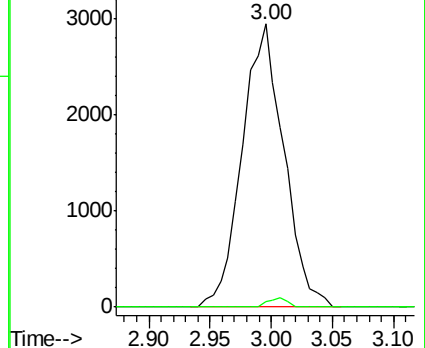
59 100

57 1.5 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.463 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019852.D

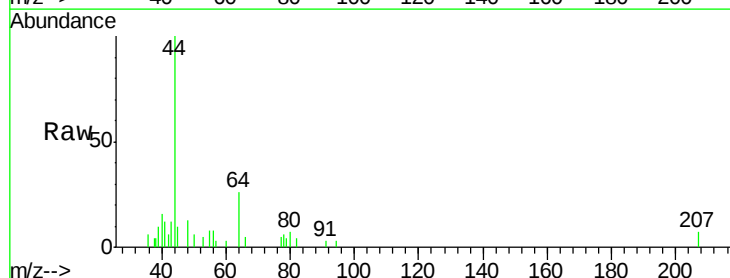
Acq: 11 Dec 2020 02:44

Tgt Ion: 56 Resp: 218

Ion Ratio Lower Upper

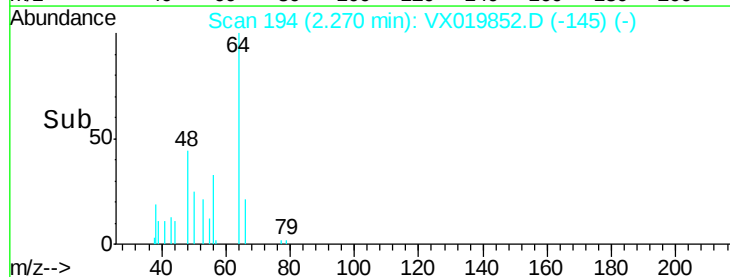
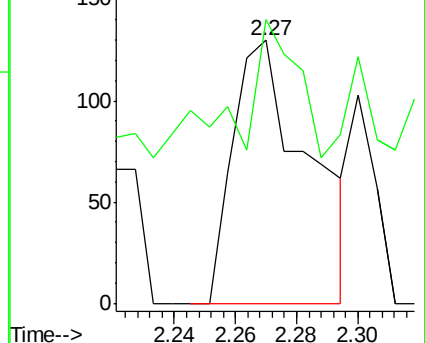
56 100

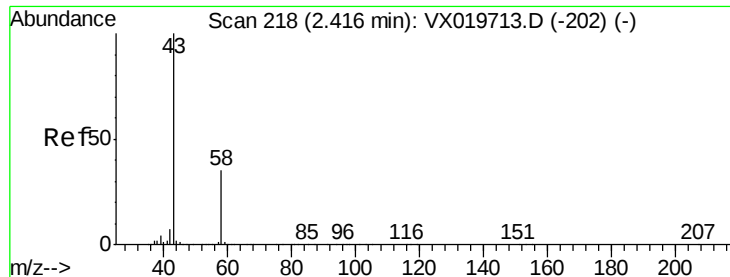
55 27.1 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 15.902 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019852.D

Acq: 11 Dec 2020 02:44

Instrument :

MSVOA_X

ClientSampleId :

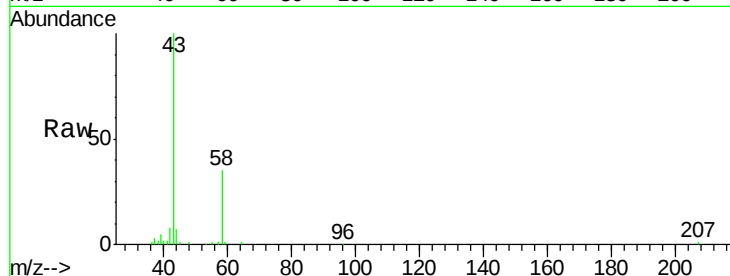
TR1-D-BOTTOM

Tgt Ion: 43 Resp: 25502

Ion Ratio Lower Upper

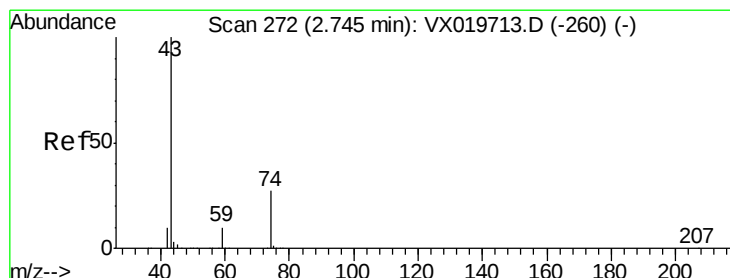
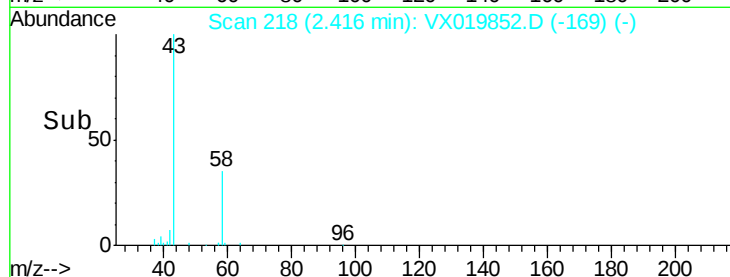
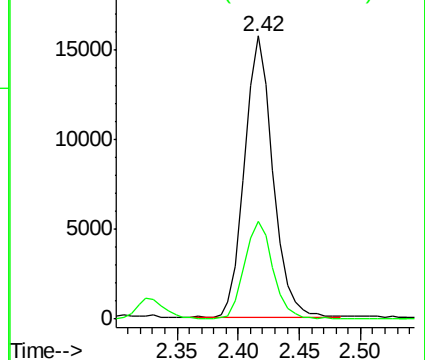
43 100

58 34.9 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: 0.513 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019852.D

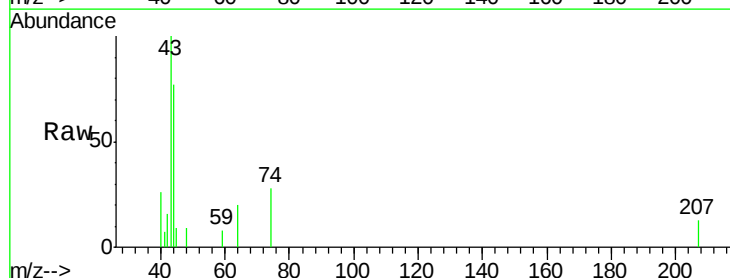
Acq: 11 Dec 2020 02:44

Tgt Ion: 43 Resp: 2013

Ion Ratio Lower Upper

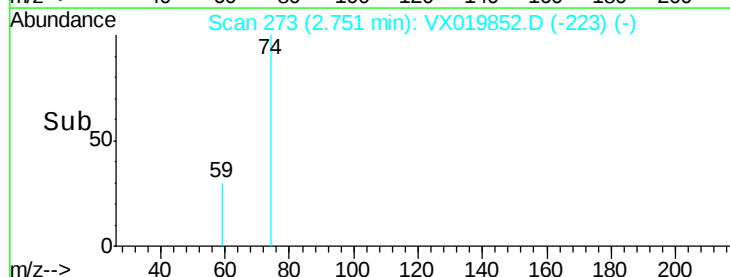
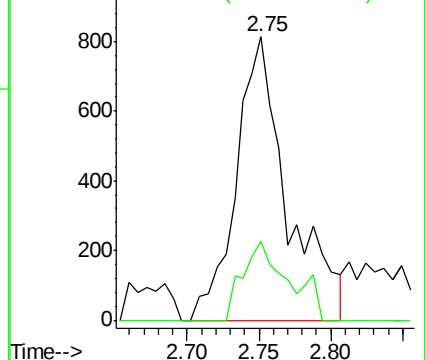
43 100

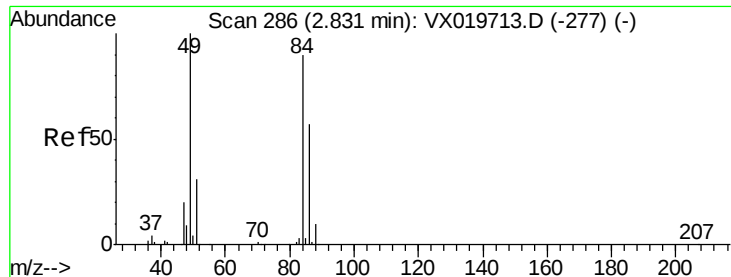
74 24.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

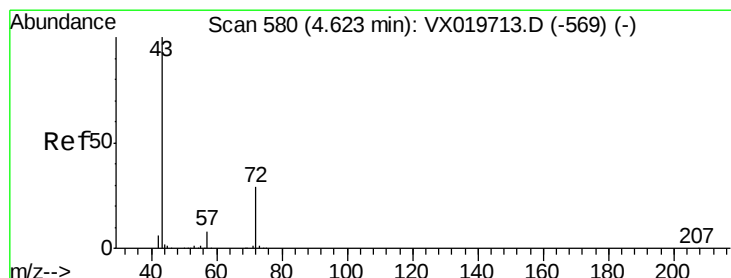
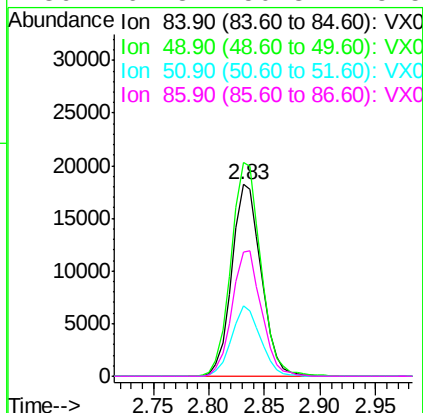
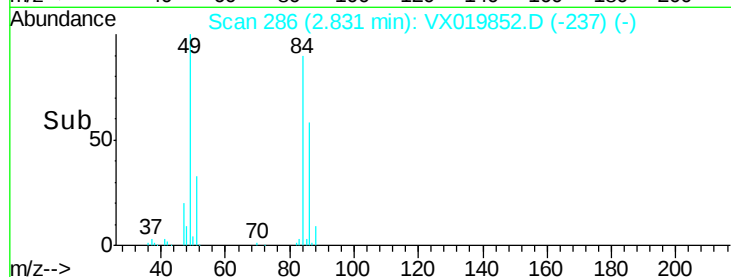
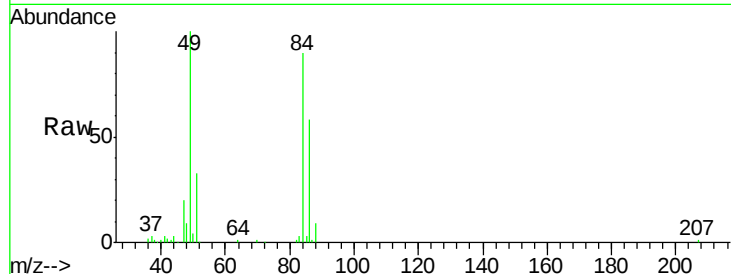




#20
Methylene Chloride
Concen: 7.912 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

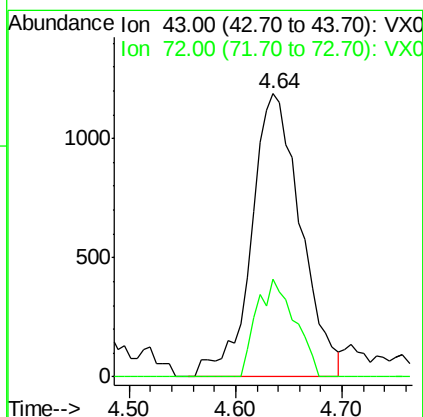
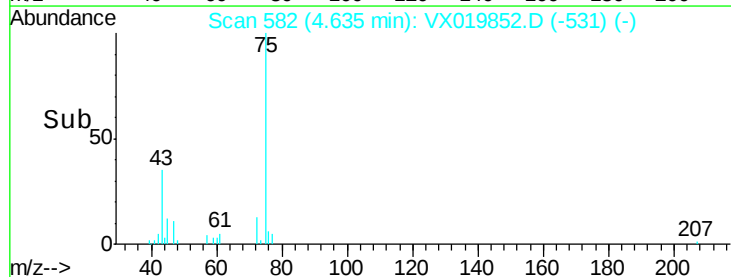
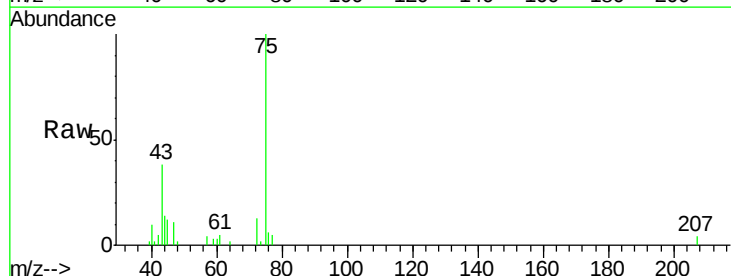
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-BOTTOM

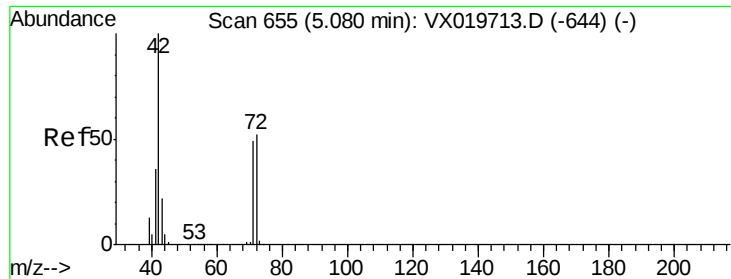
Tgt Ion: 84 Resp: 33351
Ion Ratio Lower Upper
84 100
49 111.5 88.6 132.8
51 36.9 27.0 40.6
86 64.8 50.3 75.5



#25
2-Butanone
Concen: 1.558 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

Tgt Ion: 43 Resp: 3839
Ion Ratio Lower Upper
43 100
72 34.5 23.7 35.5

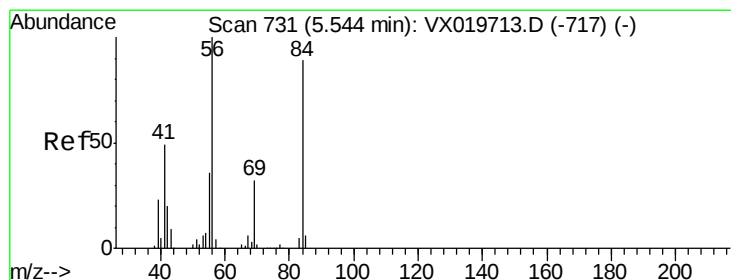
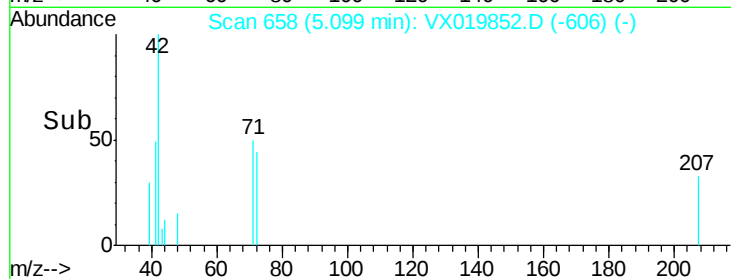
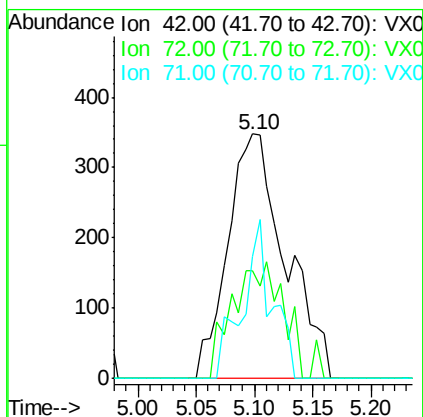
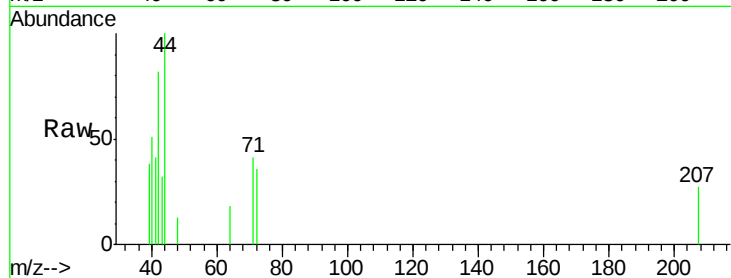




#29
Tetrahydrofuran
Concen: 0.751 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

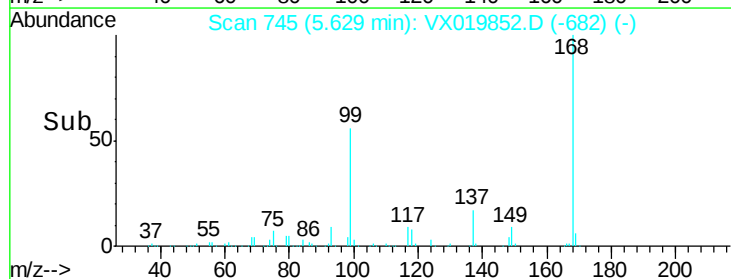
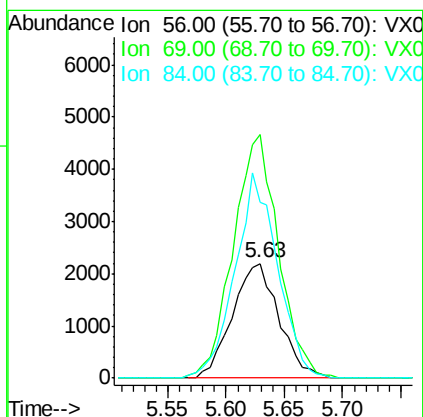
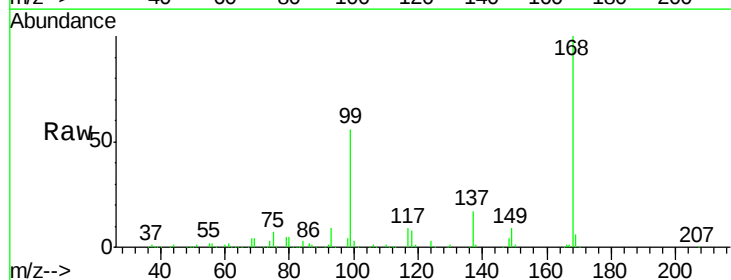
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-BOTTOM

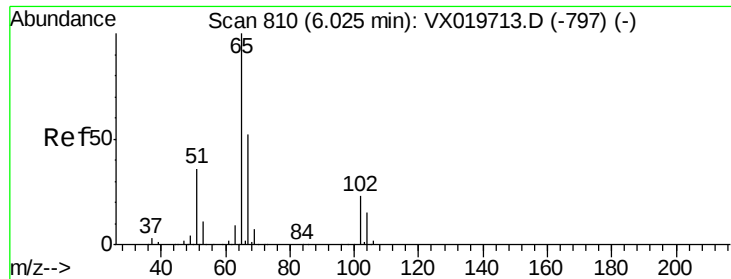
Tgt Ion: 42 Resp: 1192
Ion Ratio Lower Upper
42 100
72 41.5 41.7 62.5#
71 33.5 38.4 57.6#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

Tgt Ion: 56 Resp: 6107
Ion Ratio Lower Upper
56 100
69 212.7 25.3 37.9#
84 153.1 71.4 107.0#

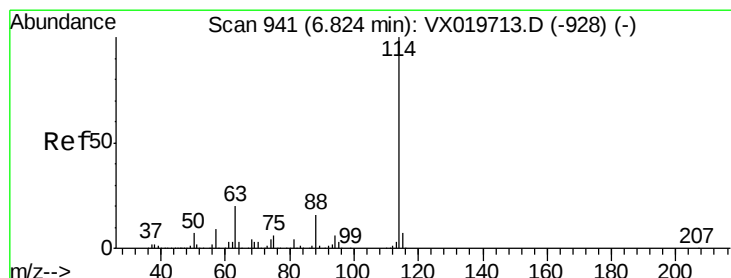
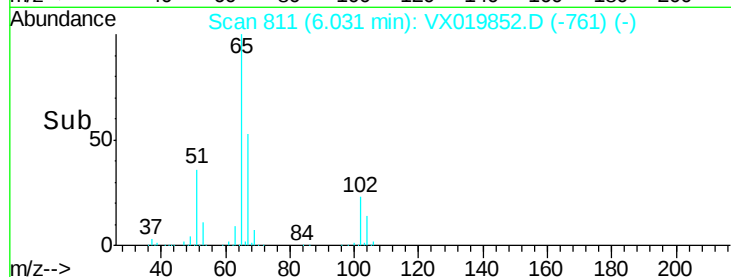
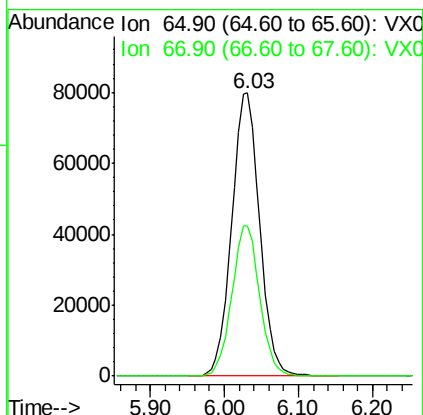
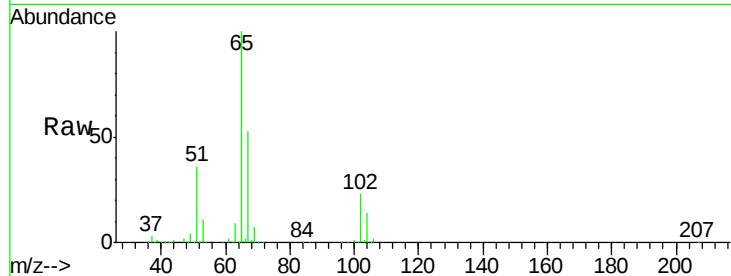




#33
 1,2-Dichloroethane-d4
 Concen: 49.080 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

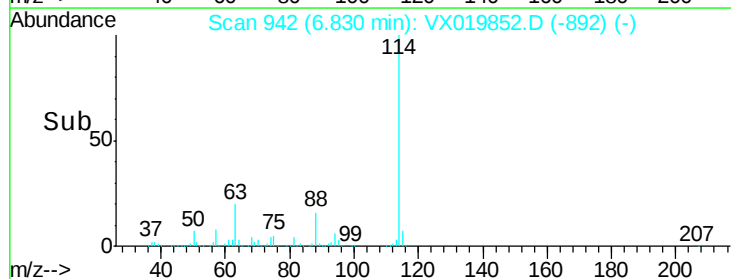
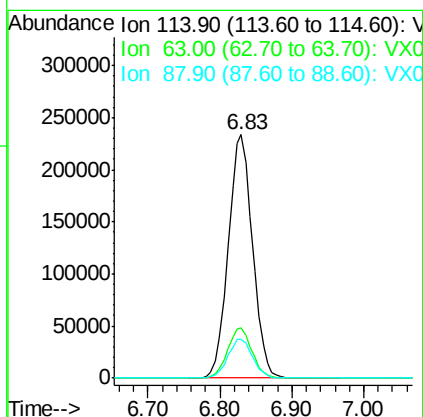
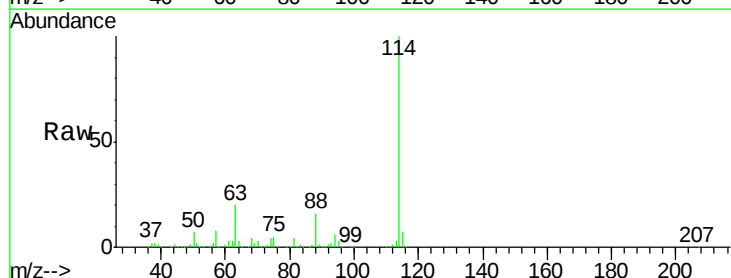
Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-BOTTOM

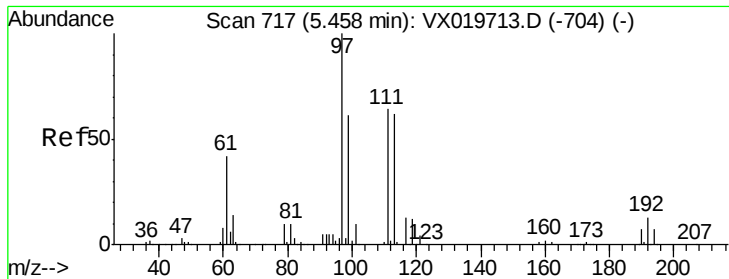
Tgt Ion: 65 Resp: 209407
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

Tgt Ion: 114 Resp: 546671
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 16.2 0.0 32.8

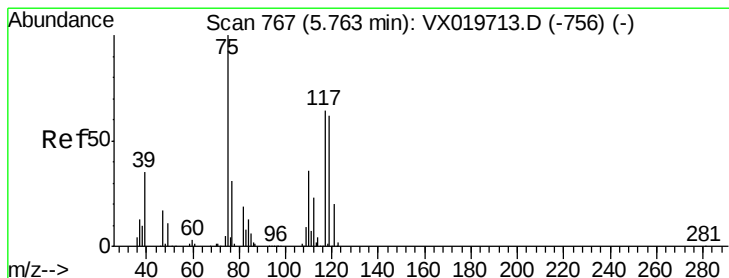
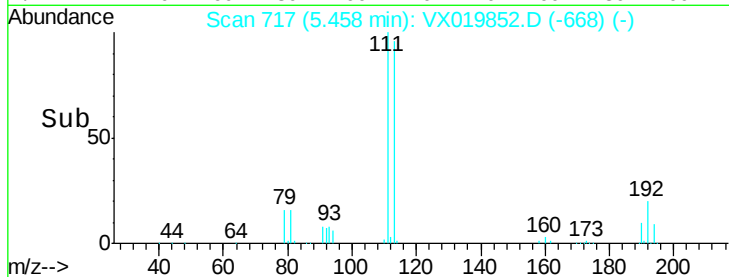
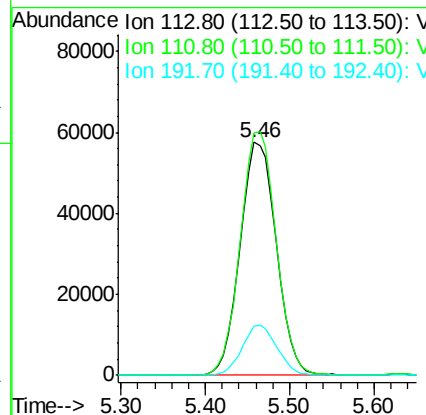
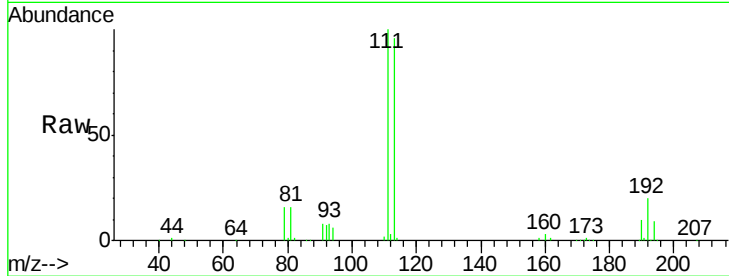




#35
 Dibromofluoromethane
 Concen: 47.547 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

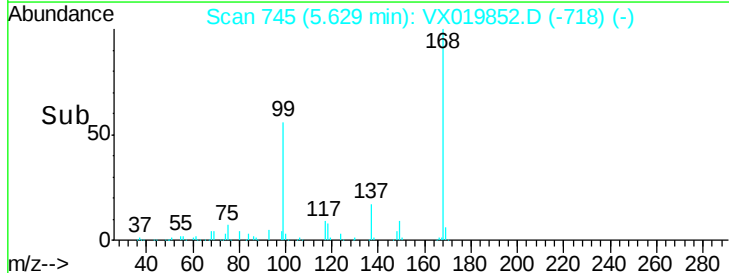
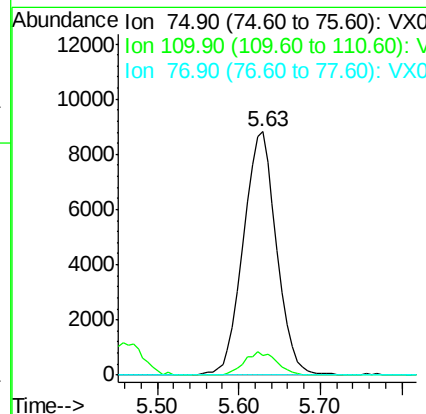
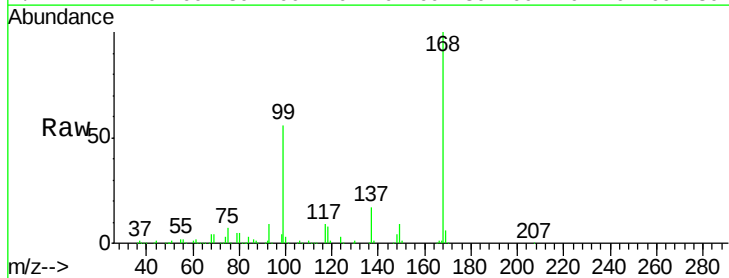
Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-BOTTOM

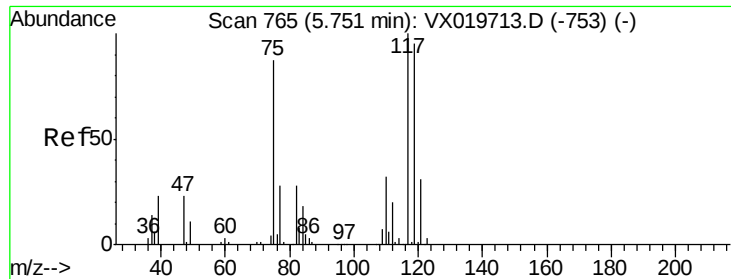
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	20.7	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019852.D

Acq: 11 Dec 2020 02:44

Instrument :

MSVOA_X

ClientSampleId :

TR1-D-BOTTOM

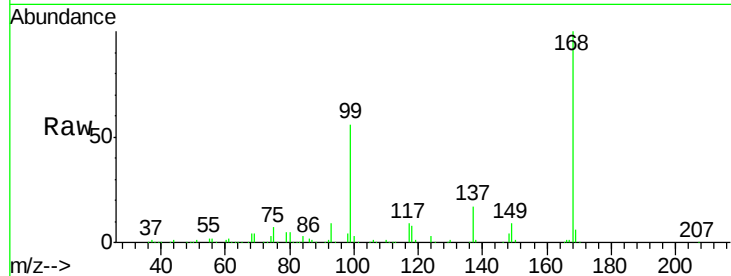
Tgt Ion:117 Resp: 31921

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

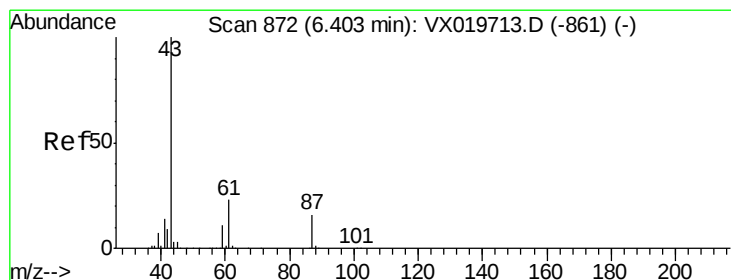
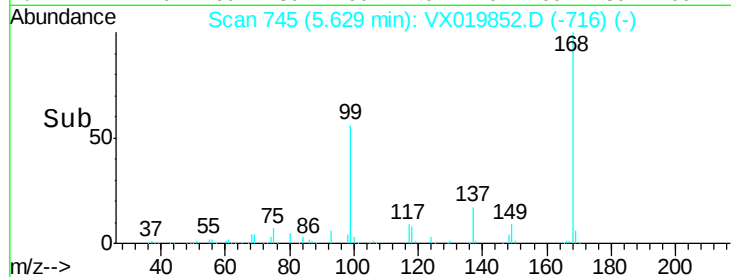
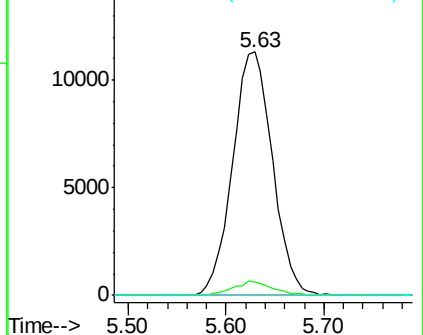
121 0.0 24.8 37.2#



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: 2.971 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019852.D

Acq: 11 Dec 2020 02:44

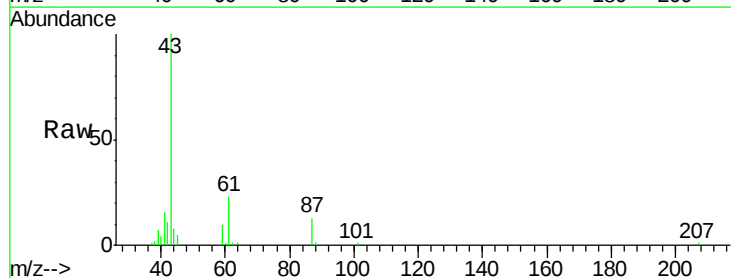
Tgt Ion: 43 Resp: 24090

Ion Ratio Lower Upper

43 100

61 22.6 18.2 27.4

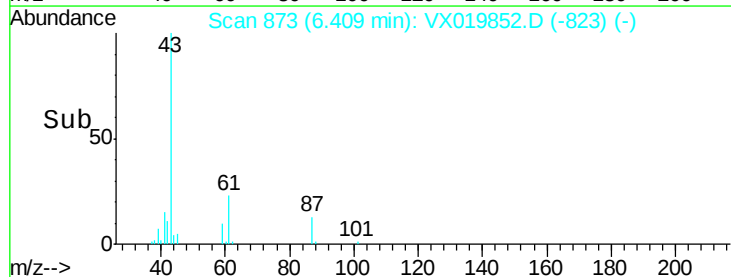
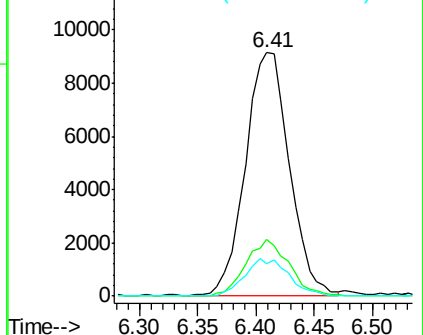
87 15.2 12.5 18.7

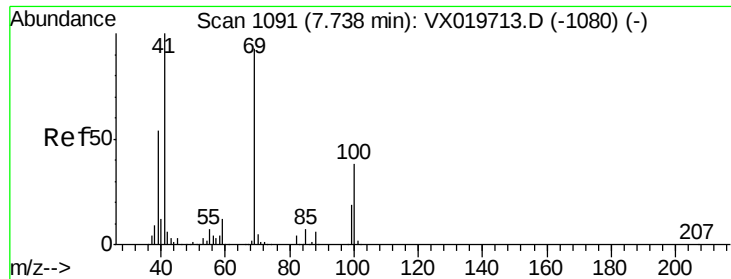


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

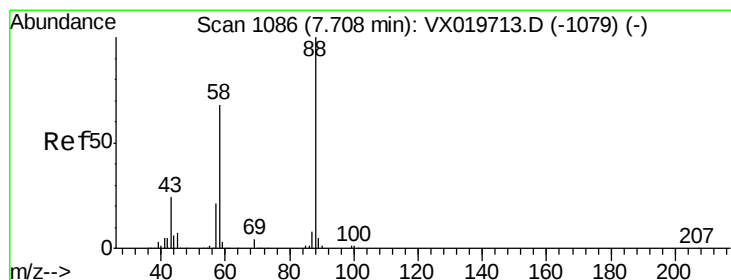
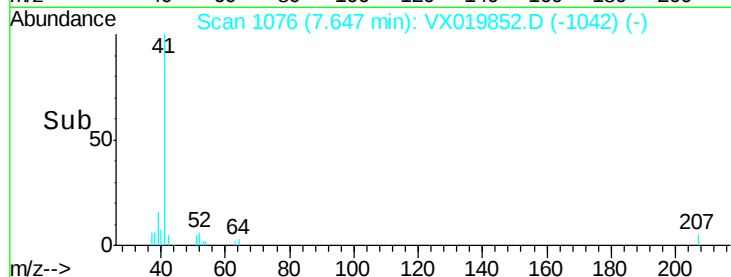
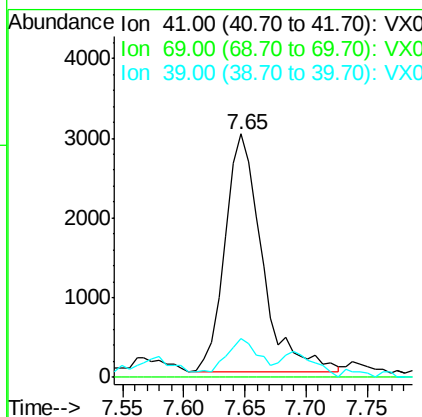
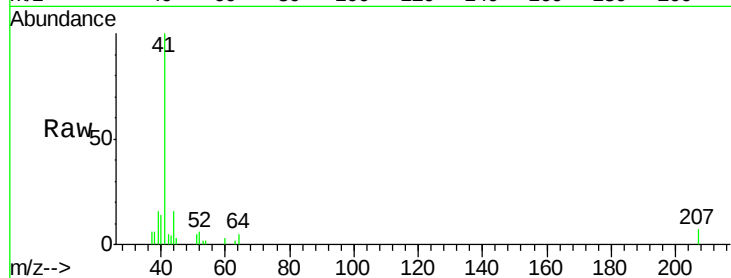




#48
Methyl methacrylate
Concen: 1.585 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

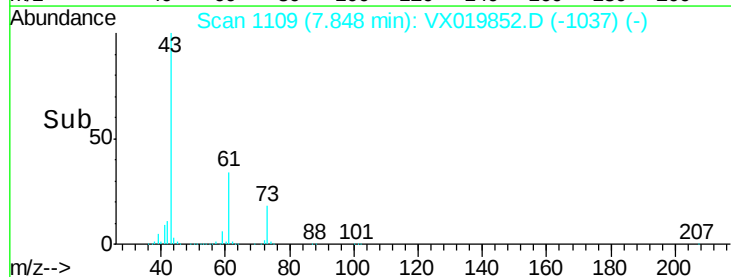
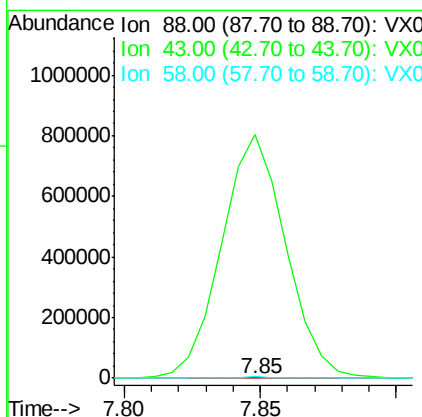
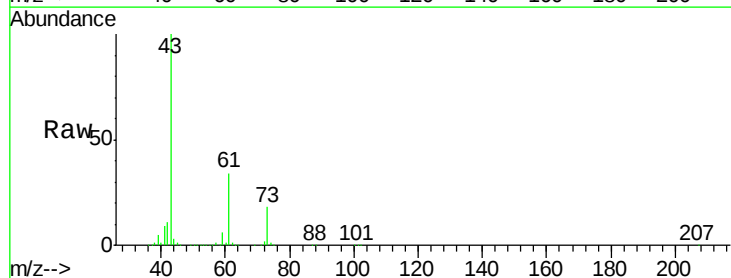
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-BOTTOM

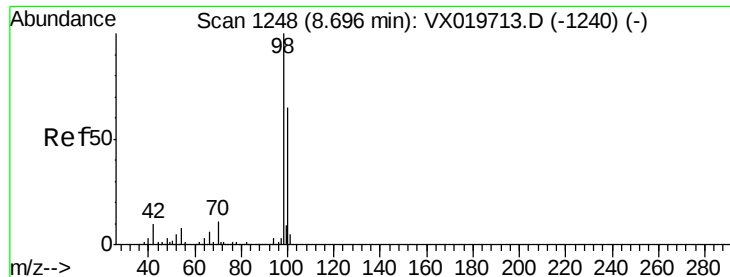
Tgt Ion: 41 Resp: 6323
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.339 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 584291.6 23.2 34.8#
58 3005.3 55.0 82.4#





#50

Toluene-d8

Concen: 49.690 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019852.D

Acq: 11 Dec 2020 02:44

Instrument :

MSVOA_X

ClientSampleId :

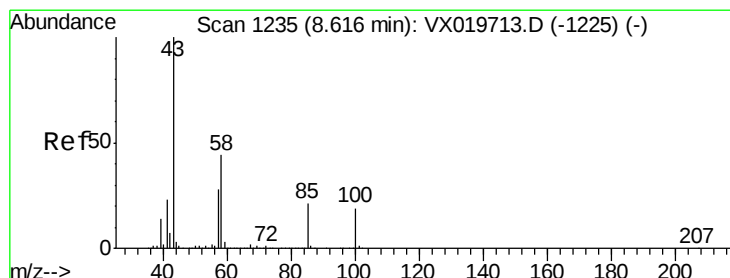
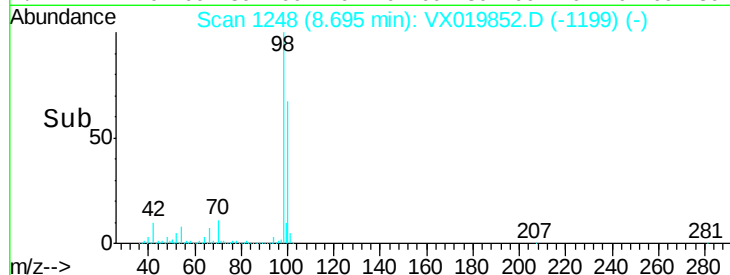
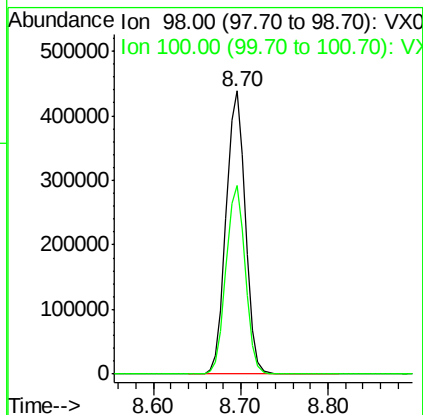
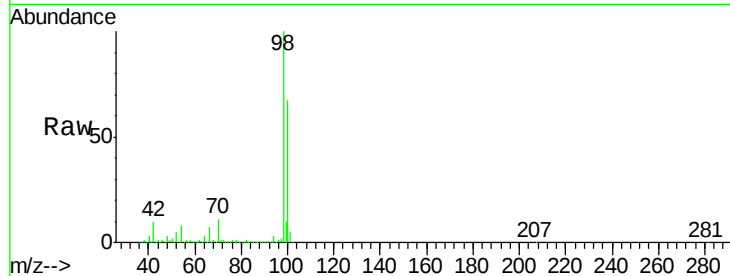
TR1-D-BOTTOM

Tgt Ion: 98 Resp: 670238

Ion Ratio Lower Upper

98 100

100 66.5 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 17.101 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019852.D

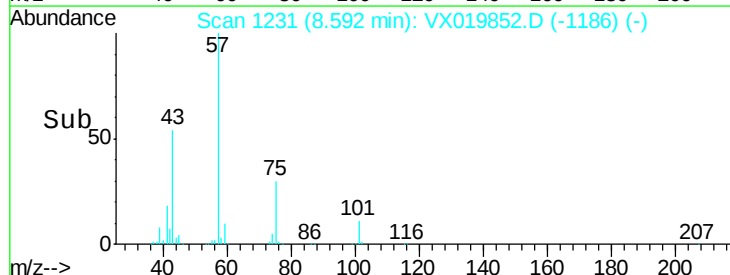
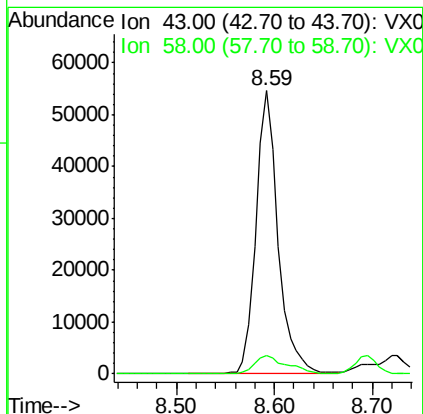
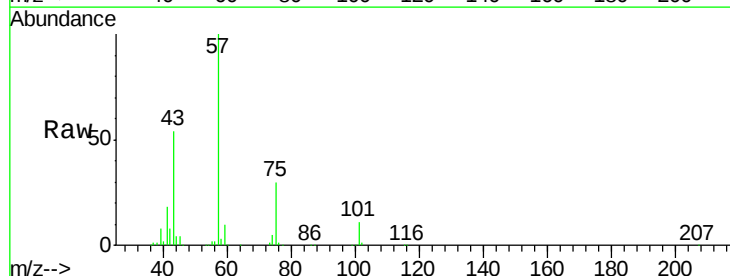
Acq: 11 Dec 2020 02:44

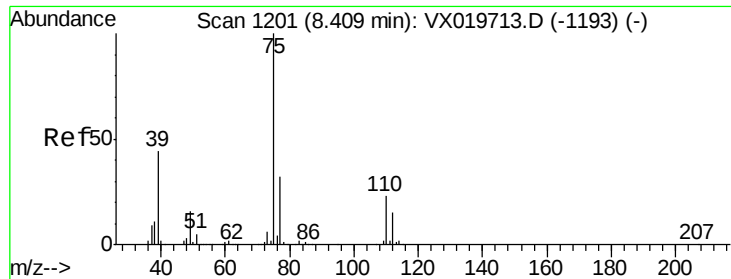
Tgt Ion: 43 Resp: 84663

Ion Ratio Lower Upper

43 100

58 9.5 35.4 53.0#



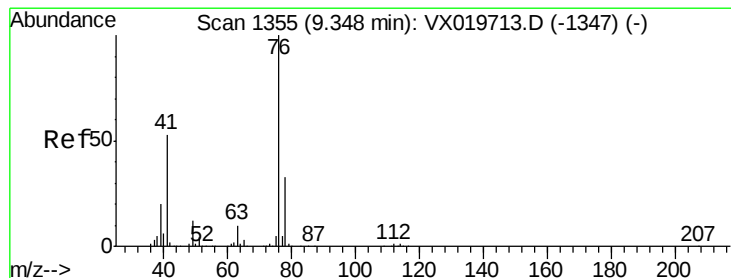
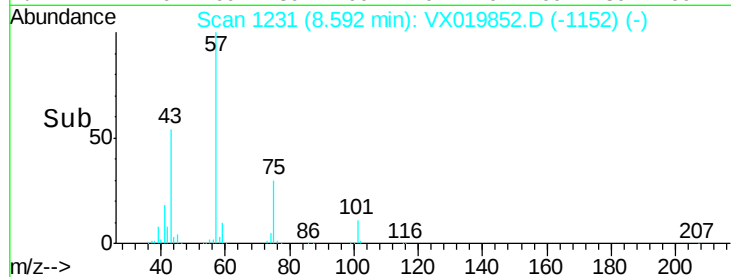
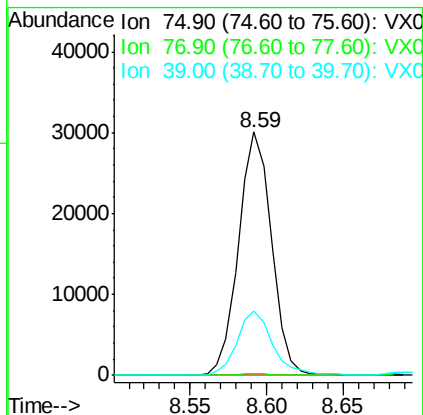
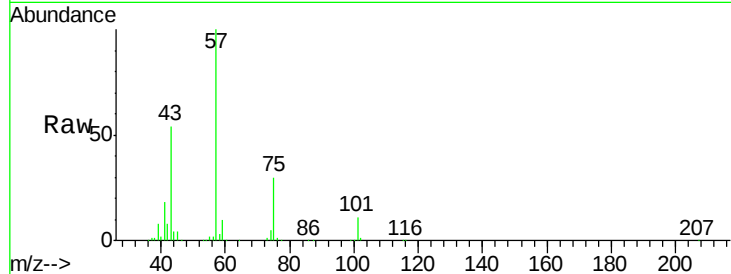


#54

cis-1,3-Dichloropropene
 Concen: 7.381 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-BOTTOM

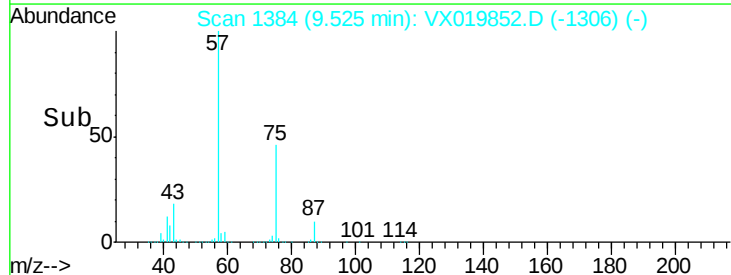
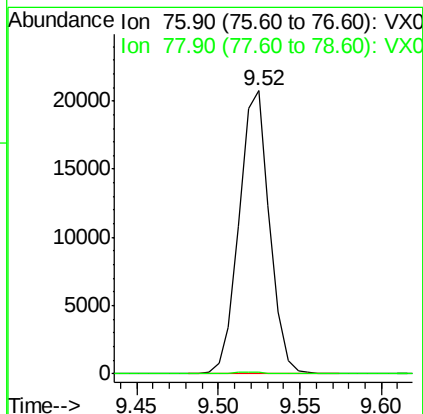
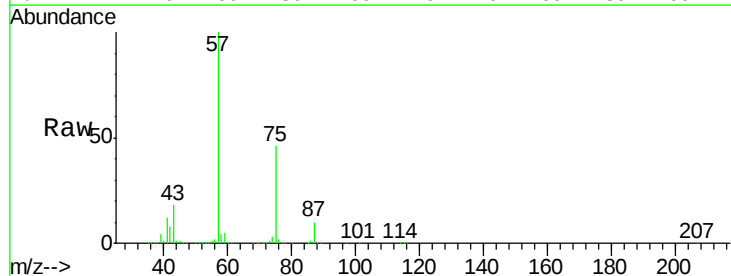
Tgt Ion: 75 Resp: 44970
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 26.1 35.1 52.7#

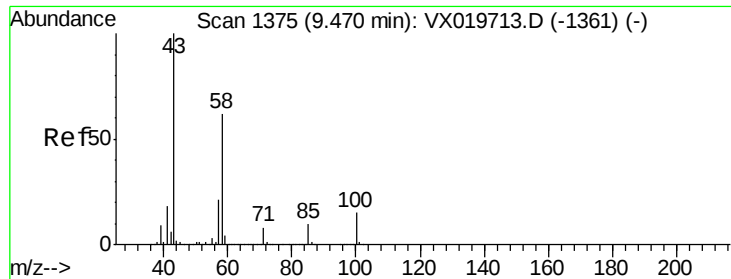


#57

1,3-Dichloropropane
 Concen: 4.144 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

Tgt Ion: 76 Resp: 26909
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

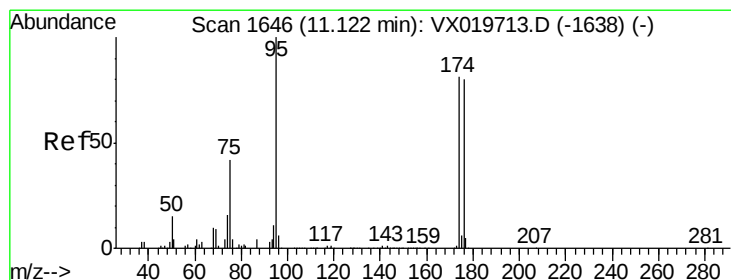
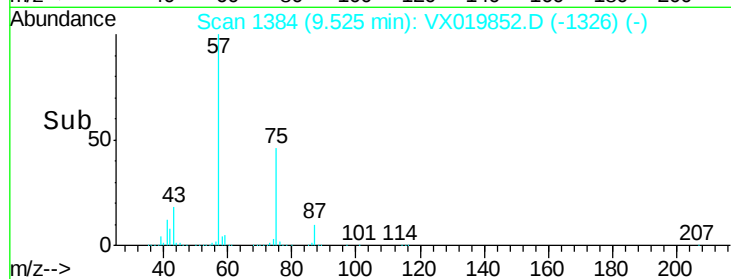
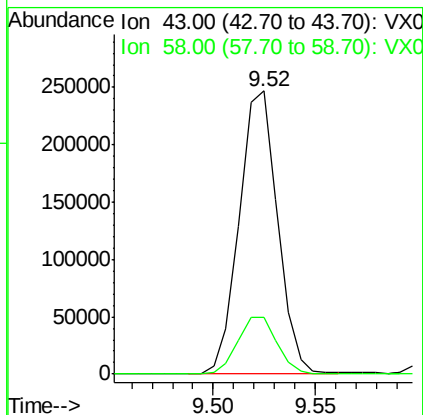
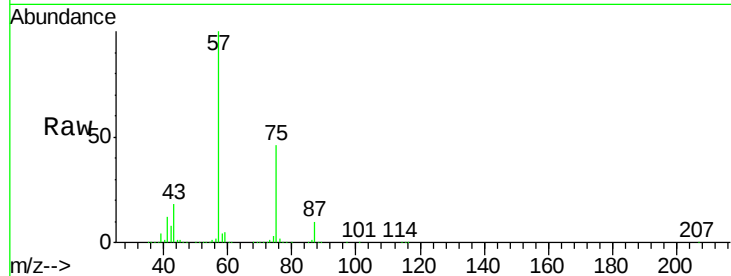




#59
2-Hexanone
Concen: 84.125 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

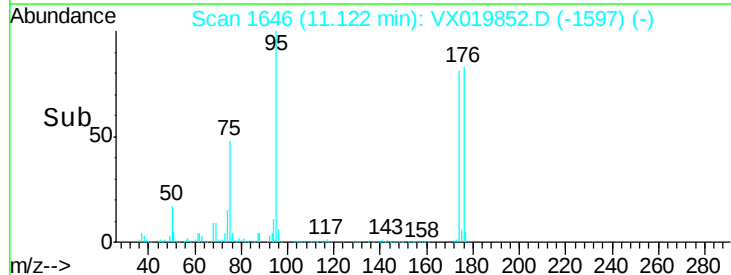
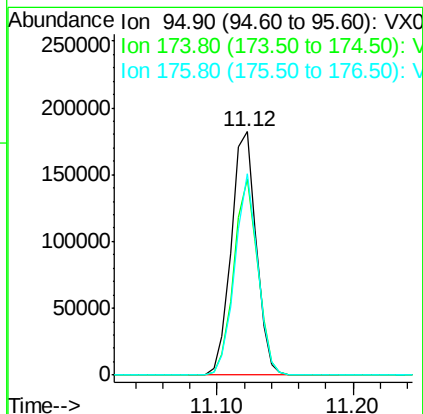
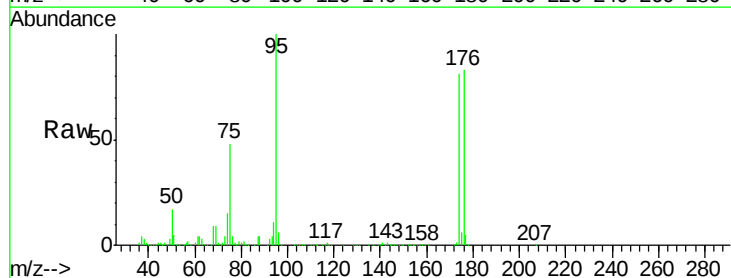
Instrument :
MSVOA_X
ClientSampleId :
TR1-D-BOTTOM

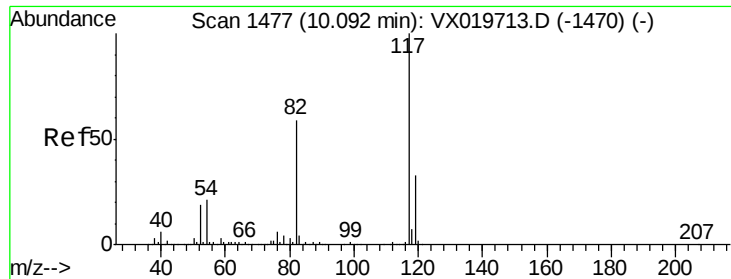
Tgt Ion: 43 Resp: 322830
Ion Ratio Lower Upper
43 100
58 21.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.222 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

Tgt Ion: 95 Resp: 232161
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 76.5 0.0 155.8

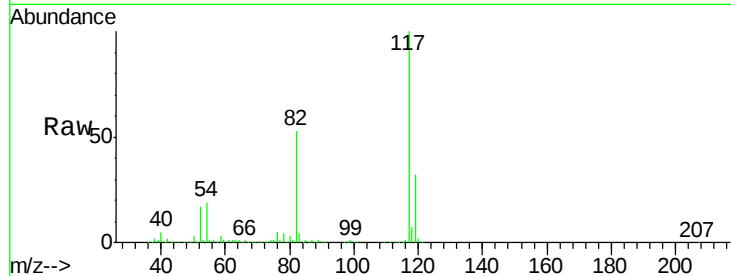




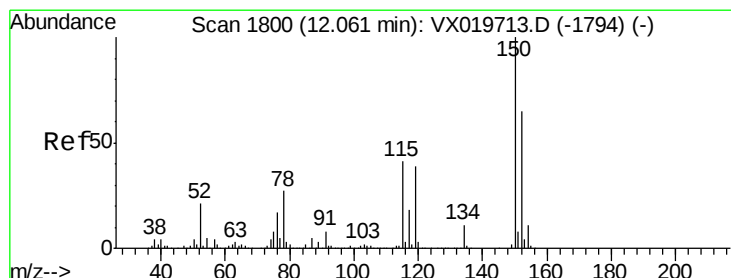
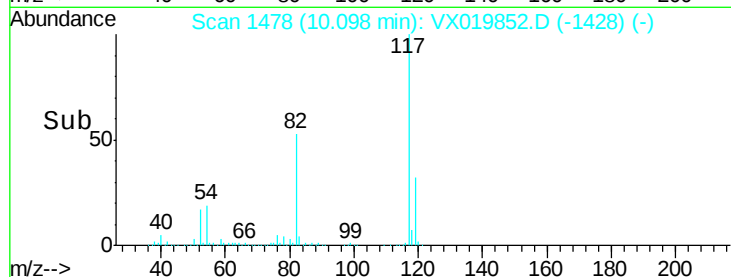
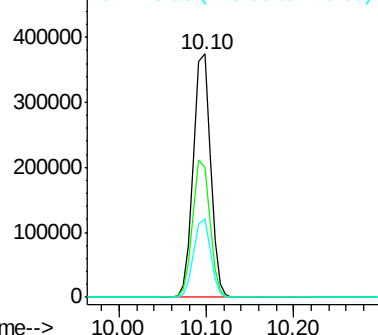
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

Instrument :
MSVOA_X
ClientSampleId :
TR1-D-BOTTOM

Tgt Ion:117 Resp: 508463
Ion Ratio Lower Upper
117 100
82 53.1 47.4 71.2
119 32.4 26.6 39.8

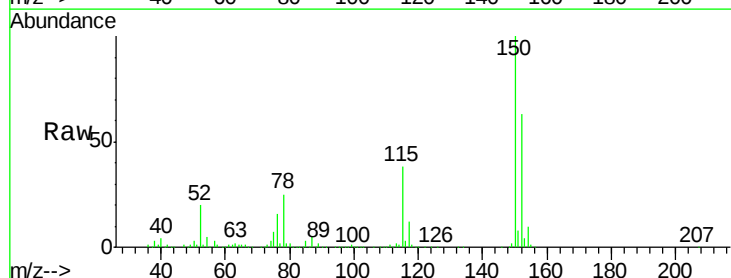


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

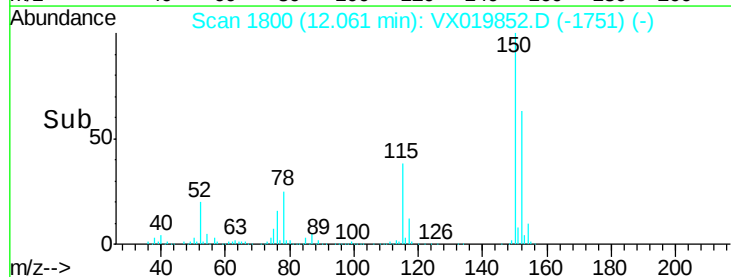
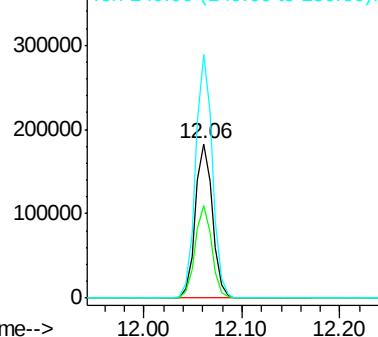


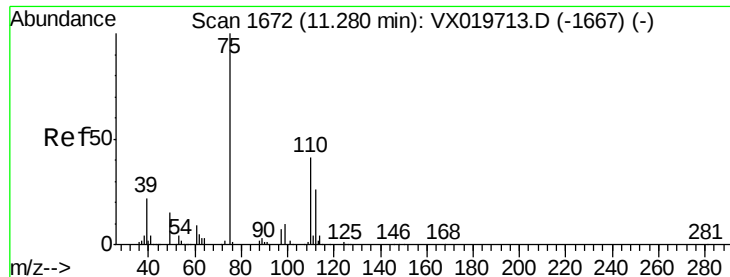
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019852.D
Acq: 11 Dec 2020 02:44

Tgt Ion:152 Resp: 221062
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 155.2 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

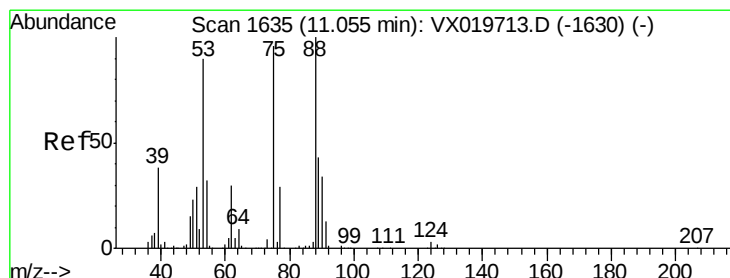
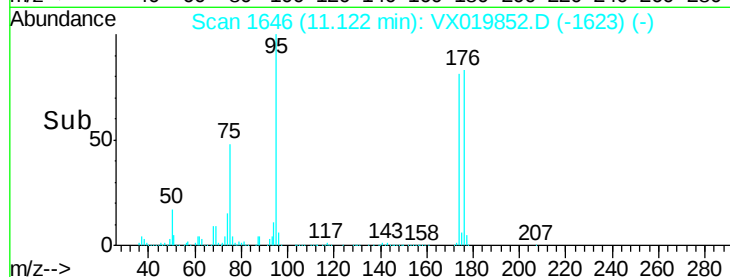
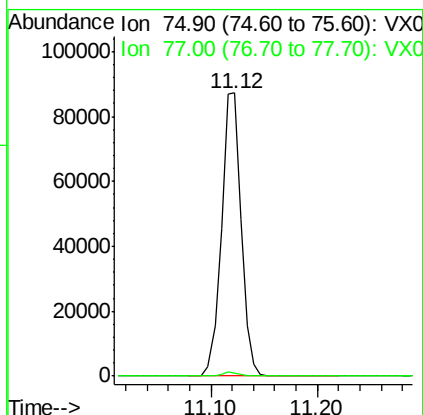
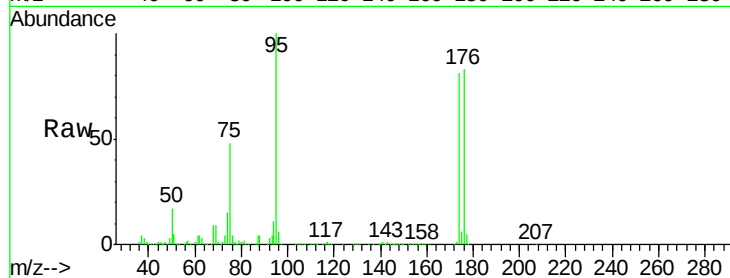




#76
 1,2,3-Trichloropropane
 Concen: 22.735 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-D-BOTTOM

Tgt Ion: 75 Resp: 112719
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.722 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019852.D
 Acq: 11 Dec 2020 02:44

Tgt Ion: 75 Resp: 112719
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

