

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019846.D
 Acq On : 11 Dec 2020 00:24
 Operator : JC/MD
 Sample : L4983-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-A-BOTTOM

Quant Time: Dec 11 03:04:08 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	323809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	542014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	506993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220521	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	206273	48.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.94%	
35) Dibromofluoromethane		5.46	113	166105	47.42	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.84%	
50) Toluene-d8		8.70	98	670311	50.12	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.24%	
62) 4-Bromofluorobenzene		11.12	95	233676	45.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.82%	

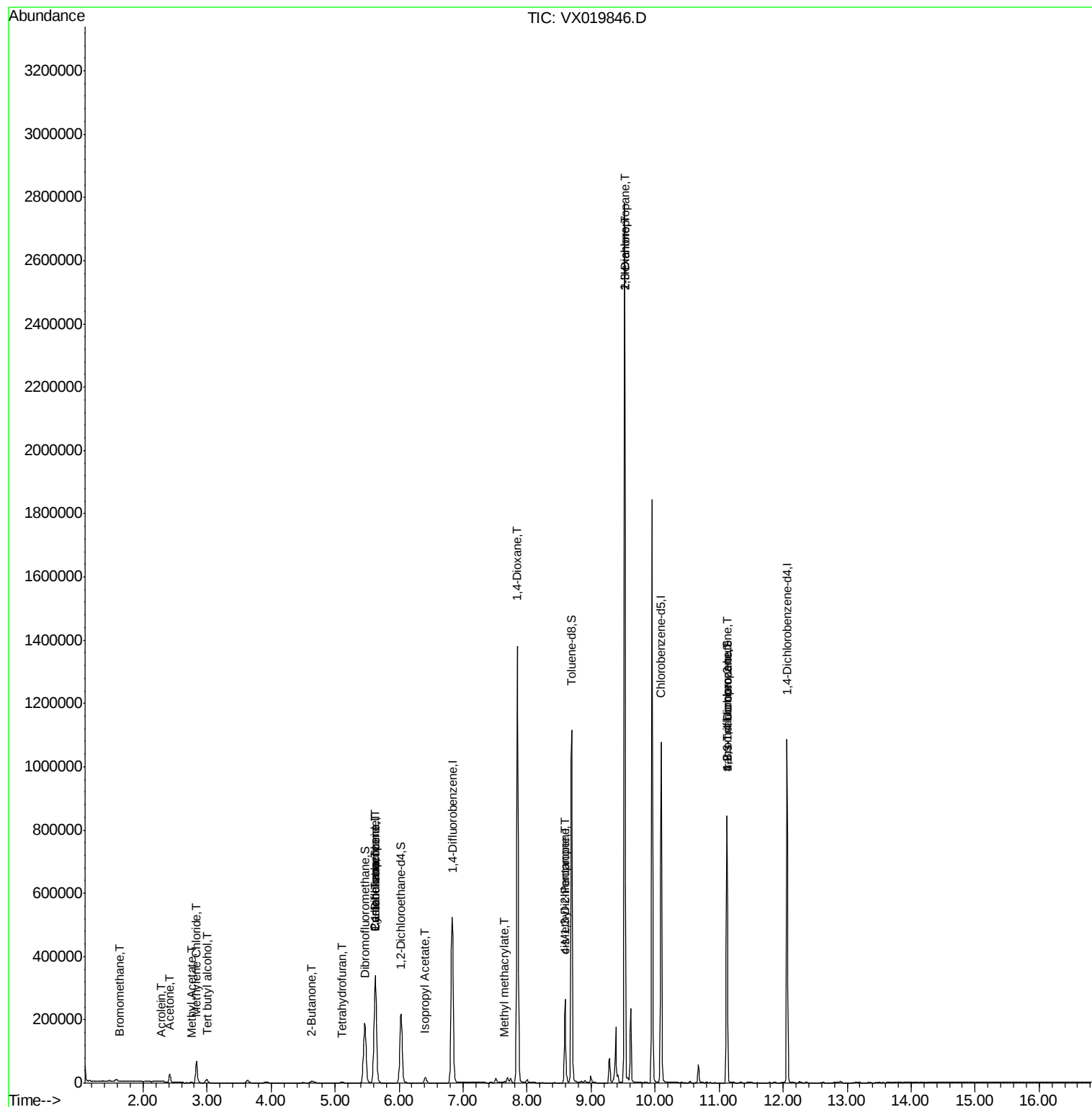
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	720	0.590	ug/l	96
11) Tert butyl alcohol	3.00	59	7128	5.592	ug/l #	79
13) Acrolein	2.28	56	306	0.651	ug/l #	57
16) Acetone	2.42	43	27049	16.909	ug/l	98
18) Methyl Acetate	2.75	43	2248	0.574	ug/l	91
20) Methylene Chloride	2.83	84	33024	7.844	ug/l	99
25) 2-Butanone	4.63	43	4177	1.699	ug/l	91
29) Tetrahydrofuran	5.10	42	1087	0.686	ug/l #	70
31) Cyclohexane	5.63	56	6019	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24865	5.077	ug/l #	49
38) Carbon Tetrachloride	5.62	117	31860	6.643	ug/l #	16
43) Isopropyl Acetate	6.40	43	23082	2.871	ug/l	99
48) Methyl methacrylate	7.65	41	6364	1.609	ug/l #	10
49) 1,4-Dioxane	7.85	88	209	2.182	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	83160	16.942	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	43585	7.215	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	24809	3.853	ug/l #	43
59) 2-Hexanone	9.52	43	298893	78.557	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	114343	23.119	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	114343	66.832	ug/l #	12

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

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TR1-A-BOTTOM

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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: VX019846.D

Acq: 11 Dec 2020 00:24

Instrument :

MSVOA_X

ClientSampleId :

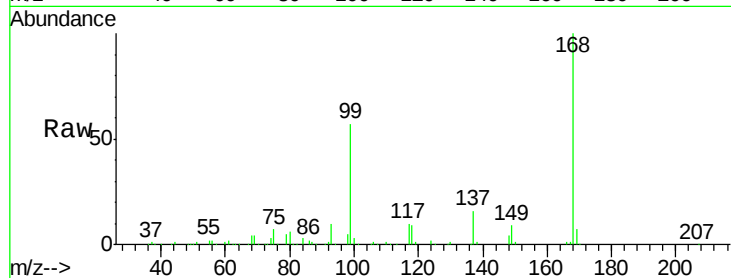
TR1-A-BOTTOM

Tgt Ion:168 Resp: 323809

Ion Ratio Lower Upper

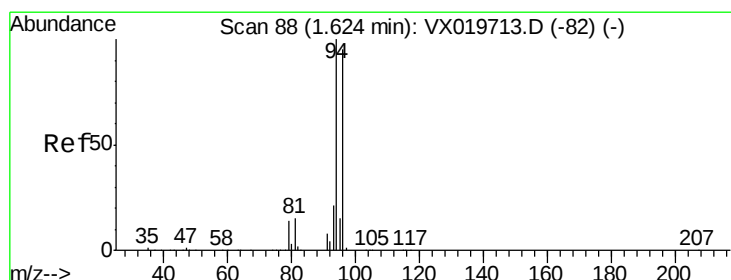
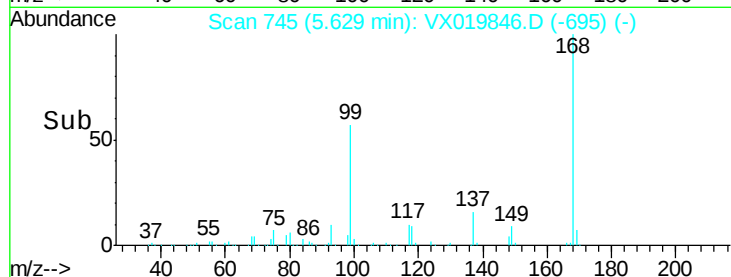
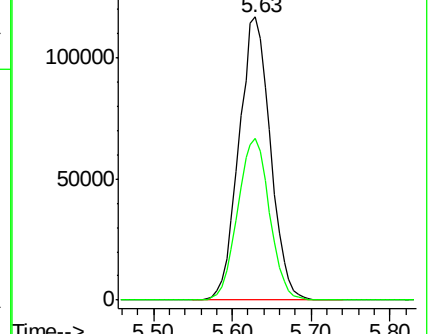
168 100

99 57.1 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: 0.590 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019846.D

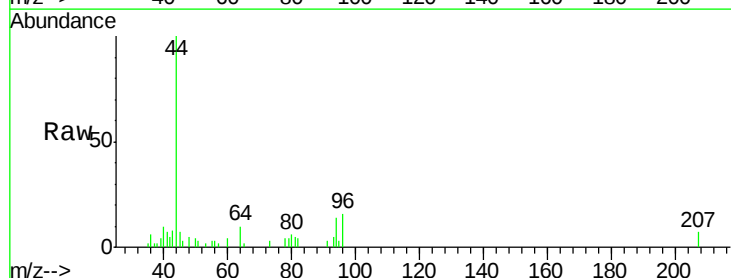
Acq: 11 Dec 2020 00:24

Tgt Ion: 94 Resp: 720

Ion Ratio Lower Upper

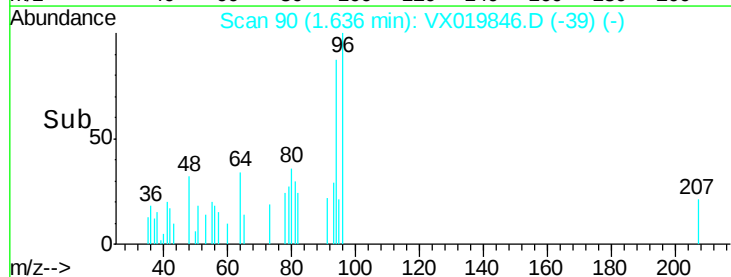
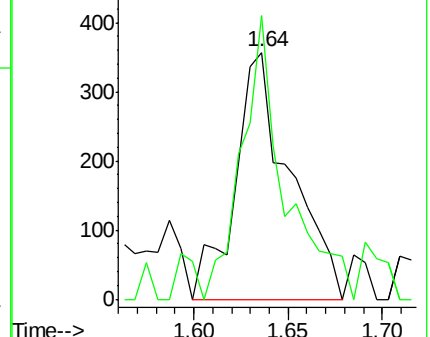
94 100

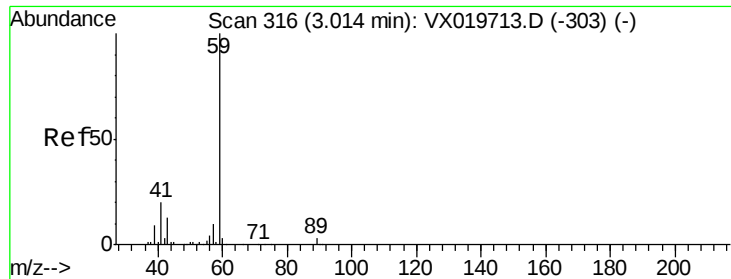
96 99.4 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

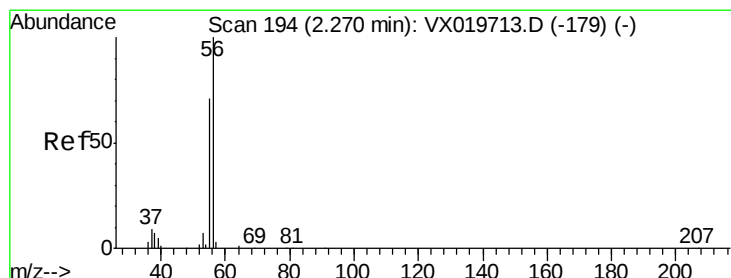
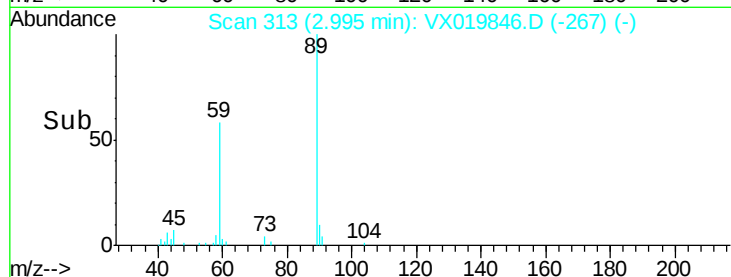
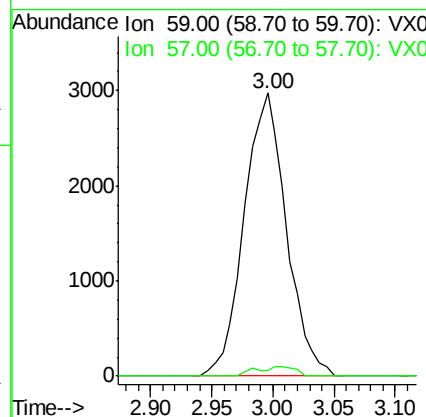
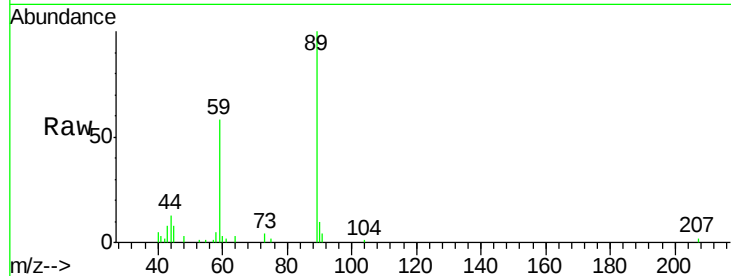




#11
Tert butyl alcohol
Concen: 5.592 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

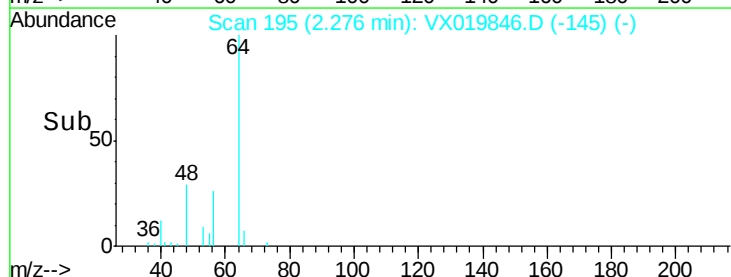
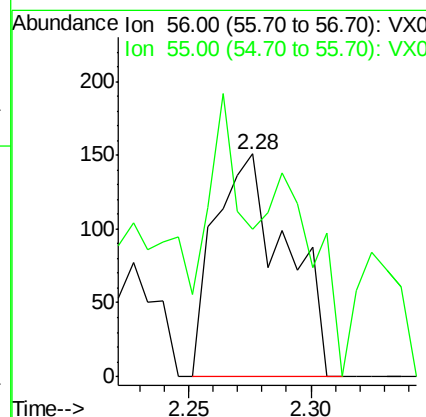
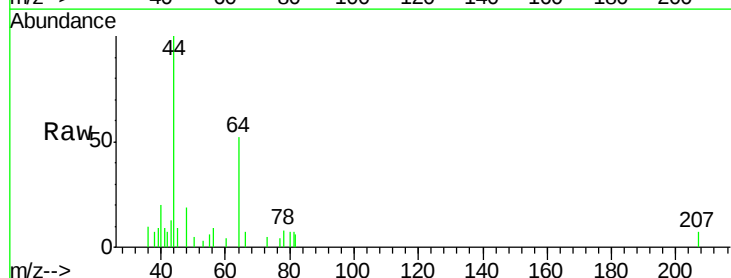
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

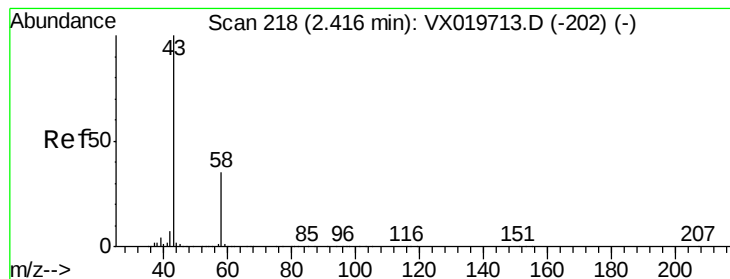
Tgt Ion: 59 Resp: 7128
Ion Ratio Lower Upper
59 100
57 2.2 7.8 11.8#



#13
Acrolein
Concen: 0.651 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 35.3 56.4 84.6#





#16

Acetone

Concen: 16.909 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019846.D

Acq: 11 Dec 2020 00:24

Instrument :

MSVOA_X

ClientSampleId :

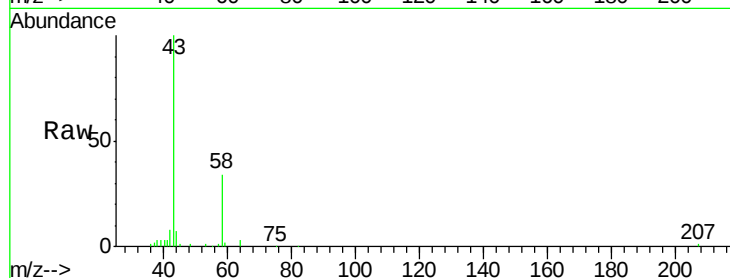
TR1-A-BOTTOM

Tgt Ion: 43 Resp: 27049

Ion Ratio Lower Upper

43 100

58 33.7 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

15000

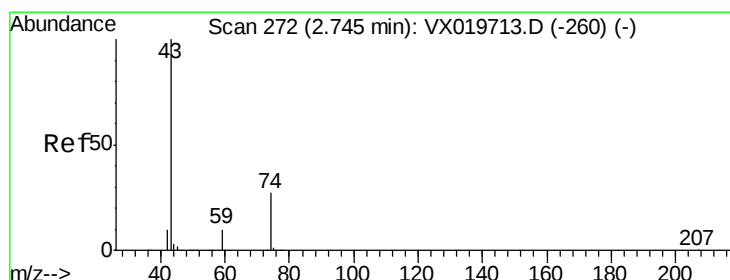
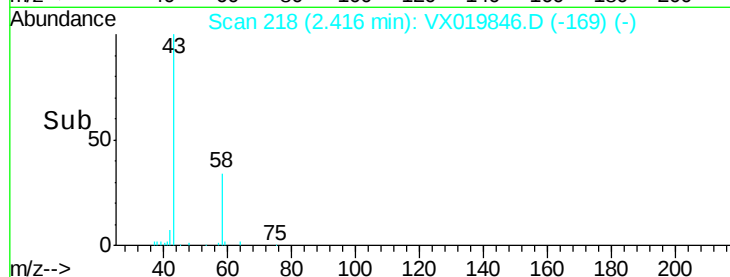
10000

5000

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.574 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019846.D

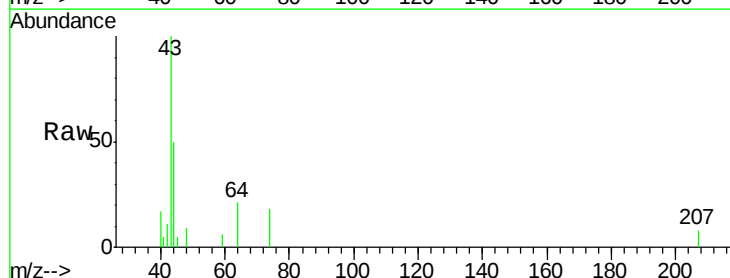
Acq: 11 Dec 2020 00:24

Tgt Ion: 43 Resp: 2248

Ion Ratio Lower Upper

43 100

74 22.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

1200

1000

800

600

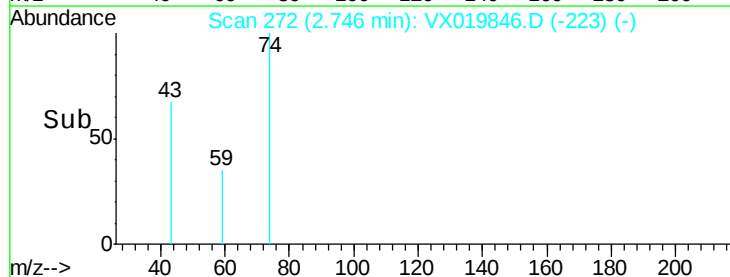
400

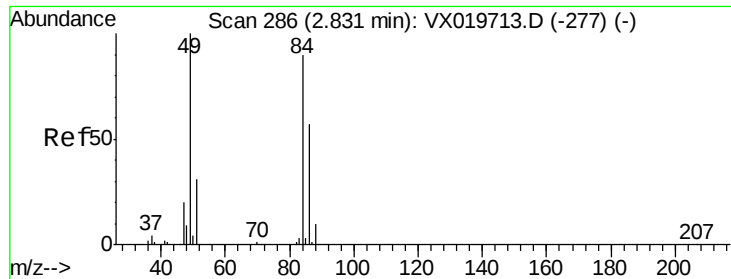
200

0

2.70 2.75 2.80

Time-->

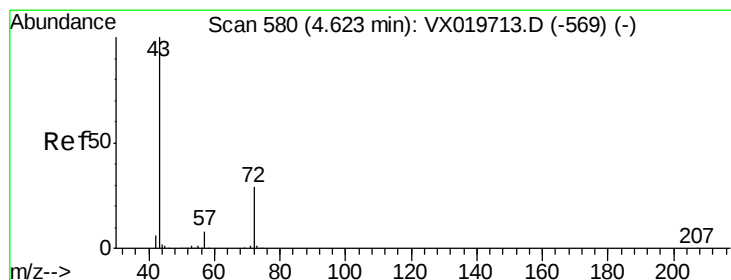
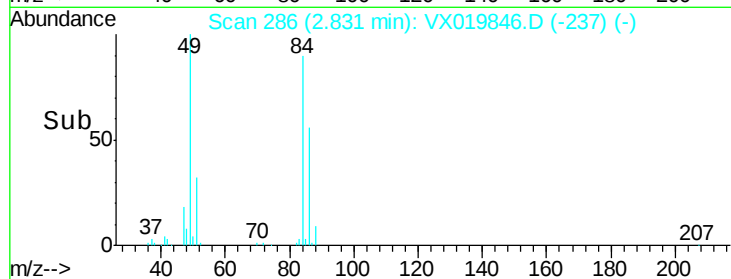
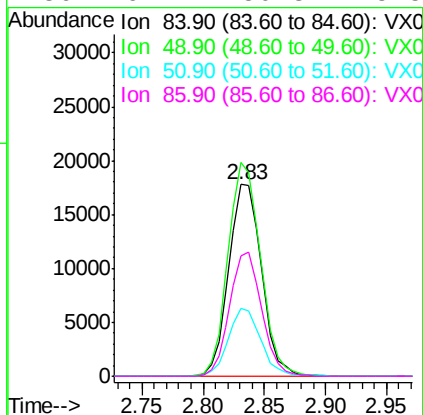
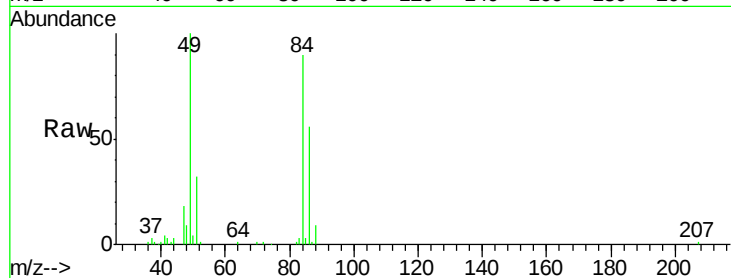




#20
Methylene Chloride
Concen: 7.844 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

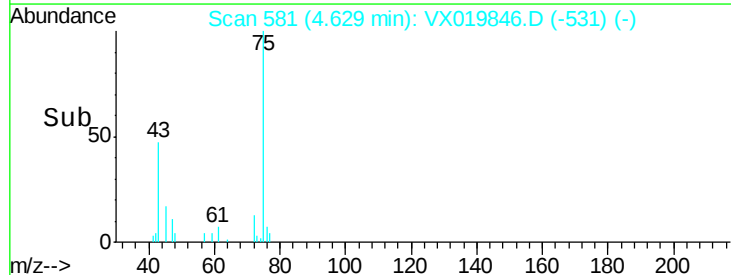
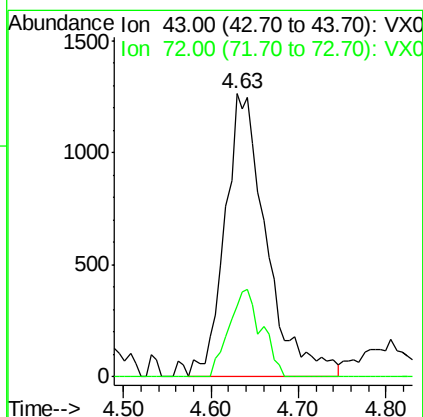
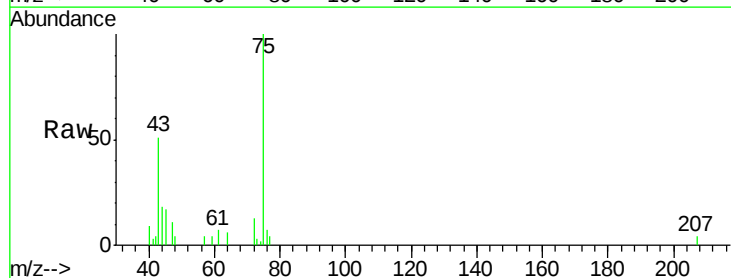
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

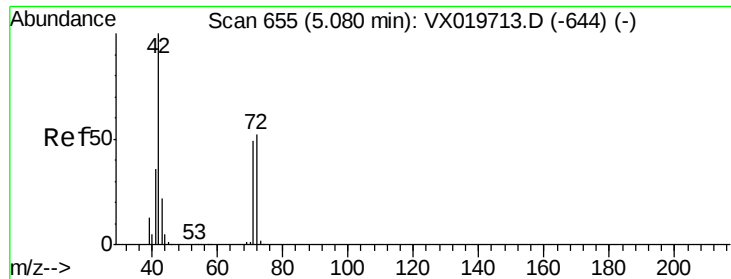
Tgt Ion: 84 Resp: 33024
Ion Ratio Lower Upper
84 100
49 111.4 88.6 132.8
51 35.3 27.0 40.6
86 62.7 50.3 75.5



#25
2-Butanone
Concen: 1.699 ug/l
RT: 4.63 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion: 43 Resp: 4177
Ion Ratio Lower Upper
43 100
72 24.9 23.7 35.5

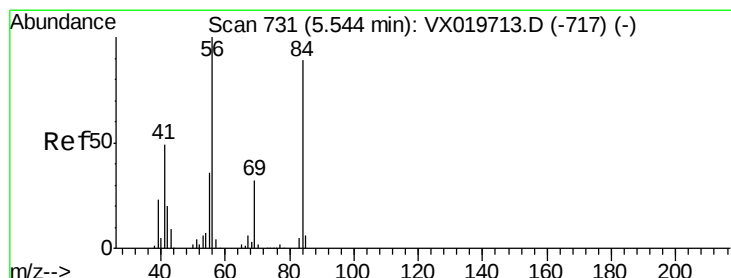
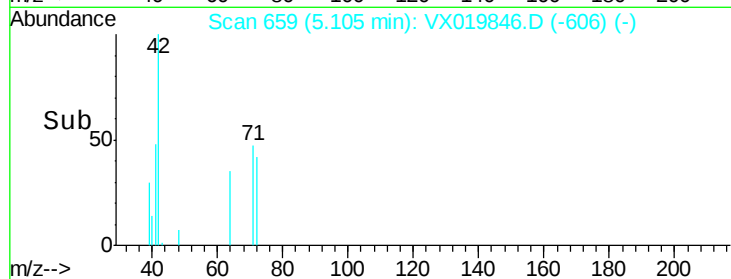
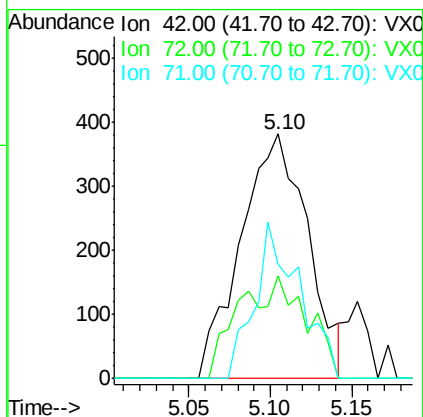
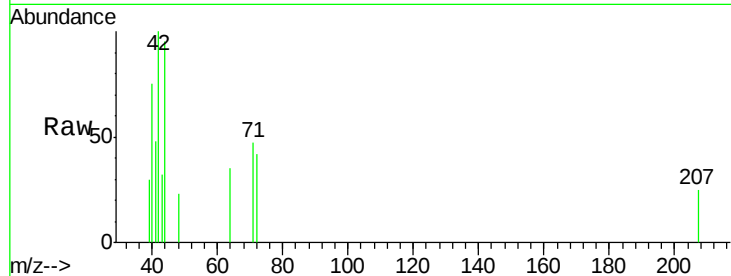




#29
Tetrahydrofuran
Concen: 0.686 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

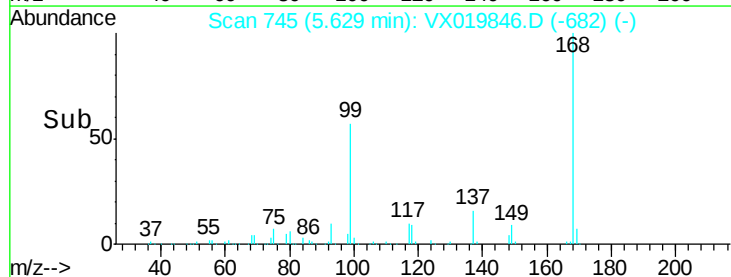
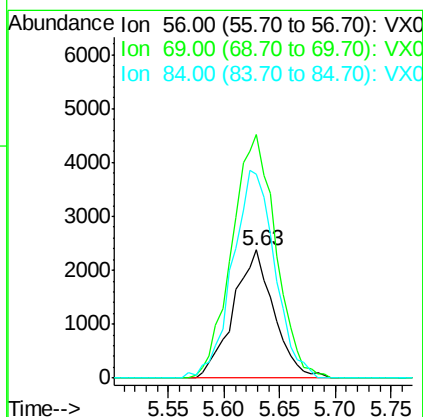
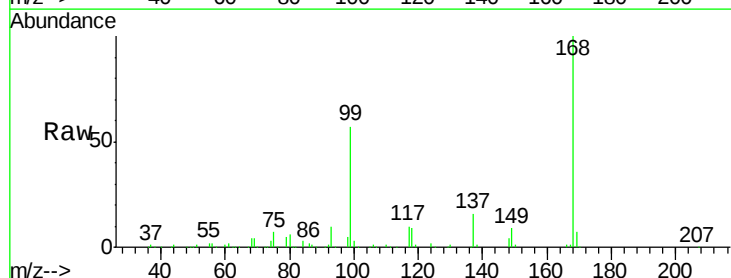
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

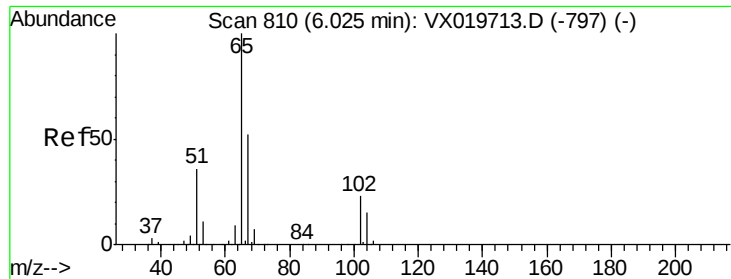
Tgt Ion: 42 Resp: 1087
Ion Ratio Lower Upper
42 100
72 17.3 41.7 62.5#
71 42.5 38.4 57.6



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion: 56 Resp: 6019
Ion Ratio Lower Upper
56 100
69 189.9 25.3 37.9#
84 158.7 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.469 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019846.D

Acq: 11 Dec 2020 00:24

Instrument :

MSVOA_X

ClientSampleId :

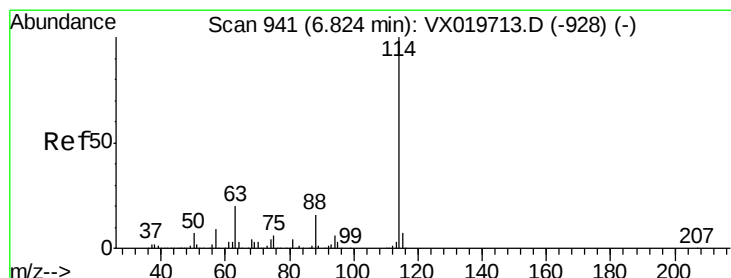
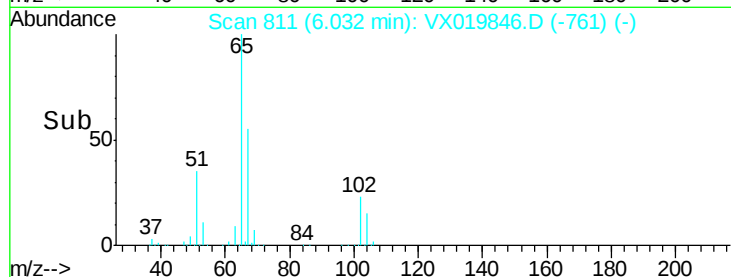
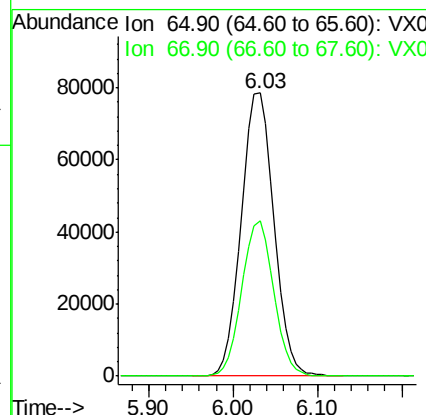
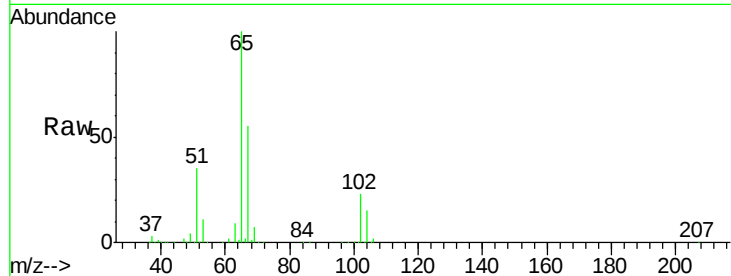
TR1-A-BOTTOM

Tgt Ion: 65 Resp: 206273

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: VX019846.D

Acq: 11 Dec 2020 00:24

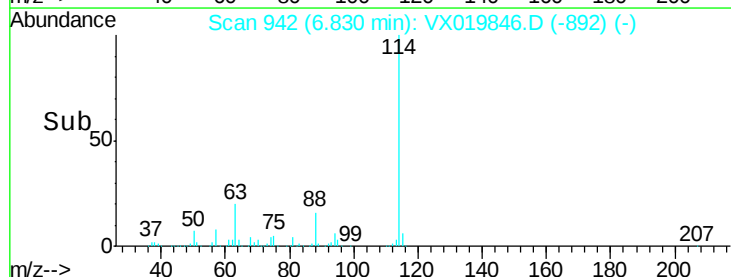
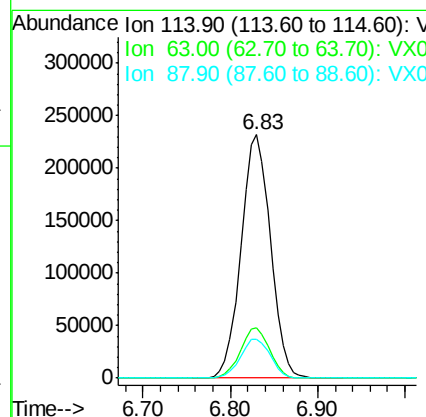
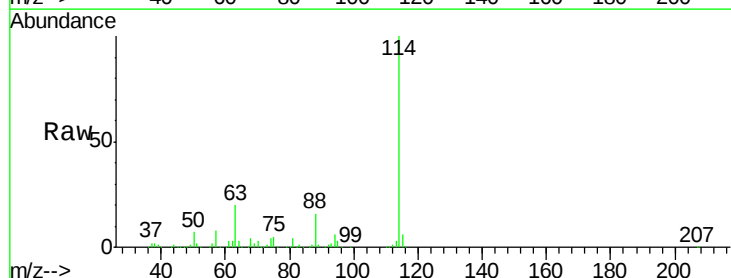
Tgt Ion: 114 Resp: 542014

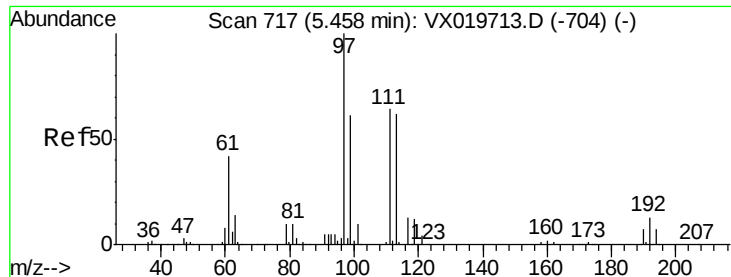
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 16.2 0.0 32.8

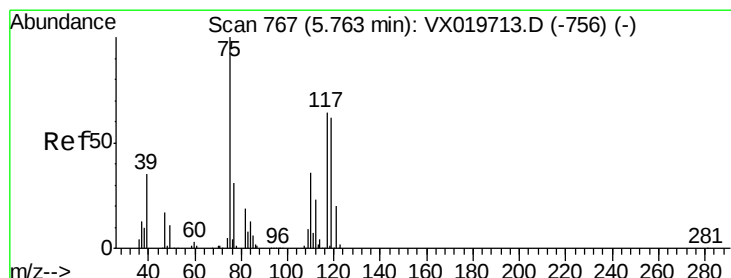
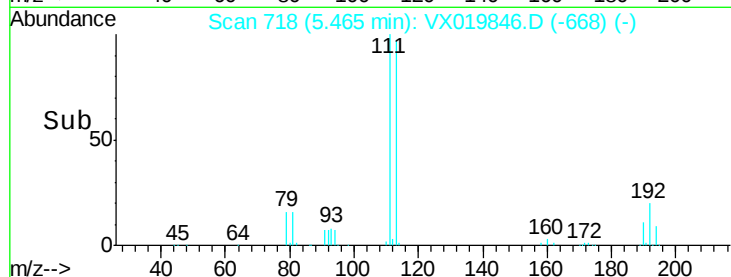
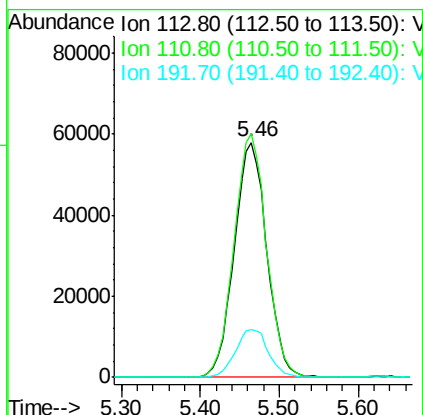
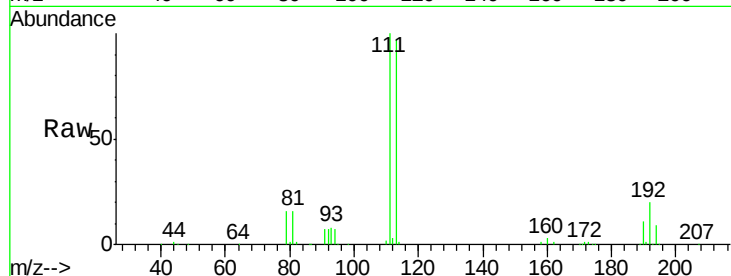




#35
Dibromofluoromethane
Concen: 47.419 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

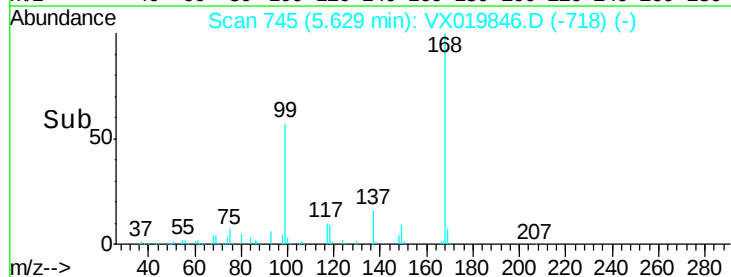
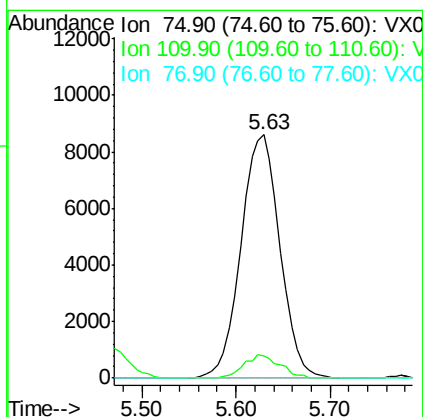
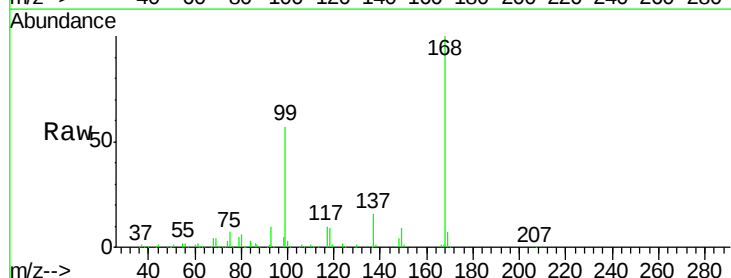
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

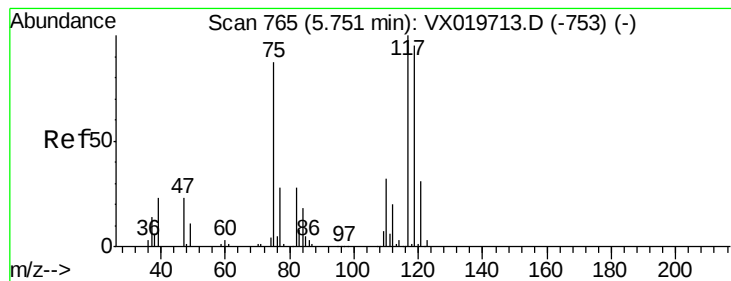
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	20.7	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.643 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019846.D

Acq: 11 Dec 2020 00:24

Instrument :

MSVOA_X

ClientSampleId :

TR1-A-BOTTOM

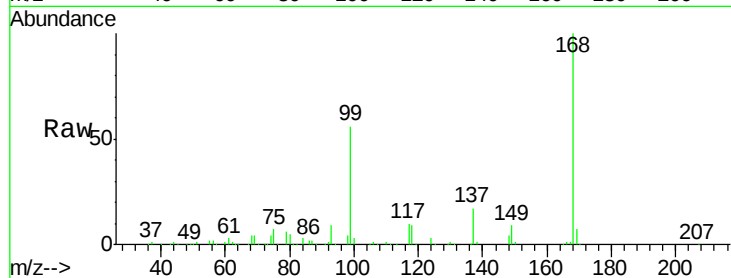
Tgt Ion:117 Resp: 31860

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

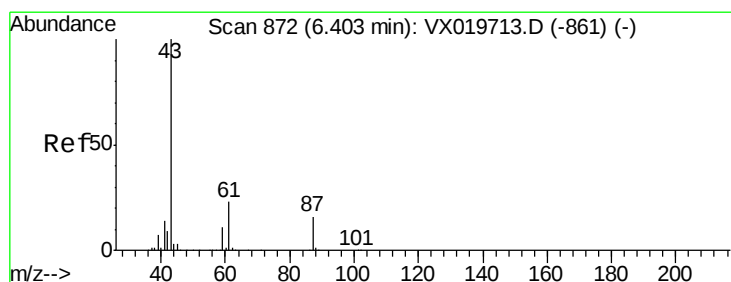
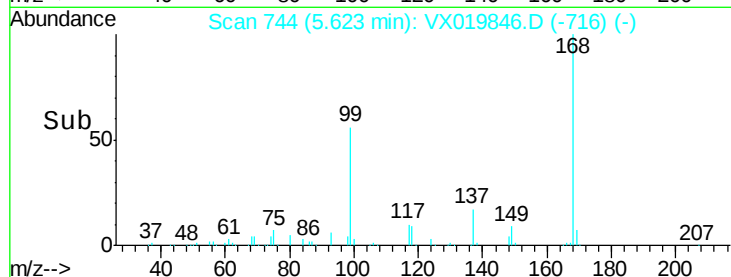
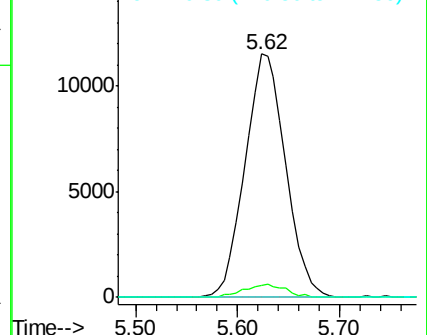
121 0.0 24.8 37.2#



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: 2.871 ug/l

RT: 6.40 min Scan# 872

Delta R.T. 0.00 min

Lab File: VX019846.D

Acq: 11 Dec 2020 00:24

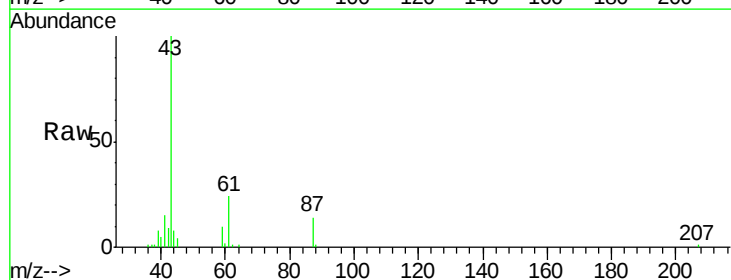
Tgt Ion: 43 Resp: 23082

Ion Ratio Lower Upper

43 100

61 22.1 18.2 27.4

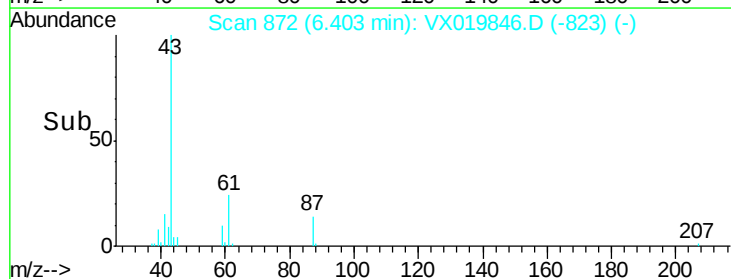
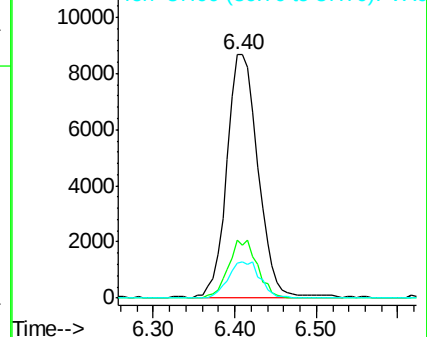
87 15.1 12.5 18.7

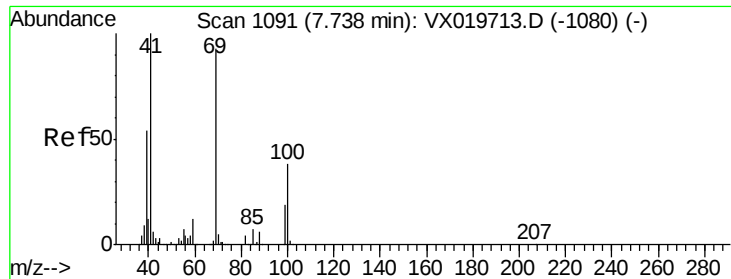


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

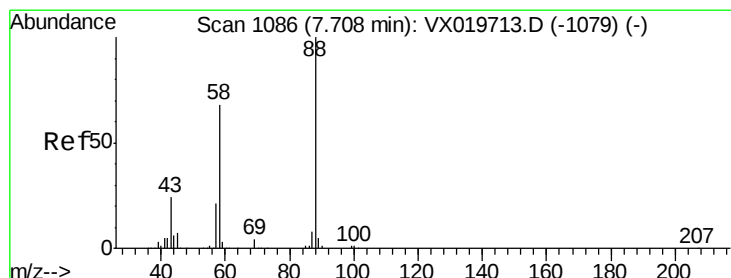
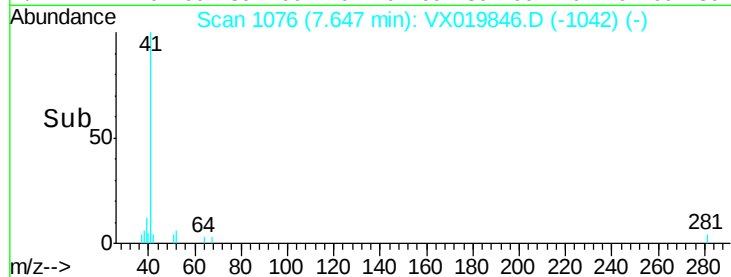
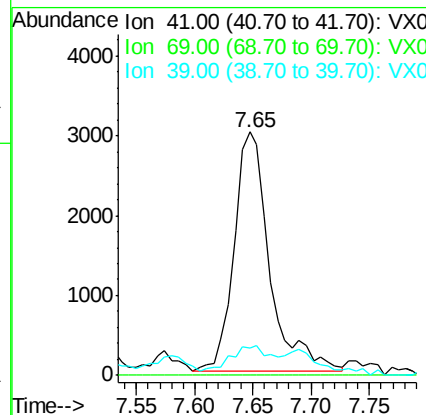
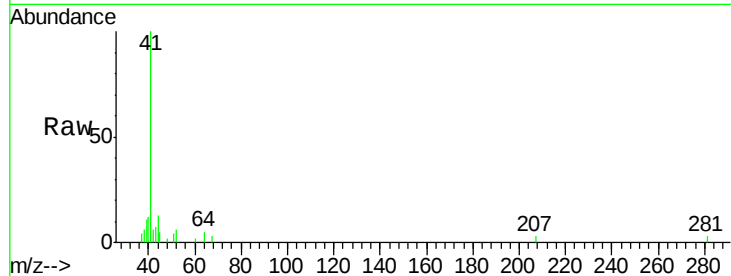




#48
Methyl methacrylate
Concen: 1.609 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

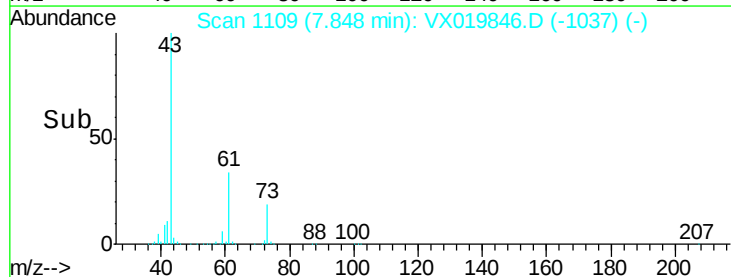
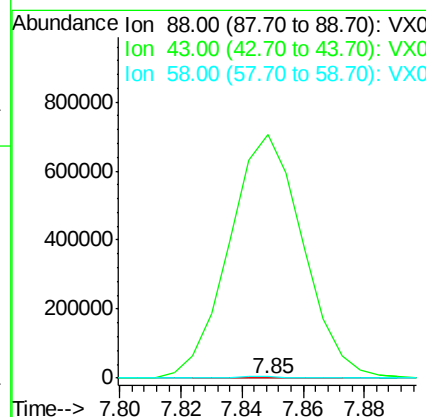
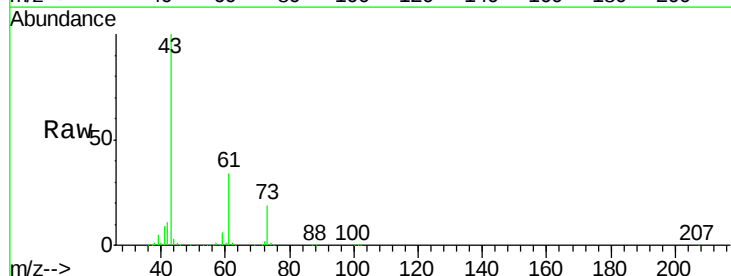
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

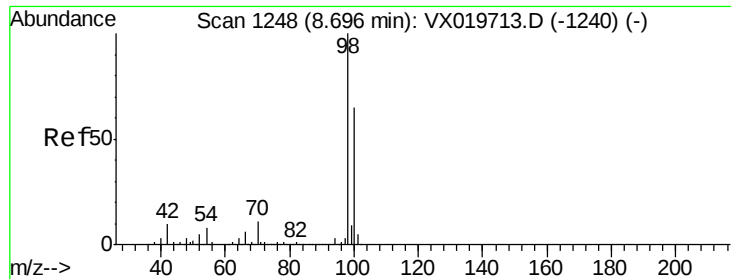
Tgt Ion: 41 Resp: 6364
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.182 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 568648.3 23.2 34.8#
58 2956.0 55.0 82.4#

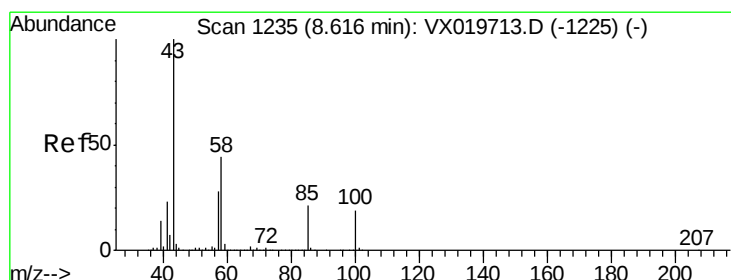
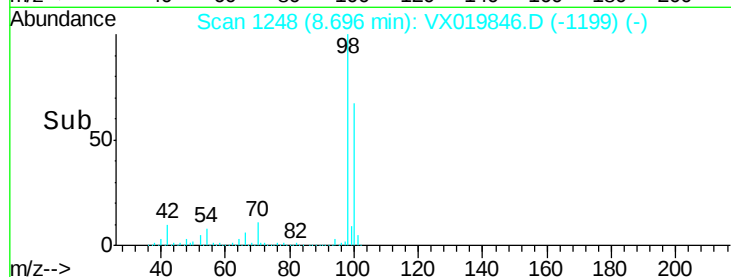
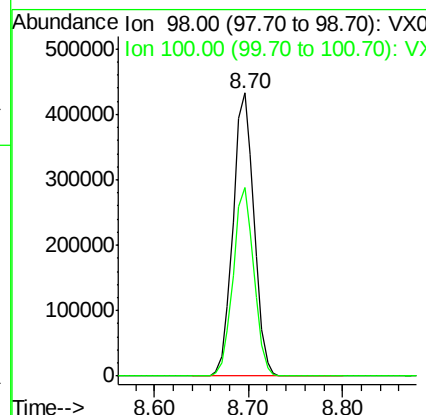
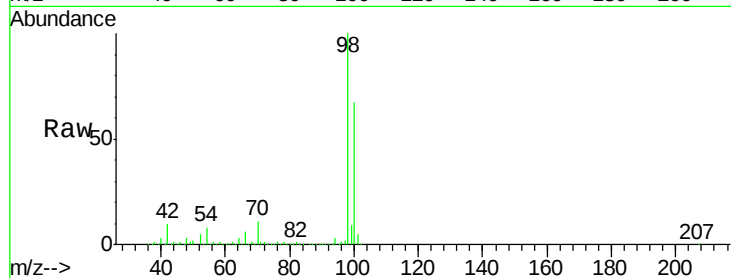




#50
Toluene-d8
Concen: 50.123 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

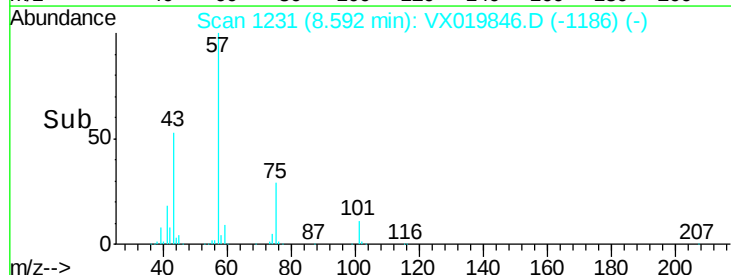
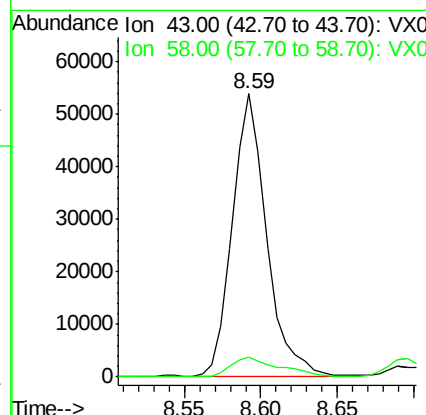
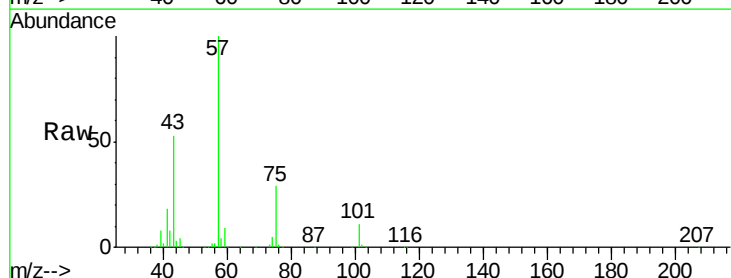
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

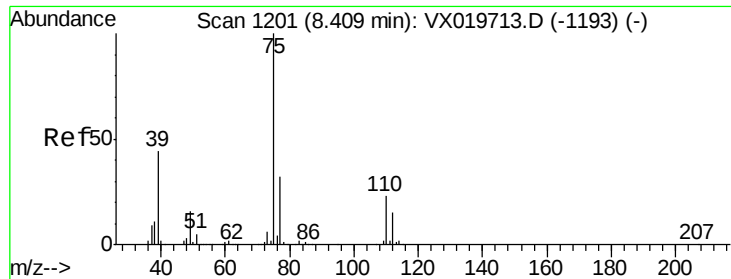
Tgt Ion: 98 Resp: 670311
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 16.942 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion: 43 Resp: 83160
Ion Ratio Lower Upper
43 100
58 10.1 35.4 53.0#



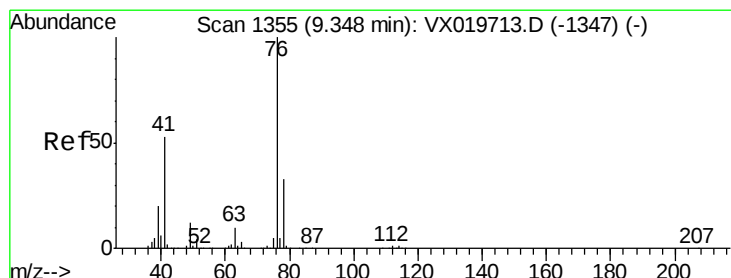
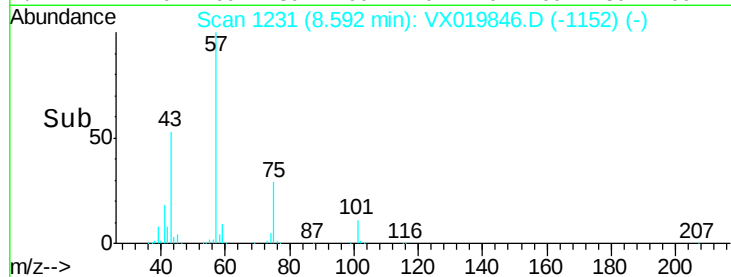
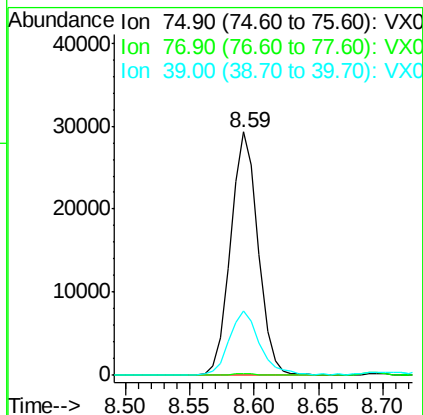
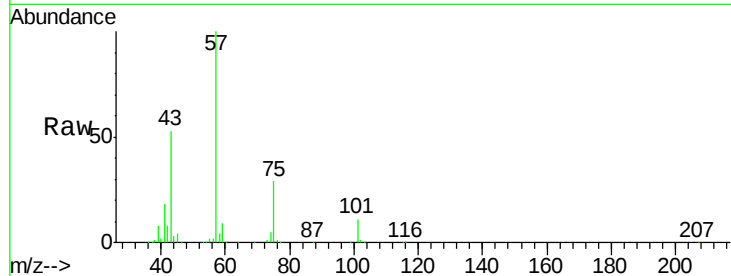


#54

cis-1,3-Dichloropropene
 Concen: 7.215 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019846.D
 Acq: 11 Dec 2020 00:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TR1-A-BOTTOM

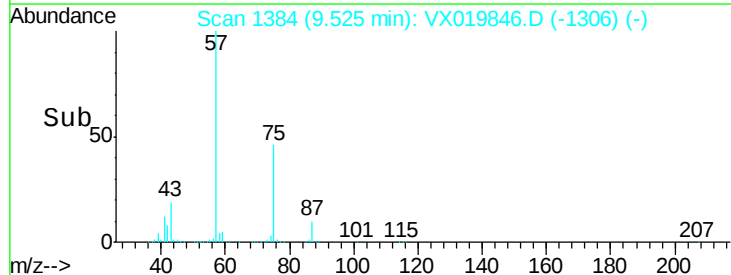
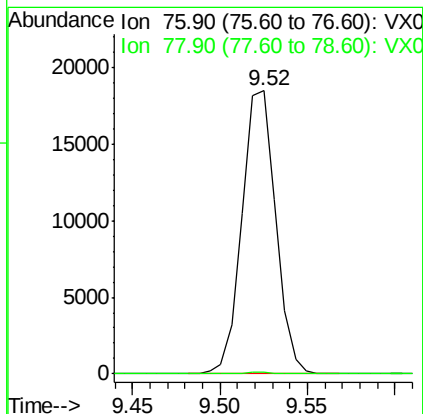
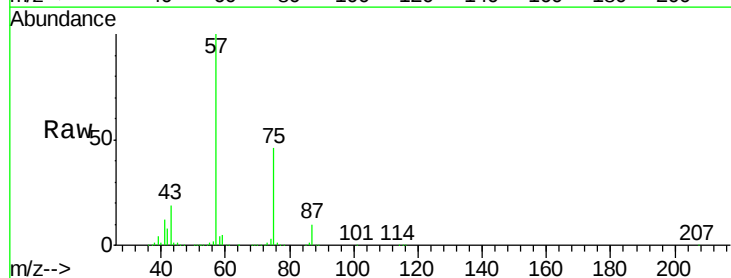
Tgt Ion: 75 Resp: 43585
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 26.5 35.1 52.7#

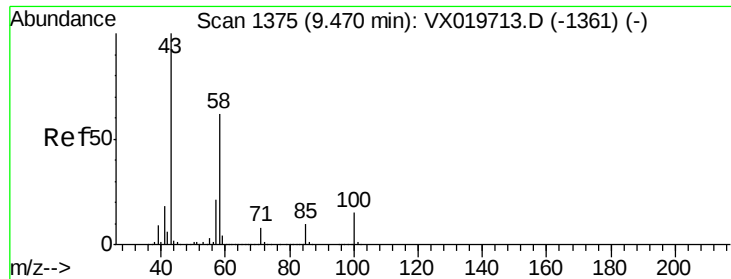


#57

1,3-Dichloropropane
 Concen: 3.853 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019846.D
 Acq: 11 Dec 2020 00:24

Tgt Ion: 76 Resp: 24809
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

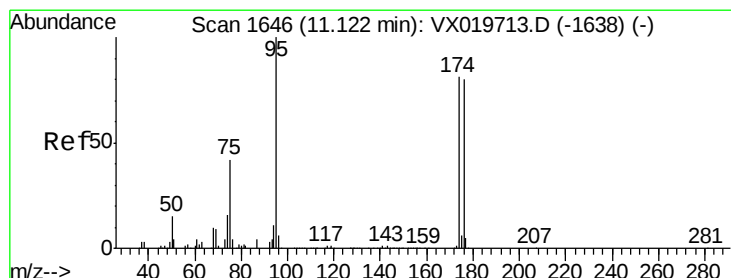
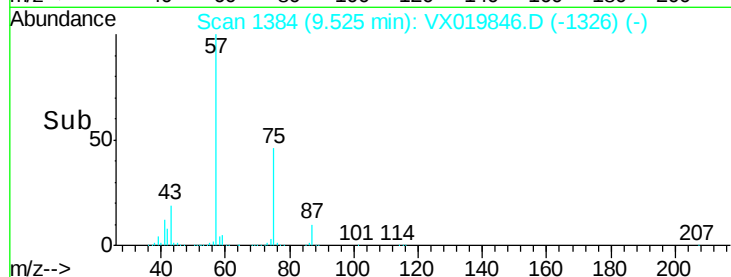
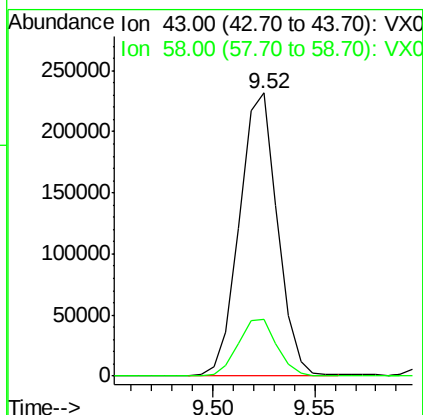
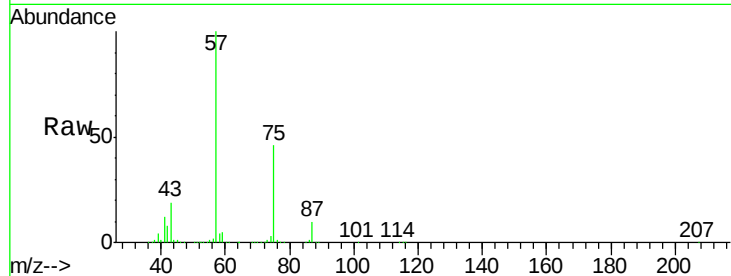




#59
2-Hexanone
Concen: 78.557 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

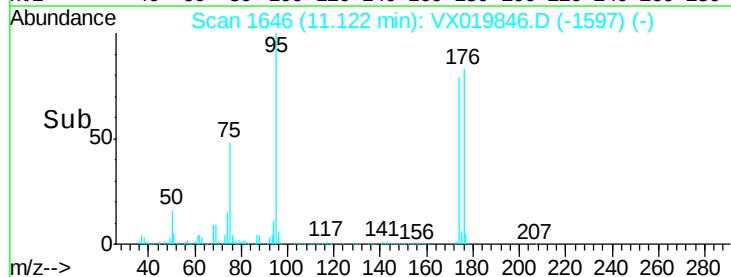
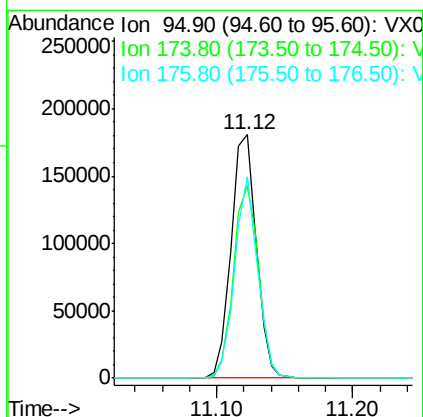
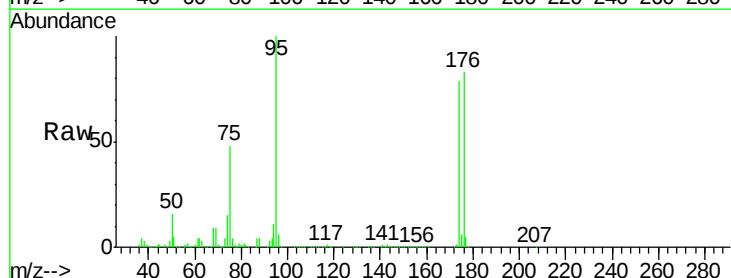
Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

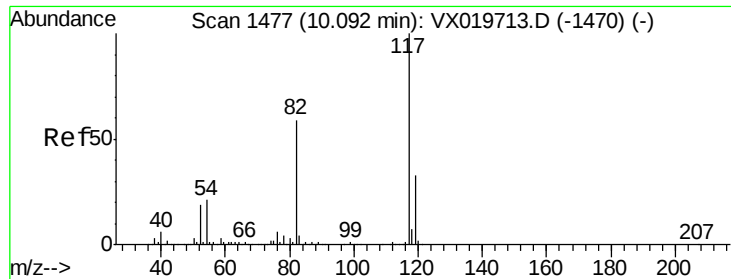
Tgt Ion: 43 Resp: 298893
Ion Ratio Lower Upper
43 100
58 20.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.908 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion: 95 Resp: 233676
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 75.5 0.0 155.8

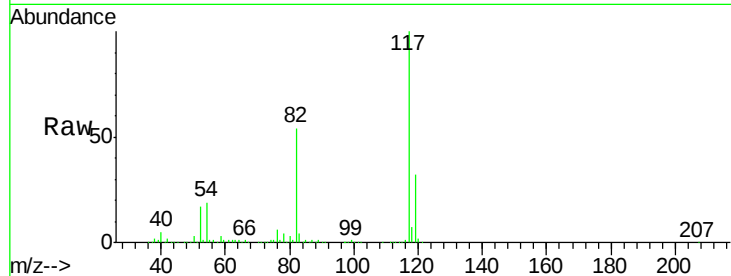




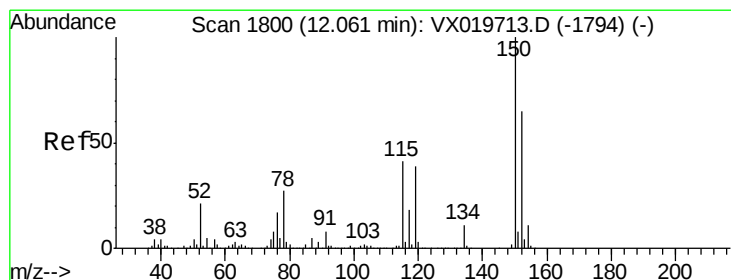
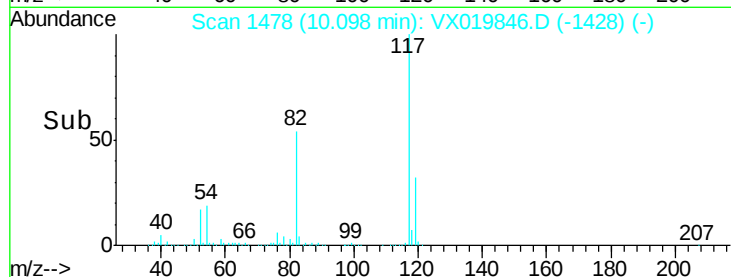
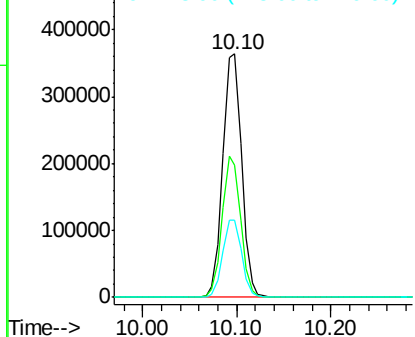
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Instrument :
MSVOA_X
ClientSampleId :
TR1-A-BOTTOM

Tgt Ion:117 Resp: 506993
Ion Ratio Lower Upper
117 100
82 54.1 47.4 71.2
119 31.8 26.6 39.8

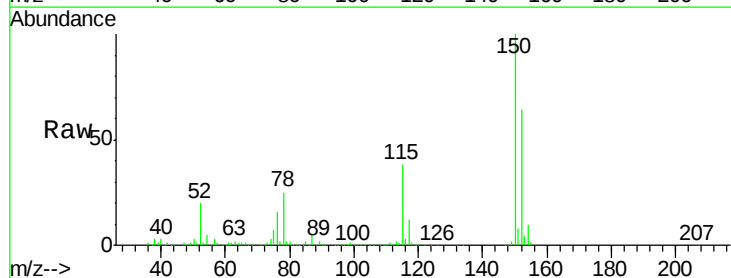


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

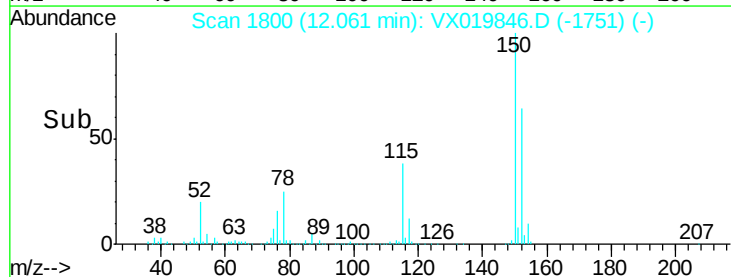
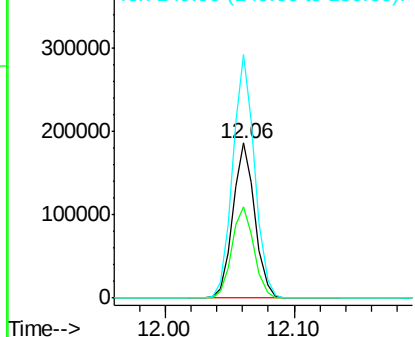


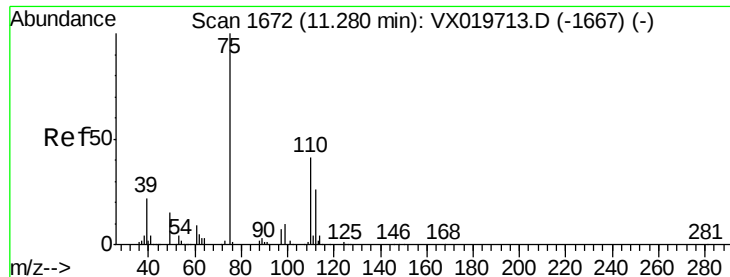
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019846.D
Acq: 11 Dec 2020 00:24

Tgt Ion:152 Resp: 220521
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 157.0 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.119 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019846.D

Acq: 11 Dec 2020 00:24

Instrument :

MSVOA_X

ClientSampleId :

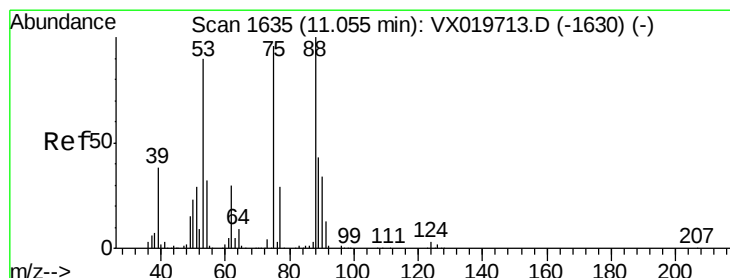
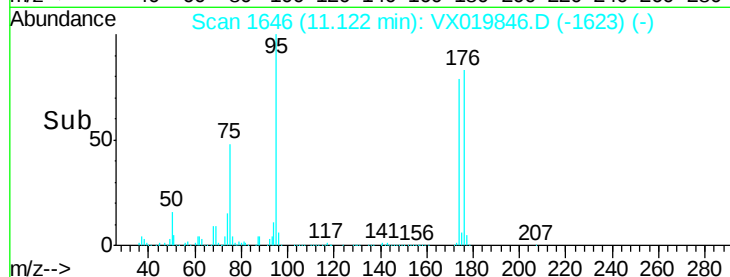
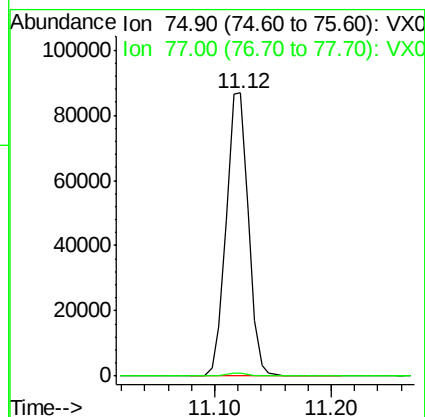
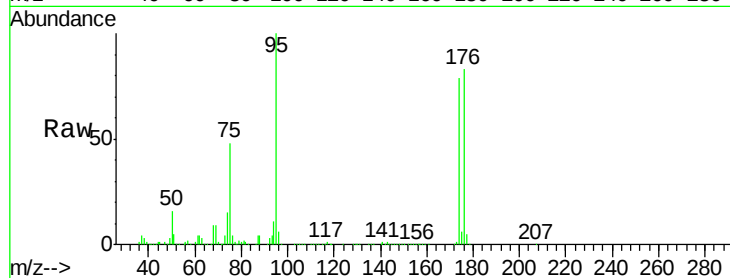
TR1-A-BOTTOM

Tgt Ion: 75 Resp: 114343

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.832 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019846.D

Acq: 11 Dec 2020 00:24

Tgt Ion: 75 Resp: 114343

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

