

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019855.D
 Acq On : 11 Dec 2020 03:53
 Operator : JC/MD
 Sample : L4983-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-B-TOP

Quant Time: Dec 11 05:38:59 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	323835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	537015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	501370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	204681	48.09	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.18%
35) Dibromofluoromethane	5.46	113	166398	47.94	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.88%
50) Toluene-d8	8.70	98	660668	49.86	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.72%
62) 4-Bromofluorobenzene	11.12	95	227024	45.02	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.04%

Target Compounds

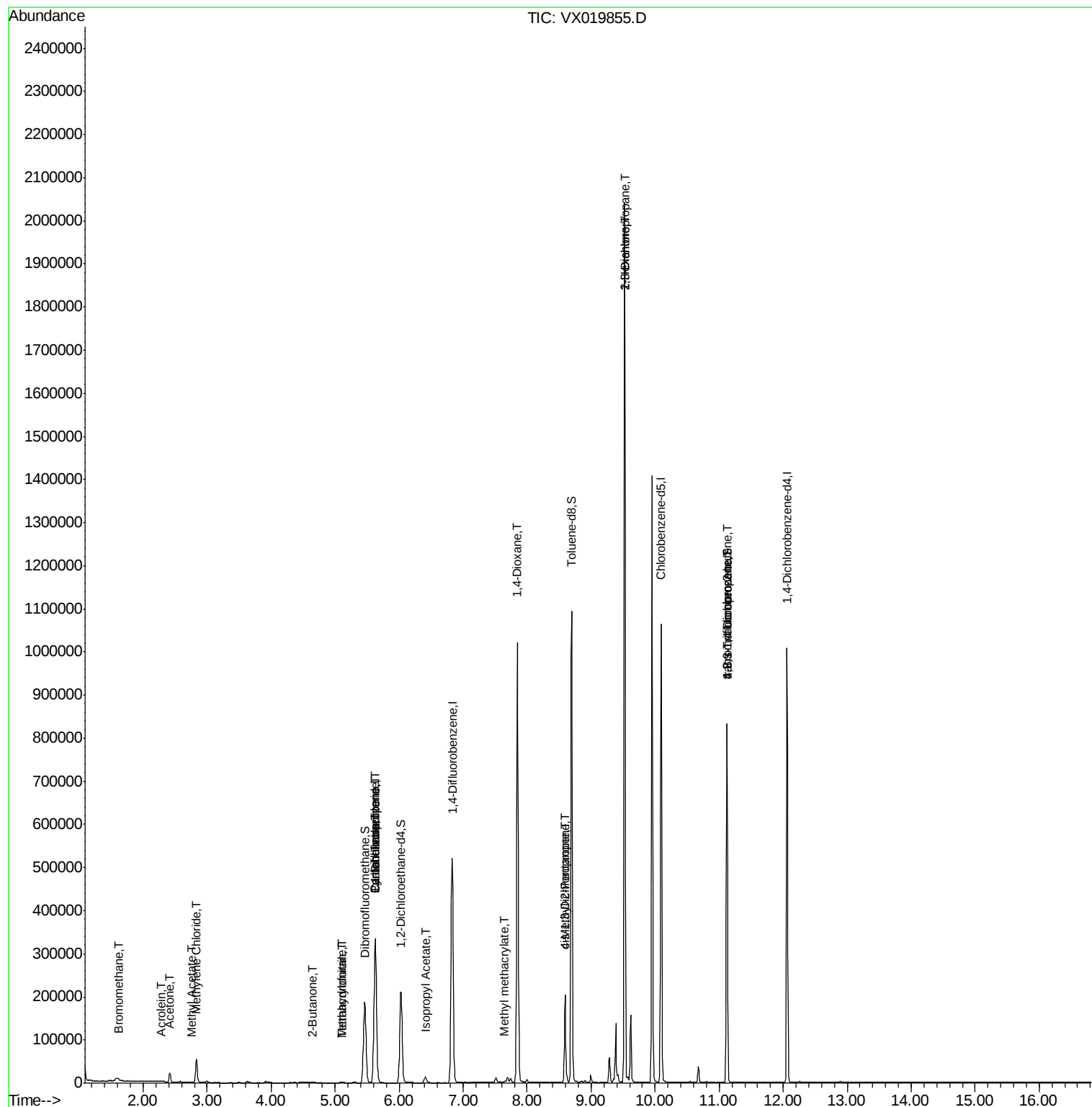
					Qvalue
5) Bromomethane	1.62	94	468	0.383 ug/l #	78
13) Acrolein	2.28	56	172	0.366 ug/l #	14
16) Acetone	2.42	43	22531	14.084 ug/l	100
18) Methyl Acetate	2.75	43	2075	0.530 ug/l	96
20) Methylene Chloride	2.83	84	26497	6.004 ug/l	97
25) 2-Butanone	4.64	43	3199	1.301 ug/l	98
29) Tetrahydrofuran	5.11	42	1071	0.676 ug/l #	42
31) Cyclohexane	5.62	56	6180	1.167 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24749	5.100 ug/l #	49
38) Carbon Tetrachloride	5.63	117	31805	6.693 ug/l #	16
41) Methacrylonitrile	5.11	41	546	0.203 ug/l #	34
43) Isopropyl Acetate	6.41	43	17954	2.254 ug/l	99
48) Methyl methacrylate	7.65	41	5011	1.279 ug/l #	10
49) 1,4-Dioxane	7.84	88	205	2.160 ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	64862	13.337 ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	33553	5.606 ug/l #	60
57) 1,3-Dichloropropane	9.52	76	18000	2.822 ug/l #	43
59) 2-Hexanone	9.52	43	224757	59.622 ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	110111	23.666 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	110111	68.415 ug/l #	12

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

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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: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampled :

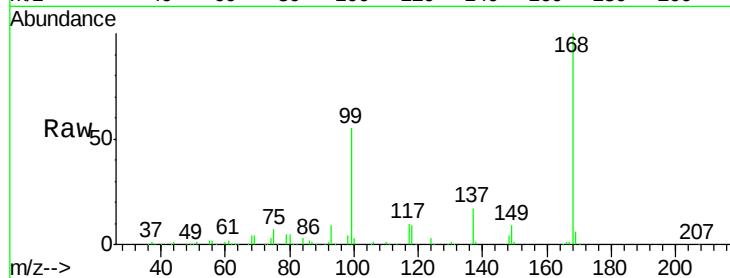
TR2-B-TOP

Tgt Ion:168 Resp: 323835

Ion Ratio Lower Upper

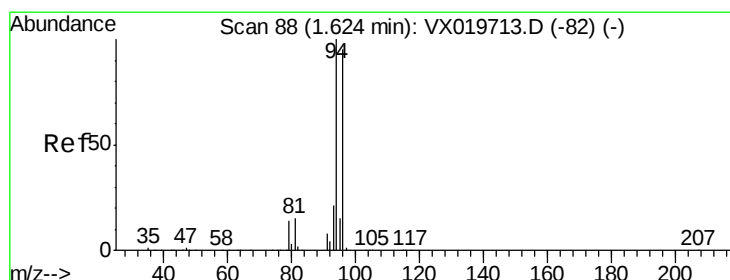
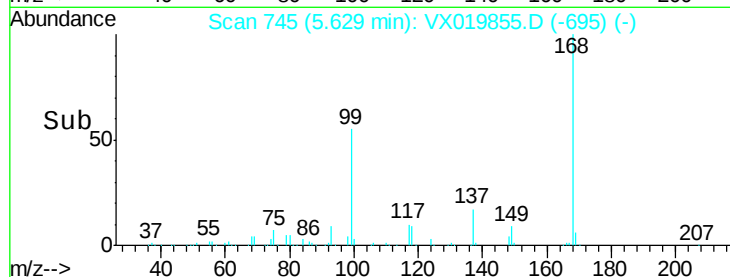
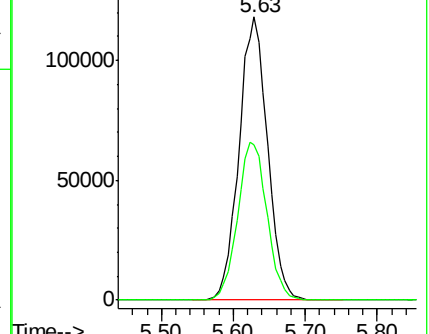
168 100

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: 0.383 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019855.D

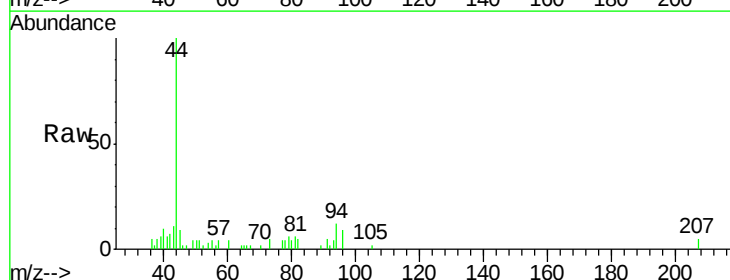
Acq: 11 Dec 2020 03:53

Tgt Ion: 94 Resp: 468

Ion Ratio Lower Upper

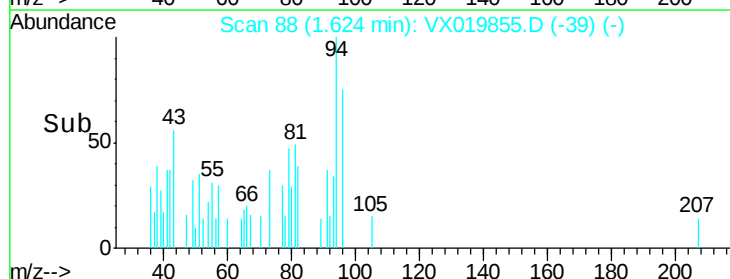
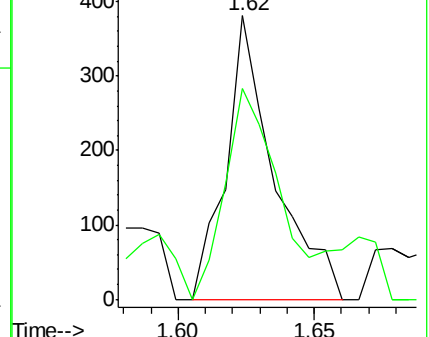
94 100

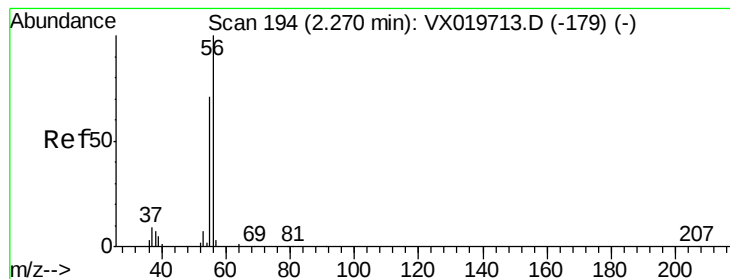
96 74.5 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#13

Acrolein

Concen: 0.366 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampleId :

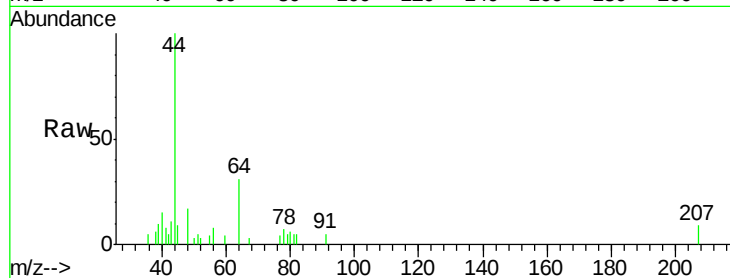
TR2-B-TOP

Tgt Ion: 56 Resp: 172

Ion Ratio Lower Upper

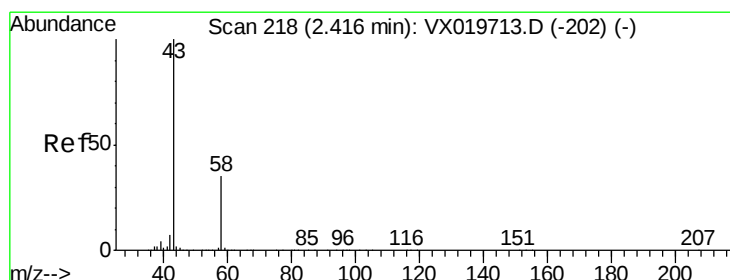
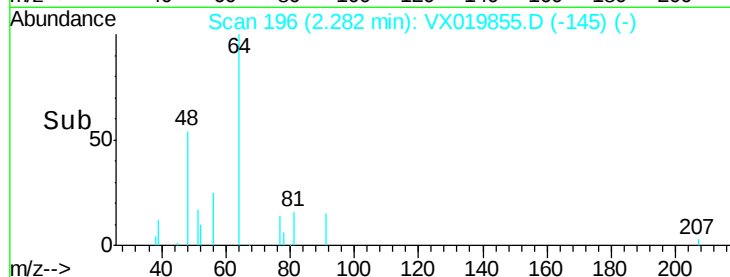
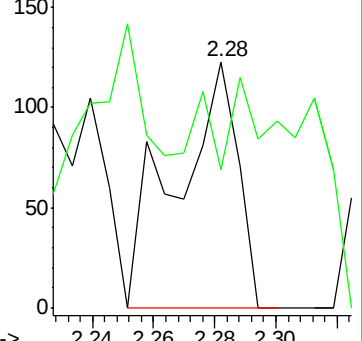
56 100

55 0.0 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: 14.084 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019855.D

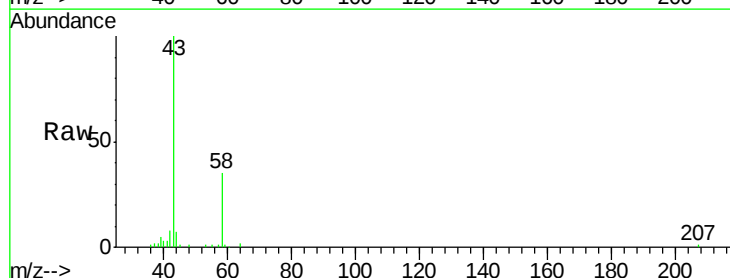
Acq: 11 Dec 2020 03:53

Tgt Ion: 43 Resp: 22531

Ion Ratio Lower Upper

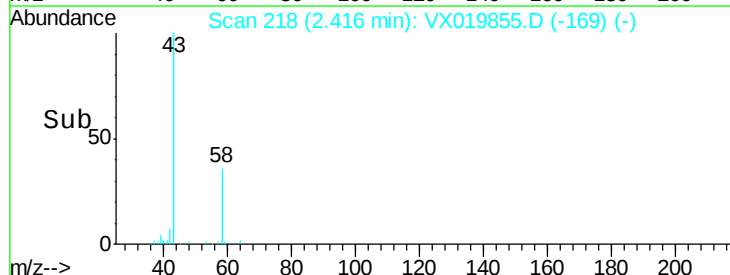
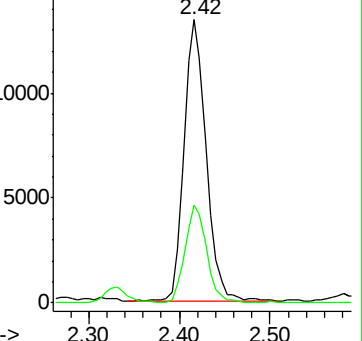
43 100

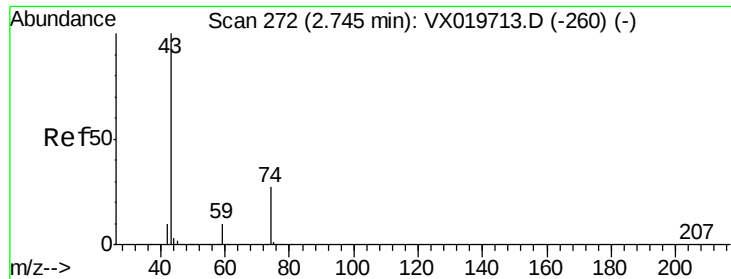
58 34.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

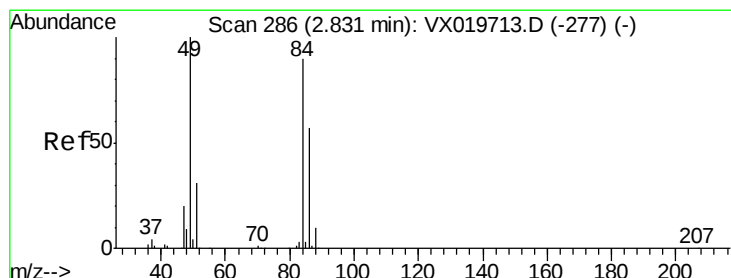
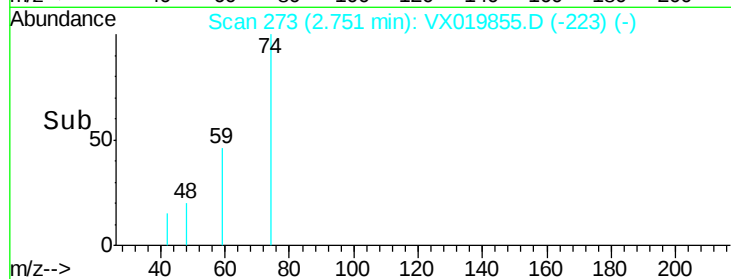
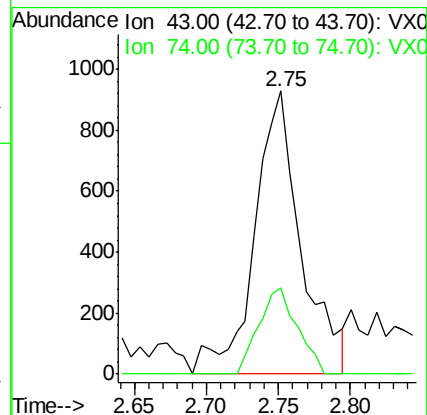
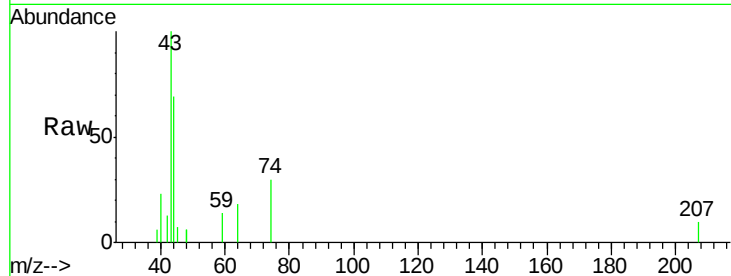




#18
Methyl Acetate
Concen: 0.530 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

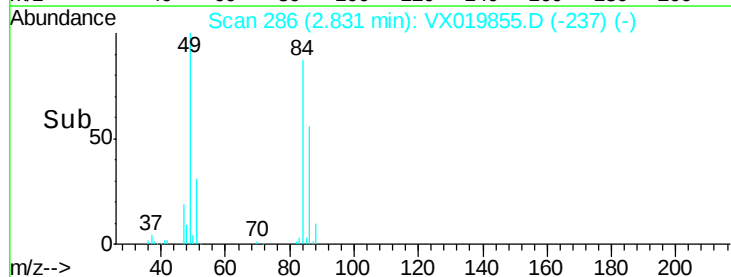
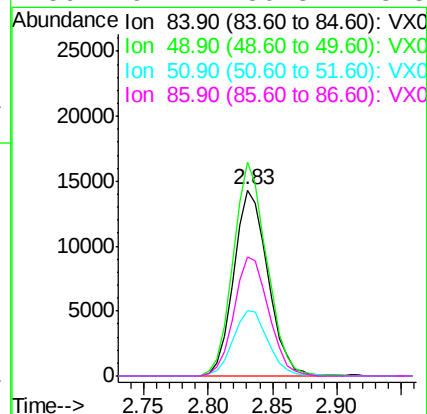
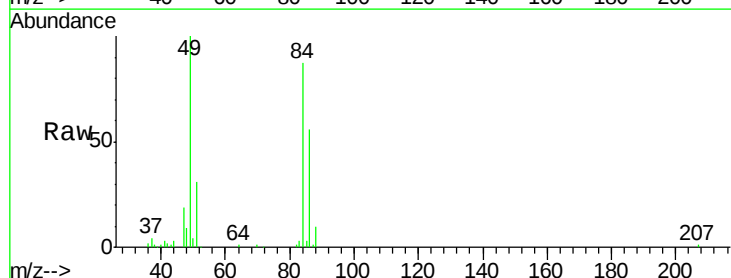
Instrument :
MSVOA_X
ClientSampled :
TR2-B-TOP

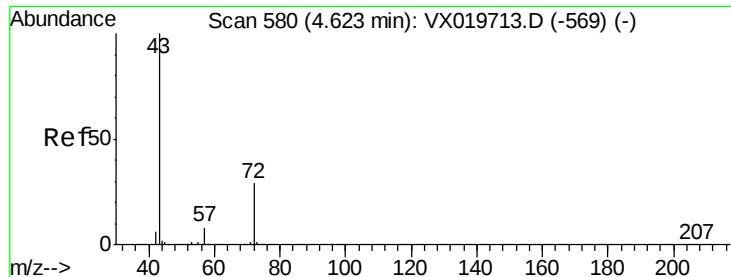
Tgt Ion: 43 Resp: 2075
Ion Ratio Lower Upper
43 100
74 25.1 21.9 32.9



#20
Methylene Chloride
Concen: 6.004 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Tgt Ion: 84 Resp: 26497
Ion Ratio Lower Upper
84 100
49 114.9 88.6 132.8
51 35.5 27.0 40.6
86 64.2 50.3 75.5





#25

2-Butanone

Concen: 1.301 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampleId :

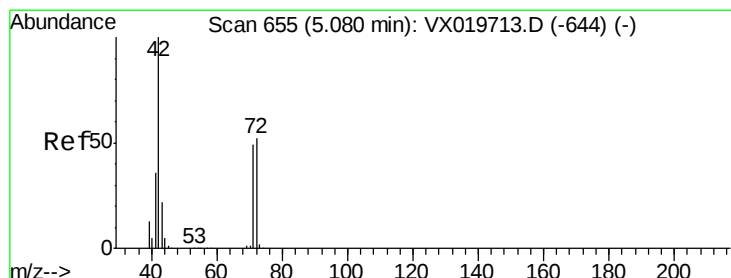
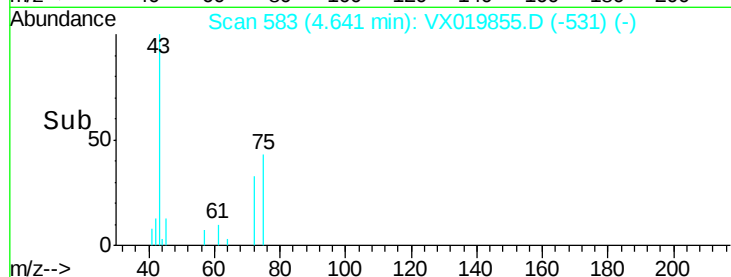
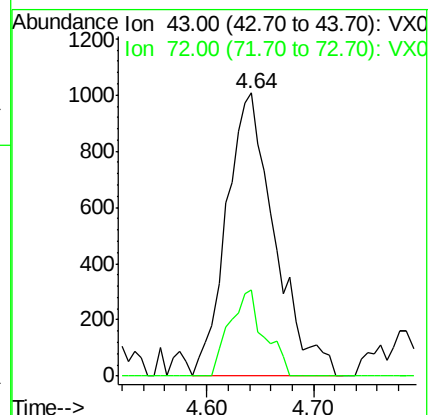
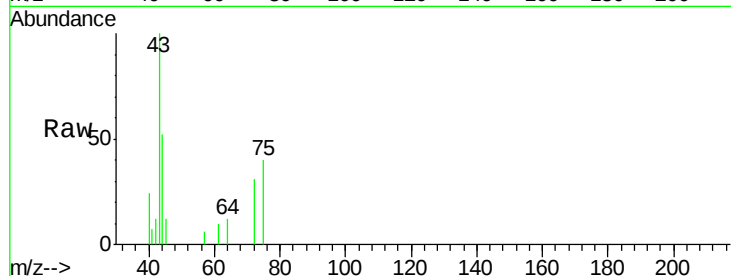
TR2-B-TOP

Tgt Ion: 43 Resp: 3199

Ion Ratio Lower Upper

43 100

72 30.6 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.676 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.03 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

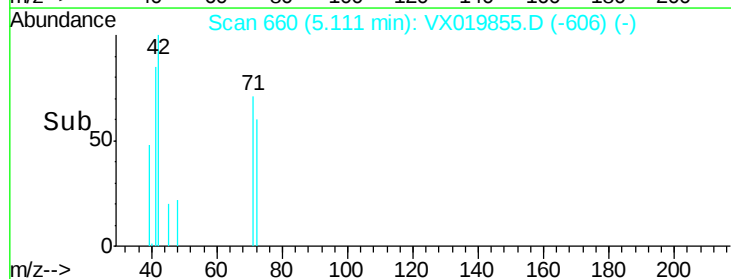
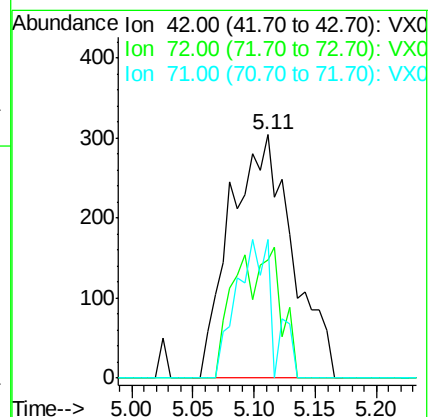
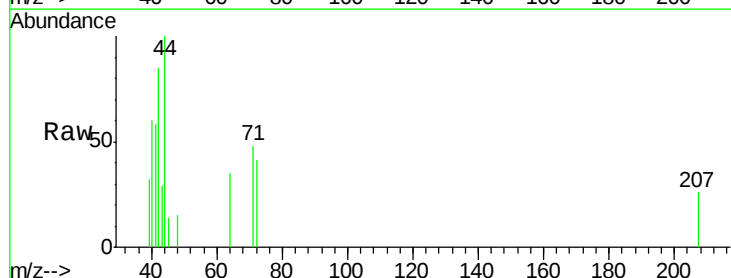
Tgt Ion: 42 Resp: 1071

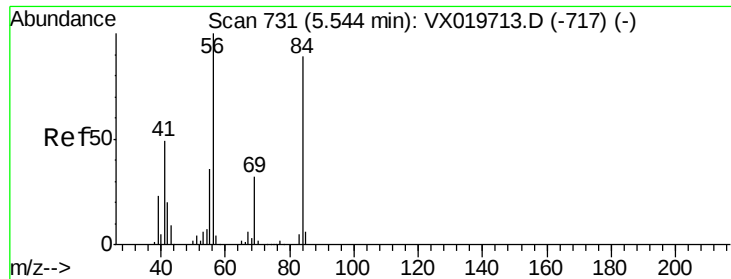
Ion Ratio Lower Upper

42 100

72 20.3 41.7 62.5#

71 0.0 38.4 57.6#

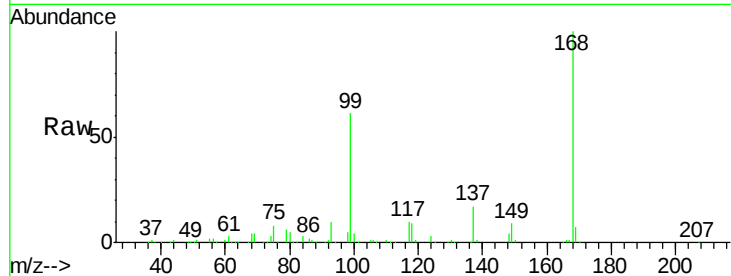




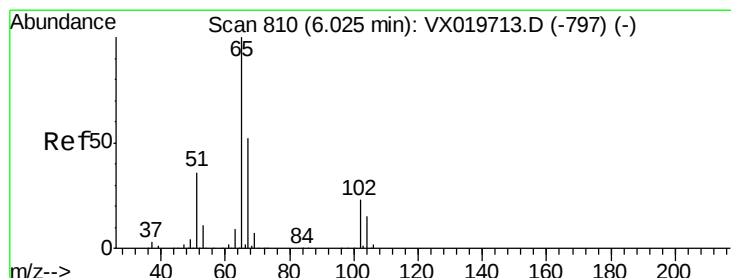
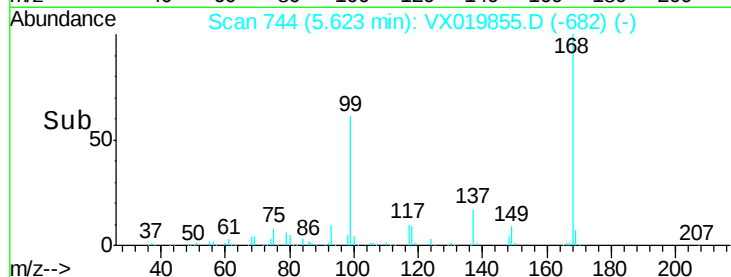
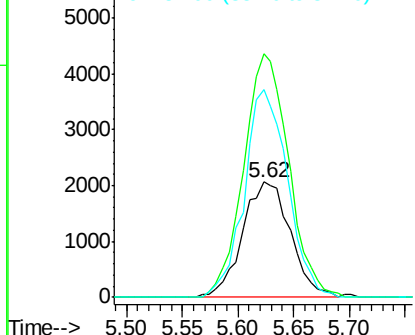
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Instrument :
MSVOA_X
ClientSampled :
TR2-B-TOP

Tgt Ion: 56 Resp: 6180
Ion Ratio Lower Upper
56 100
69 211.4 25.3 37.9#
84 180.3 71.4 107.0#

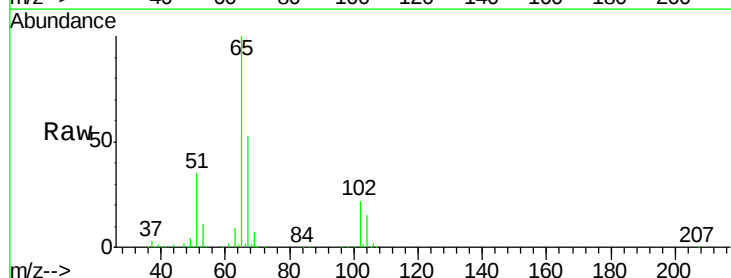


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

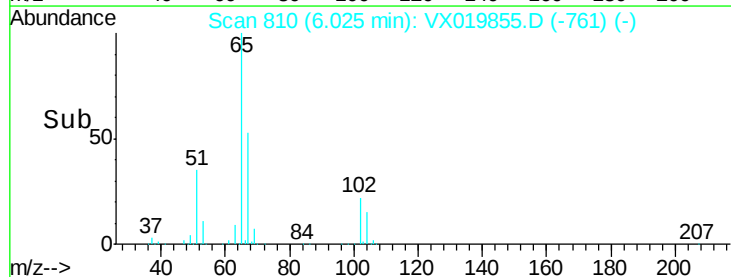
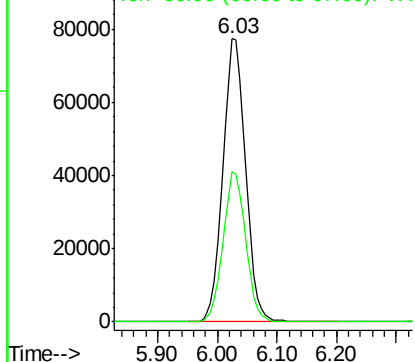


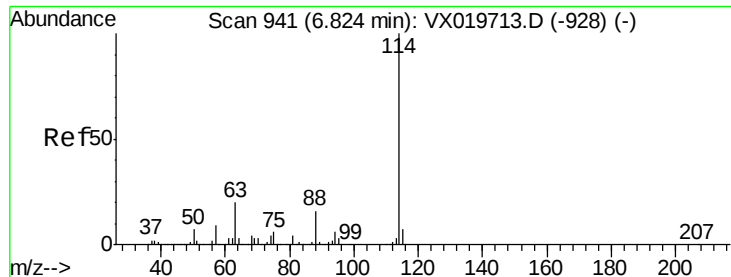
#33
1,2-Dichloroethane-d4
Concen: 48.091 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.00 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Tgt Ion: 65 Resp: 204681
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampleId :

TR2-B-TOP

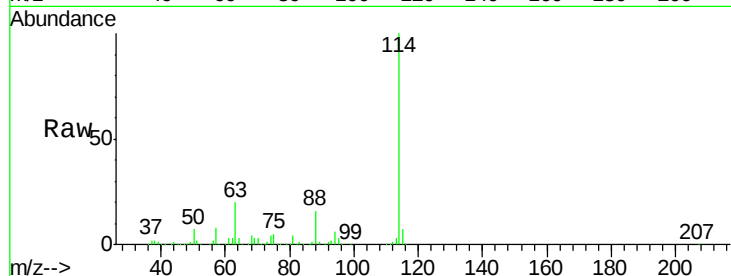
Tgt Ion:114 Resp: 537015

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.9 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

300000

250000

200000

150000

100000

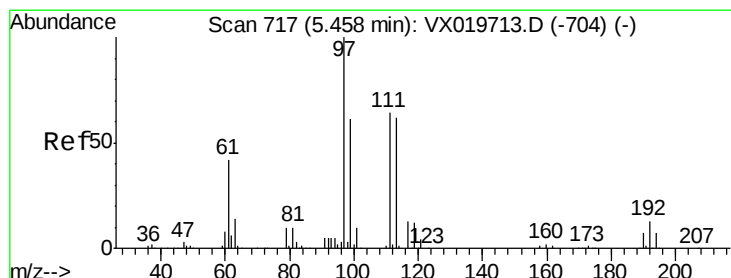
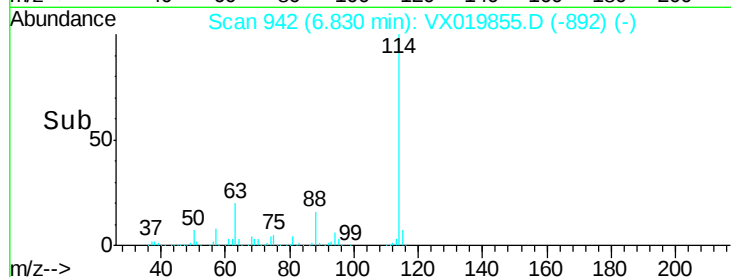
50000

0

6.83

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 47.944 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

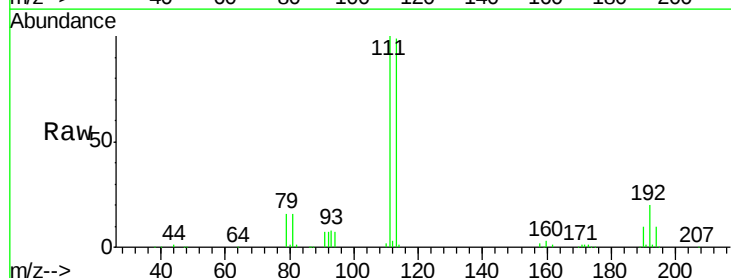
Tgt Ion:113 Resp: 166398

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 20.0 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

80000

60000

40000

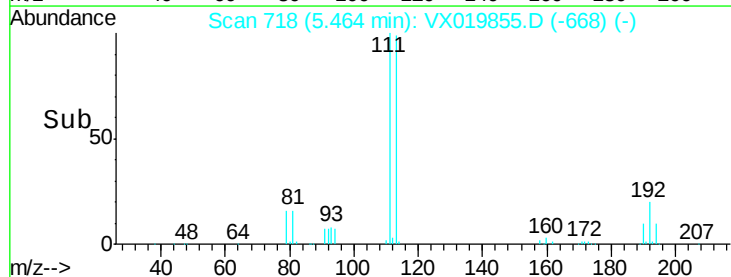
20000

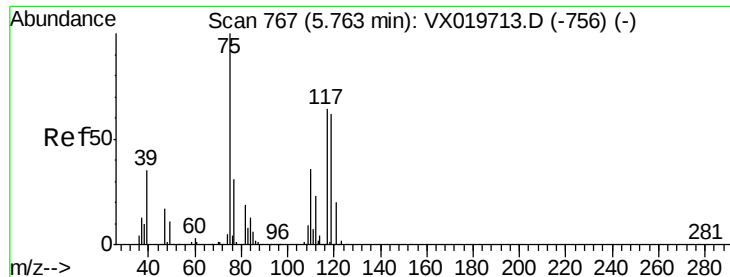
0

5.46

5.30 5.40 5.50 5.60

Time-->

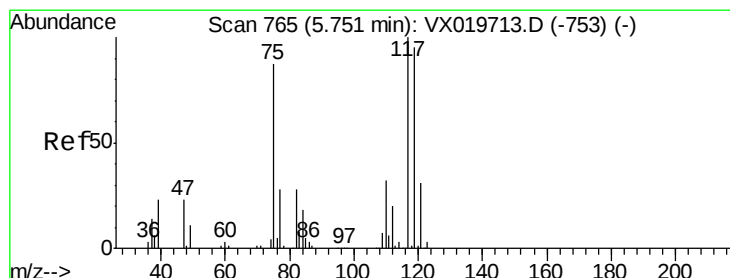
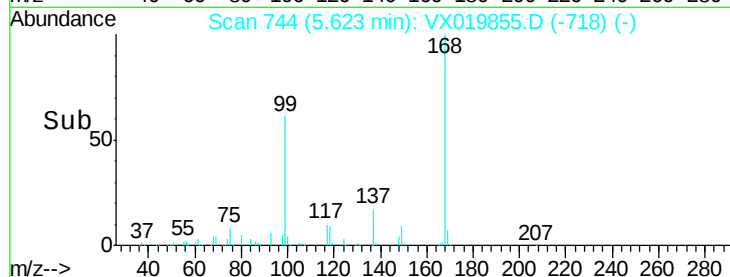
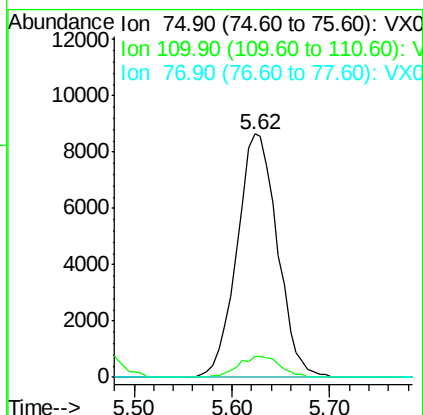
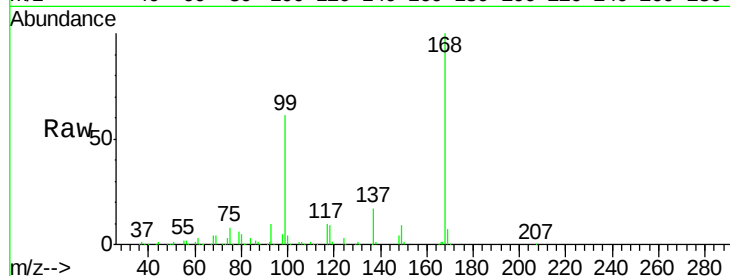




#36
 1,1-Dichloropropene
 Concen: 5.100 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019855.D
 Acq: 11 Dec 2020 03:53

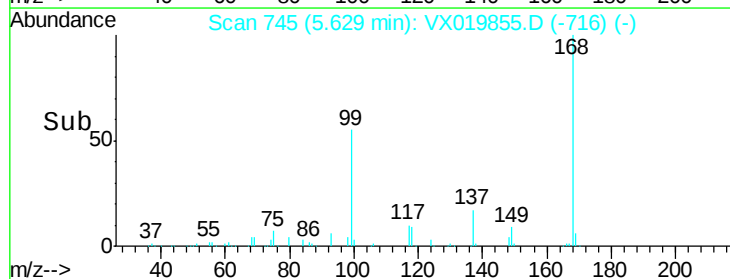
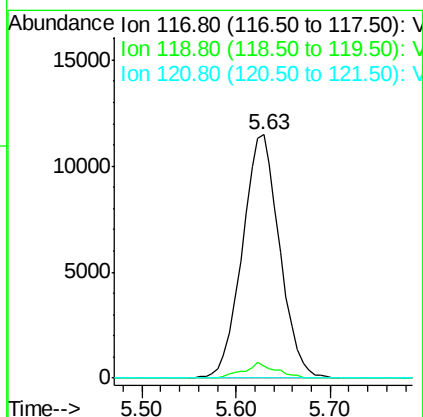
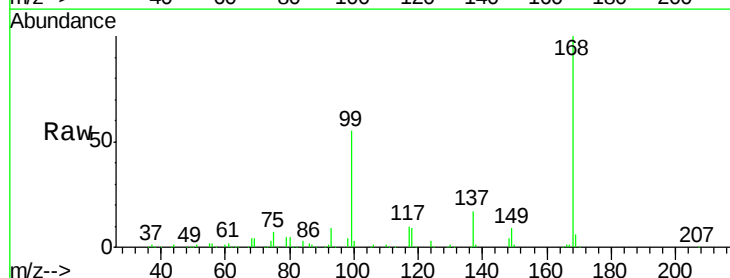
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-B-TOP

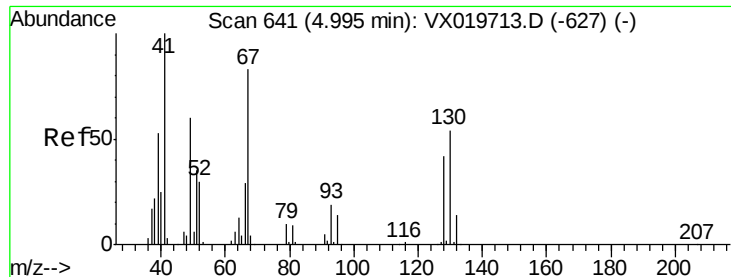
Tgt Ion: 75 Resp: 24749
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.693 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019855.D
 Acq: 11 Dec 2020 03:53

Tgt Ion: 117 Resp: 31805
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.2 114.2#
 121 0.0 24.8 37.2#





#41

Methacrylonitrile

Concen: 0.203 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.12 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampled :

TR2-B-TOP

Tgt Ion: 41 Resp: 546

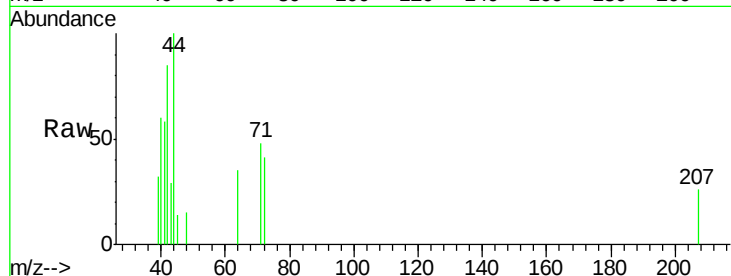
Ion Ratio Lower Upper

41 100

39 76.0 42.5 63.7#

67 0.0 65.0 97.6#

52 0.0 25.3 37.9#

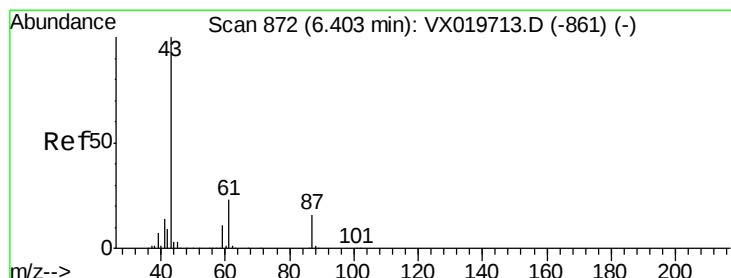
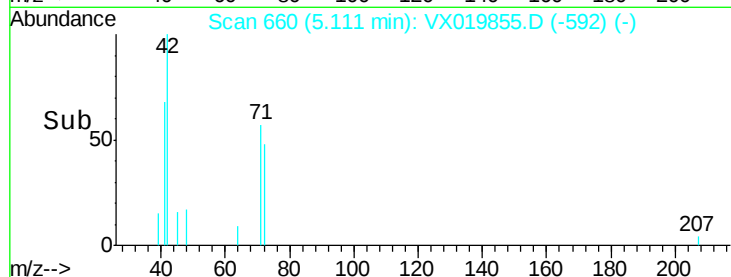
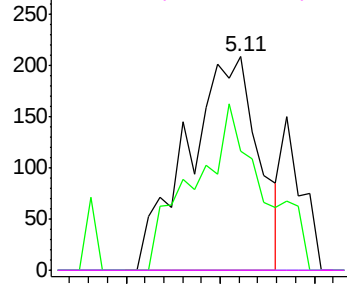


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 2.254 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

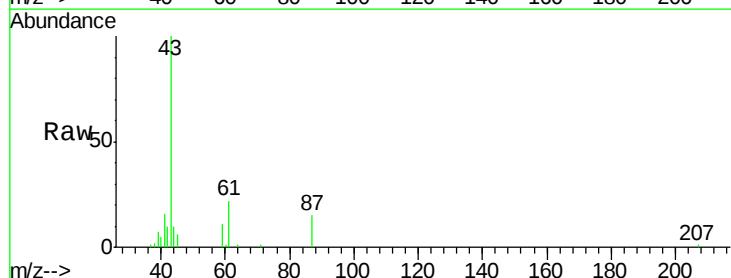
Tgt Ion: 43 Resp: 17954

Ion Ratio Lower Upper

43 100

61 22.4 18.2 27.4

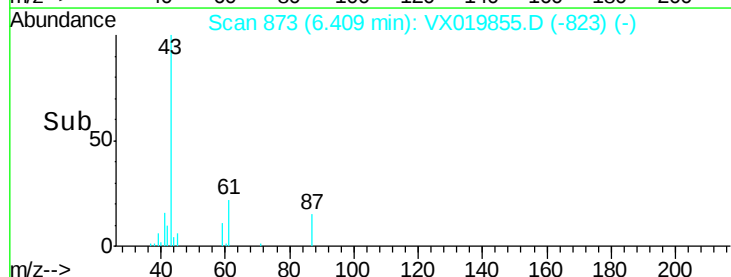
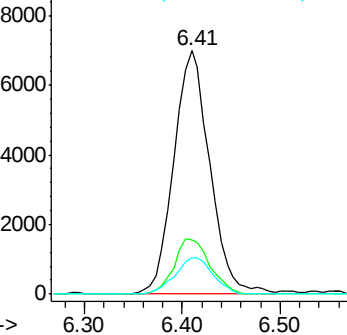
87 15.4 12.5 18.7

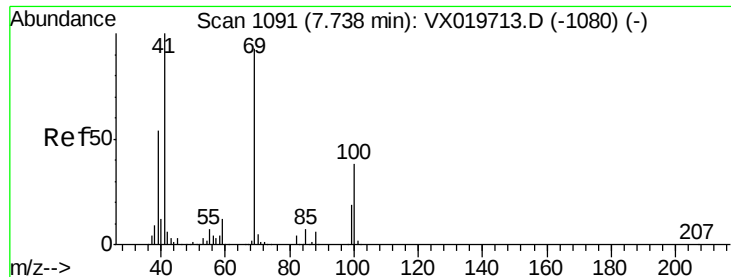


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

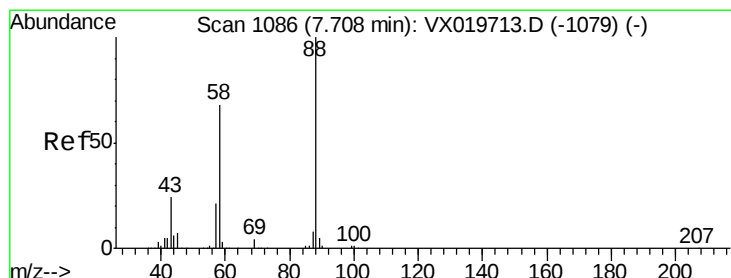
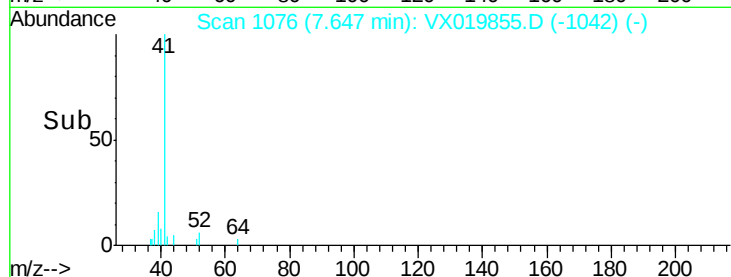
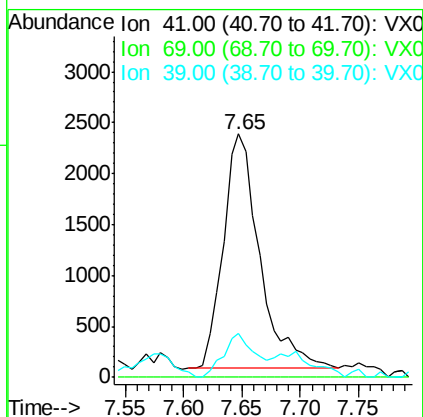
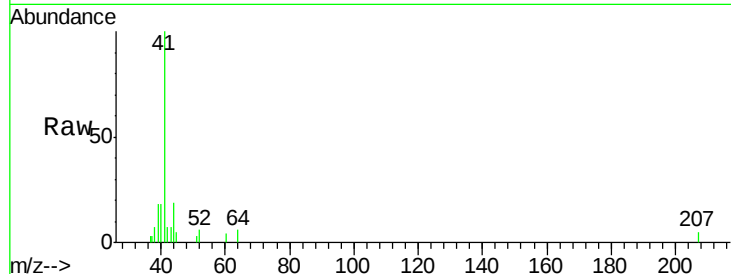




#48
Methyl methacrylate
Concen: 1.279 ug/l
RT: 7.65 min Scan# 1076
Delta R.T. -0.09 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

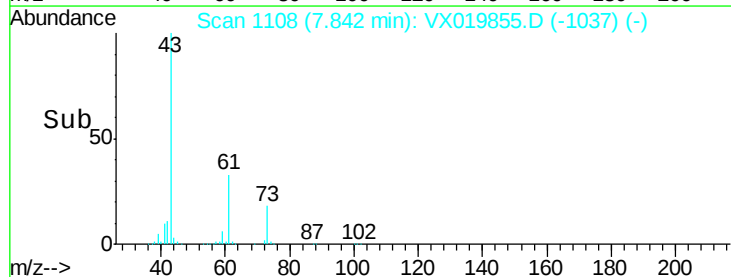
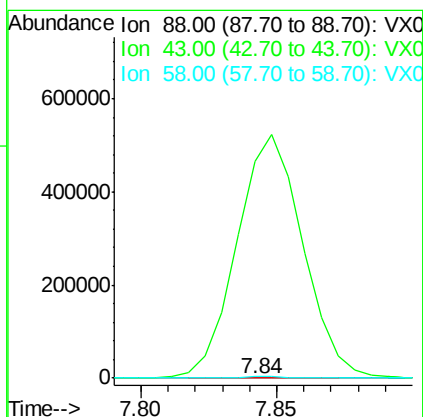
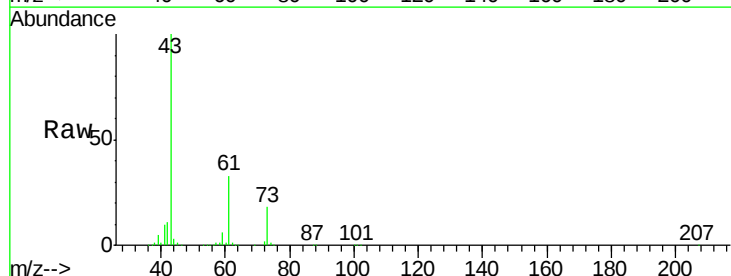
Instrument :
MSVOA_X
ClientSampled :
TR2-B-TOP

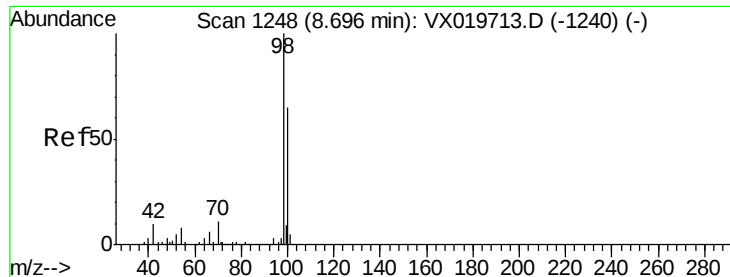
Tgt Ion: 41 Resp: 5011
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.160 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Tgt Ion: 88 Resp: 205
Ion Ratio Lower Upper
88 100
43 431142.0 23.2 34.8#
58 2369.8 55.0 82.4#





#50

Toluene-d8

Concen: 49.862 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampleId :

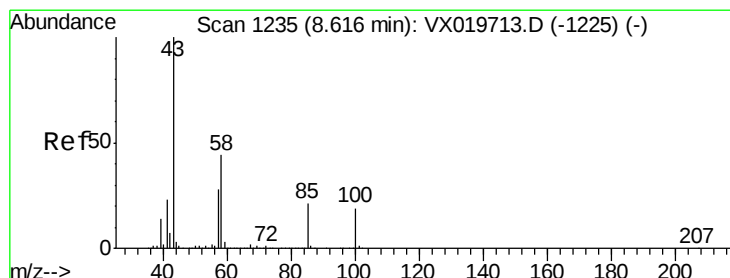
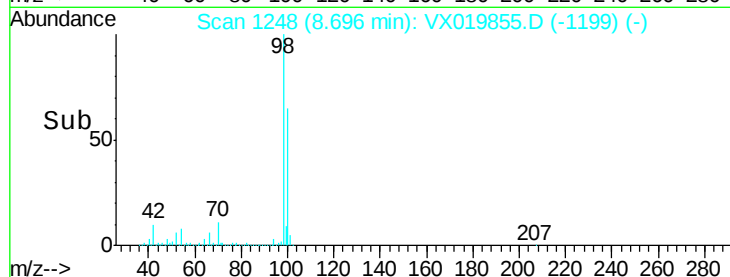
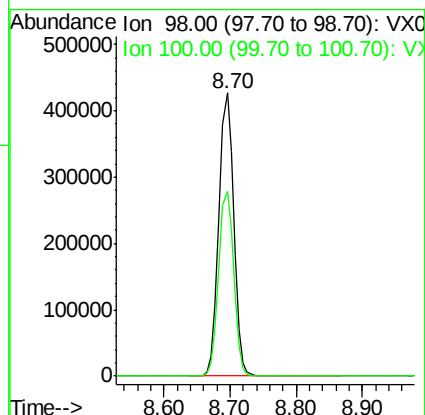
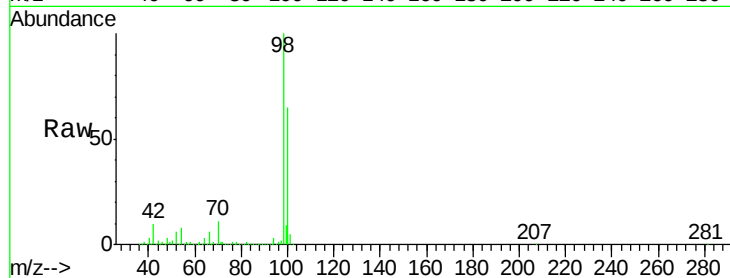
TR2-B-TOP

Tgt Ion: 98 Resp: 660668

Ion Ratio Lower Upper

98 100

100 66.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 13.337 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019855.D

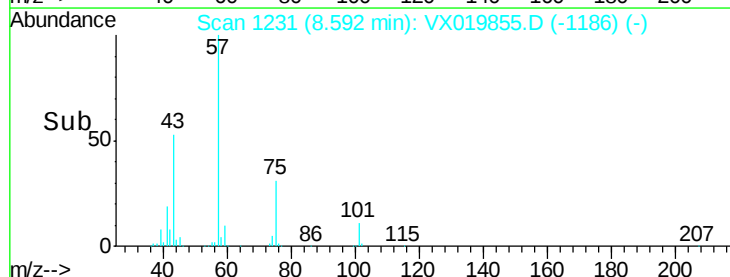
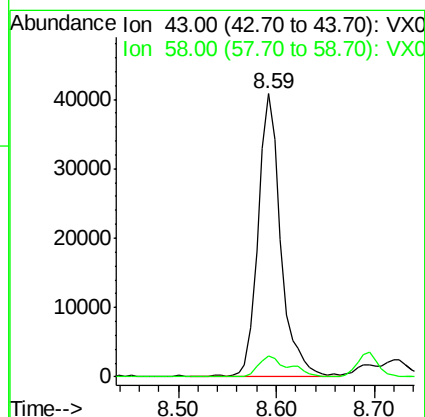
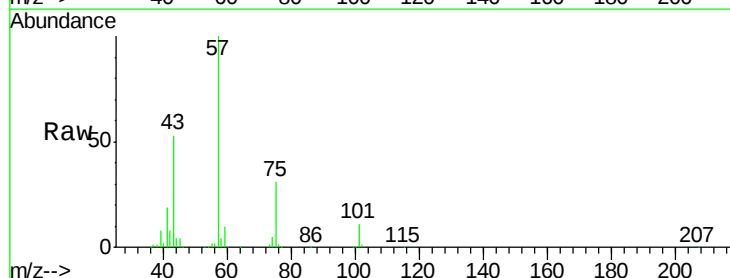
Acq: 11 Dec 2020 03:53

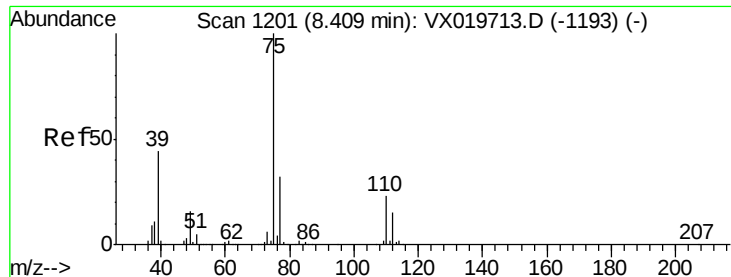
Tgt Ion: 43 Resp: 64862

Ion Ratio Lower Upper

43 100

58 10.3 35.4 53.0#



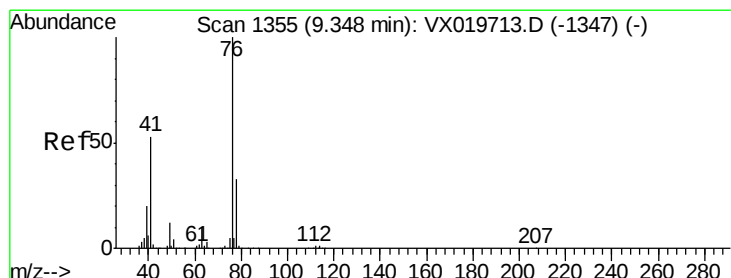
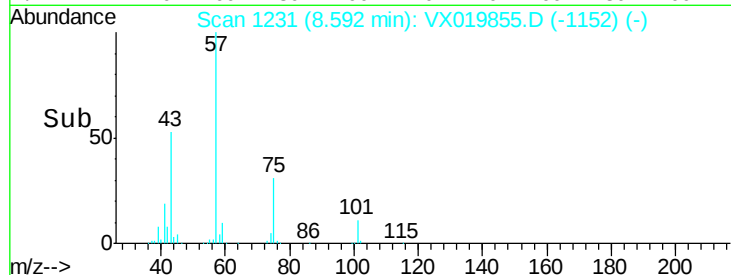
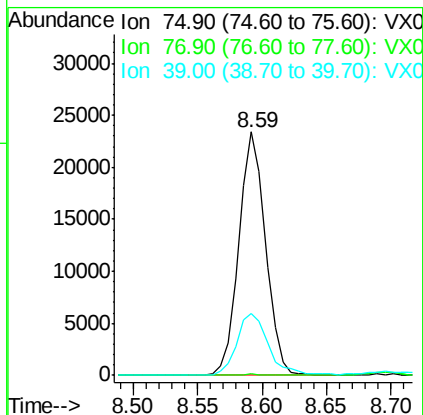
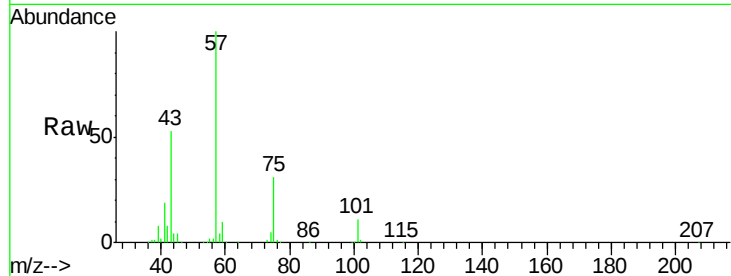


#54

cis-1,3-Dichloropropene
 Concen: 5.606 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019855.D
 Acq: 11 Dec 2020 03:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-B-TOP

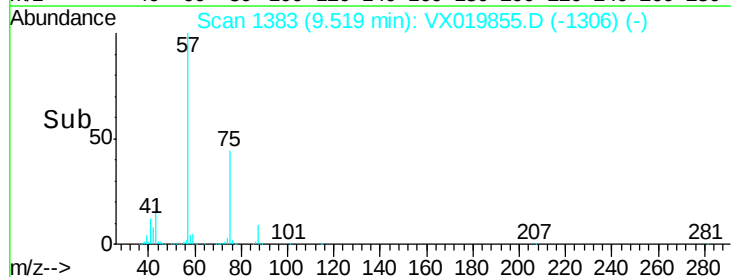
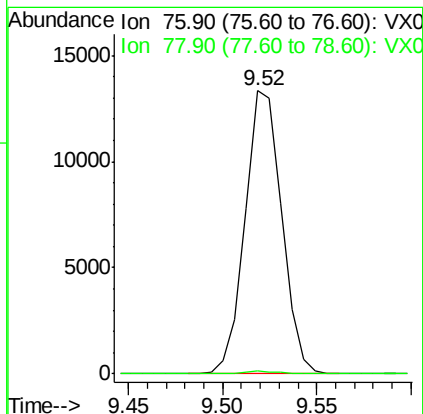
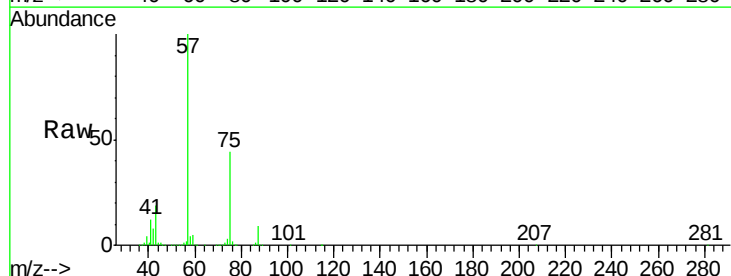
Tgt Ion: 75 Resp: 33553
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 25.6 35.1 52.7#

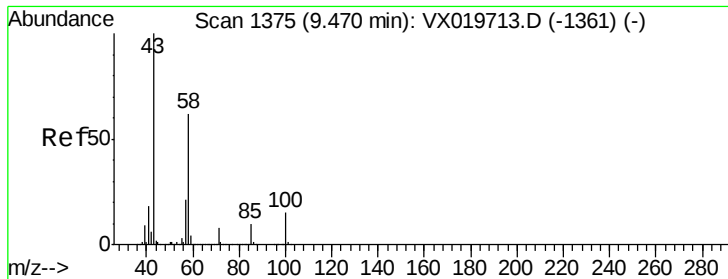


#57

1,3-Dichloropropane
 Concen: 2.822 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX019855.D
 Acq: 11 Dec 2020 03:53

Tgt Ion: 76 Resp: 18000
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#

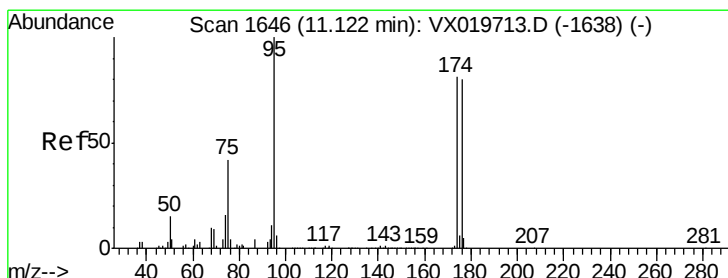
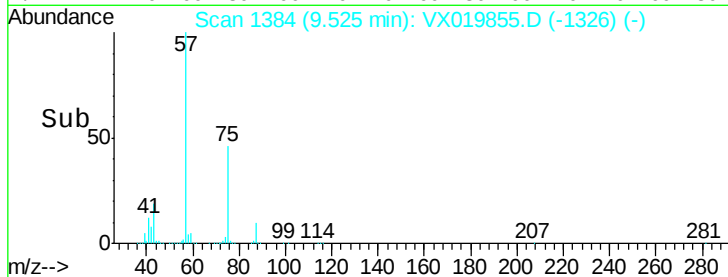
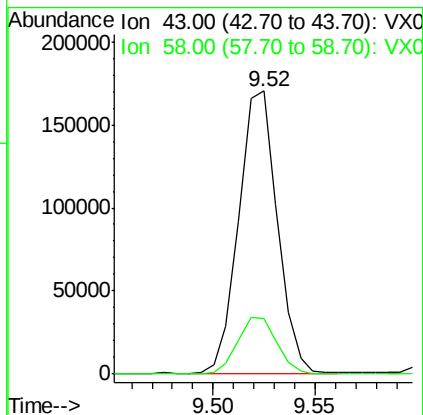
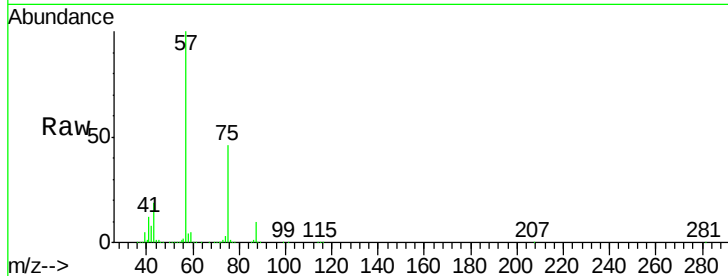




#59
2-Hexanone
Concen: 59.622 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

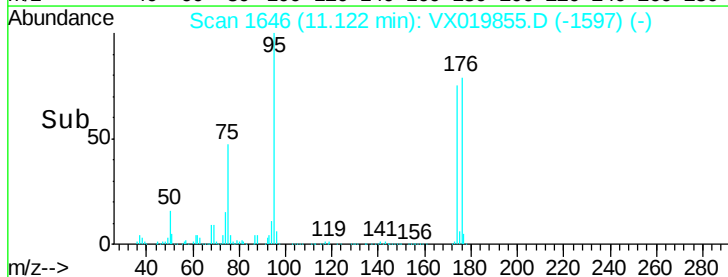
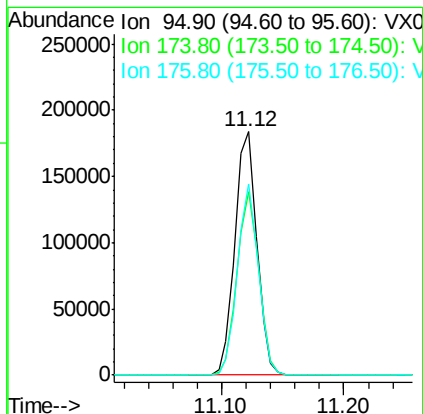
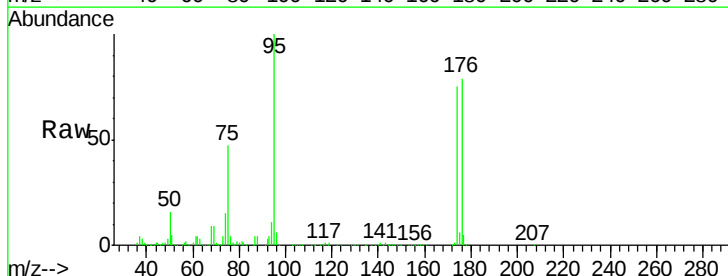
Instrument :
MSVOA_X
ClientSampleId :
TR2-B-TOP

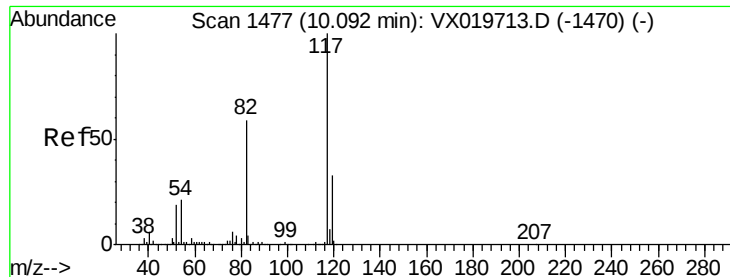
Tgt Ion: 43 Resp: 224757
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.016 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Tgt Ion: 95 Resp: 227024
Ion Ratio Lower Upper
95 100
174 74.9 0.0 154.6
176 75.3 0.0 155.8

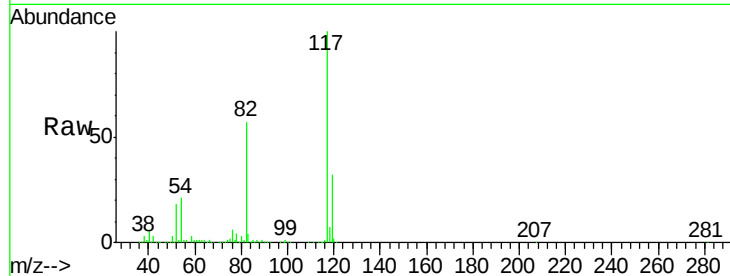




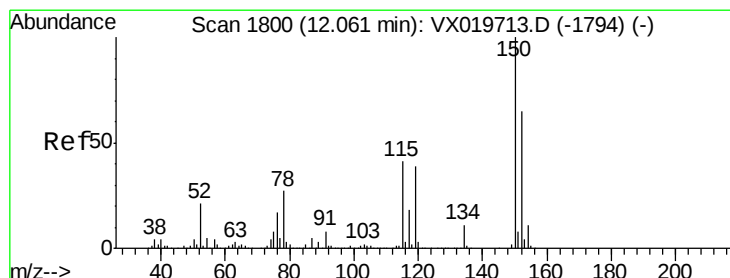
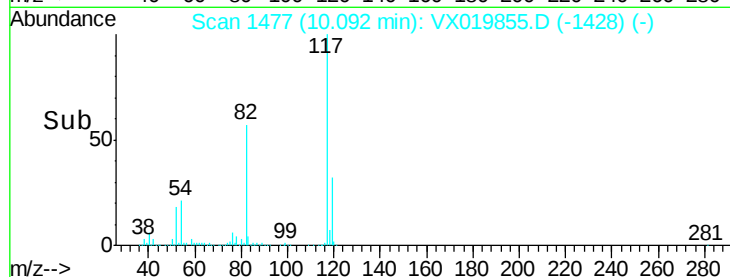
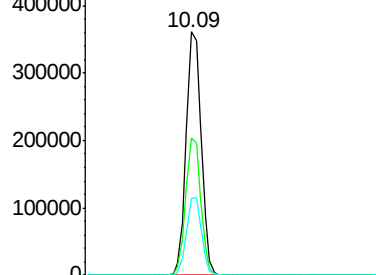
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Instrument :
MSVOA_X
ClientSampleId :
TR2-B-TOP

Tgt Ion:117 Resp: 501370
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.0 26.6 39.8

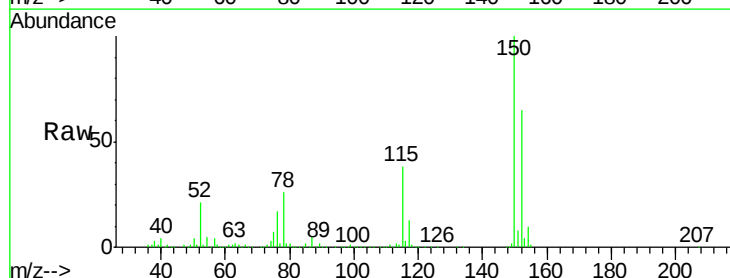


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

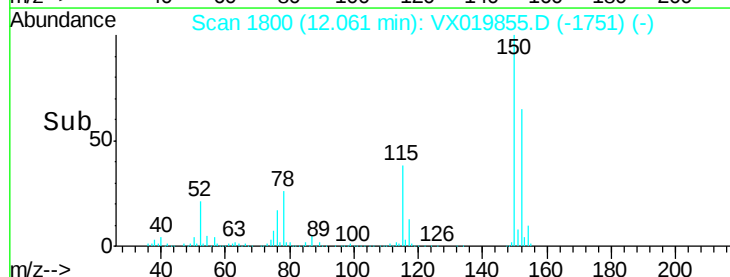
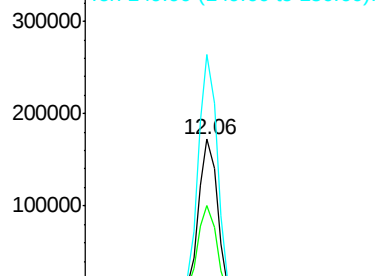


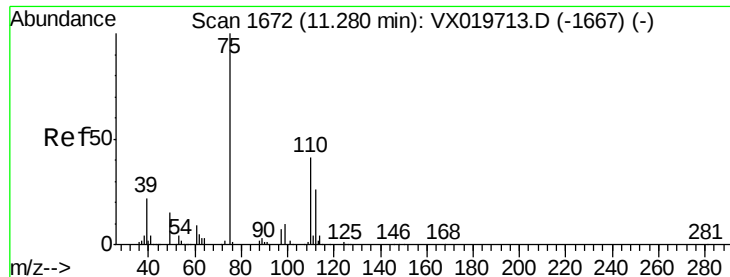
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019855.D
Acq: 11 Dec 2020 03:53

Tgt Ion:152 Resp: 207445
Ion Ratio Lower Upper
152 100
115 59.0 41.1 123.3
150 154.7 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: 23.666 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Instrument :

MSVOA_X

ClientSampleId :

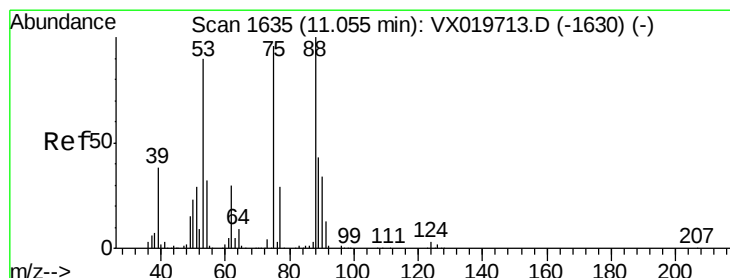
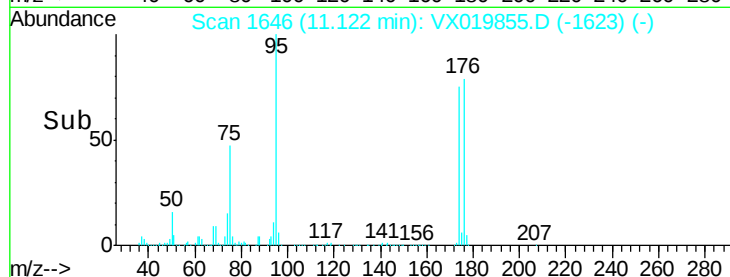
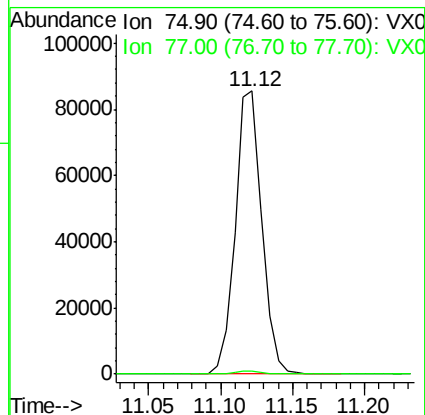
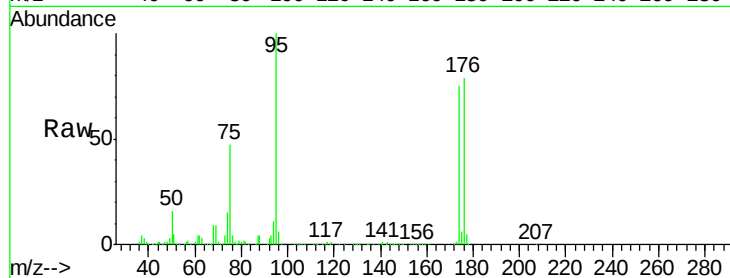
TR2-B-TOP

Tgt Ion: 75 Resp: 110111

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.415 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019855.D

Acq: 11 Dec 2020 03:53

Tgt Ion: 75 Resp: 110111

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

