

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019856.D
 Acq On : 11 Dec 2020 04:17
 Operator : JC/MD
 Sample : L4983-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-B-BOTTOM

Quant Time: Dec 11 05:39:11 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	325339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	541325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	497820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211185	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	205300	48.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.02%	
35) Dibromofluoromethane		5.46	113	164996	47.16	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.32%	
50) Toluene-d8		8.70	98	662993	49.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.28%	
62) 4-Bromofluorobenzene		11.12	95	230035	45.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.50%	

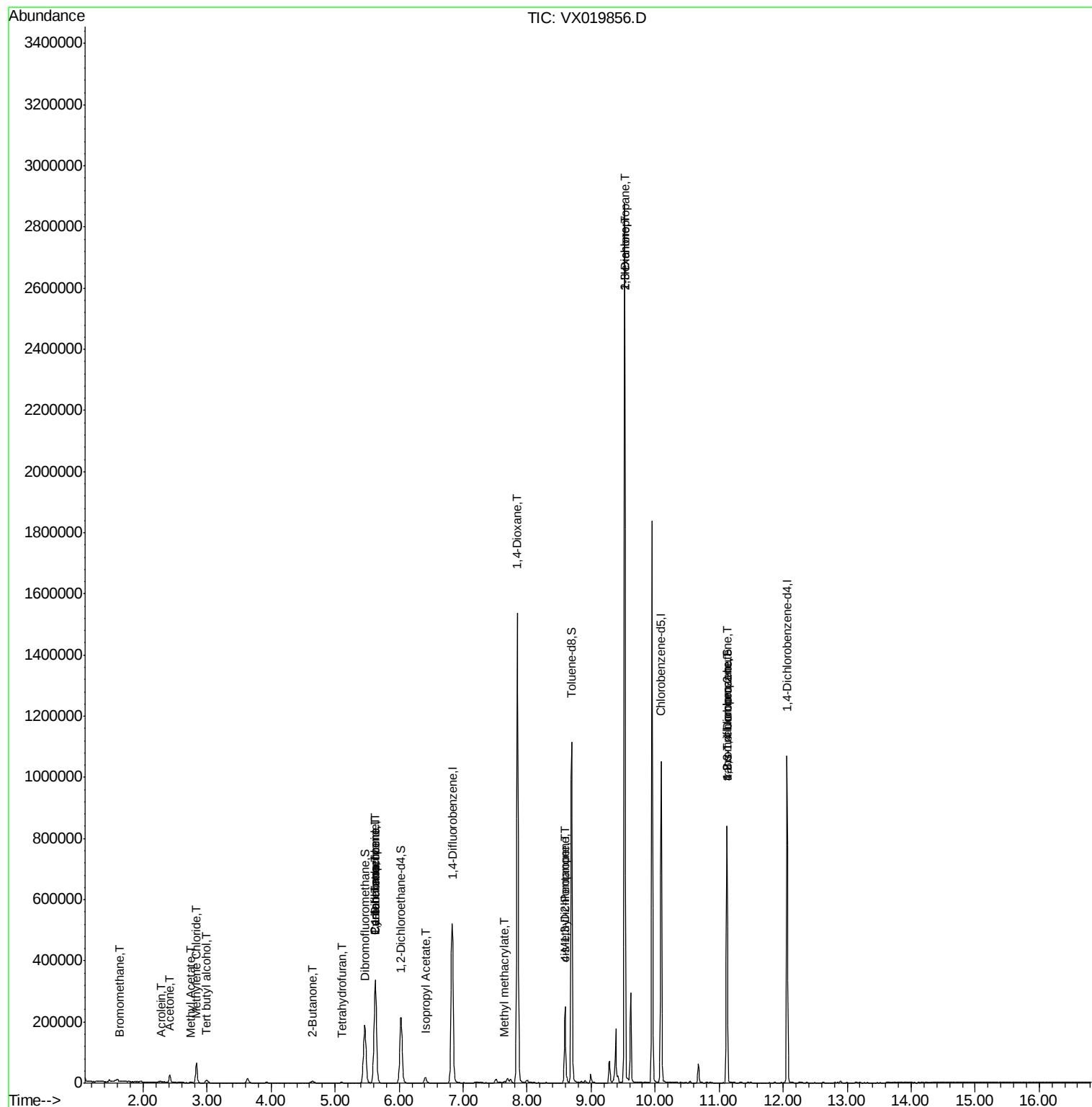
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	526	0.429	ug/l #	79
11) Tert butyl alcohol	2.99	59	5870	4.107	ug/l #	78
13) Acrolein	2.28	56	246	0.521	ug/l #	26
16) Acetone	2.42	43	25220	15.692	ug/l	98
18) Methyl Acetate	2.75	43	1675	0.426	ug/l	98
20) Methylene Chloride	2.83	84	30974	7.225	ug/l	97
25) 2-Butanone	4.64	43	3733	1.512	ug/l	99
29) Tetrahydrofuran	5.10	42	1229	0.772	ug/l #	83
31) Cyclohexane	5.63	56	6284	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24387	4.985	ug/l #	48
38) Carbon Tetrachloride	5.63	117	31798	6.638	ug/l #	17
43) Isopropyl Acetate	6.41	43	22875	2.849	ug/l	99
48) Methyl methacrylate	7.65	41	6142	1.555	ug/l #	10
49) 1,4-Dioxane	7.85	88	238	2.488	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	79218	16.159	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	41861	6.938	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	25871	4.023	ug/l #	43
59) 2-Hexanone	9.52	43	310260	81.648	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	111534	23.548	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	111534	68.072	ug/l #	12

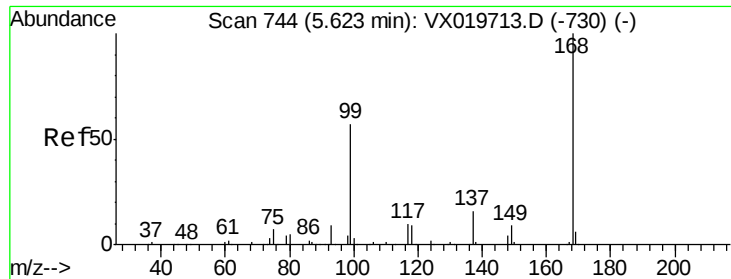
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
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Quant Time: Dec 11 05:39:11 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: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

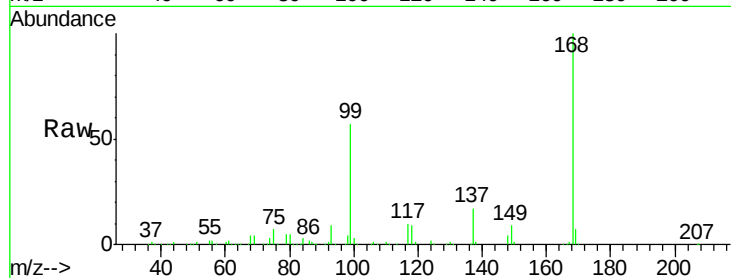
TR2-B-BOTTOM

Tgt Ion:168 Resp: 325339

Ion Ratio Lower Upper

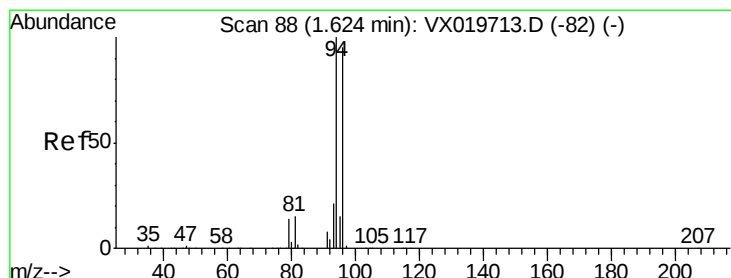
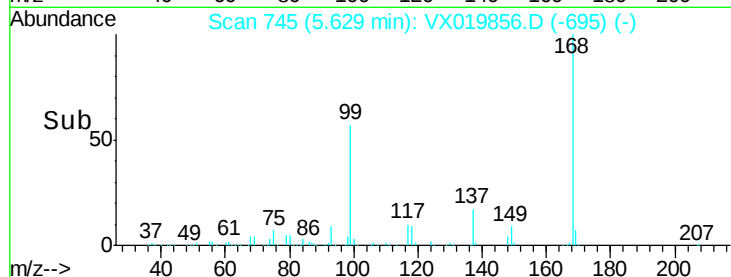
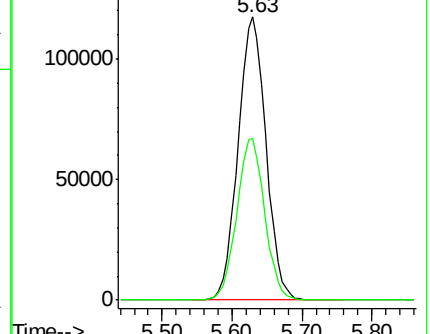
168 100

99 57.2 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: 0.429 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019856.D

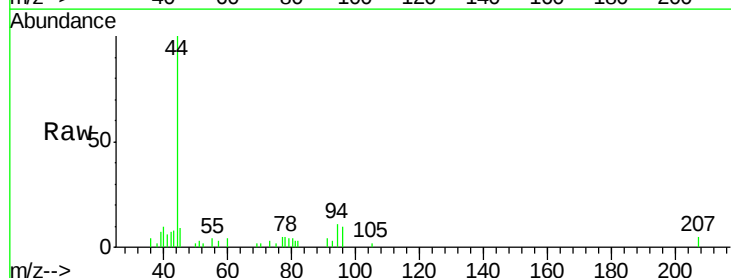
Acq: 11 Dec 2020 04:17

Tgt Ion: 94 Resp: 526

Ion Ratio Lower Upper

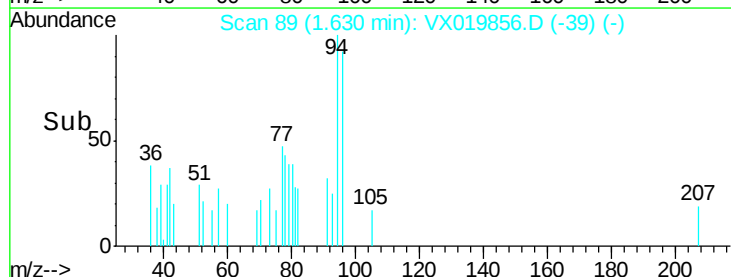
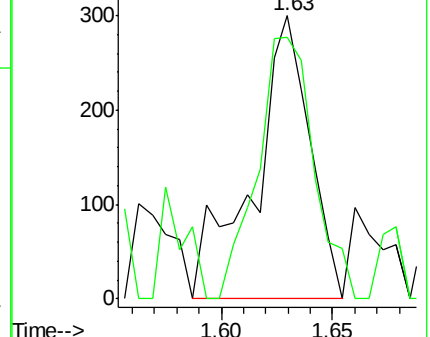
94 100

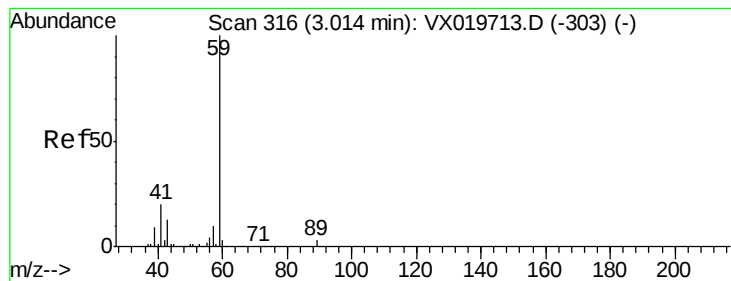
96 74.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: 4.107 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

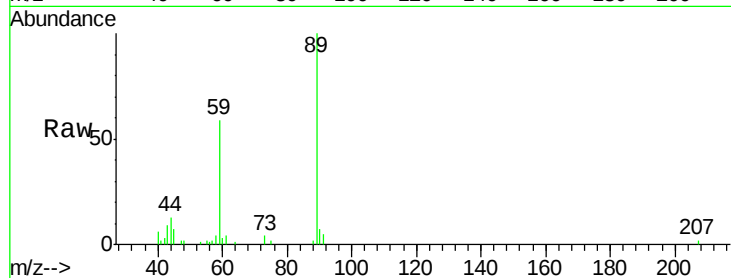
TR2-B-BOTTOM

Tgt Ion: 59 Resp: 5870

Ion Ratio Lower Upper

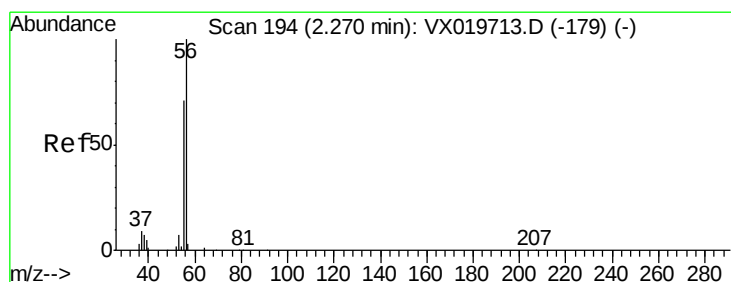
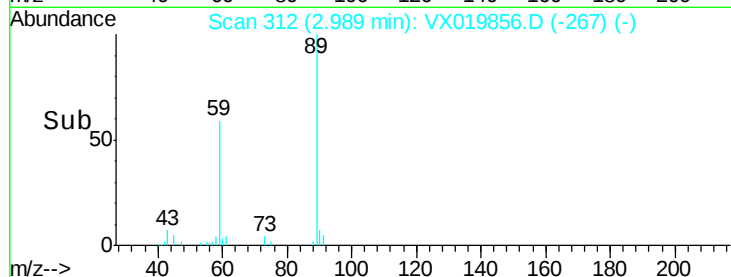
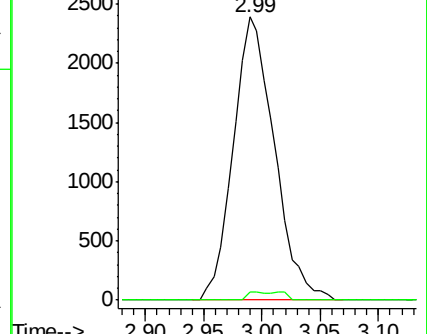
59 100

57 1.6 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: 0.521 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019856.D

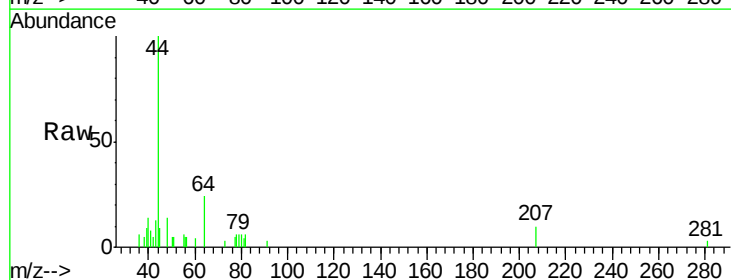
Acq: 11 Dec 2020 04:17

Tgt Ion: 56 Resp: 246

Ion Ratio Lower Upper

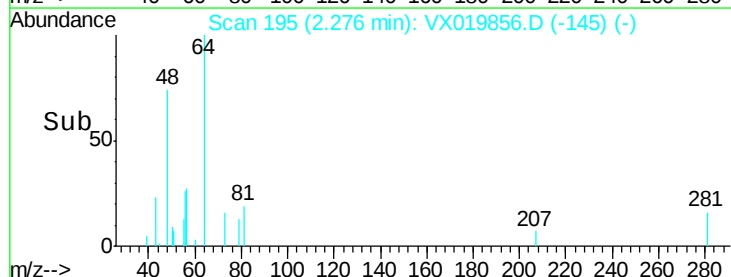
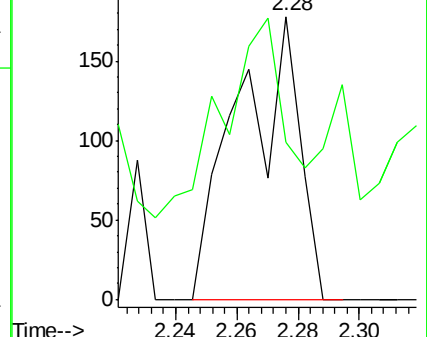
56 100

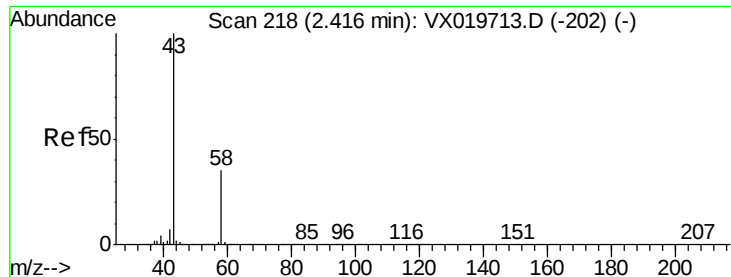
55 131.3 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 15.692 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

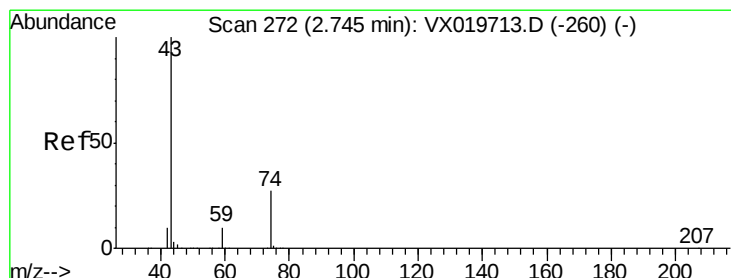
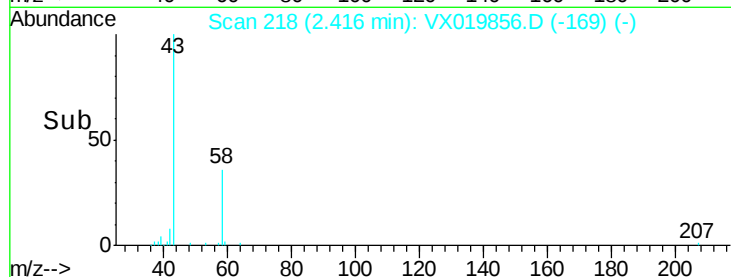
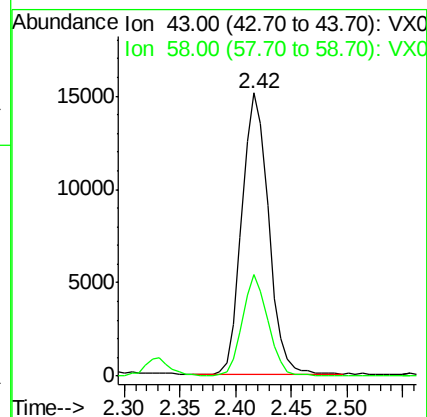
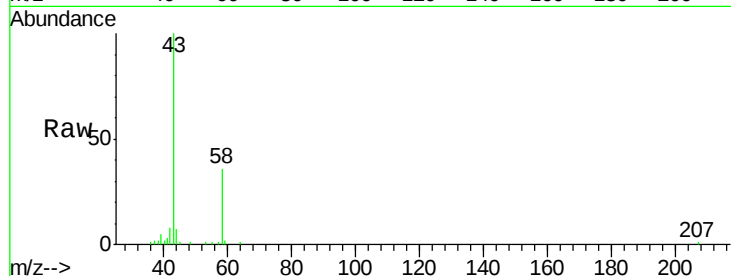
TR2-B-BOTTOM

Tgt Ion: 43 Resp: 25220

Ion Ratio Lower Upper

43 100

58 36.1 27.8 41.8



#18

Methyl Acetate

Concen: 0.426 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019856.D

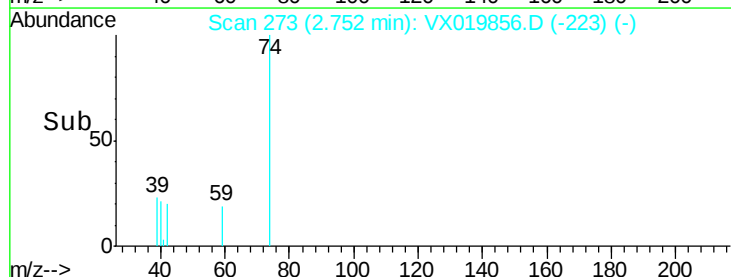
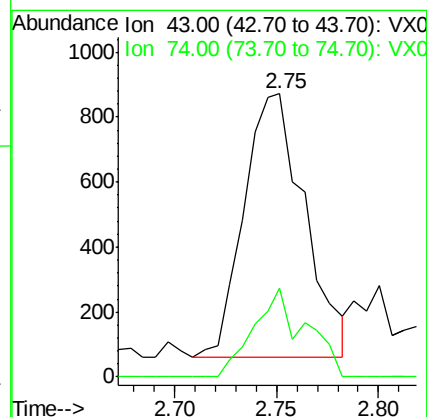
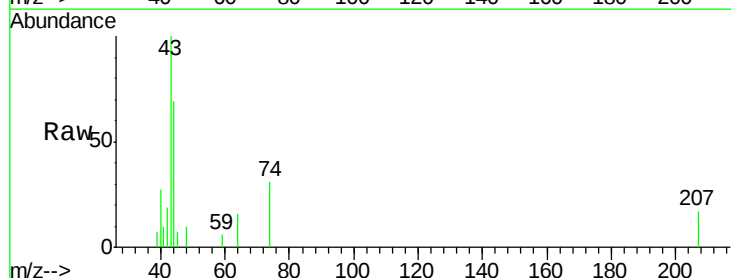
Acq: 11 Dec 2020 04:17

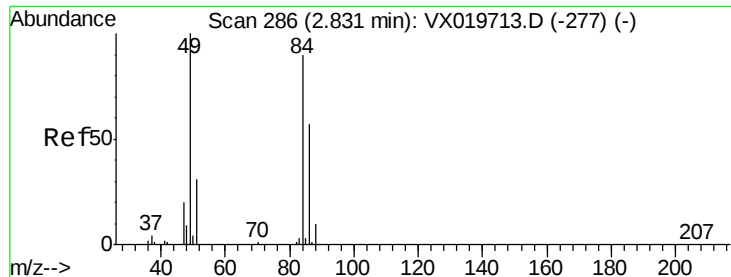
Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

74 28.5 21.9 32.9

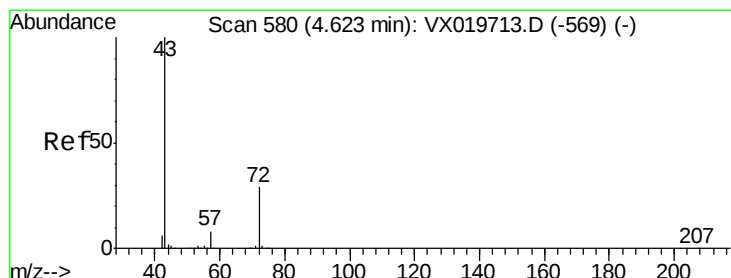
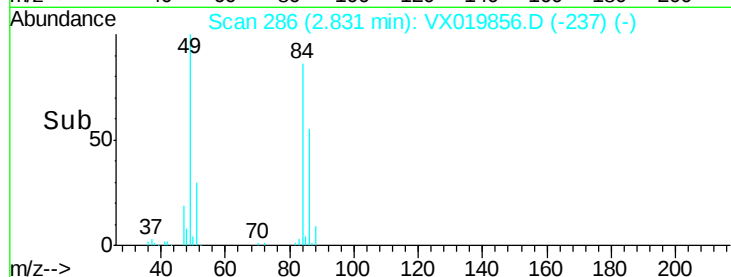
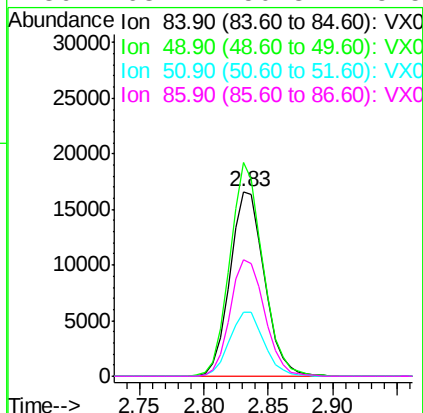
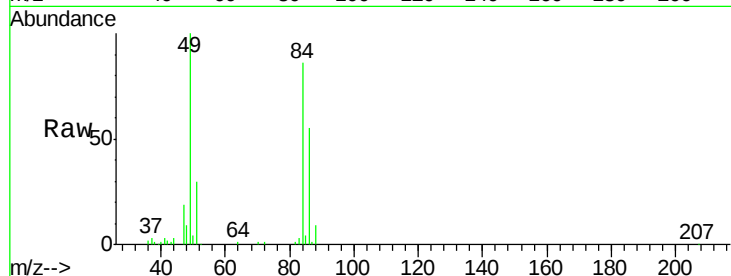




#20
Methylene Chloride
Concen: 7.225 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

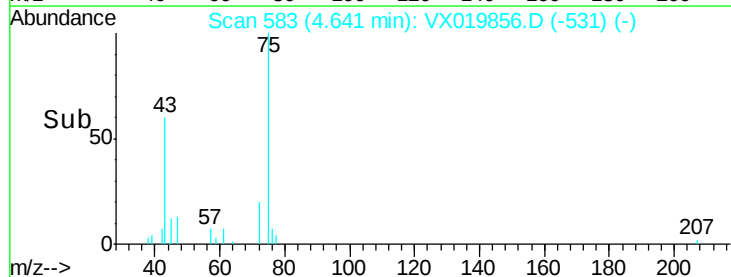
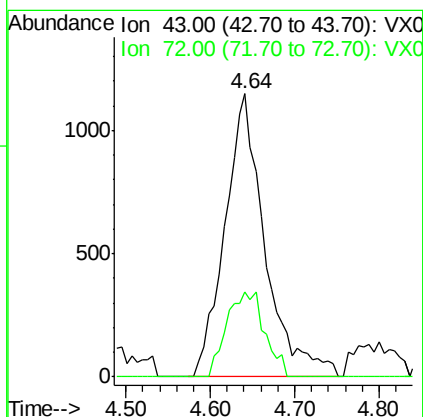
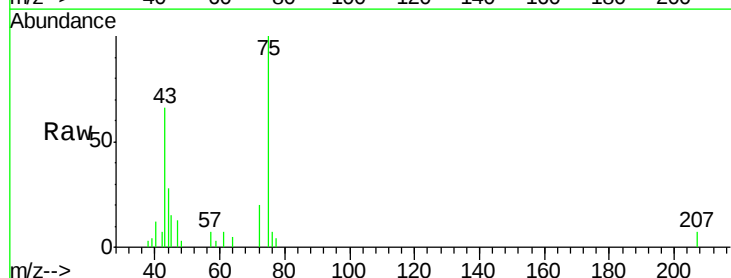
Instrument :
MSVOA_X
ClientSampleId :
TR2-B-BOTTOM

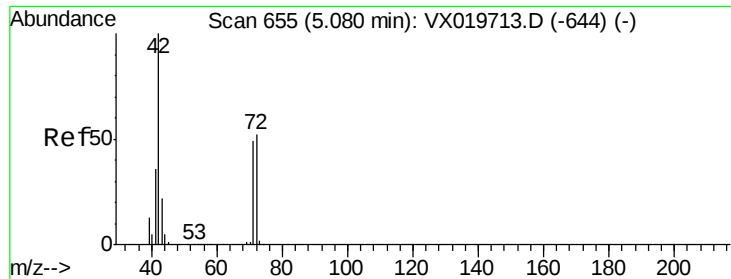
Tgt Ion:	84	Resp:	30974
Ion	Ratio	Lower	Upper
84	100		
49	115.9	88.6	132.8
51	35.0	27.0	40.6
86	63.2	50.3	75.5



#25
2-Butanone
Concen: 1.512 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

Tgt Ion:	43	Resp:	3733
Ion	Ratio	Lower	Upper
43	100		
72	30.0	23.7	35.5

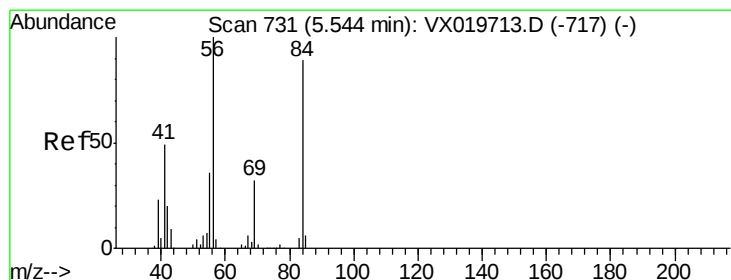
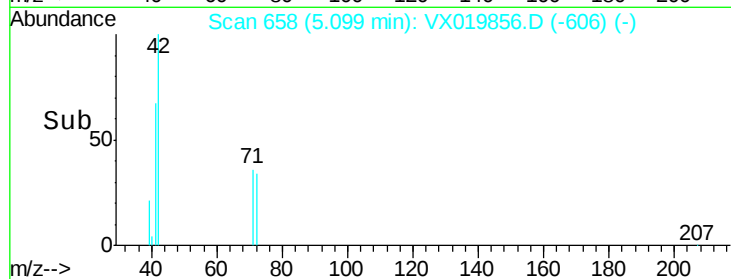
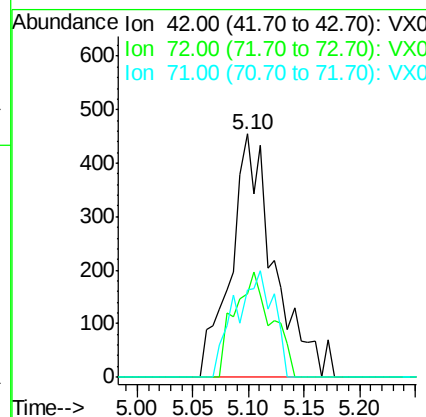
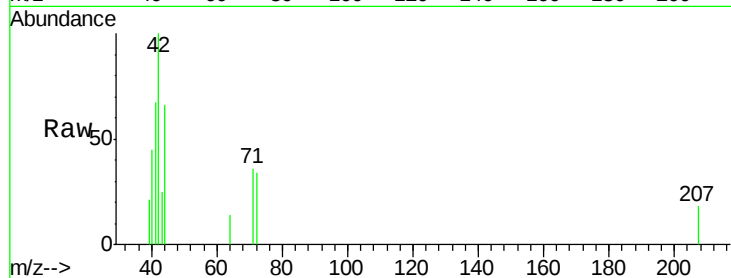




#29
Tetrahydrofuran
Concen: 0.772 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

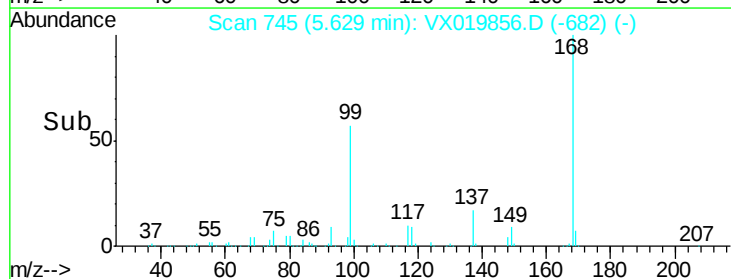
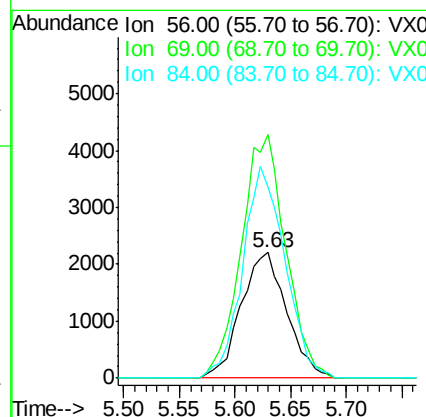
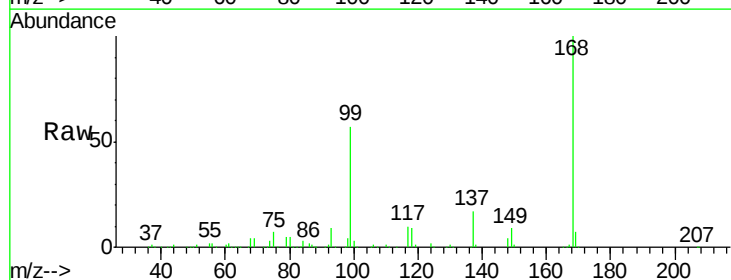
Instrument :
MSVOA_X
ClientSampleId :
TR2-B-BOTTOM

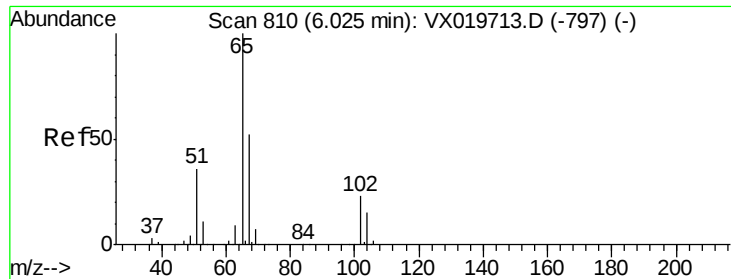
Tgt Ion: 42 Resp: 1229
Ion Ratio Lower Upper
42 100
72 37.2 41.7 62.5#
71 39.1 38.4 57.6



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

Tgt Ion: 56 Resp: 6284
Ion Ratio Lower Upper
56 100
69 194.1 25.3 37.9#
84 152.7 71.4 107.0#

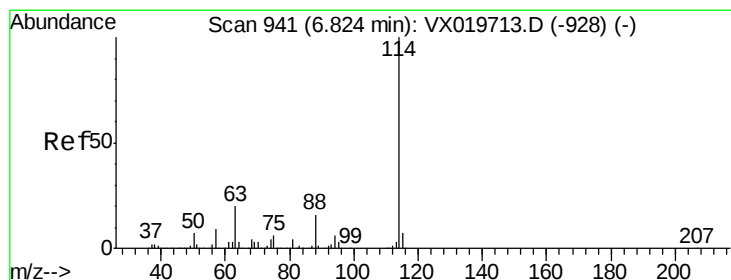
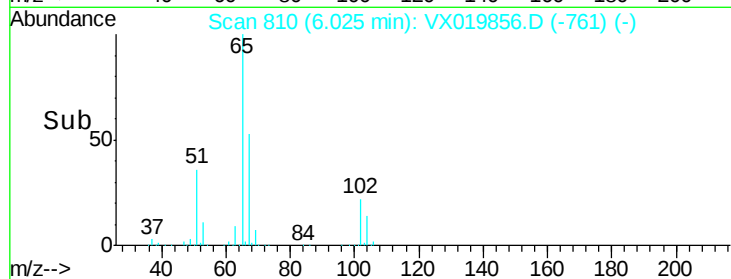
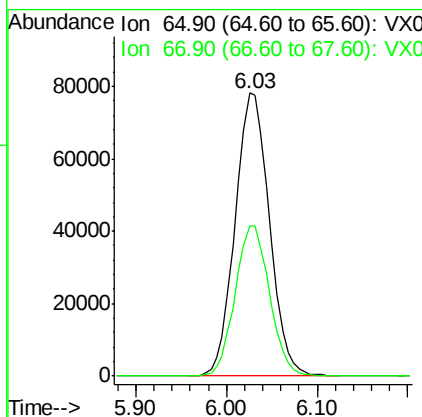
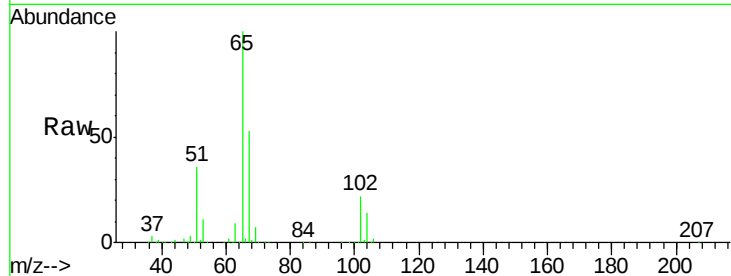




#33
 1,2-Dichloroethane-d4
 Concen: 48.013 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019856.D
 Acq: 11 Dec 2020 04:17

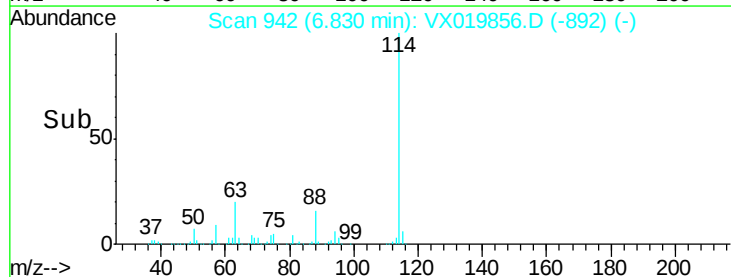
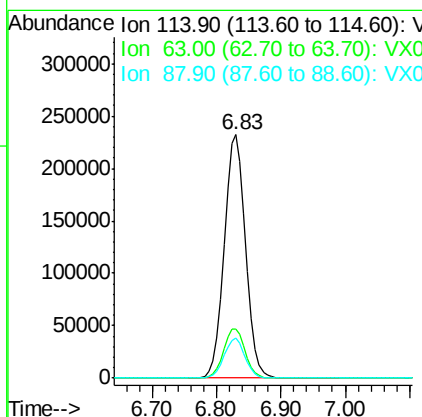
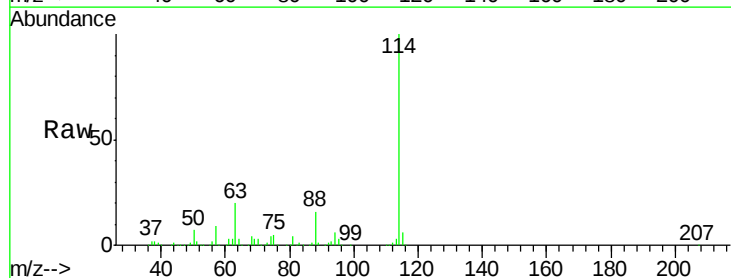
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-B-BOTTOM

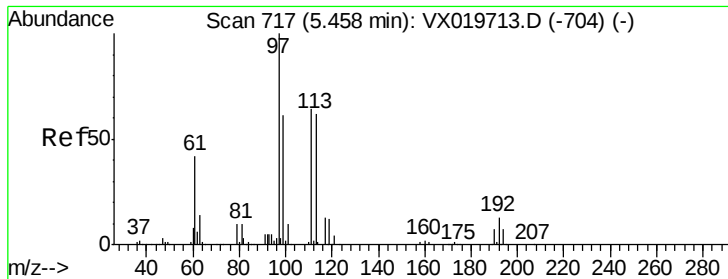
Tgt Ion: 65 Resp: 205300
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019856.D
 Acq: 11 Dec 2020 04:17

Tgt Ion: 114 Resp: 541325
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.162 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

TR2-B-BOTTOM

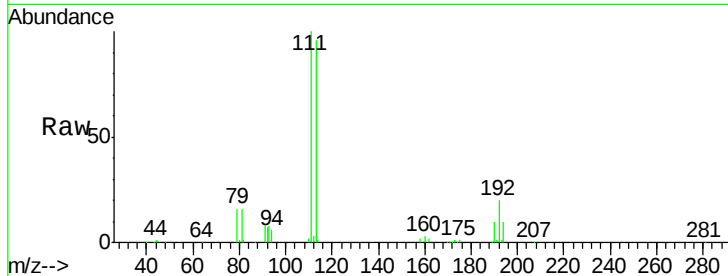
Tgt Ion:113 Resp: 164996

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

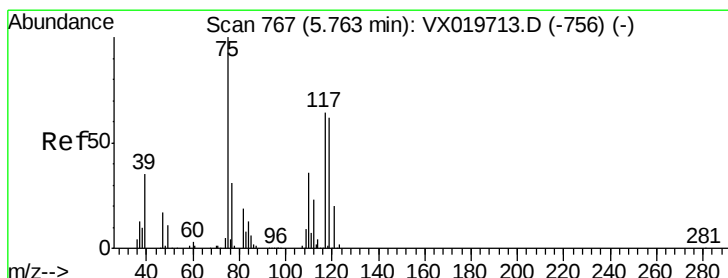
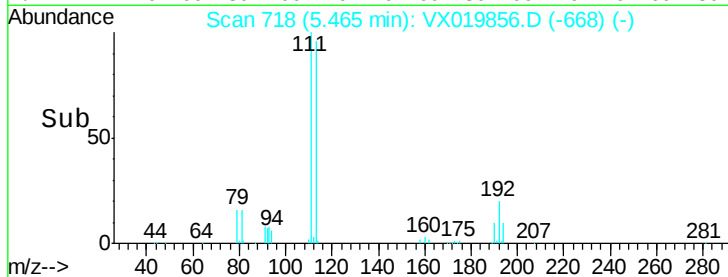
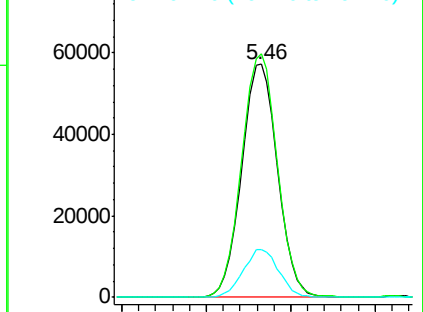
192 20.5 16.7 25.1



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: 4.985 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

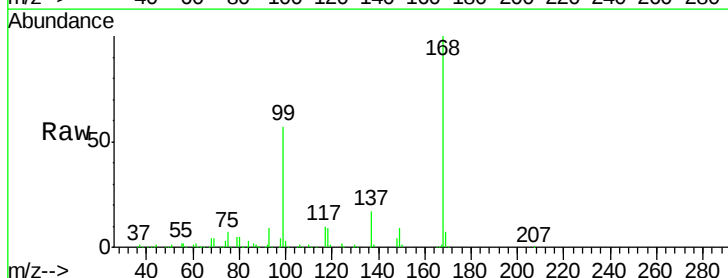
Tgt Ion: 75 Resp: 24387

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

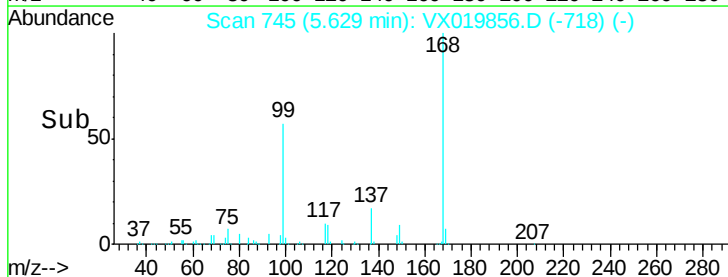
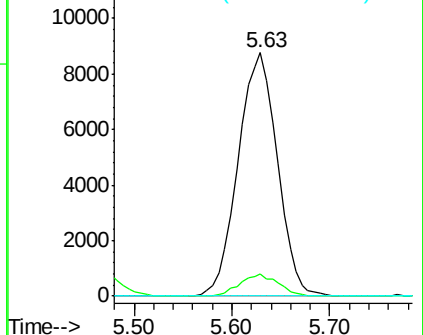
77 0.0 25.3 37.9#

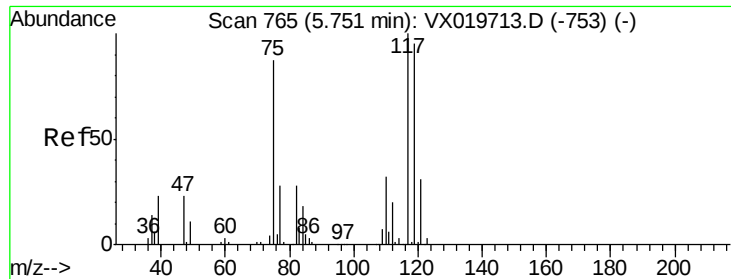


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.638 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

TR2-B-BOTTOM

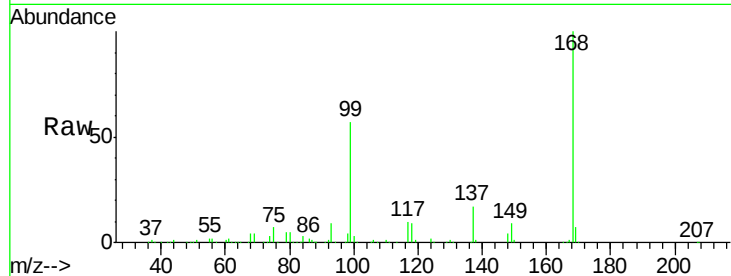
Tgt Ion:117 Resp: 31798

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

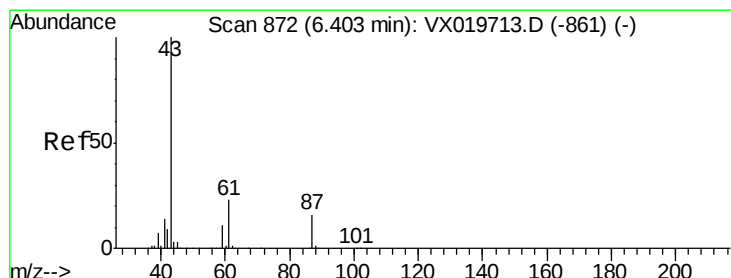
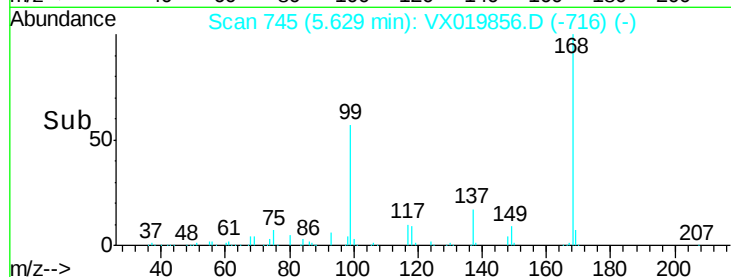
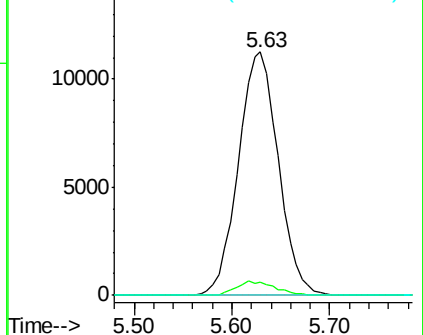
121 0.0 24.8 37.2#



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: 2.849 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

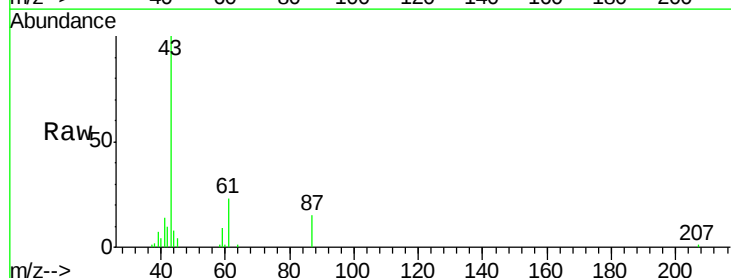
Tgt Ion: 43 Resp: 22875

Ion Ratio Lower Upper

43 100

61 23.4 18.2 27.4

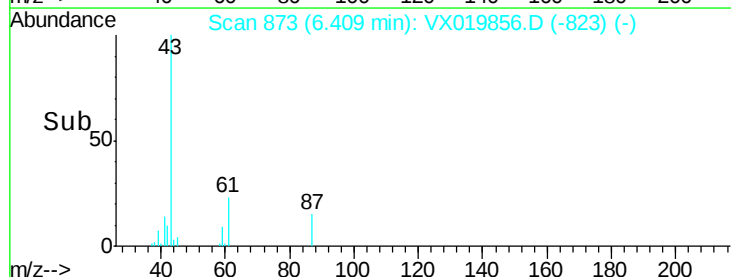
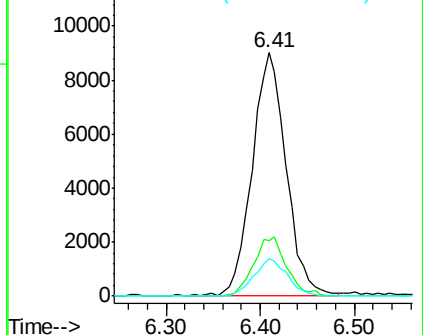
87 14.9 12.5 18.7

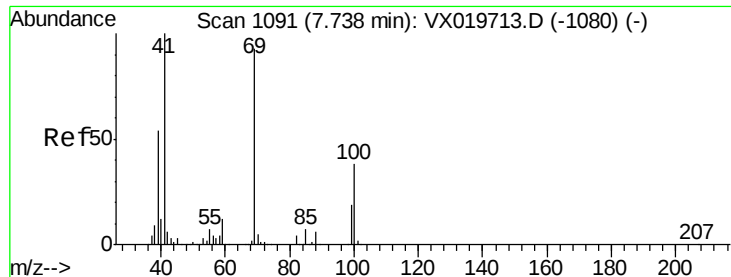


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.555 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

TR2-B-BOTTOM

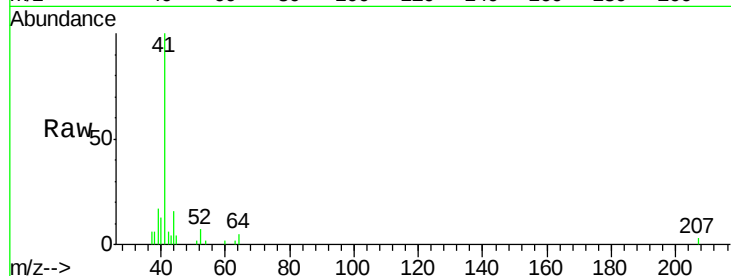
Tgt Ion: 41 Resp: 6142

Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

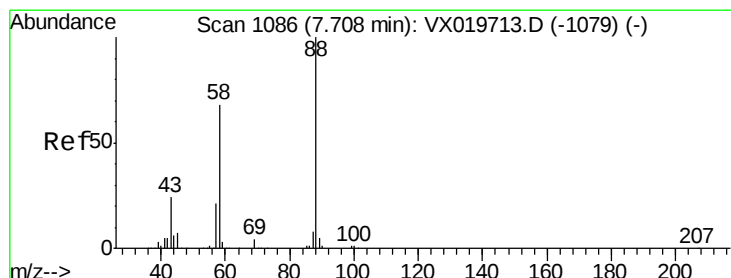
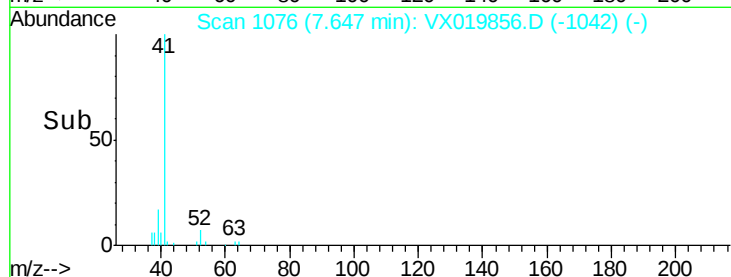
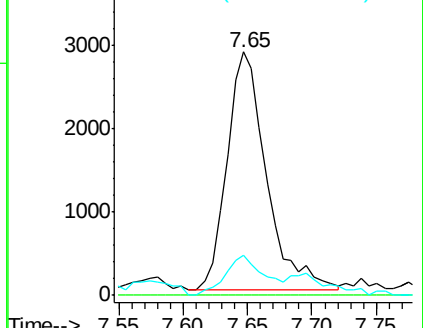
39 0.0 44.6 67.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 2.488 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

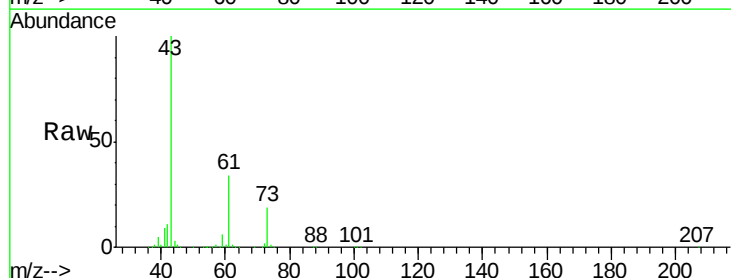
Tgt Ion: 88 Resp: 238

Ion Ratio Lower Upper

88 100

43 547784.0 23.2 34.8#

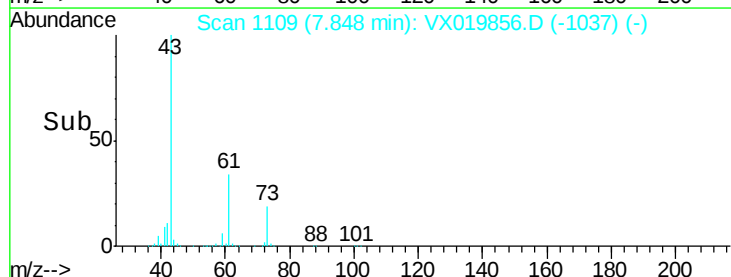
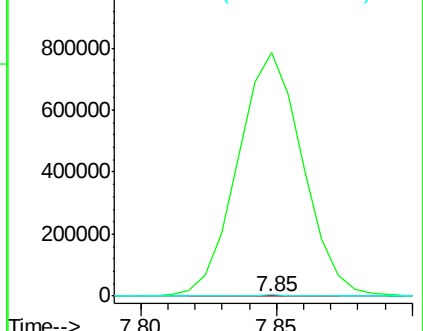
58 2883.6 55.0 82.4#

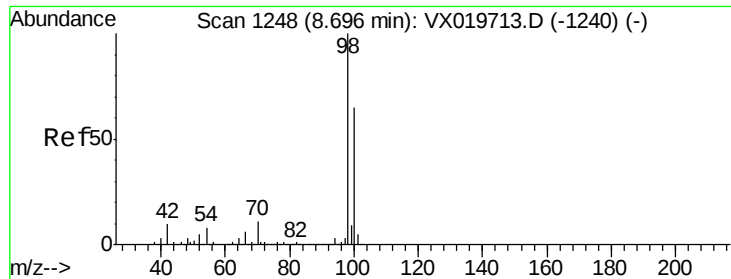


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.639 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

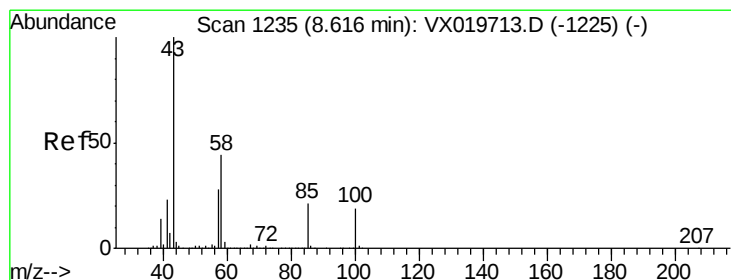
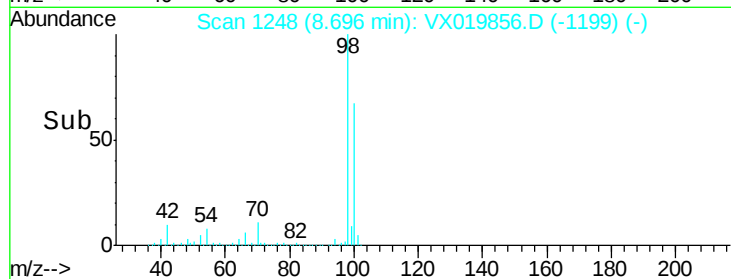
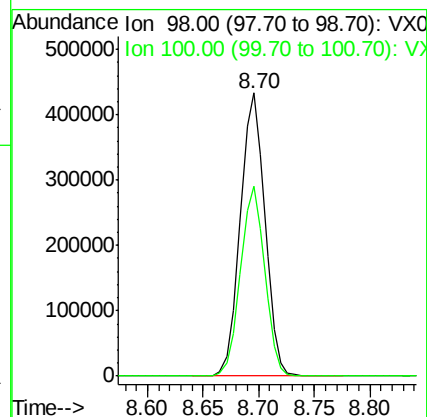
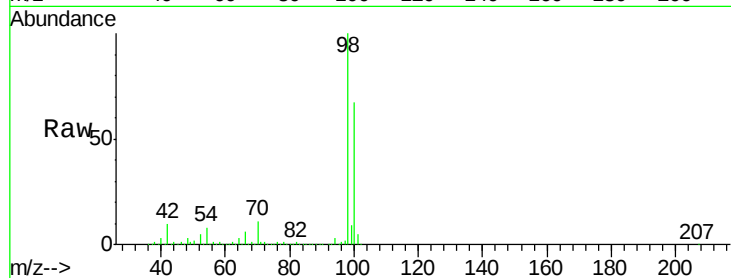
TR2-B-BOTTOM

Tgt Ion: 98 Resp: 662993

Ion Ratio Lower Upper

98 100

100 66.0 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 16.159 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019856.D

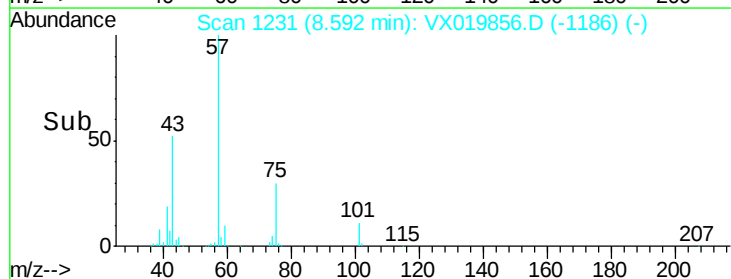
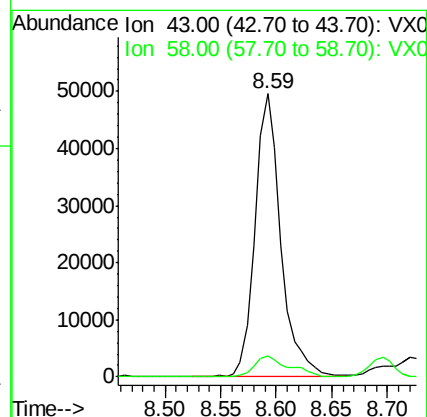
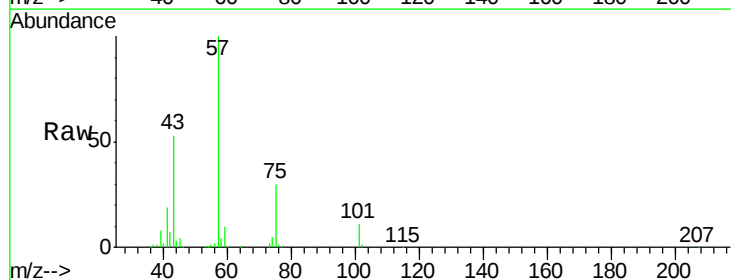
Acq: 11 Dec 2020 04:17

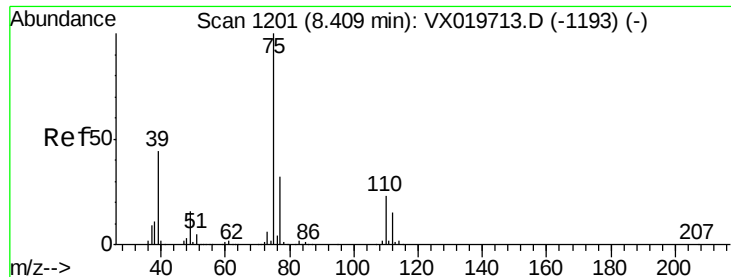
Tgt Ion: 43 Resp: 79218

Ion Ratio Lower Upper

43 100

58 9.9 35.4 53.0#

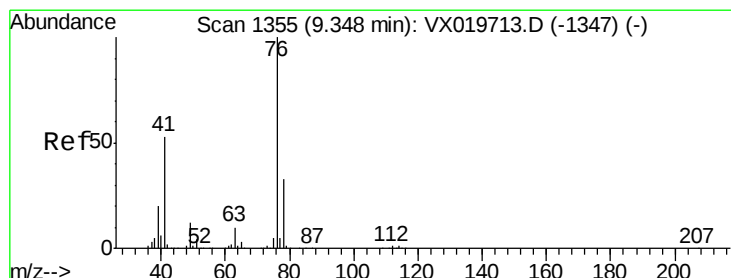
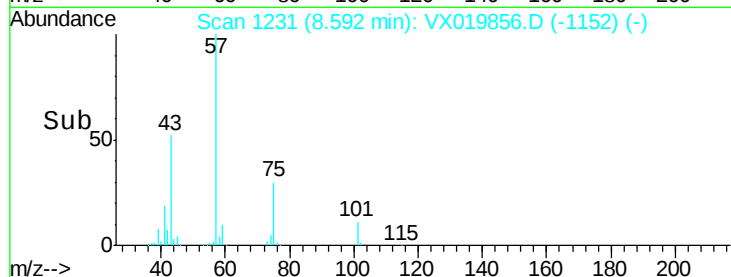
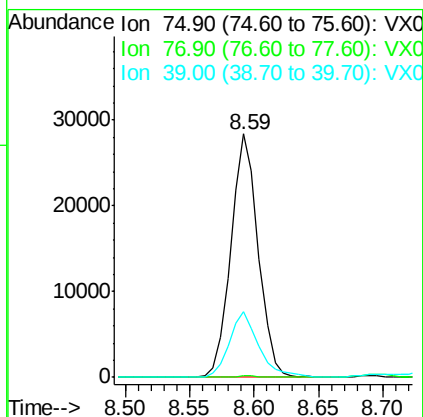
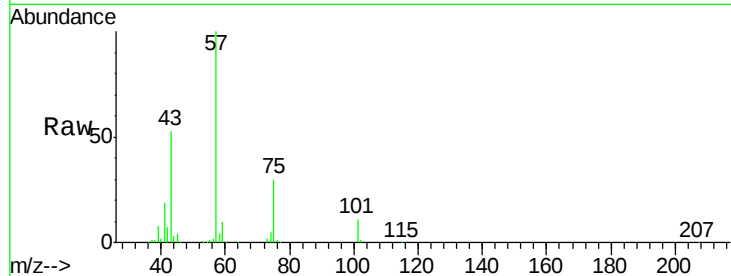




#54
 cis-1,3-Dichloropropene
 Concen: 6.938 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019856.D
 Acq: 11 Dec 2020 04:17

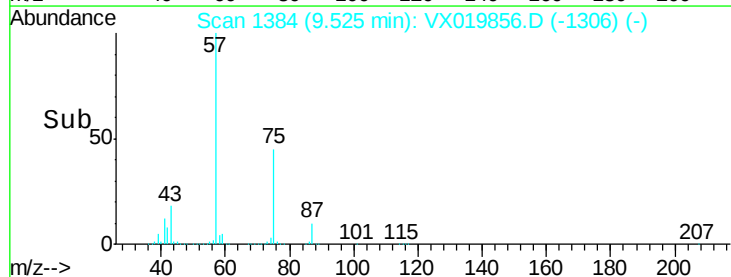
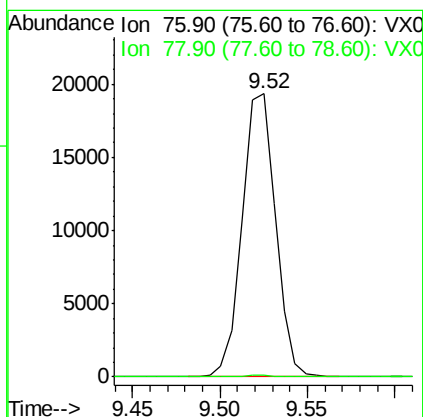
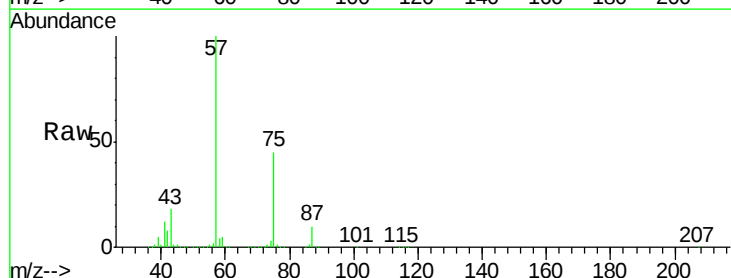
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-B-BOTTOM

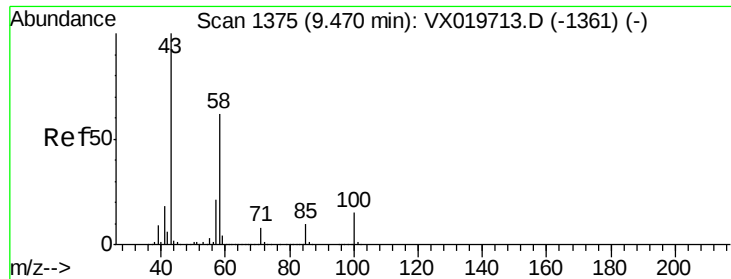
Tgt Ion: 75 Resp: 41861
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 27.2 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.023 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.18 min
 Lab File: VX019856.D
 Acq: 11 Dec 2020 04:17

Tgt Ion: 76 Resp: 25871
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

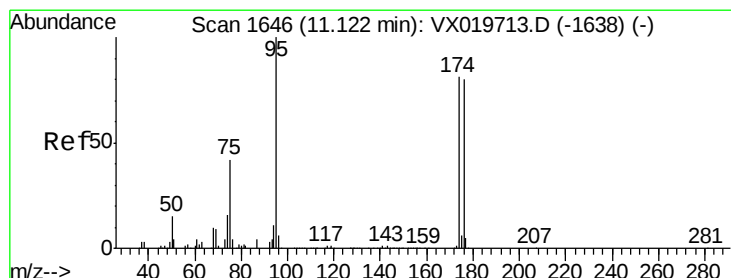
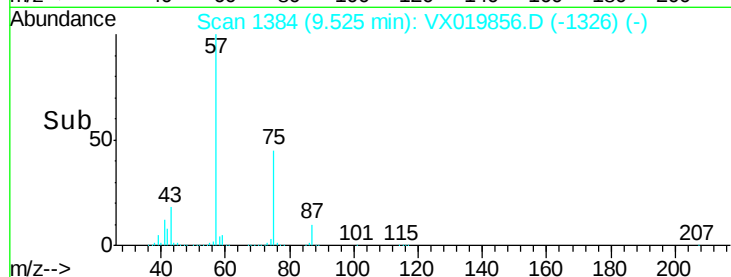
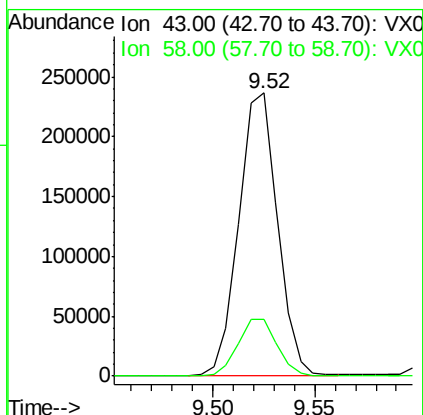
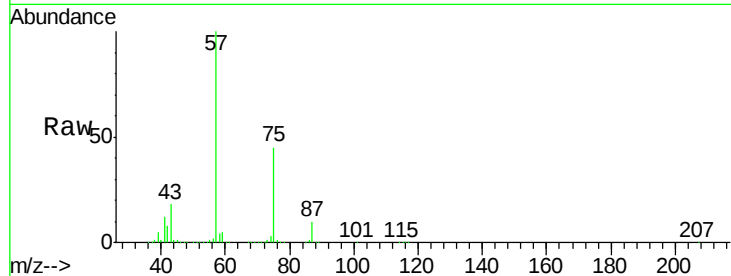




#59
2-Hexanone
Concen: 81.648 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

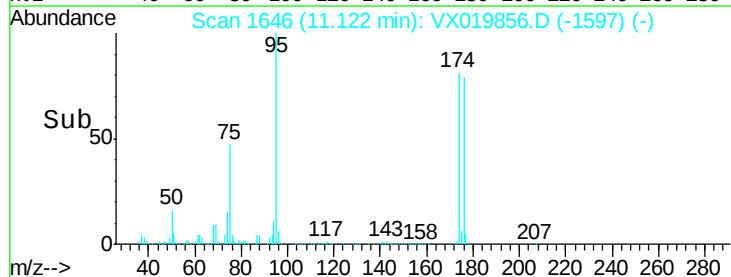
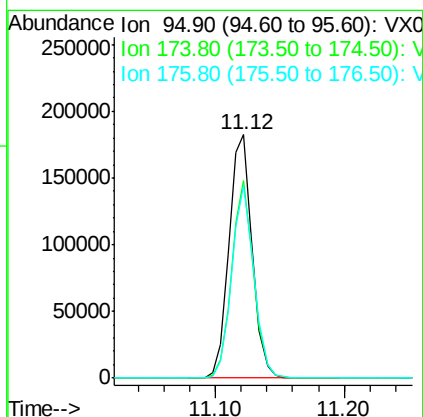
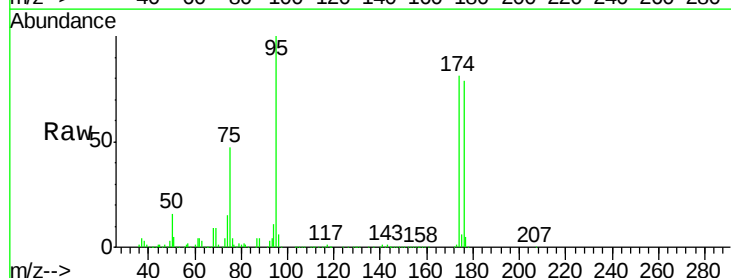
Instrument :
MSVOA_X
ClientSampled :
TR2-B-BOTTOM

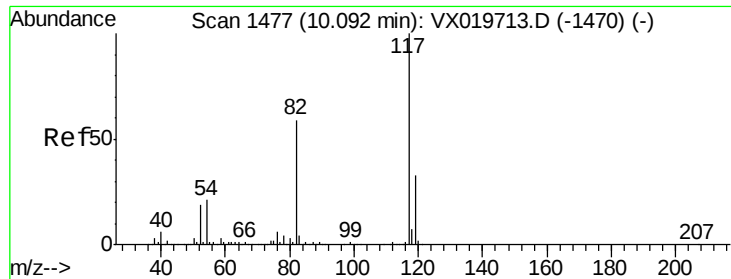
Tgt Ion: 43 Resp: 310260
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.250 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

Tgt Ion: 95 Resp: 230035
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 75.8 0.0 155.8

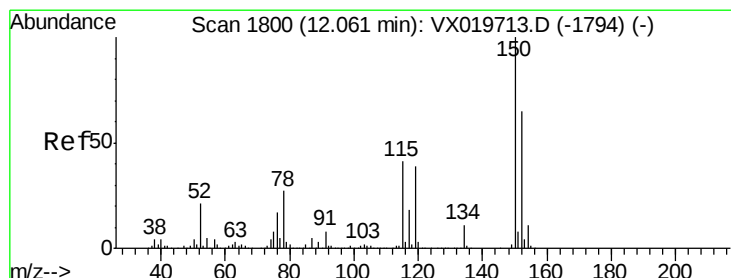
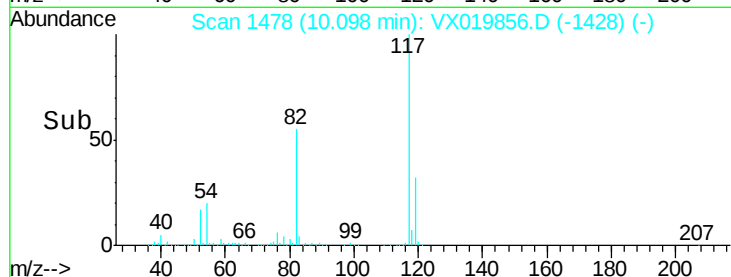
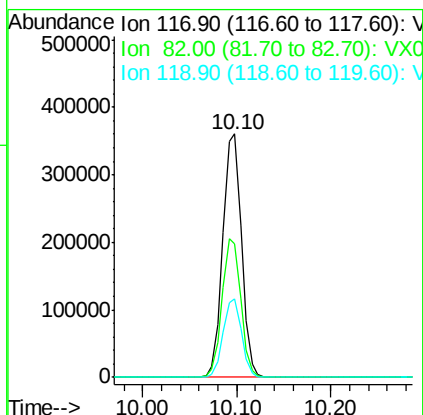
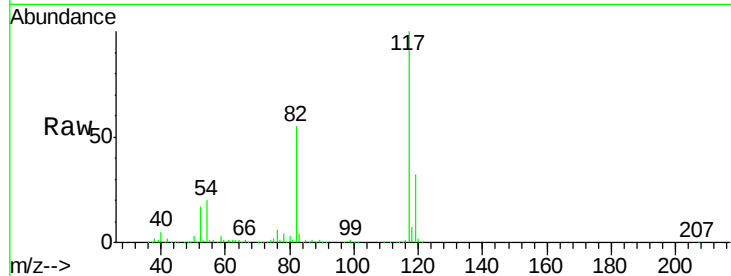




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

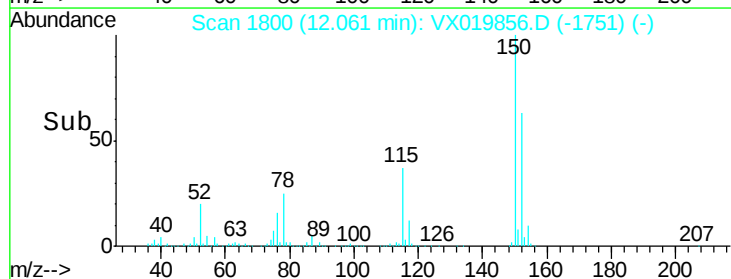
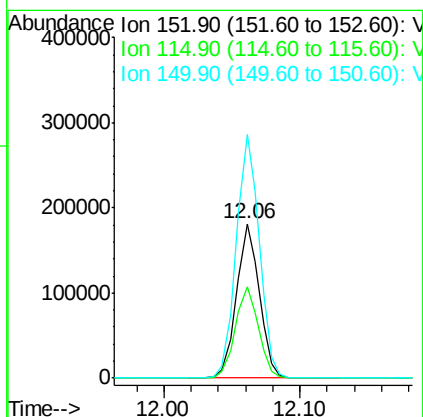
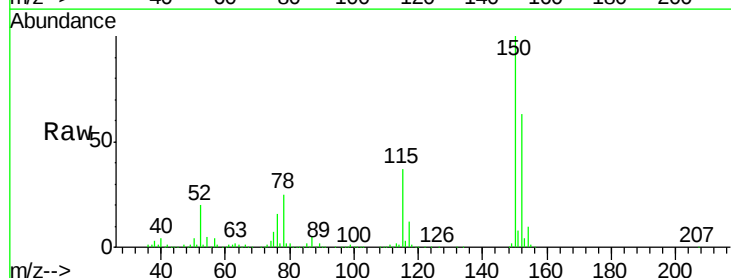
Instrument :
MSVOA_X
ClientSampleId :
TR2-B-BOTTOM

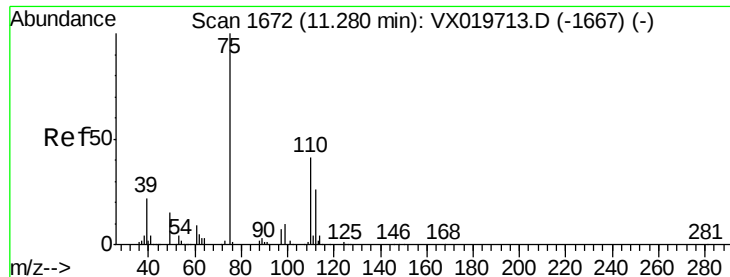
Tgt Ion:117 Resp: 497820
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019856.D
Acq: 11 Dec 2020 04:17

Tgt Ion:152 Resp: 211185
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 159.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.548 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Instrument :

MSVOA_X

ClientSampleId :

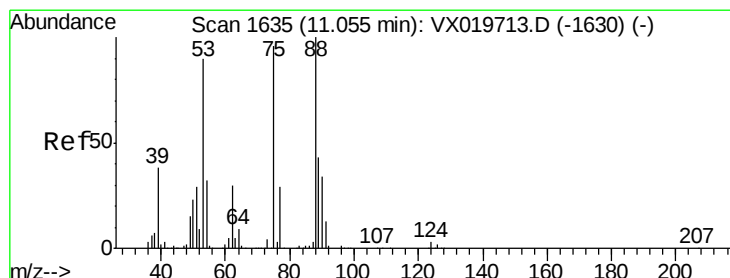
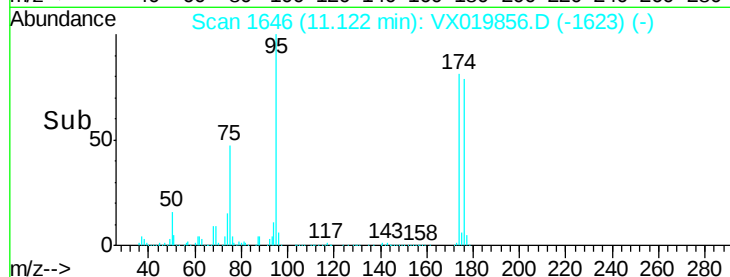
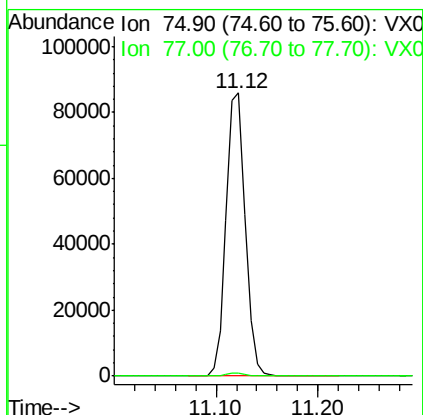
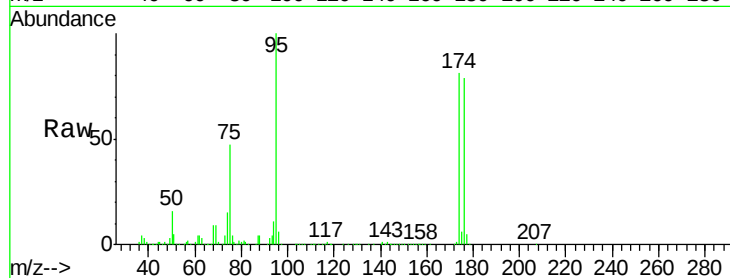
TR2-B-BOTTOM

Tgt Ion: 75 Resp: 111534

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.072 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019856.D

Acq: 11 Dec 2020 04:17

Tgt Ion: 75 Resp: 111534

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

