

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020047.D
 Acq On : 16 Dec 2020 05:44
 Operator : JC/MD
 Sample : L5088-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

Quant Time: Dec 16 06:58:57 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	5.62	168	298590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	497887	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	465598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192967	49.17	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.34%
35) Dibromofluoromethane	5.46	113	153598	47.73	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.46%
50) Toluene-d8	8.70	98	615021	50.06	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.12%
62) 4-Bromofluorobenzene	11.12	95	214369	45.85	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.70%

Target Compounds

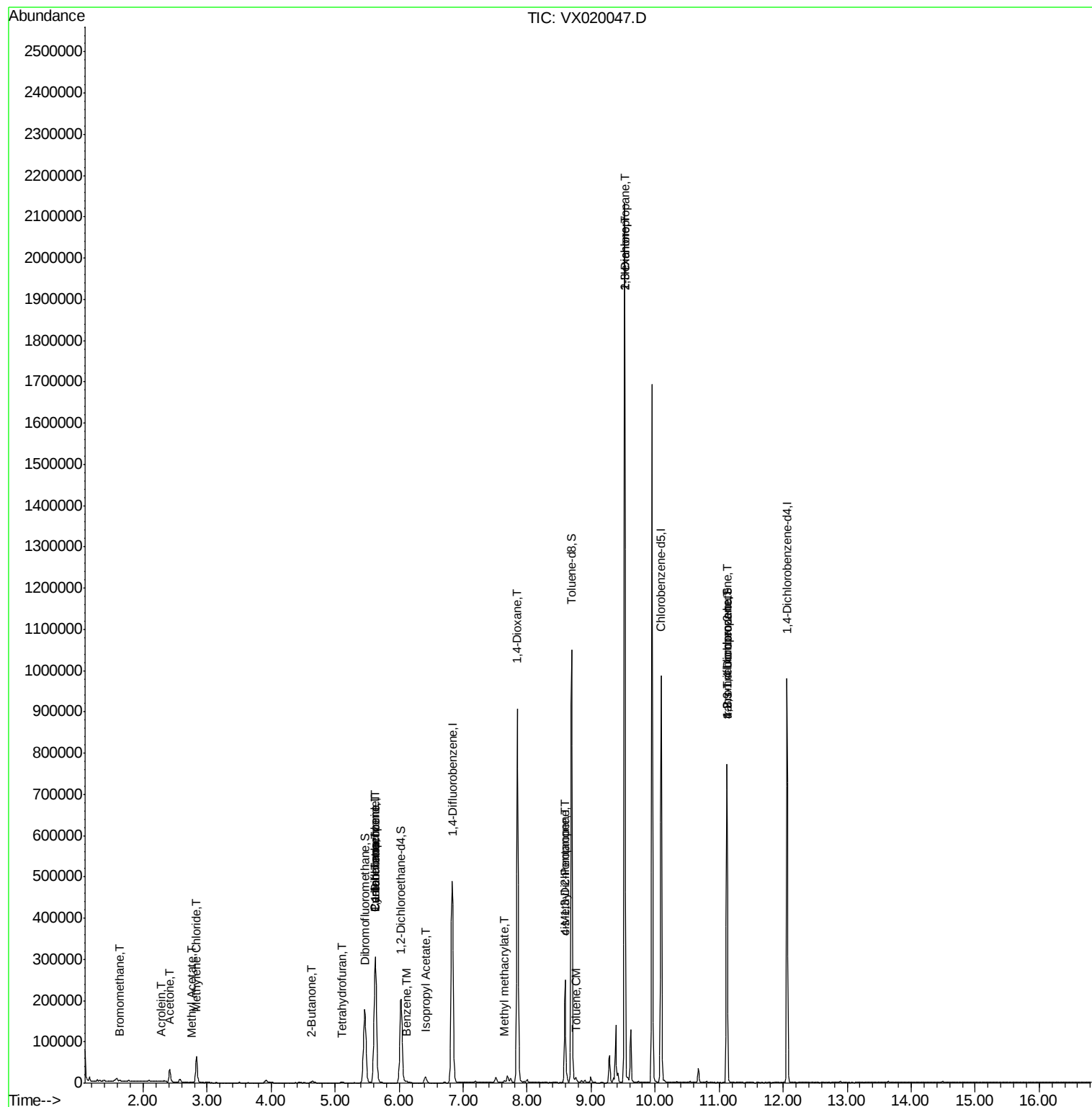
					Qvalue	
5) Bromomethane	1.64	94	346	0.307	ug/l	97
11) Tert butyl alcohol	3.00	59	1842	Below Cal	#	73
13) Acrolein	2.27	56	119	0.275	ug/l #	1
16) Acetone	2.42	43	31847	21.590	ug/l	100
18) Methyl Acetate	2.75	43	1782	0.494	ug/l	93
20) Methylene Chloride	2.84	84	30717	7.925	ug/l	94
25) 2-Butanone	4.64	43	4639	2.047	ug/l	91
29) Tetrahydrofuran	5.10	42	676	0.463	ug/l #	86
31) Cyclohexane	5.62	56	5710	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22992	5.110	ug/l #	48
38) Carbon Tetrachloride	5.62	117	29288	6.648	ug/l #	16
40) Benzene	6.12	78	4556	0.332	ug/l	94
43) Isopropyl Acetate	6.41	43	19083	2.584	ug/l	98
48) Methyl methacrylate	7.65	41	6789	1.869	ug/l #	10
49) 1,4-Dioxane	7.85	88	145	1.648	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	77816	17.258	ug/l #	48
52) Toluene	8.76	92	3861	0.449	ug/l	93
54) cis-1,3-Dichloropropene	8.59	75	40464	7.292	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	18903	3.196	ug/l #	43
59) 2-Hexanone	9.52	43	233239	66.734	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	103070	23.467	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	103070	67.839	ug/l #	12

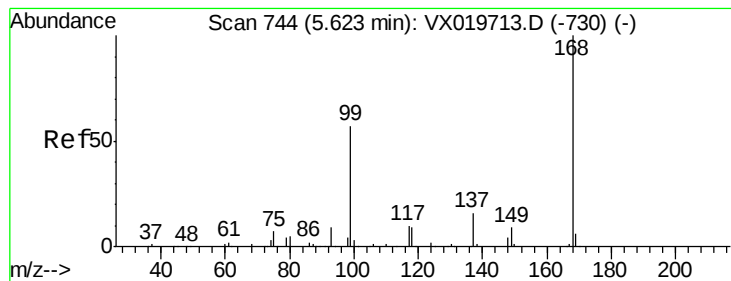
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
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TR2-D-TOP

Quant Time: Dec 16 06:58:57 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: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampleId :

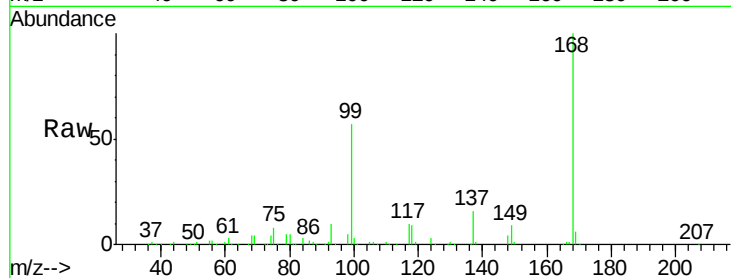
TR2-D-TOP

Tgt Ion:168 Resp: 298590

Ion Ratio Lower Upper

168 100

99 57.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

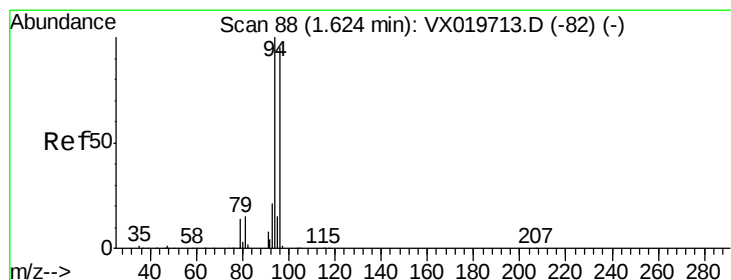
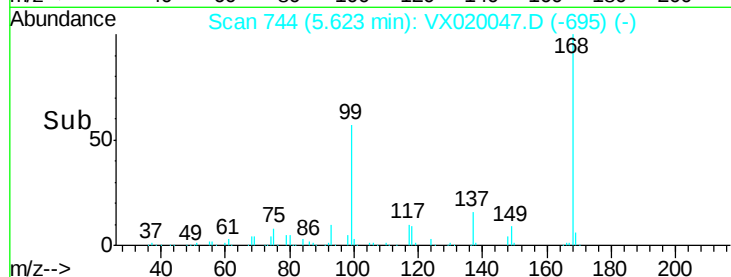
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020047.D

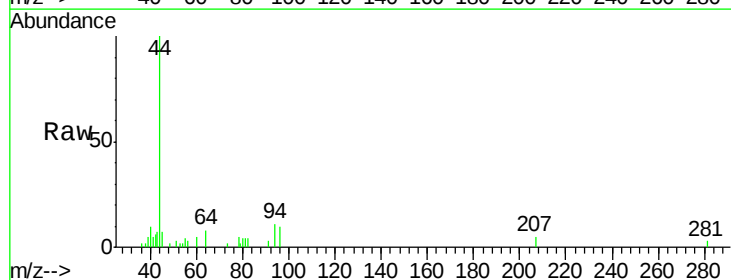
Acq: 16 Dec 2020 05:44

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 92.4 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

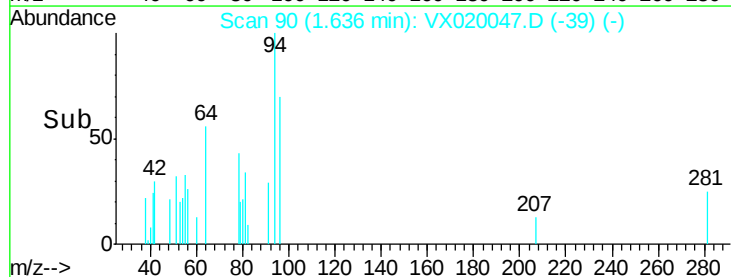
150

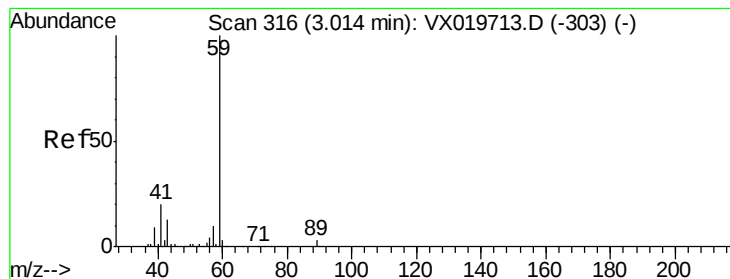
100

50

0

Time-->



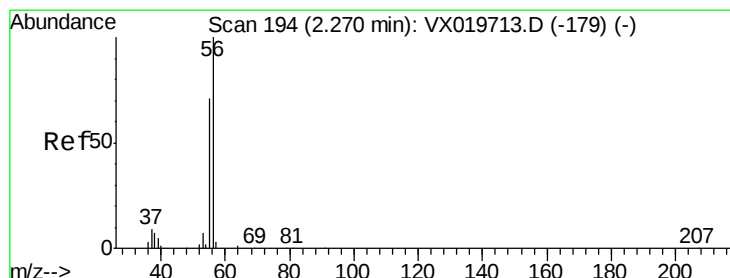
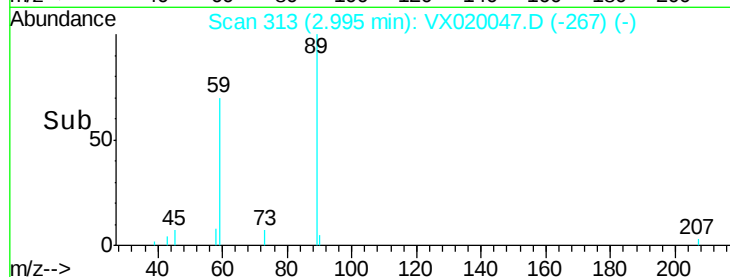
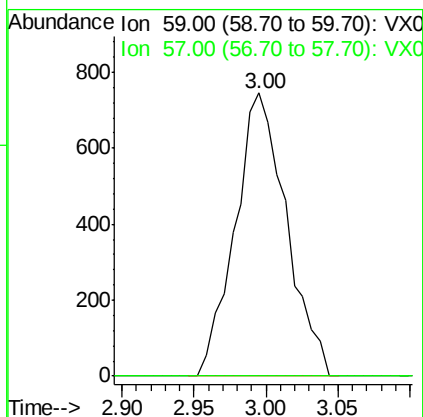
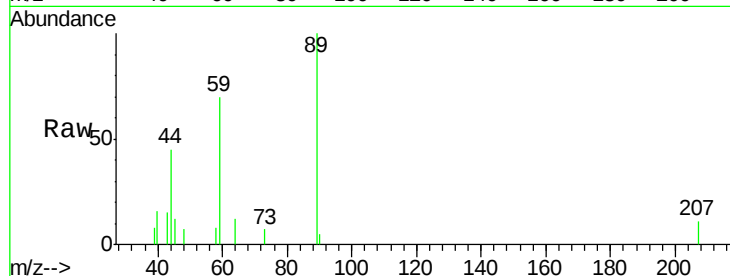


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

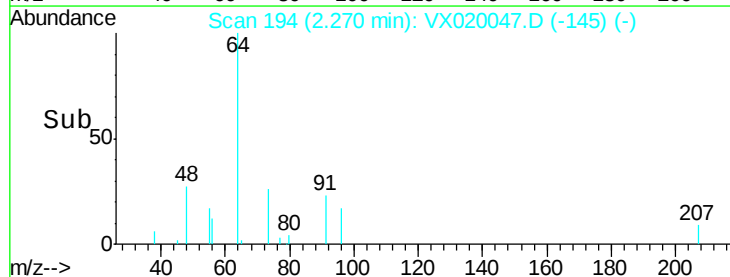
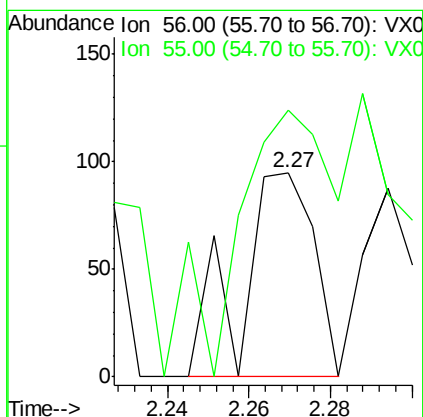
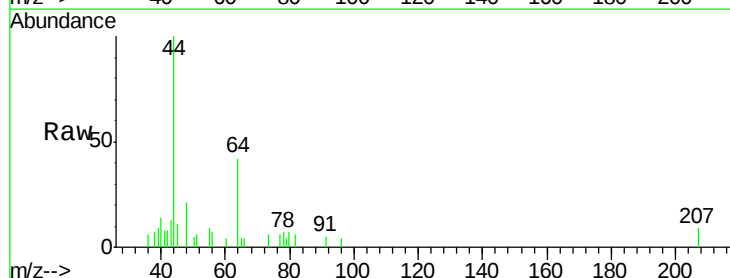
Tgt Ion: 59 Resp: 1842
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

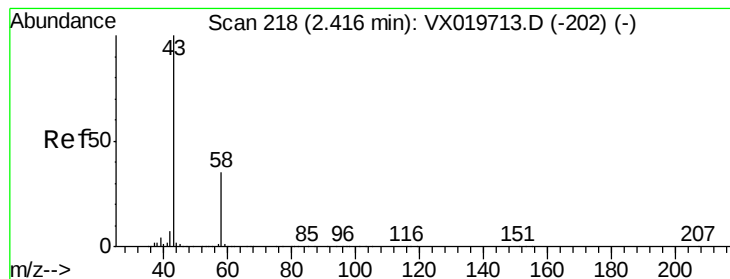


#13

Acrolein
Concen: 0.275 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 154.6 56.4 84.6#





#16

Acetone

Concen: 21.590 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampleId :

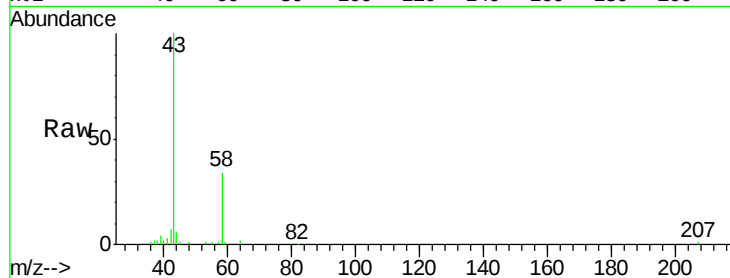
TR2-D-TOP

Tgt Ion: 43 Resp: 31847

Ion Ratio Lower Upper

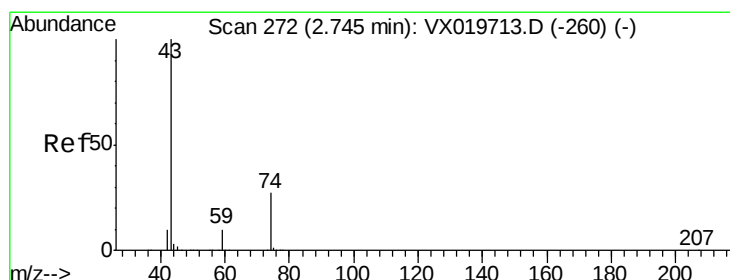
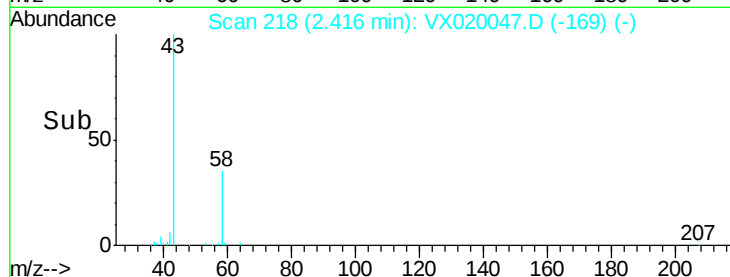
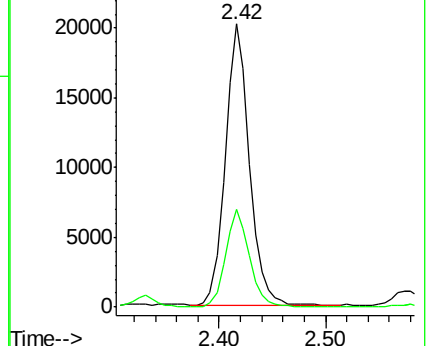
43 100

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: 0.494 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX020047.D

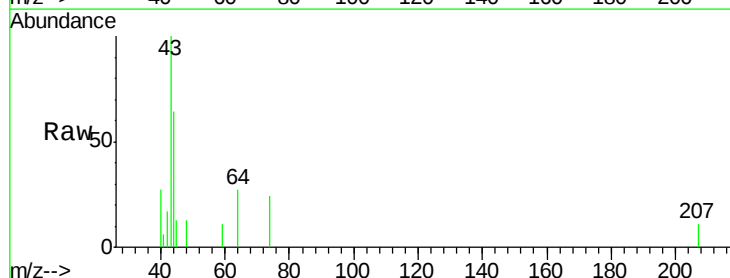
Acq: 16 Dec 2020 05:44

Tgt Ion: 43 Resp: 1782

Ion Ratio Lower Upper

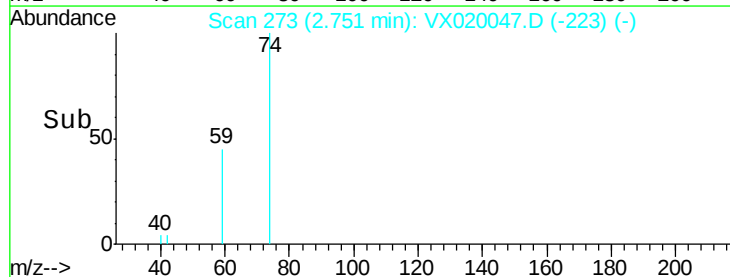
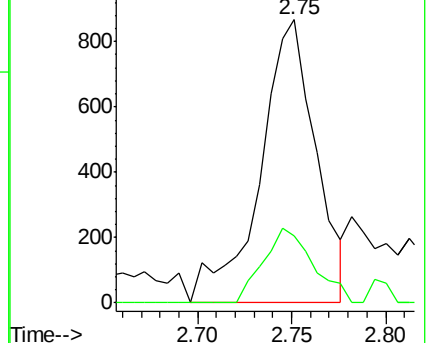
43 100

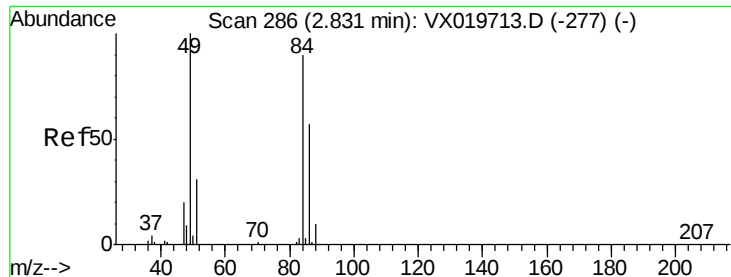
74 23.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

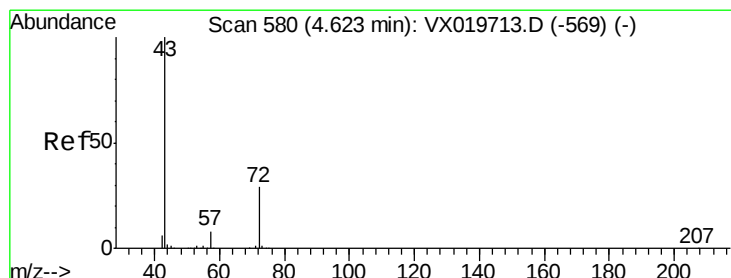
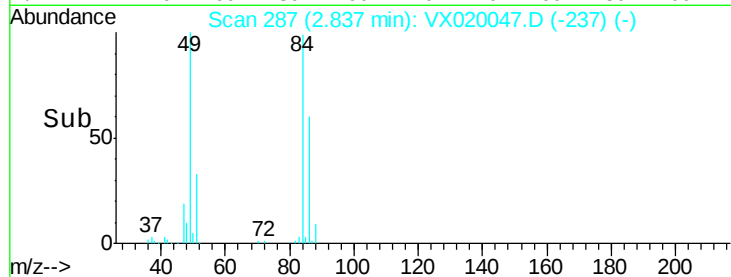
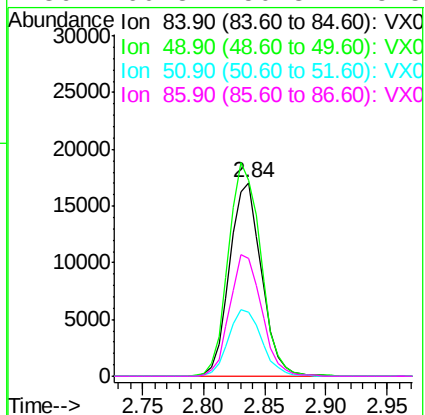
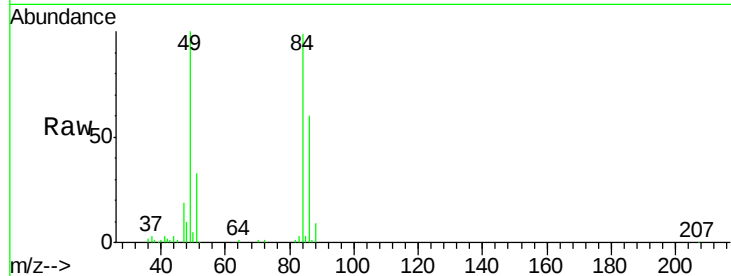




#20
Methylene Chloride
Concen: 7.925 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

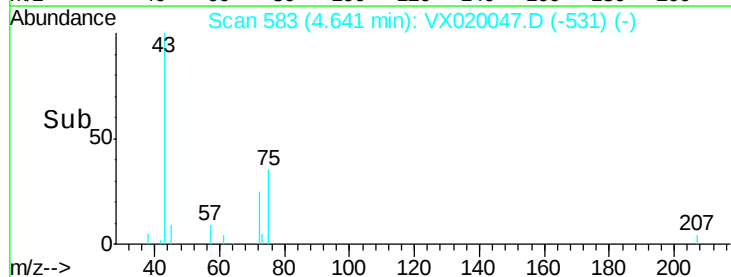
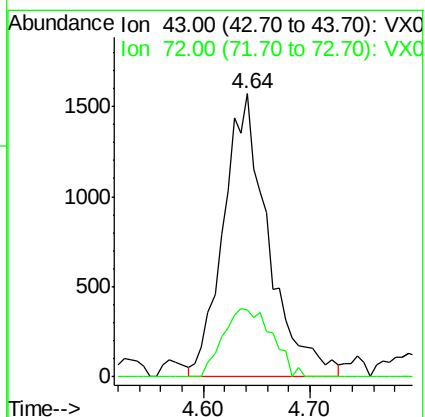
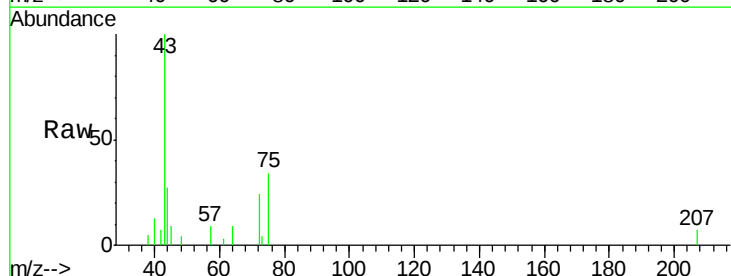
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

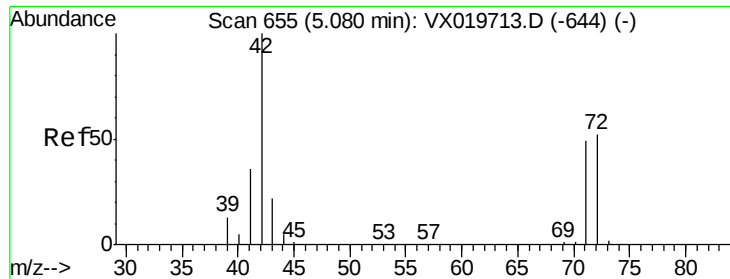
Tgt Ion:	84	Resp:	30717
Ion	Ratio	Lower	Upper
84	100		
49	101.4	88.6	132.8
51	33.1	27.0	40.6
86	60.8	50.3	75.5



#25
2-Butanone
Concen: 2.047 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

Tgt Ion:	43	Resp:	4639
Ion	Ratio	Lower	Upper
43	100		
72	24.6	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.463 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-TOP

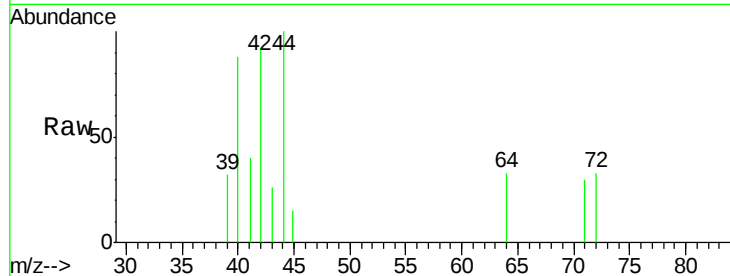
Tgt Ion: 42 Resp: 676

Ion Ratio Lower Upper

42 100

72 42.8 41.7 62.5

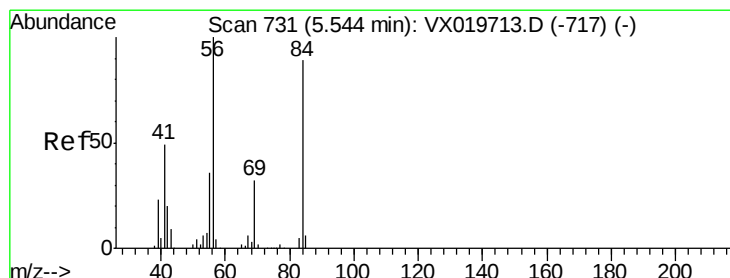
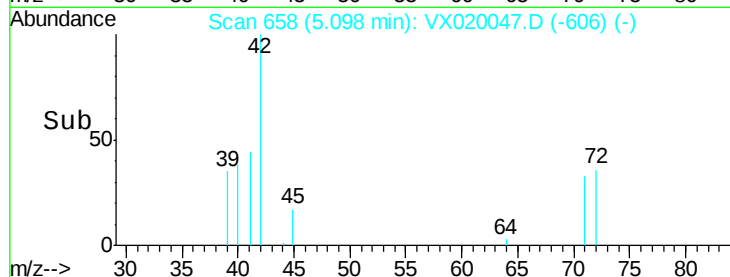
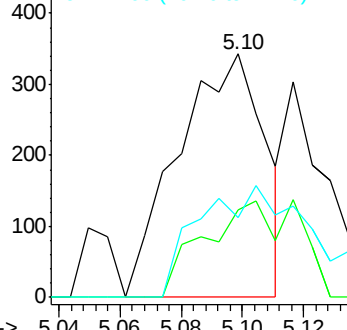
71 58.3 38.4 57.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

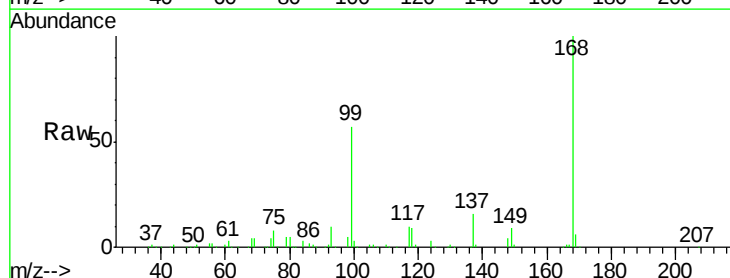
Tgt Ion: 56 Resp: 5710

Ion Ratio Lower Upper

56 100

69 198.9 25.3 37.9#

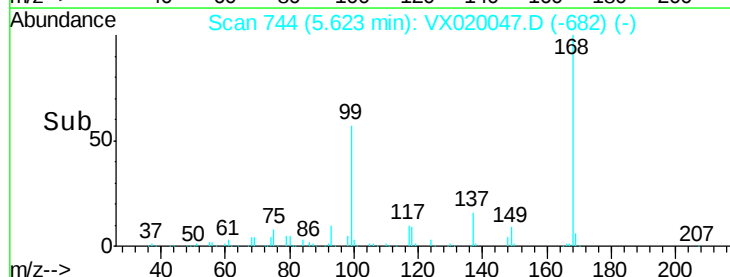
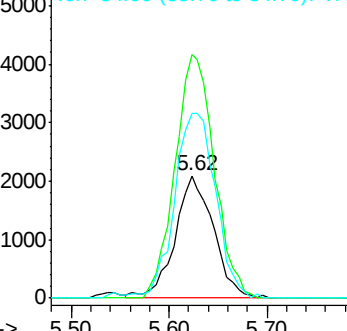
84 150.8 71.4 107.0#

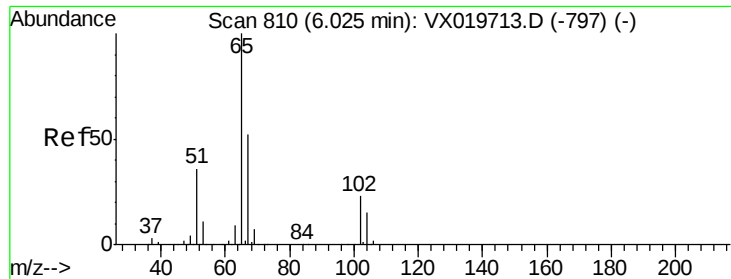


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

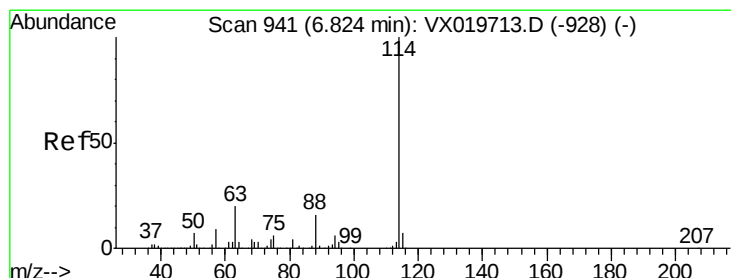
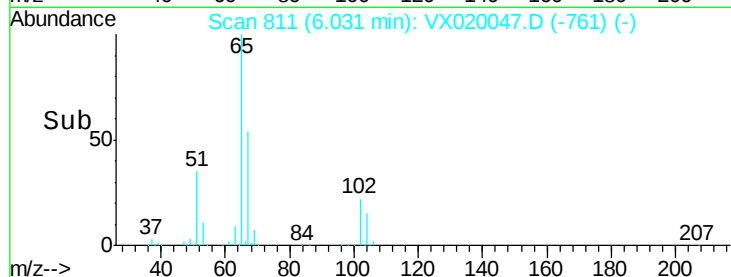
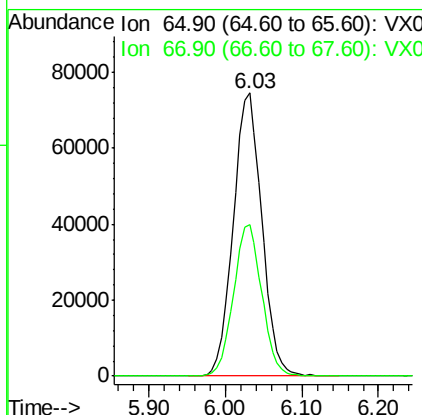
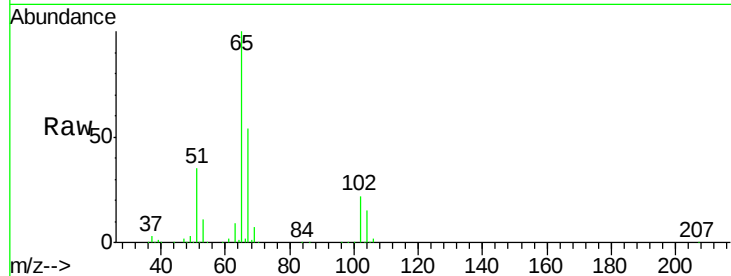




#33
 1,2-Dichloroethane-d4
 Concen: 49.172 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

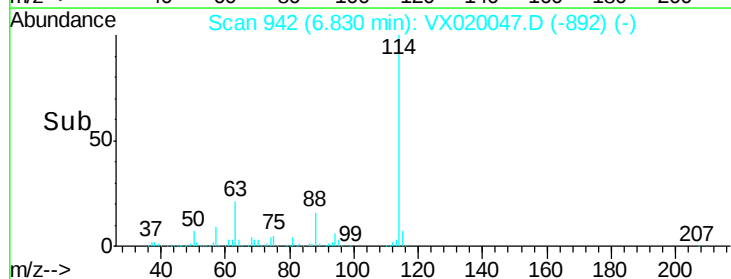
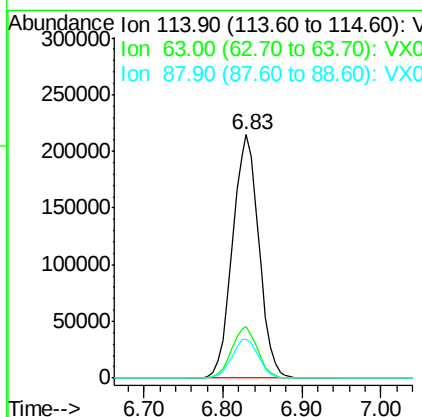
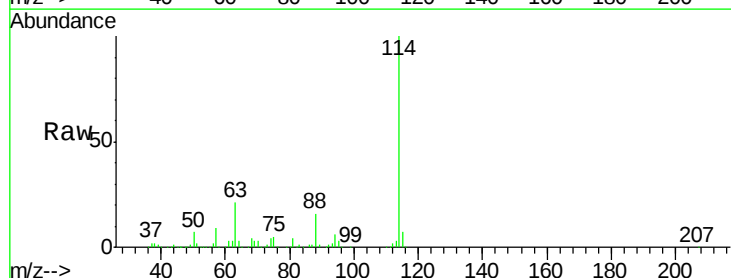
Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

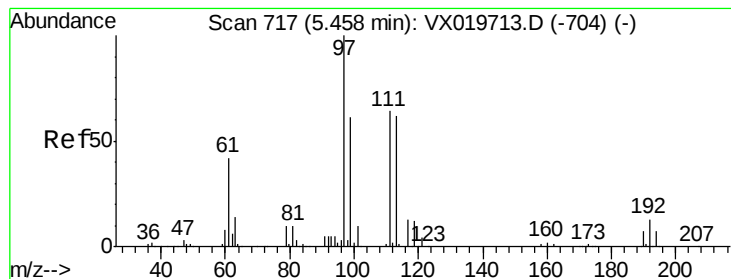
Tgt Ion: 65 Resp: 192967
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

Tgt Ion: 114 Resp: 497887
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.734 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-TOP

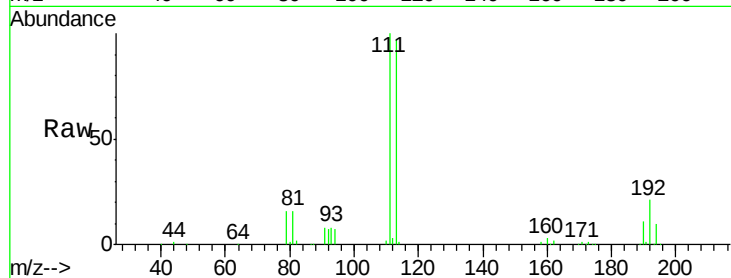
Tgt Ion:113 Resp: 153598

Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

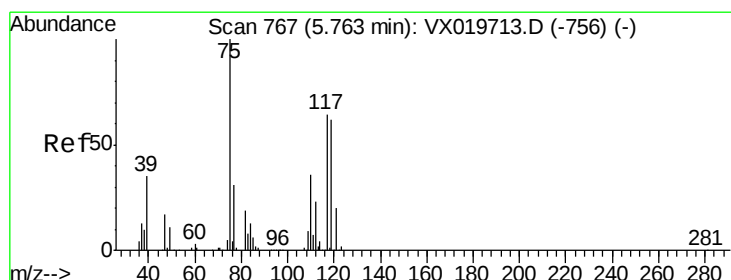
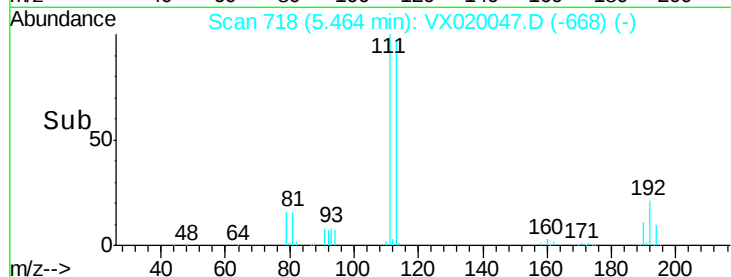
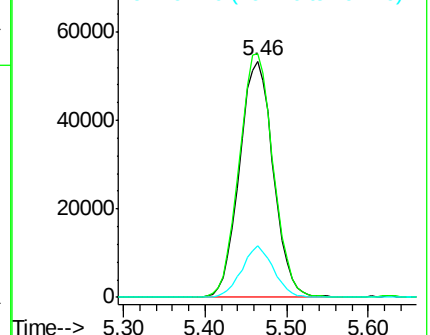
192 20.6 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

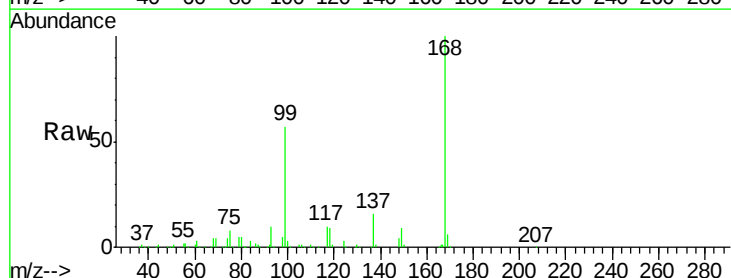
Tgt Ion: 75 Resp: 22992

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

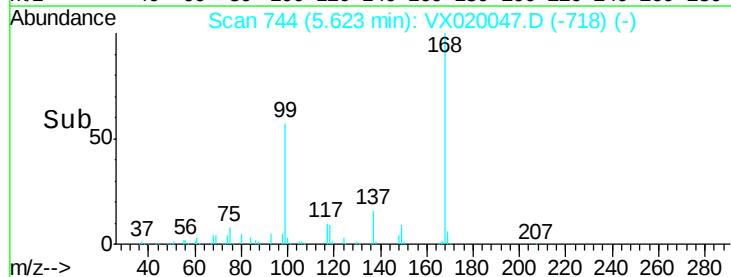
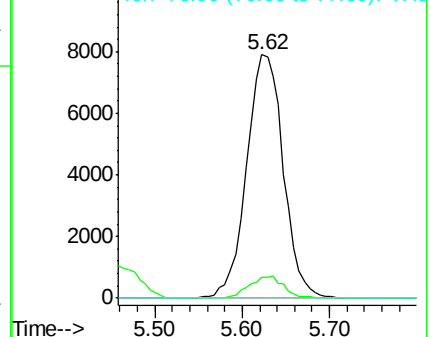
77 0.0 25.3 37.9#

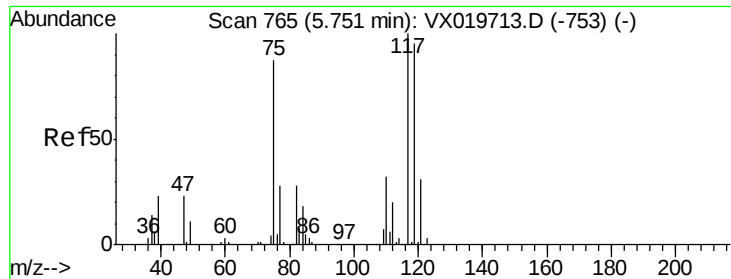


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.648 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampled :

TR2-D-TOP

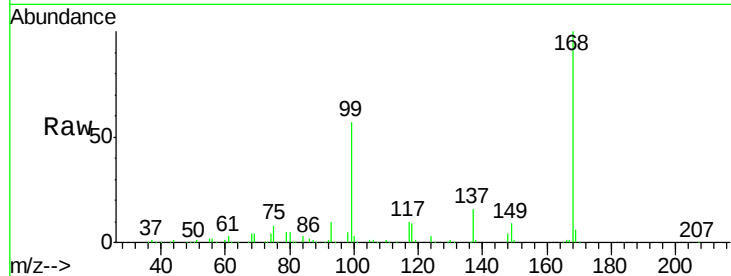
Tgt Ion:117 Resp: 29288

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

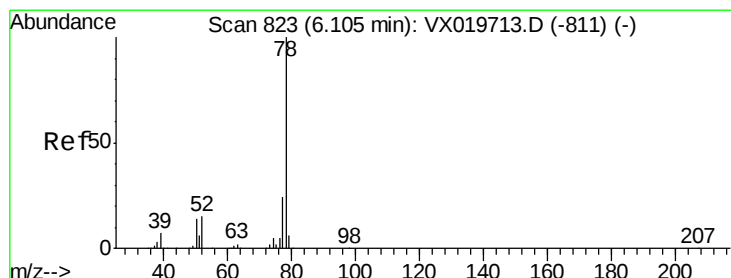
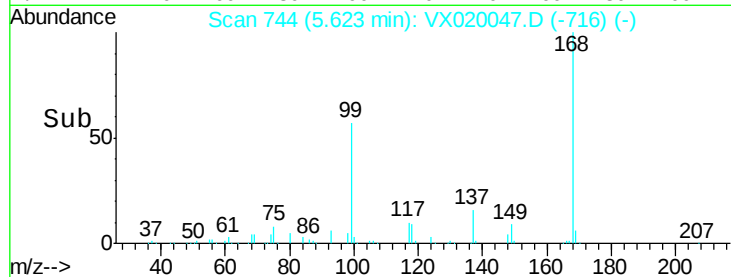
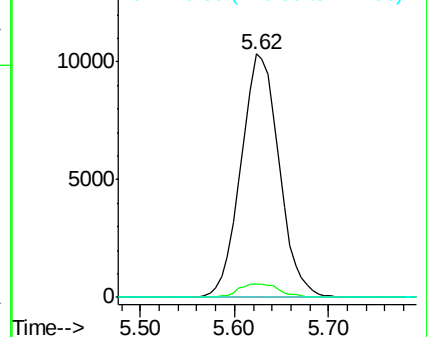
121 0.0 24.8 37.2#



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



#40

Benzene

Concen: 0.332 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX020047.D

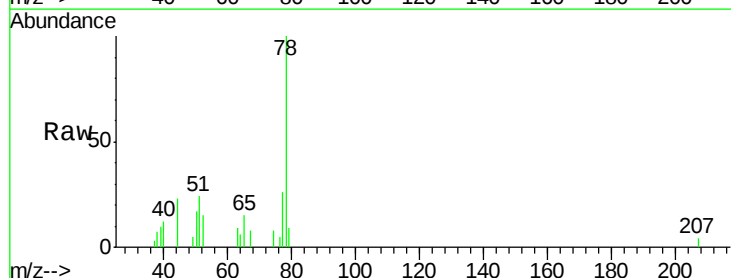
Acq: 16 Dec 2020 05:44

Tgt Ion: 78 Resp: 4556

Ion Ratio Lower Upper

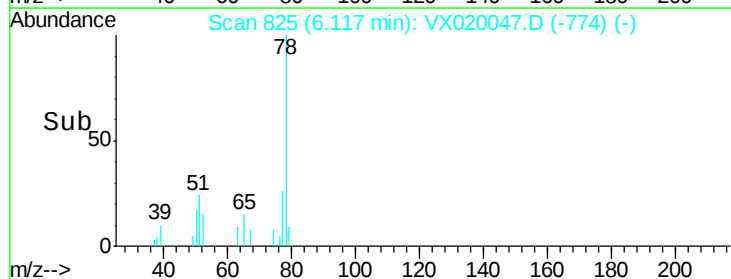
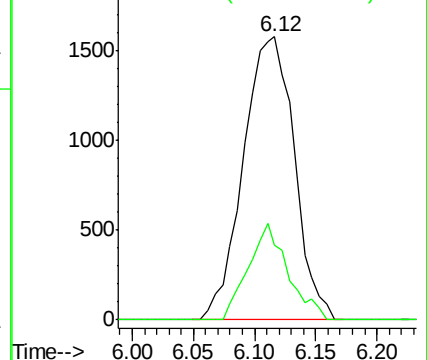
78 100

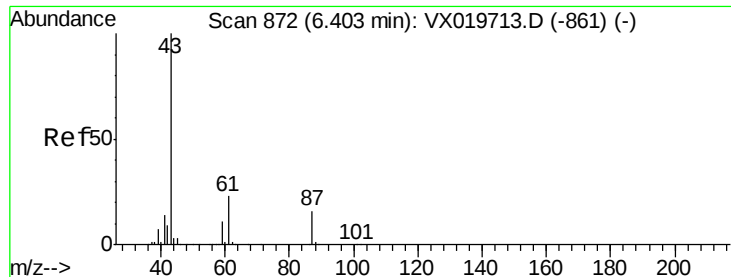
77 26.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#43

Isopropyl Acetate

Concen: 2.584 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-TOP

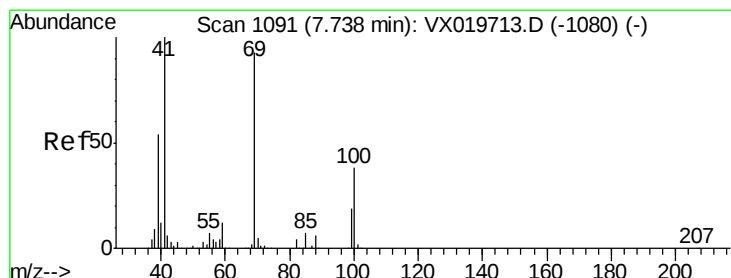
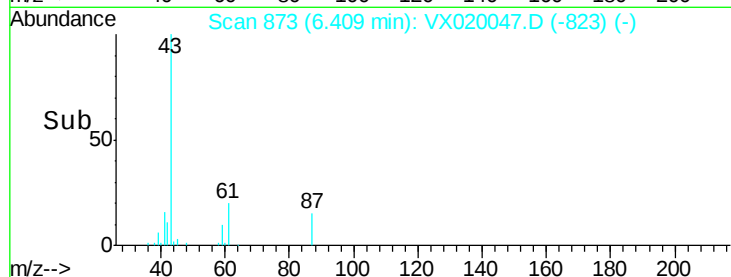
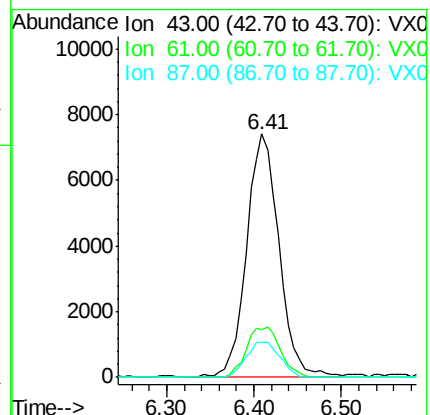
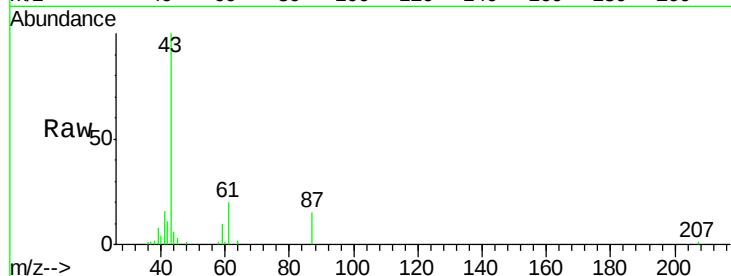
Tgt Ion: 43 Resp: 19083

Ion Ratio Lower Upper

43 100

61 21.6 18.2 27.4

87 14.9 12.5 18.7



#48

Methyl methacrylate

Concen: 1.869 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. -0.09 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

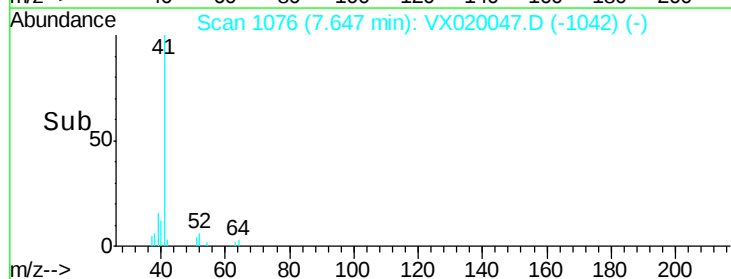
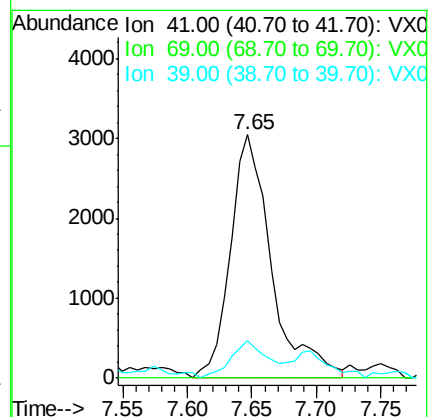
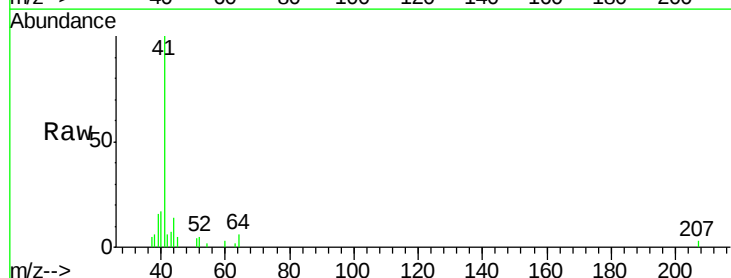
Tgt Ion: 41 Resp: 6789

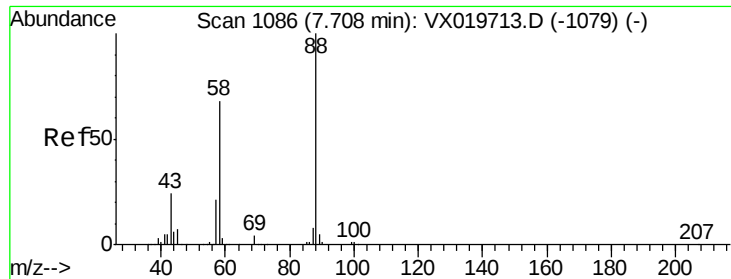
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 1.648 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.14 min

Lab File: VX020047.D

Acq: 16 Dec 2020 05:44

Instrument :

MSVOA_X

ClientSampleId :

TR2-D-TOP

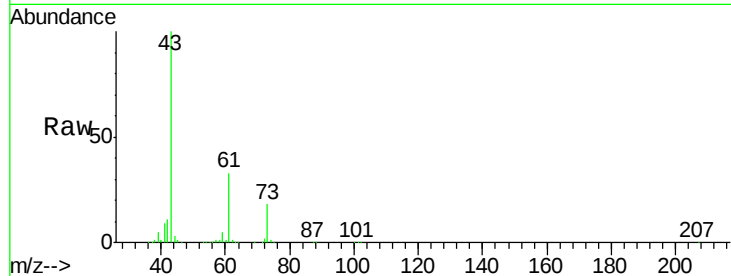
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 538642.1 23.2 34.8#

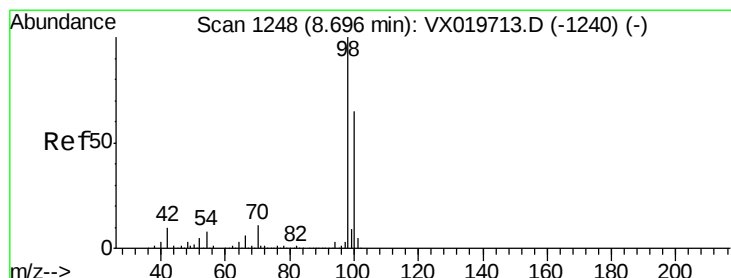
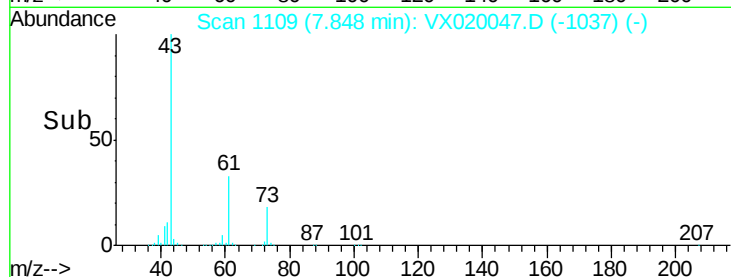
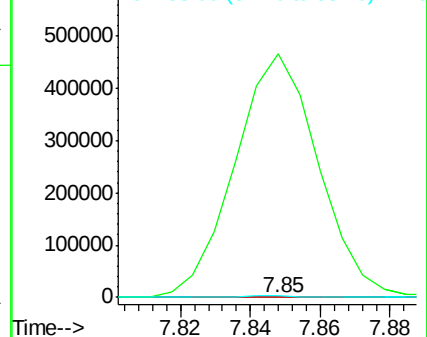
58 3093.1 55.0 82.4#



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: 50.064 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020047.D

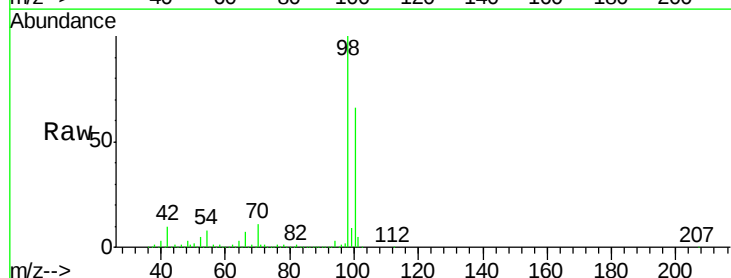
Acq: 16 Dec 2020 05:44

Tgt Ion: 98 Resp: 615021

Ion Ratio Lower Upper

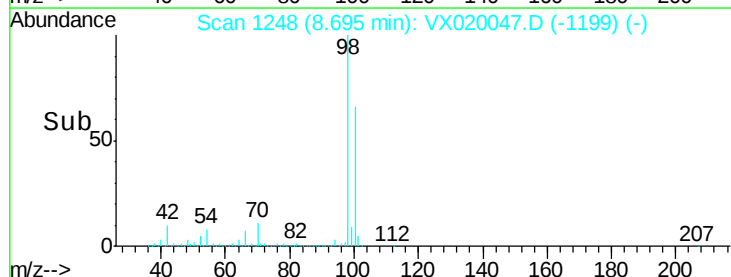
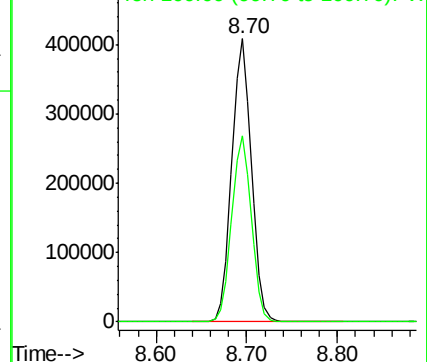
98 100

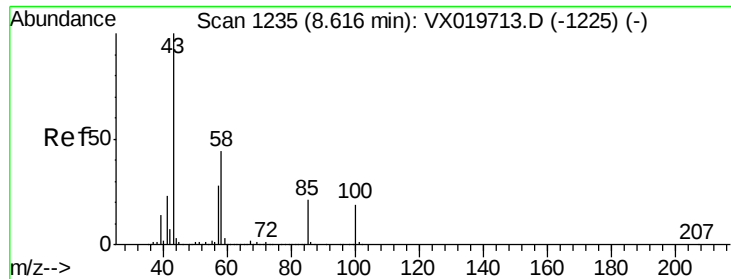
100 66.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

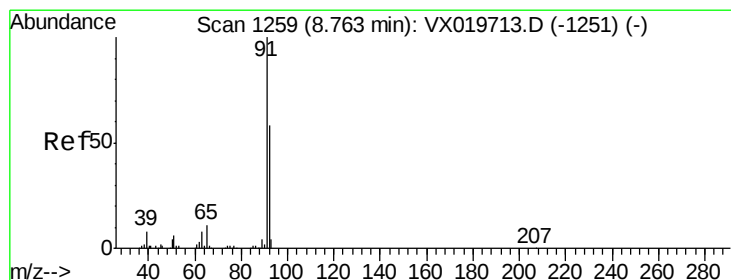
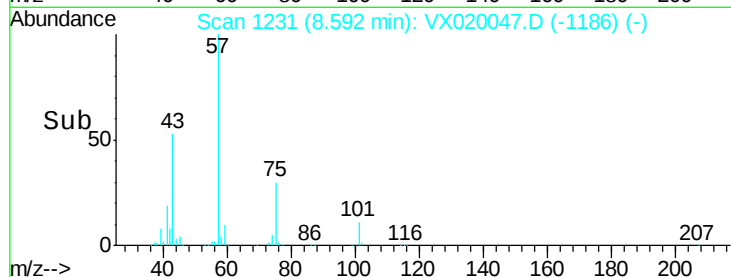
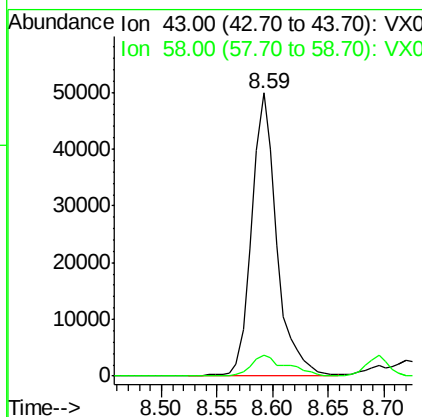
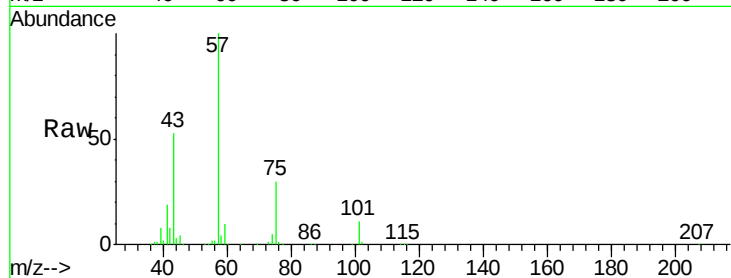




#51
 4-Methyl-2-Pentanone
 Concen: 17.258 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

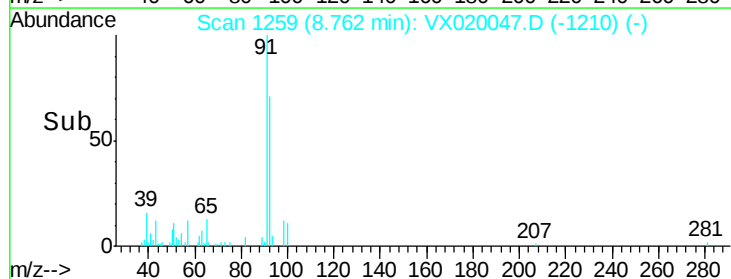
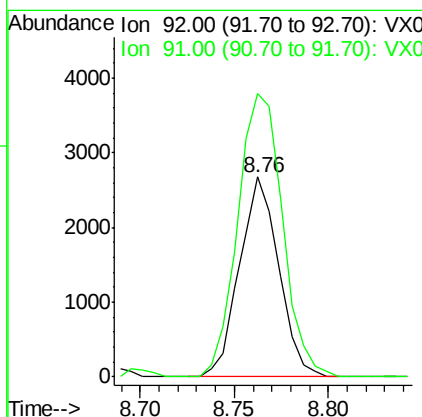
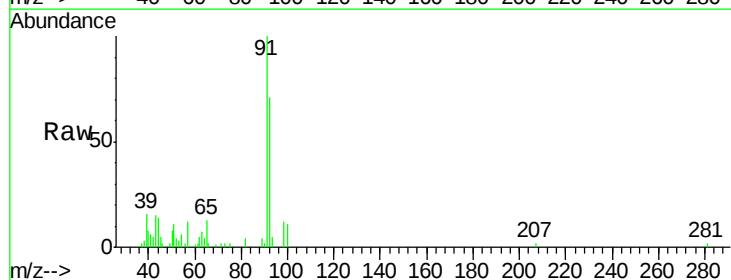
Instrument :
 MSVOA_X
 ClientSampled :
 TR2-D-TOP

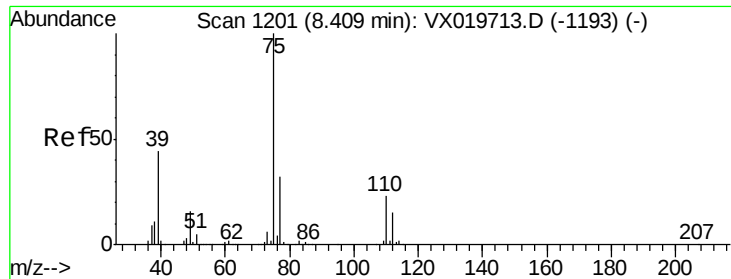
Tgt Ion: 43 Resp: 77816
 Ion Ratio Lower Upper
 43 100
 58 10.5 35.4 53.0#



#52
 Toluene
 Concen: 0.449 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

Tgt Ion: 92 Resp: 3861
 Ion Ratio Lower Upper
 92 100
 91 161.6 137.1 205.7

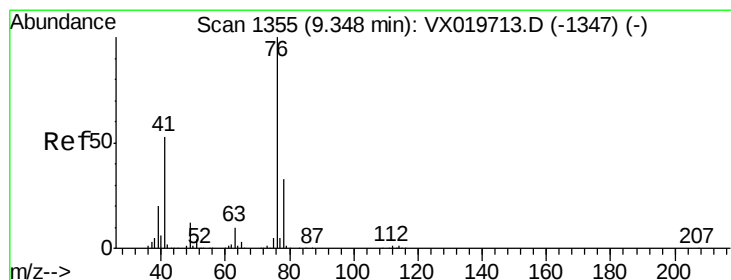
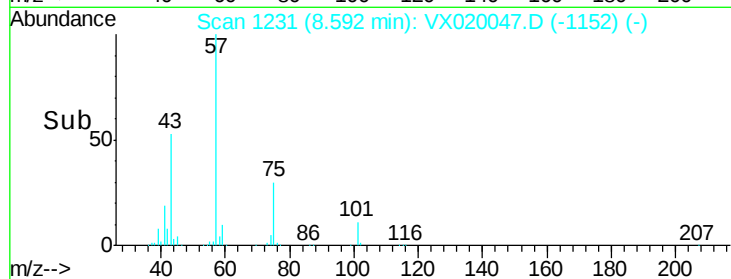
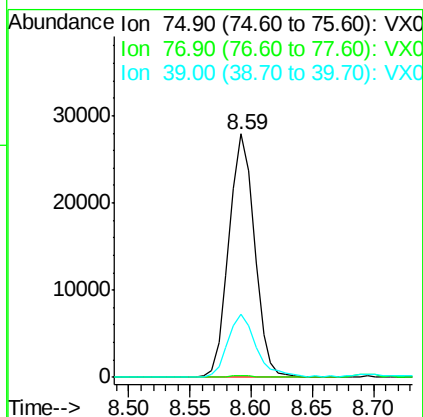
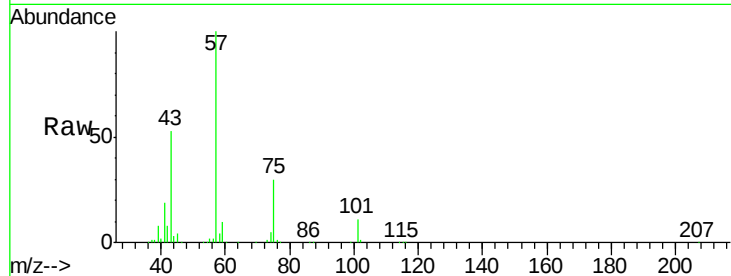




#54
 cis-1,3-Dichloropropene
 Concen: 7.292 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

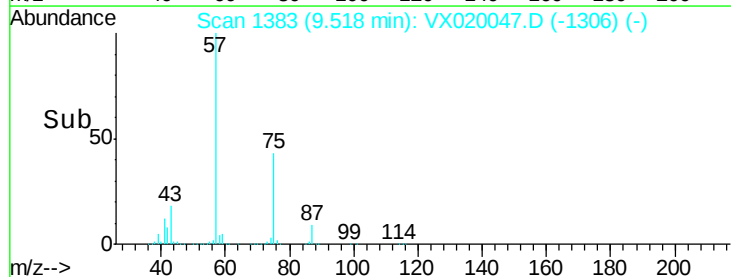
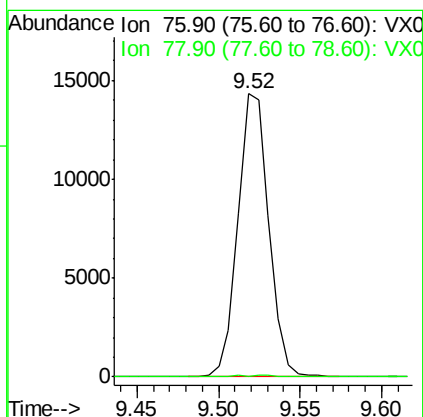
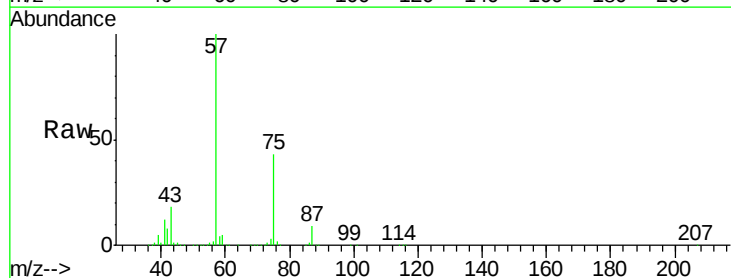
Instrument :
 MSVOA_X
 ClientSampled :
 TR2-D-TOP

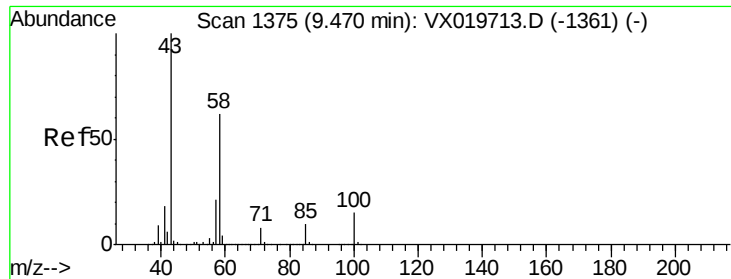
Tgt Ion: 75 Resp: 40464
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 25.9 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 3.196 ug/l
 RT: 9.52 min Scan# 1383
 Delta R.T. 0.17 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

Tgt Ion: 76 Resp: 18903
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

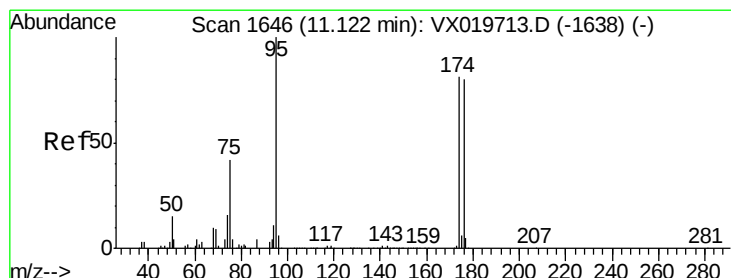
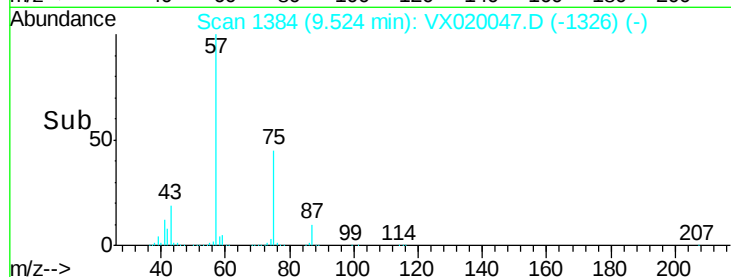
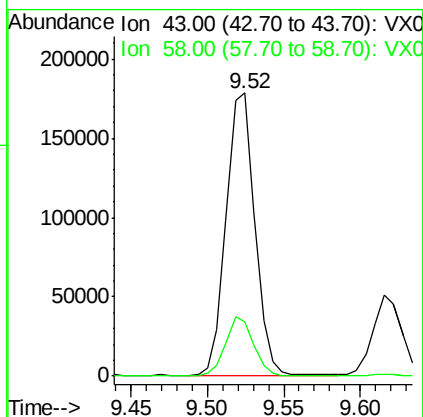
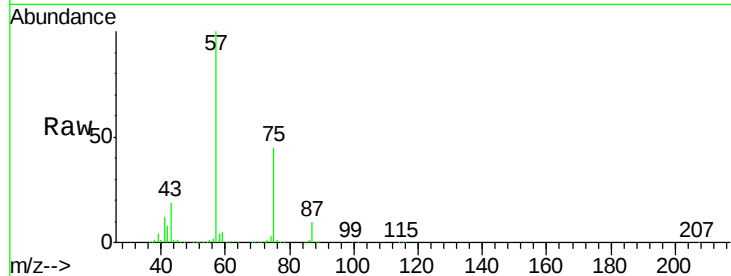




#59
2-Hexanone
Concen: 66.734 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

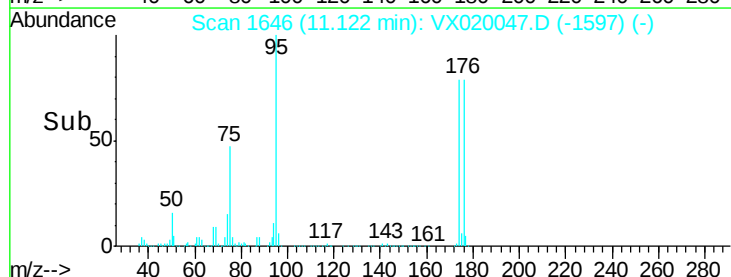
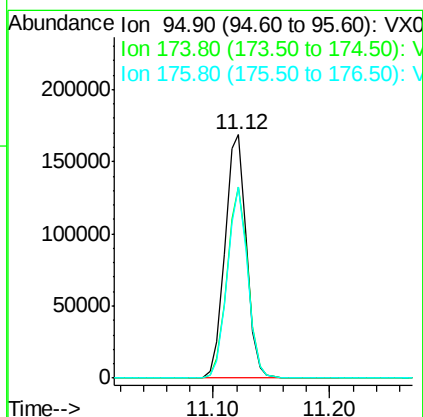
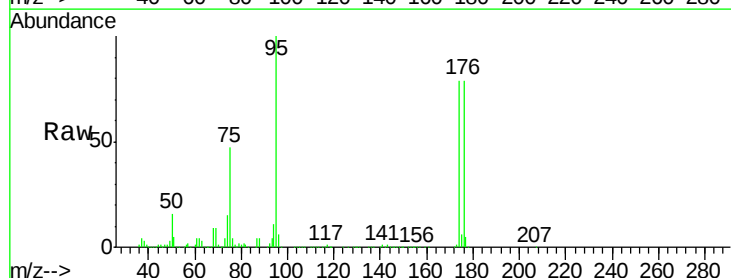
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

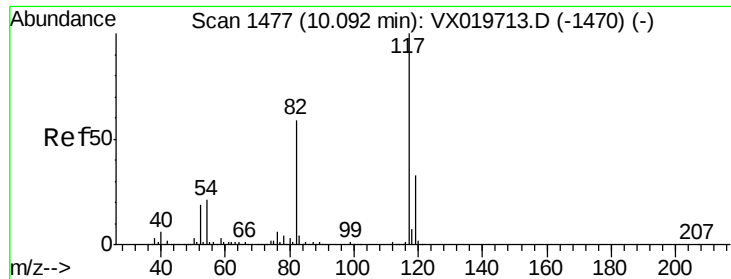
Tgt Ion: 43 Resp: 233239
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.848 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

Tgt Ion: 95 Resp: 214369
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.6
176 75.1 0.0 155.8

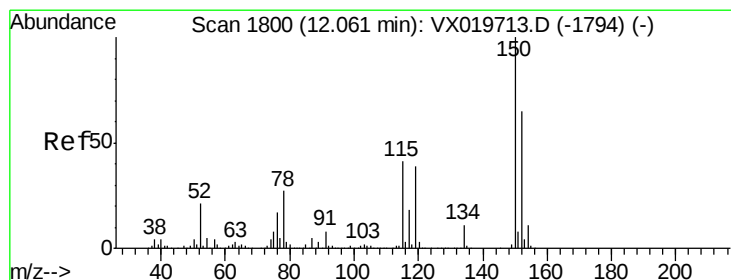
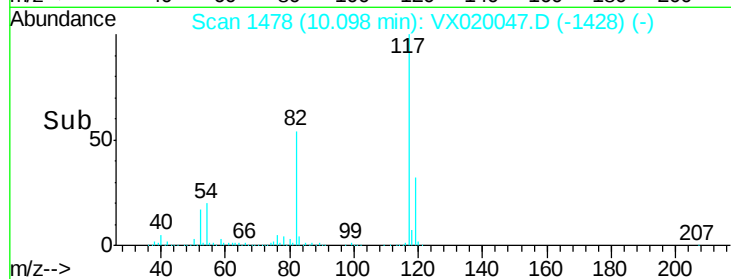
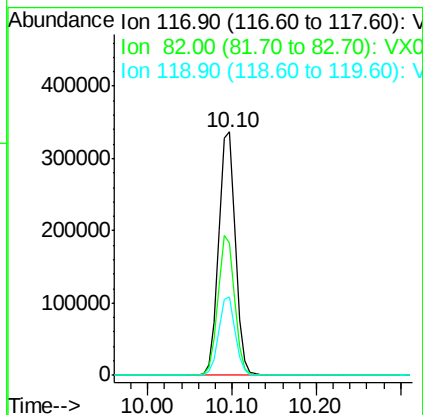
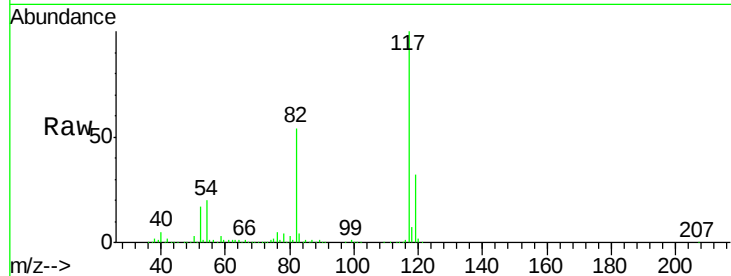




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

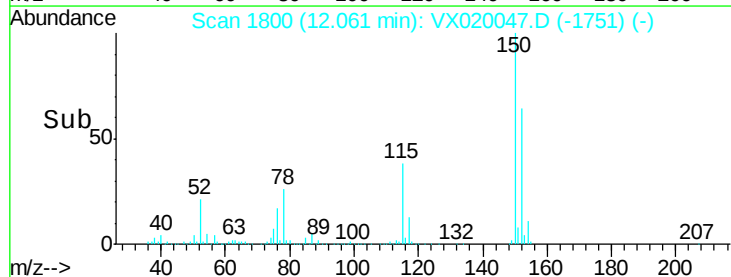
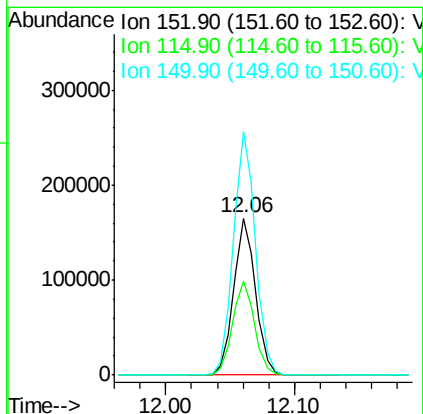
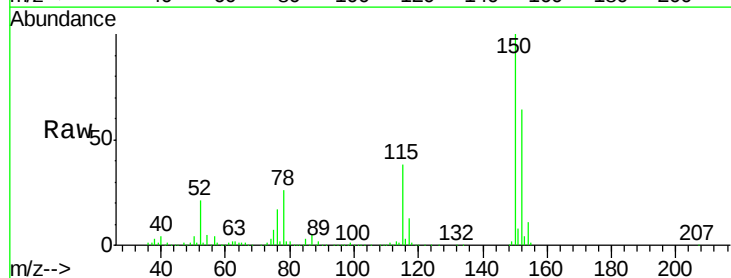
Instrument :
MSVOA_X
ClientSampleId :
TR2-D-TOP

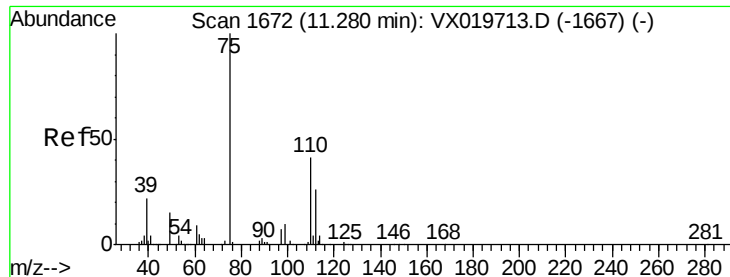
Tgt Ion:117 Resp: 465598
Ion Ratio Lower Upper
117 100
82 54.3 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020047.D
Acq: 16 Dec 2020 05:44

Tgt Ion:152 Resp: 195829
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 156.5 0.0 349.0

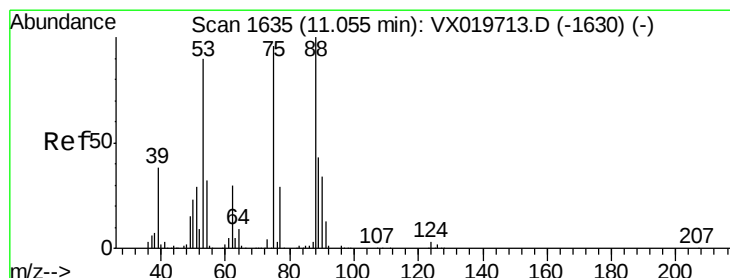
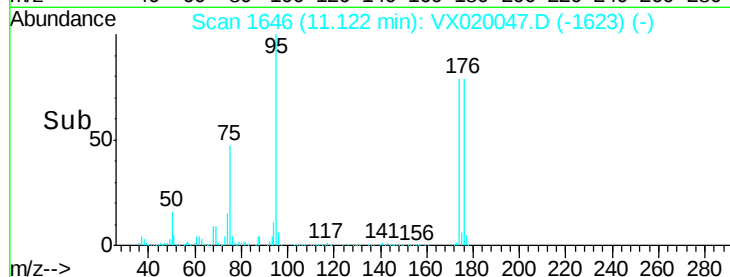
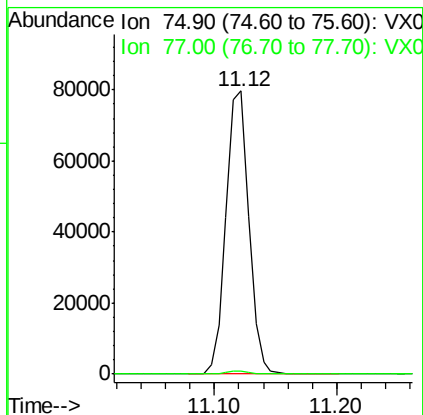
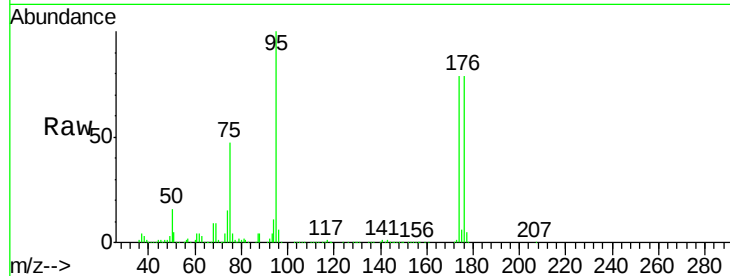




#76
 1,2,3-Trichloropropane
 Concen: 23.467 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TR2-D-TOP

Tgt Ion: 75 Resp: 103070
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.839 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX020047.D
 Acq: 16 Dec 2020 05:44

Tgt Ion: 75 Resp: 103070
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

