

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003096.D
 Acq On : 02 Jul 2020 19:34
 Operator : SY/MD
 Sample : L3211-04
 Misc : 9.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4_11-11.5

Quant Time: Jul 03 02:39:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	305188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	486217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	466277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	233382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	161596	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.72	113	161477	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.18	98	587510	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.48	95	206743	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

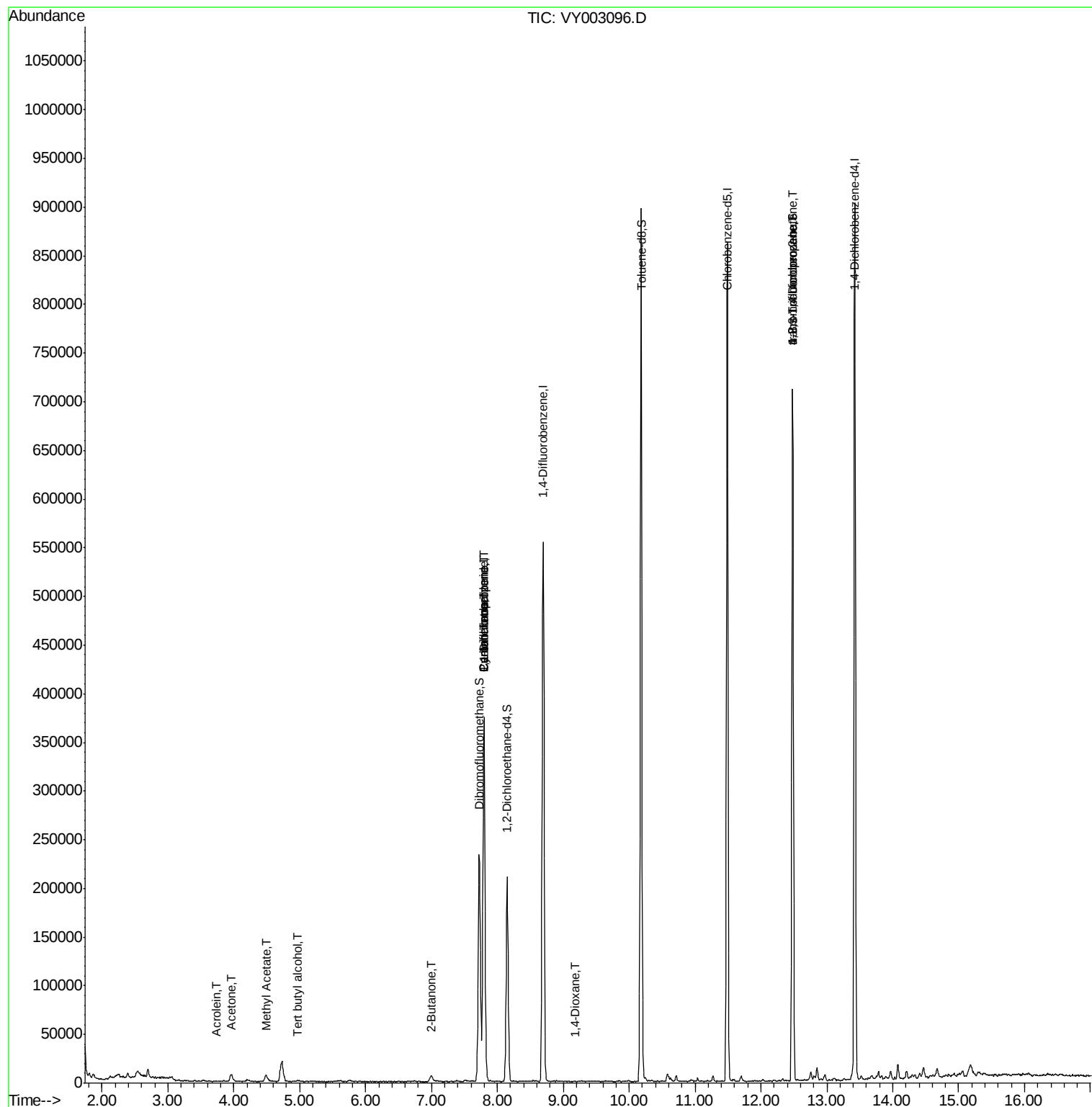
					Qvalue
11) Tert butyl alcohol	4.97	59	2713	8.783 ug/l #	75
13) Acrolein	3.75	56	387	1.395 ug/l	95
16) Acetone	3.96	43	13992	19.572 ug/l	91
18) Methyl Acetate	4.49	43	13136	6.820 ug/l	91
20) Methylene Chloride	4.73	84	16590	Below Cal	89
25) 2-Butanone	7.01	43	5545	4.883 ug/l	90
31) Cyclohexane	7.79	56	5706	1.070 ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20483	4.374 ug/l #	45
38) Carbon Tetrachloride	7.80	117	27919	5.730 ug/l #	17
49) 1,4-Dioxane	9.19	88	44	1.871 ug/l #	23
76) 1,2,3-Trichloropropane	12.48	75	106498	46.108 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	106498	89.706 ug/l #	12

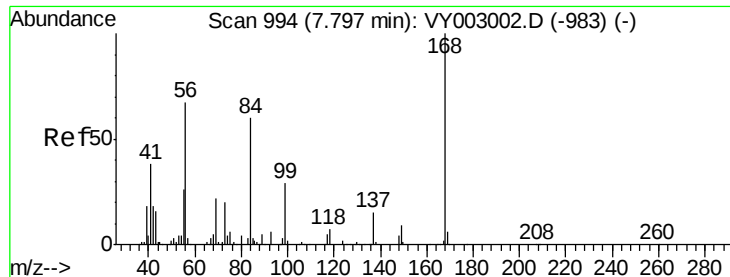
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 03 02:39:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

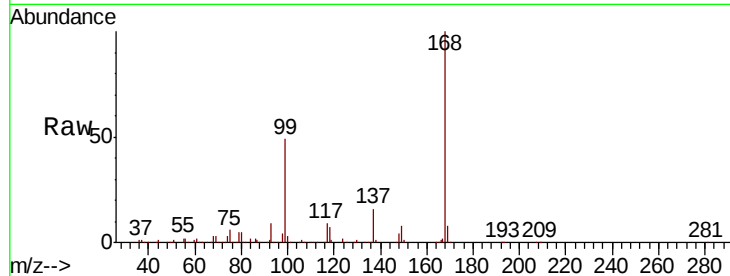
SB-4_11-11.5

Tot Ion:168 Resp: 305188

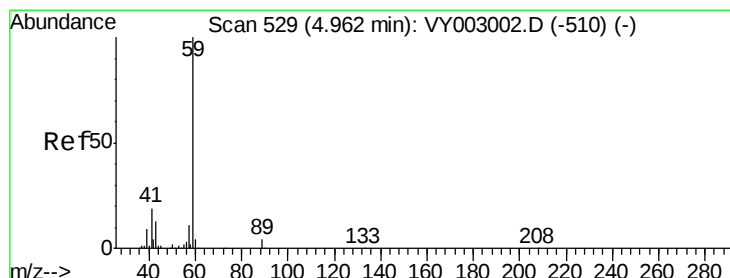
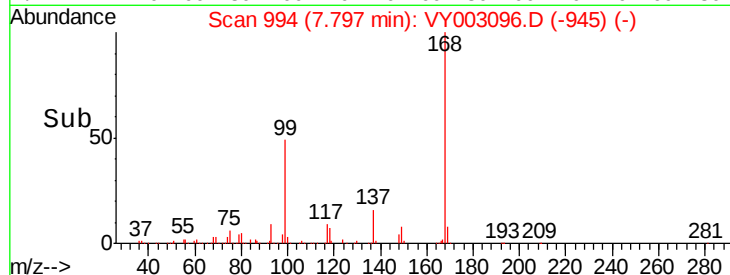
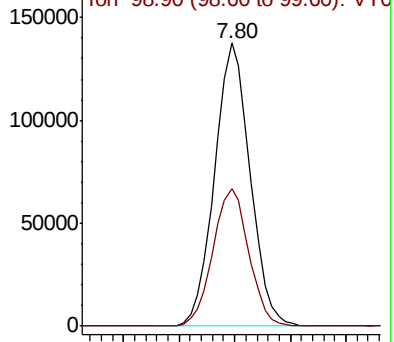
Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)



#11

Tert butyl alcohol

Concen: 8.783 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY003096.D

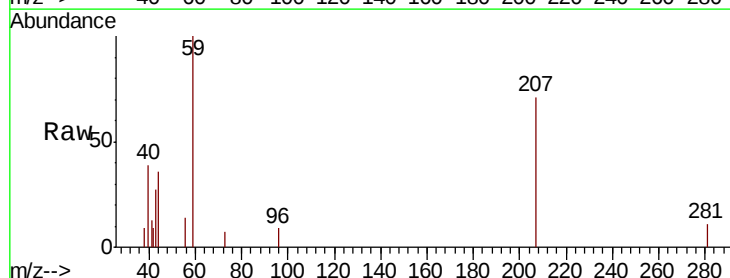
Acq: 02 Jul 2020 19:34

Tgt Ion: 59 Resp: 2713

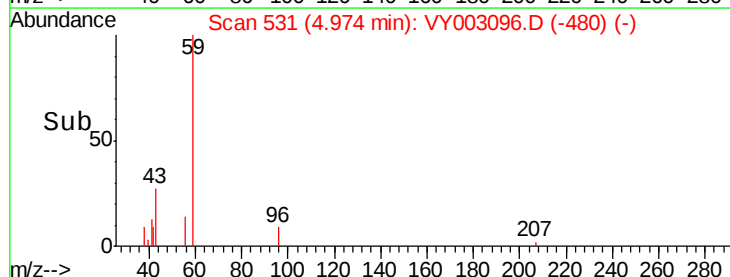
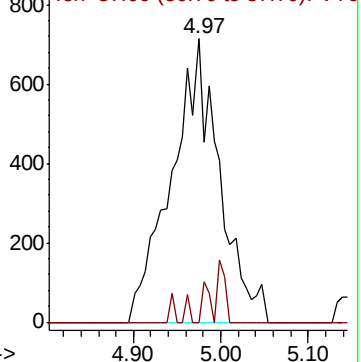
Ion Ratio Lower Upper

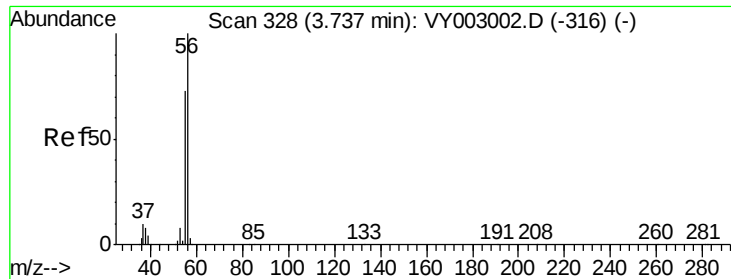
59 100

57 0.9 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003002.D (-510) (-)

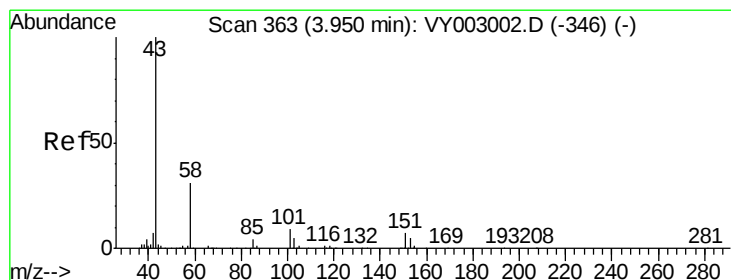
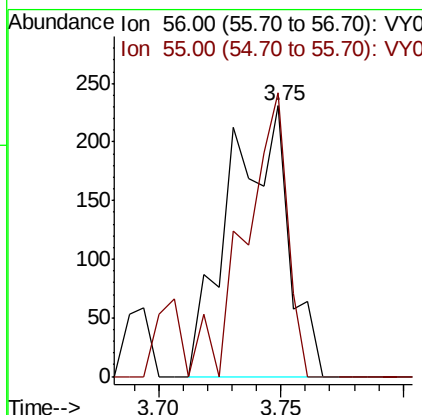
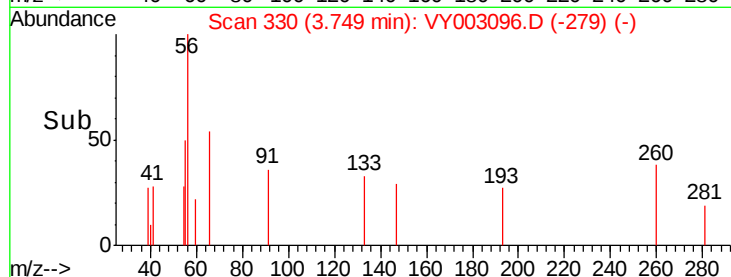
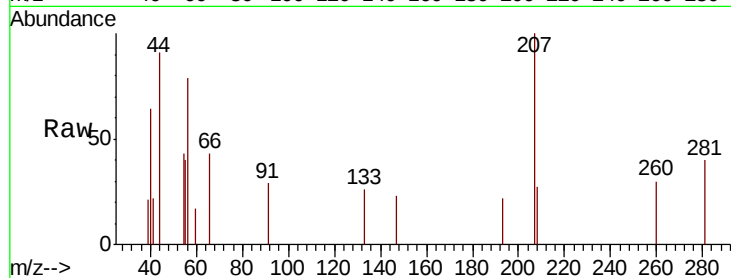




#13
Acrolein
Concen: 1.395 ug/l
RT: 3.75 min Scan# 330
Delta R.T. 0.01 min
Lab File: VY003096.D
Acq: 02 Jul 2020 19:34

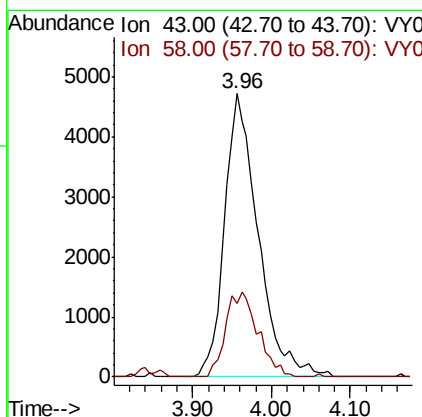
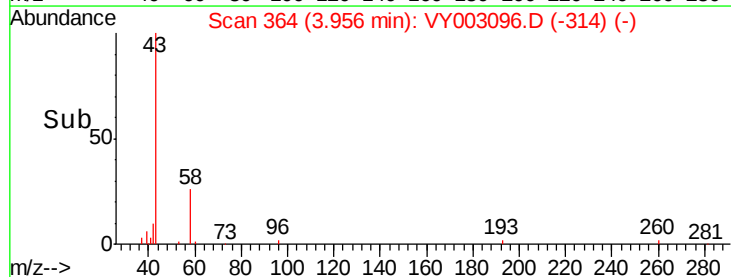
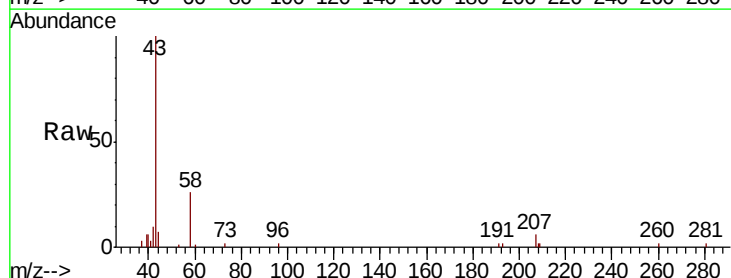
Instrument :
MSVOA_Y
ClientSampled :
SB-4_11-11.5

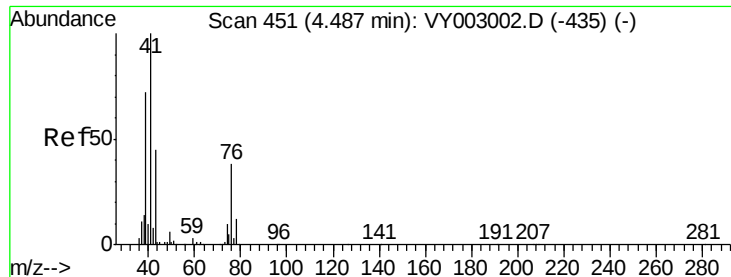
Tot Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
55 74.9 56.4 84.6



#16
Acetone
Concen: 19.572 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003096.D
Acq: 02 Jul 2020 19:34

Tgt Ion: 43 Resp: 13992
Ion Ratio Lower Upper
43 100
58 26.1 24.7 37.1

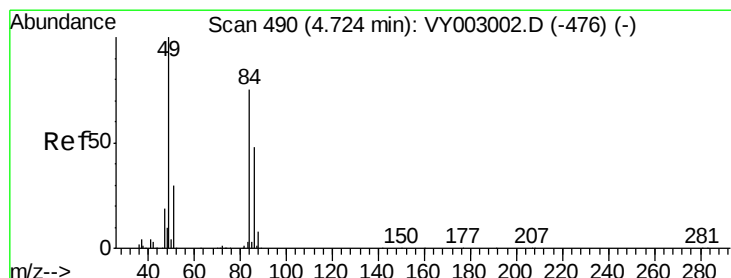
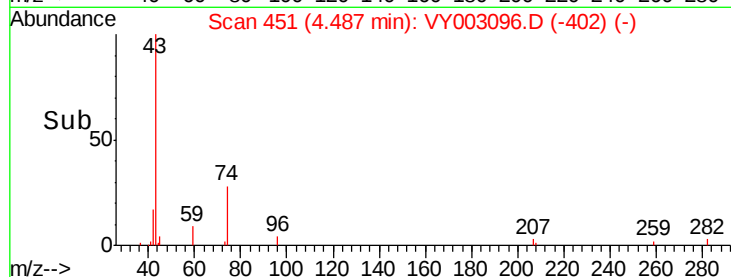
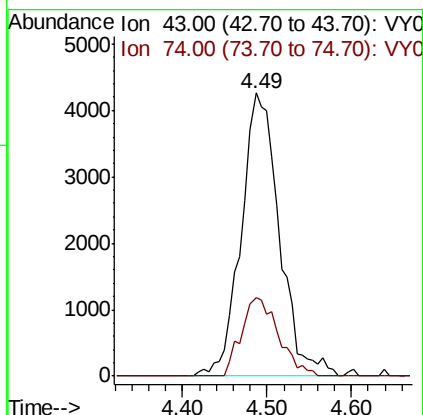
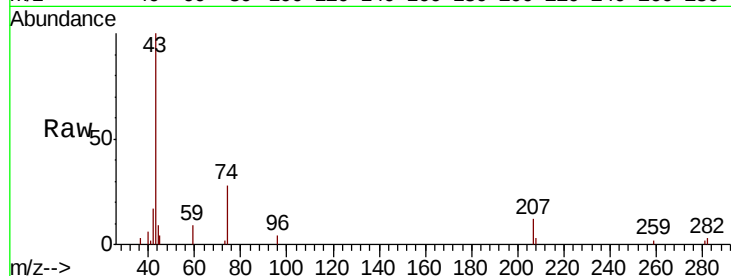




#18
Methyl Acetate
Concen: 6.820 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY003096.D
Acq: 02 Jul 2020 19:34

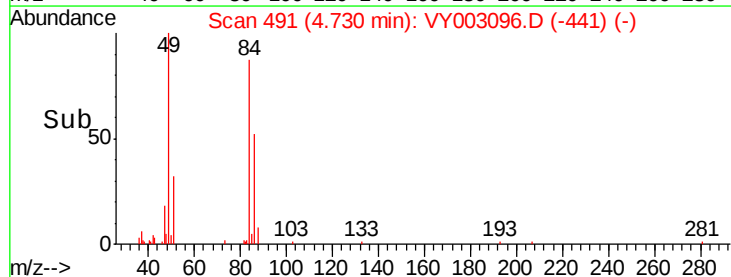
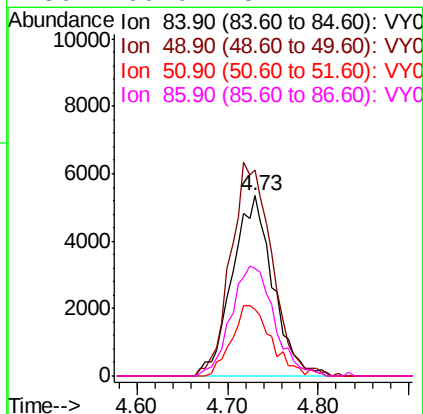
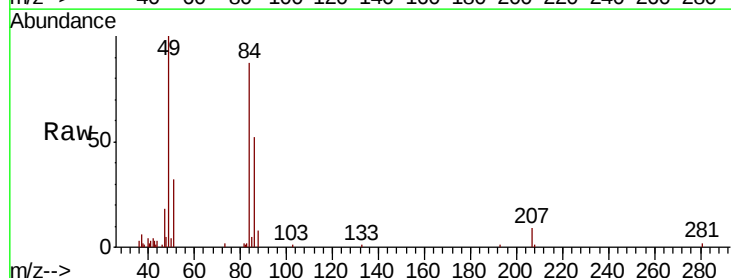
Instrument :
MSVOA_Y
ClientSampleId :
SB-4_11-11.5

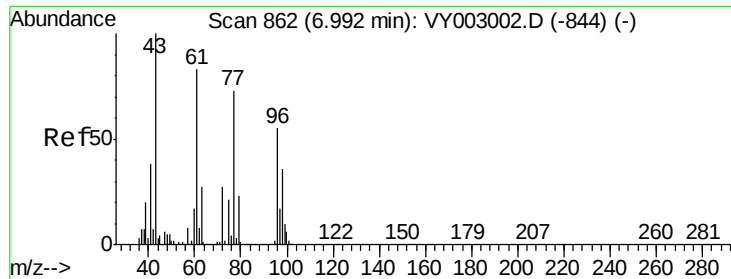
Tot Ion: 43 Resp: 13136
Ion Ratio Lower Upper
43 100
74 26.9 18.2 27.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003096.D
Acq: 02 Jul 2020 19:34

Tgt Ion: 84 Resp: 16590
Ion Ratio Lower Upper
84 100
49 114.4 106.8 160.2
51 36.9 32.0 48.0
86 60.0 51.4 77.2

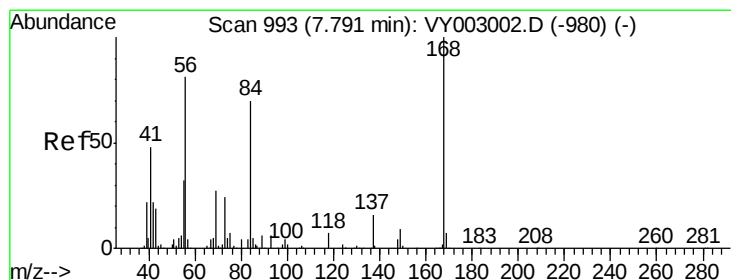
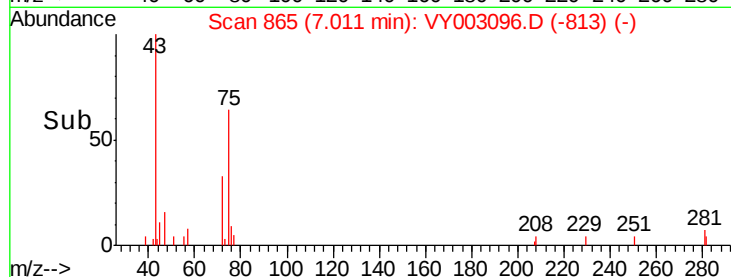
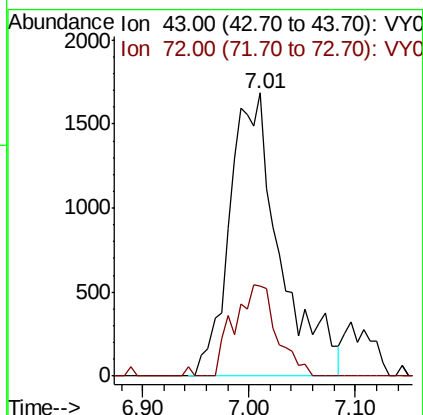
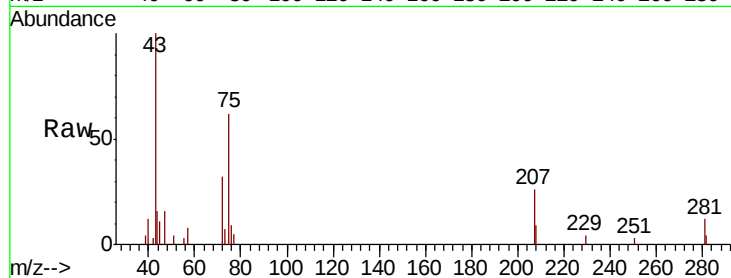




#25
2-Butanone
Concen: 4.883 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.02 min
Lab File: VY003096.D
Acq: 02 Jul 2020 19:34

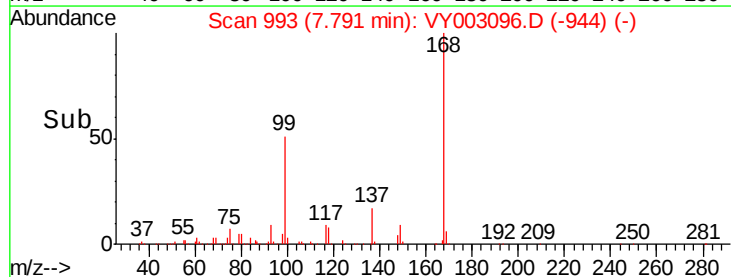
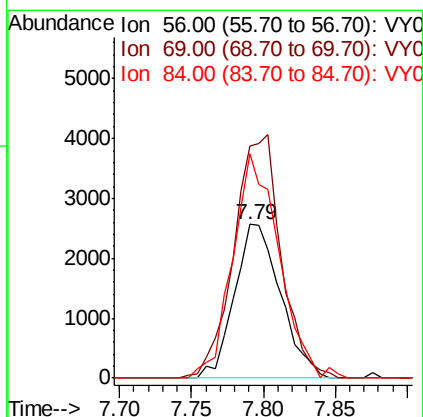
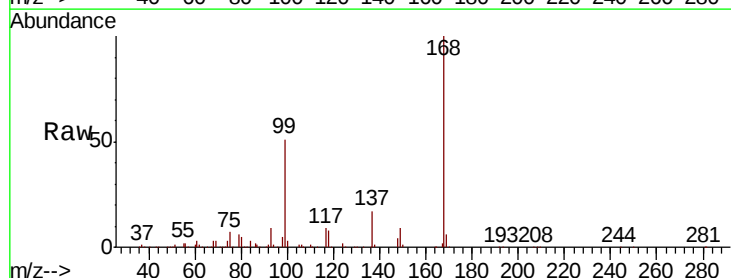
Instrument :
MSVOA_Y
ClientSampleId :
SB-4_11-11.5

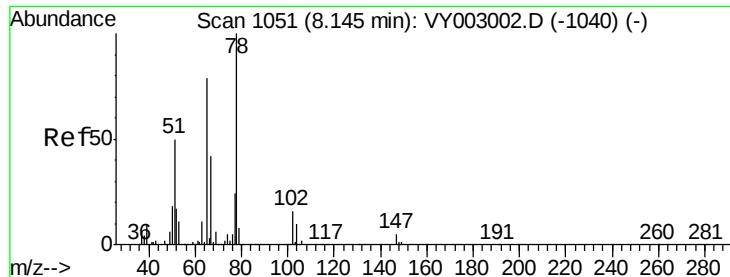
Tot Ion: 43 Resp: 5545
Ion Ratio Lower Upper
43 100
72 31.8 21.4 32.0



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003096.D
Acq: 02 Jul 2020 19:34

Tgt Ion: 56 Resp: 5706
Ion Ratio Lower Upper
56 100
69 150.9 27.0 40.4#
84 146.1 68.1 102.1#

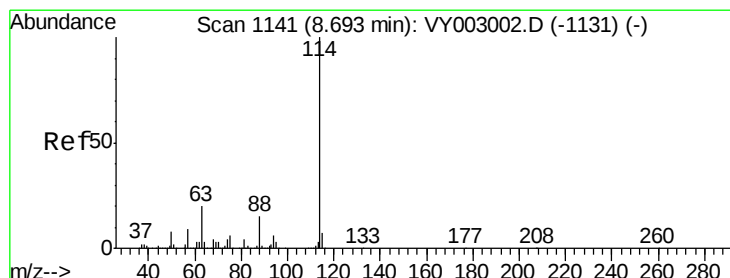
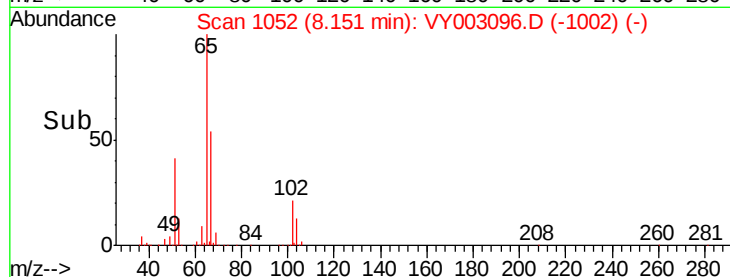
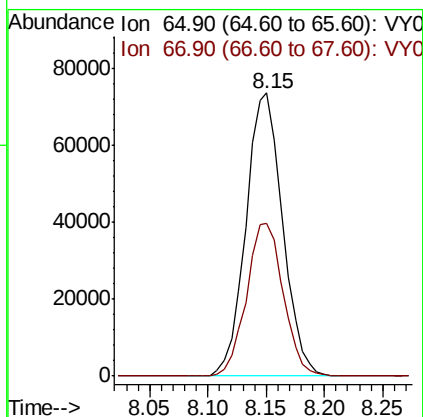
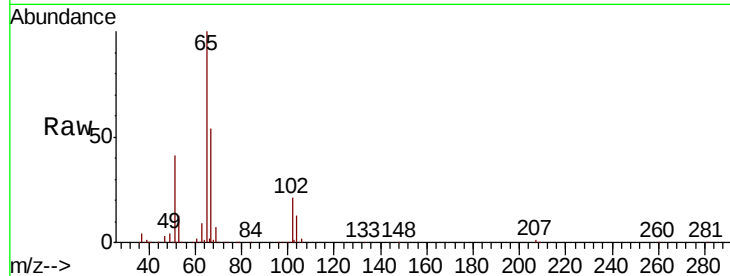




#33
 1,2-Dichloroethane-d4
 Concen: 53.312 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003096.D
 Acq: 02 Jul 2020 19:34

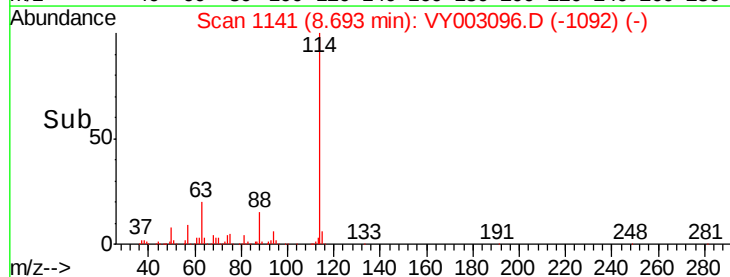
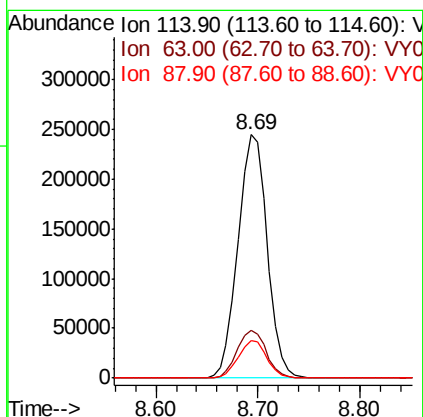
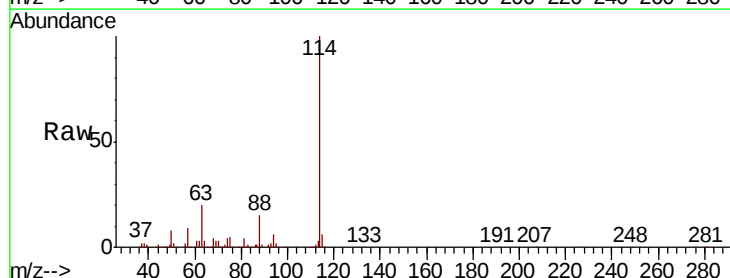
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4_11-11.5

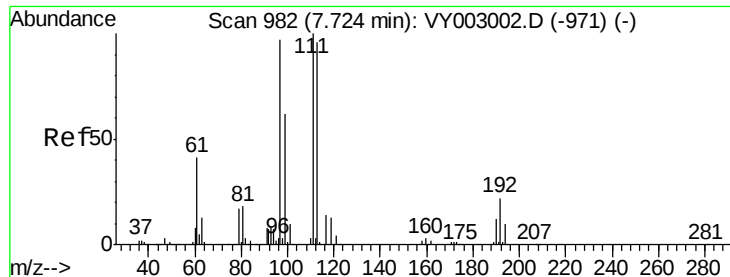
Tot Ion: 65 Resp: 161596
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003096.D
 Acq: 02 Jul 2020 19:34

Tgt Ion: 114 Resp: 486217
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 15.2 0.0 30.0

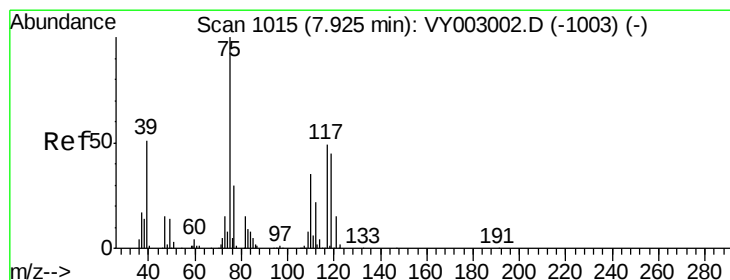
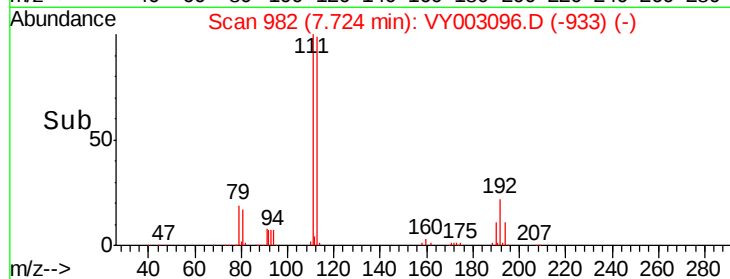
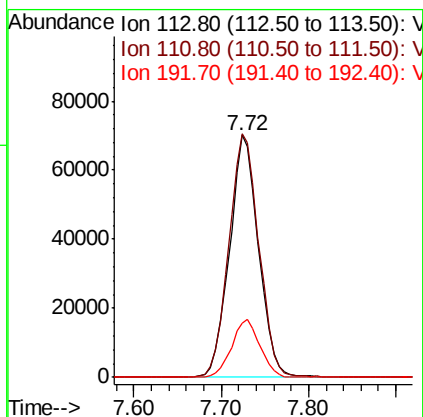
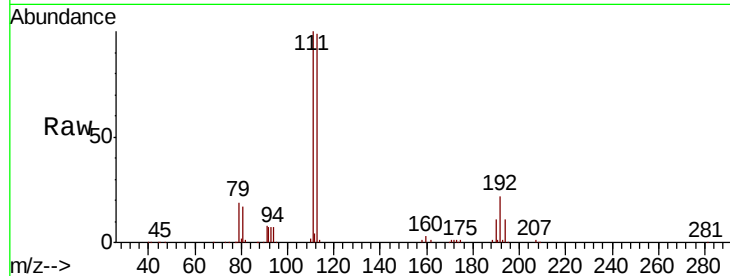




#35
 Dibromofluoromethane
 Concen: 53.238 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003096.D
 Acq: 02 Jul 2020 19:34

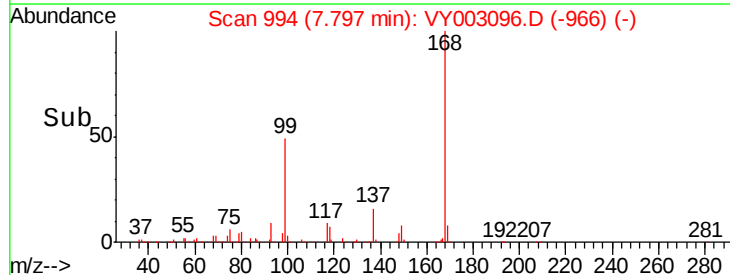
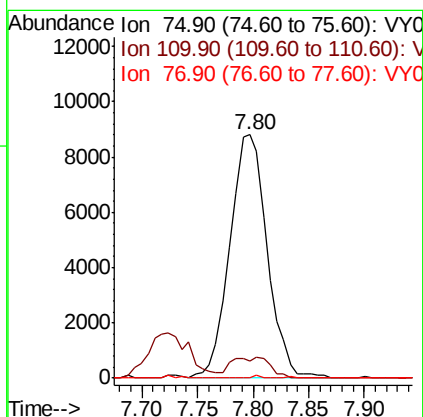
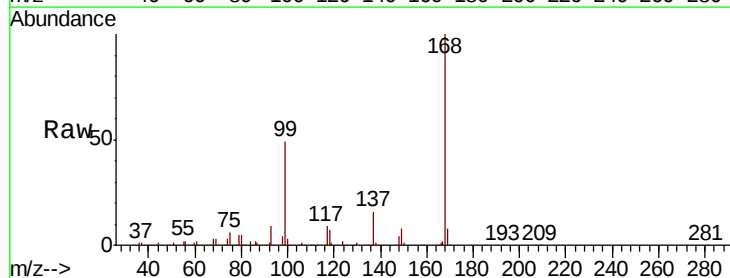
Instrument :
 MSVOA_Y
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 SB-4_11-11.5

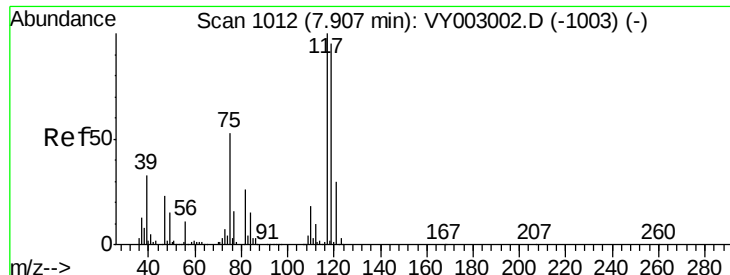
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	23.4	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.374 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003096.D
 Acq: 02 Jul 2020 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.2	17.1	51.2#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.730 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

SB-4_11-11.5

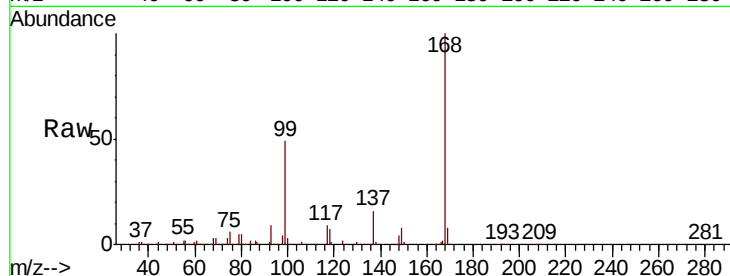
Tot Ion:117 Resp: 27919

Ion Ratio Lower Upper

117 100

119 5.9 75.7 113.5#

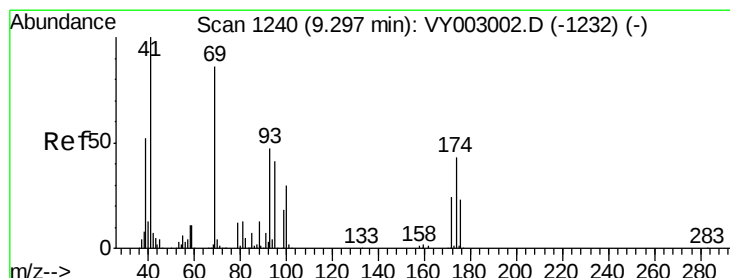
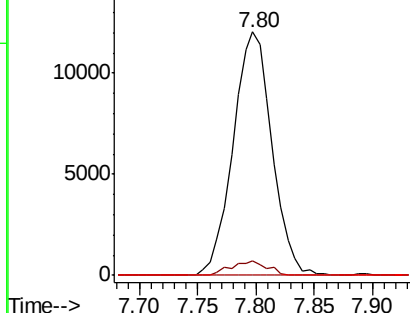
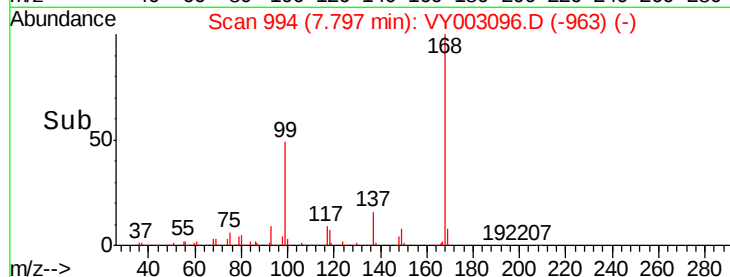
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 1.871 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.11 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

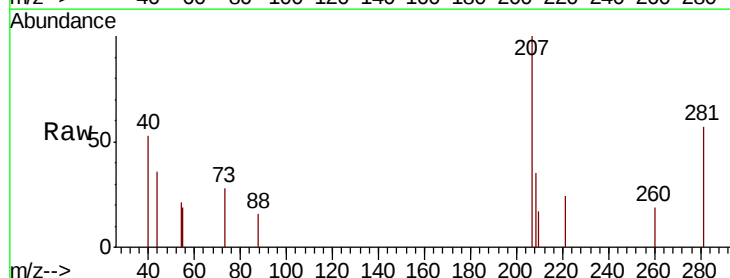
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

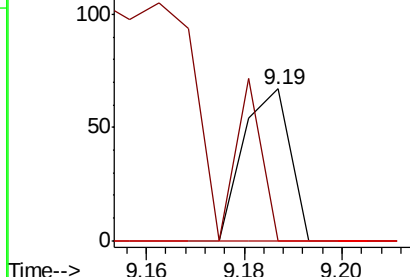
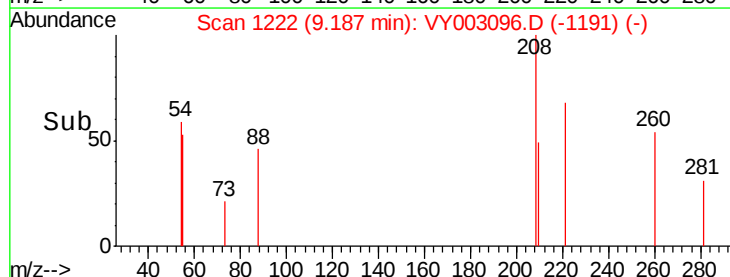
58 0.0 56.7 85.1#

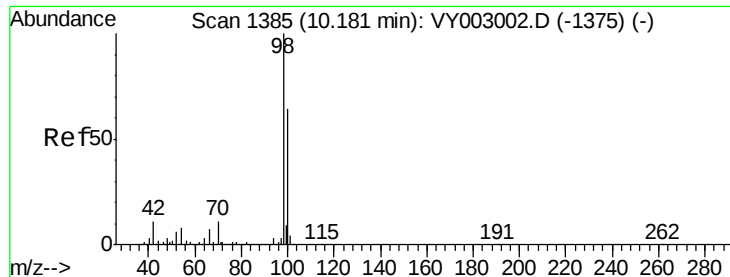


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.994 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

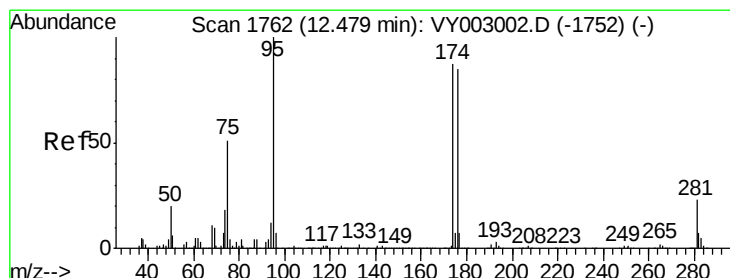
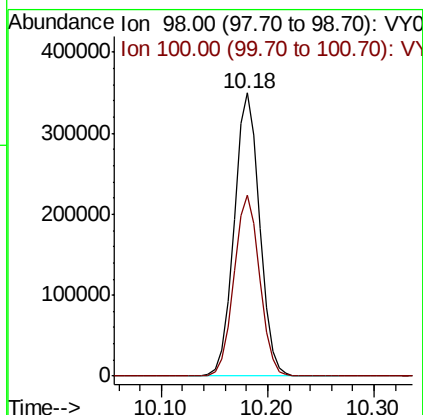
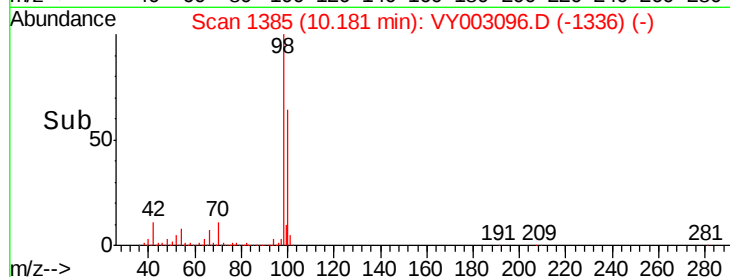
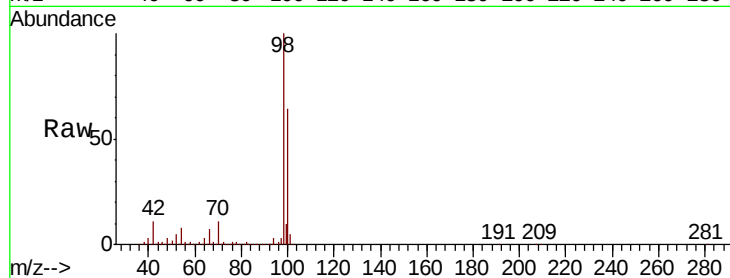
SB-4_11-11.5

Tot Ion: 98 Resp: 587510

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.978 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

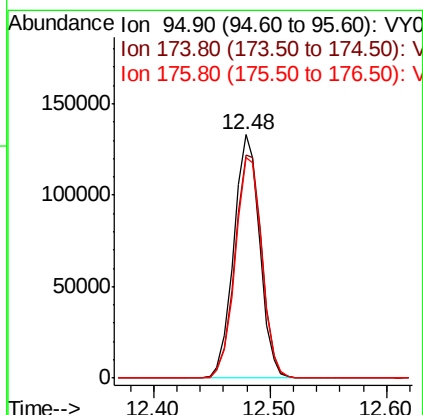
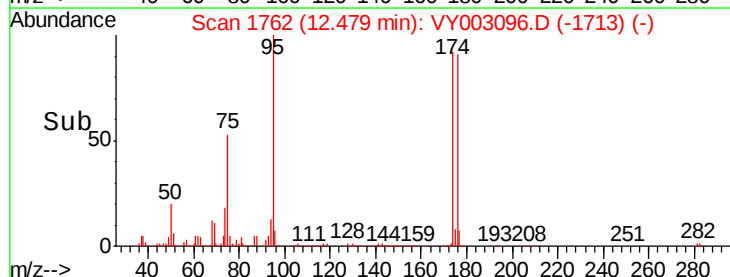
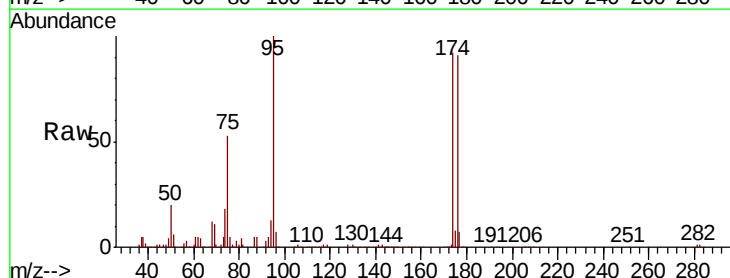
Tgt Ion: 95 Resp: 206743

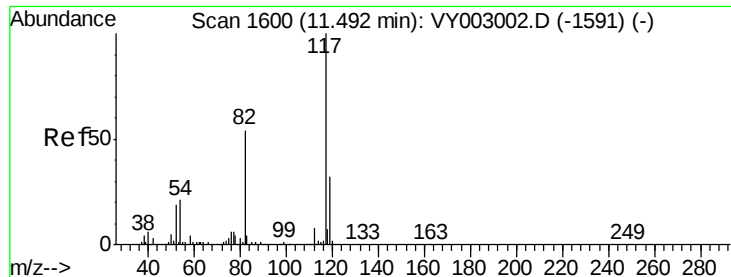
Ion Ratio Lower Upper

95 100

174 95.3 0.0 184.8

176 92.5 0.0 183.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

SB-4_11-11.5

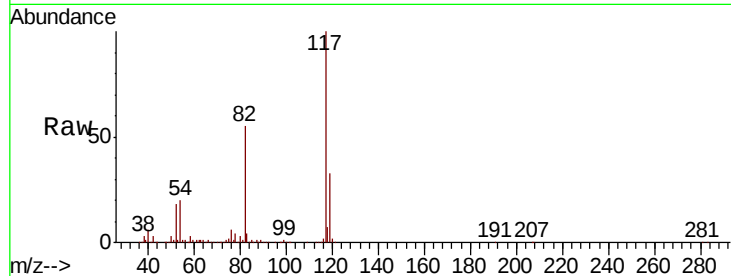
Tot Ion:117 Resp: 466277

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.6

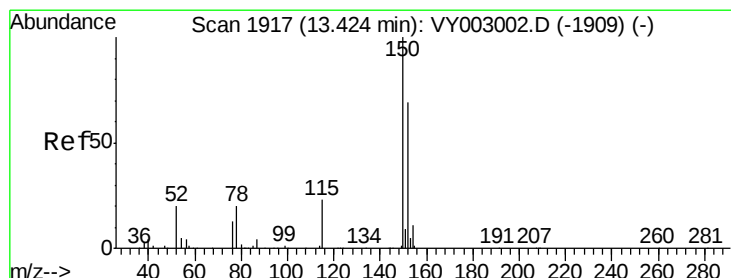
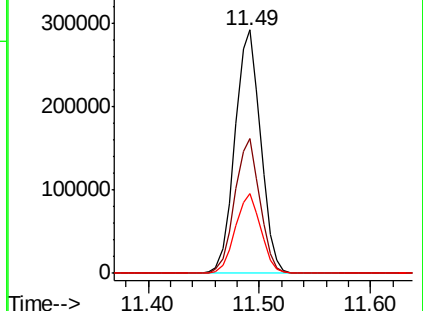
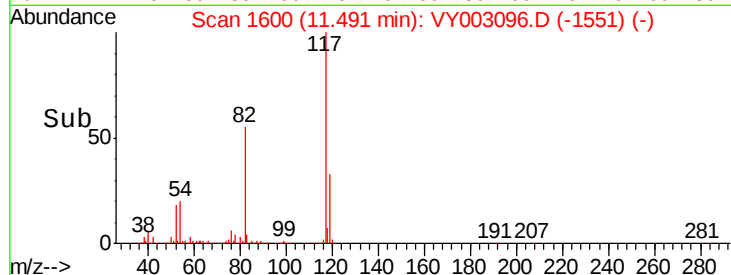
119 32.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

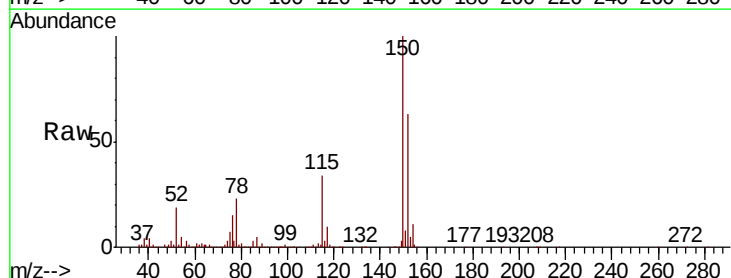
Tgt Ion:152 Resp: 233382

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

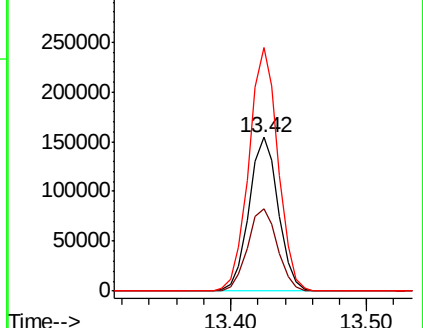
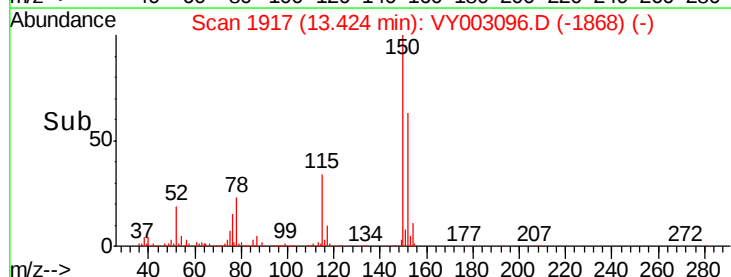
150 157.0 0.0 343.4

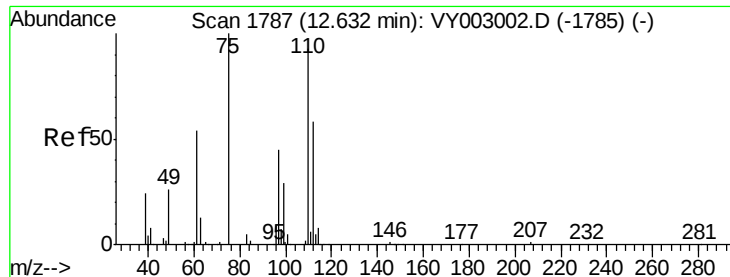


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 46.108 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

Instrument :

MSVOA_Y

ClientSampleId :

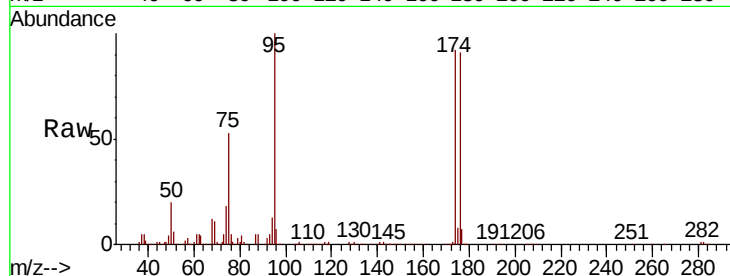
SB-4_11-11.5

Tot Ion: 75 Resp: 106498

Ion Ratio Lower Upper

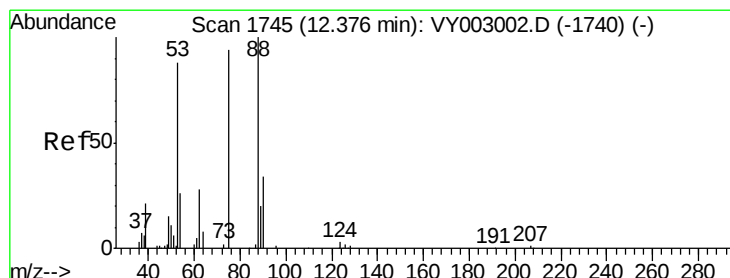
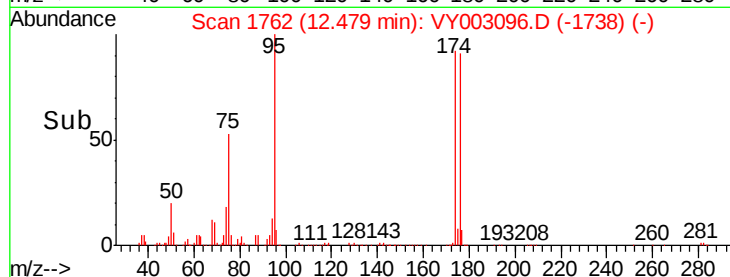
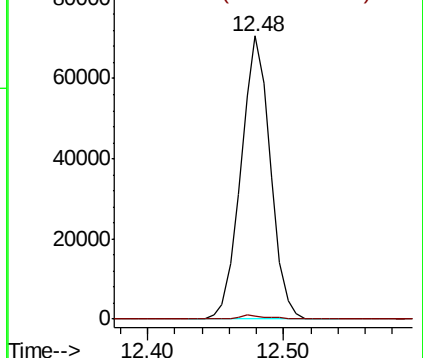
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.706 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003096.D

Acq: 02 Jul 2020 19:34

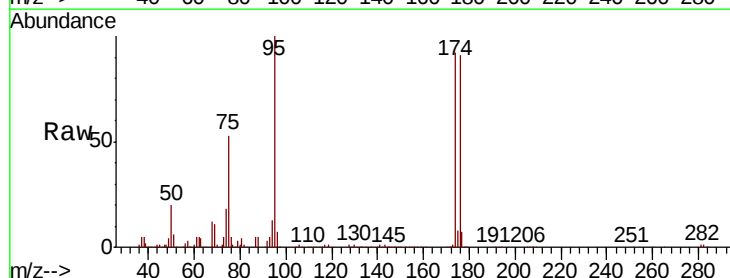
Tgt Ion: 75 Resp: 106498

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.1 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

