

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003012.D
 Acq On : 29 Jun 2020 17:31
 Operator : SY/MD
 Sample : L3128-05
 Misc : 6.91G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 44-08

Quant Time: Jun 30 05:58:03 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	344477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	561713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	526076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	196526	57.44	ug/l	0.00
Spiked Amount			Recovery	=	114.88%	
35) Dibromofluoromethane	7.72	113	185512	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	10.18	98	686896	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.48	95	237996	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

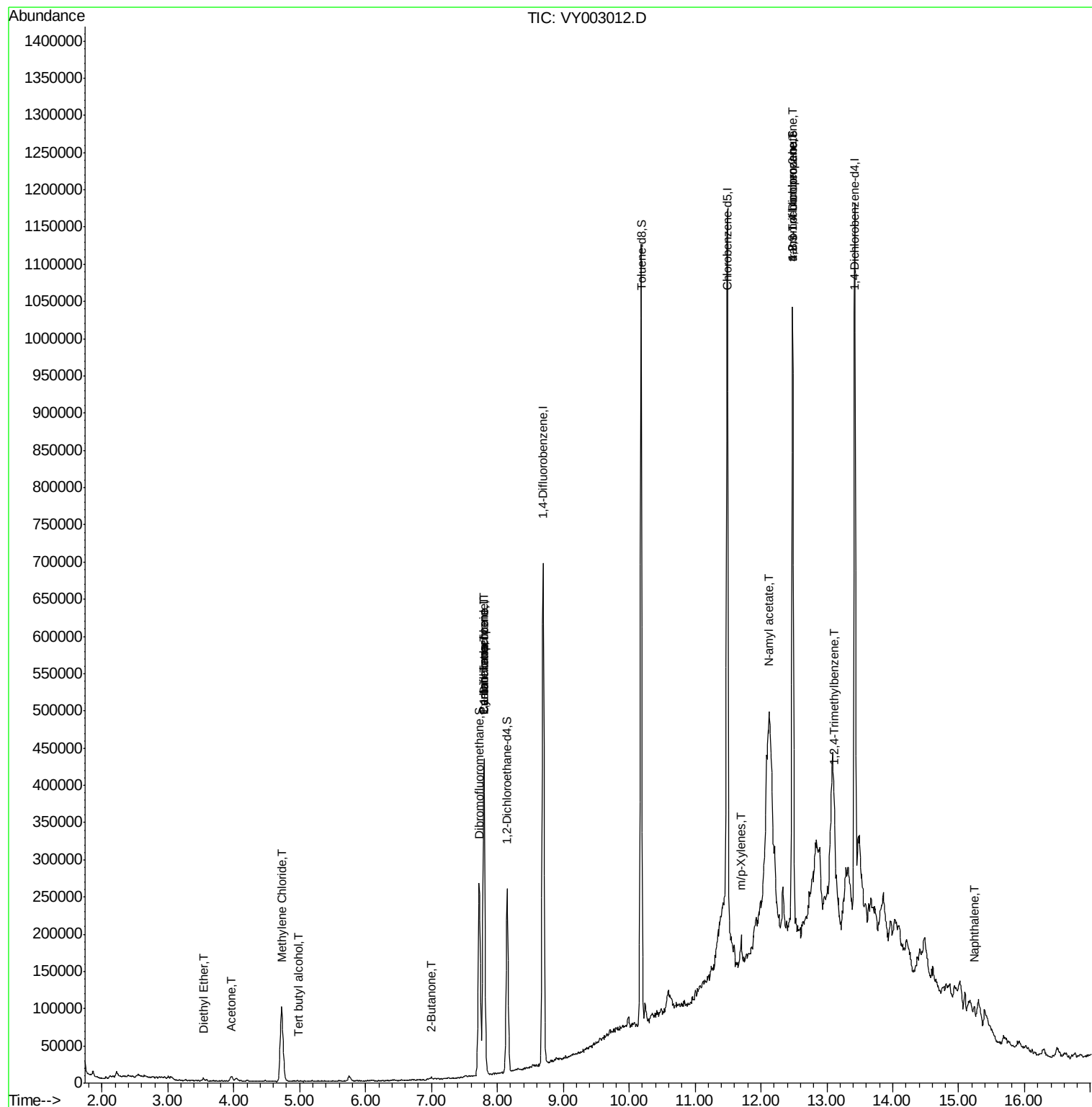
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1985	1.101	ug/l	95
11) Tert butyl alcohol	4.98	59	378	1.084	ug/l #	73
16) Acetone	3.96	43	12187	15.103	ug/l	97
20) Methylene Chloride	4.72	84	75289	16.196	ug/l	95
25) 2-Butanone	7.00	43	2448	1.910	ug/l #	51
31) Cyclohexane	7.80	56	6822	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	23962	4.429	ug/l #	52
38) Carbon Tetrachloride	7.80	117	31386	5.575	ug/l #	15
68) m/p-Xylenes	11.70	106	12631	1.788	ug/l	91
74) N-amyl acetate	12.12	43	5857	1.142	ug/l #	51
76) 1,2,3-Trichloropropane	12.48	75	122587	51.473	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	122587	100.145	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	13706	1.029	ug/l	80
95) Naphthalene	15.23	128	14799	1.612	ug/l #	87

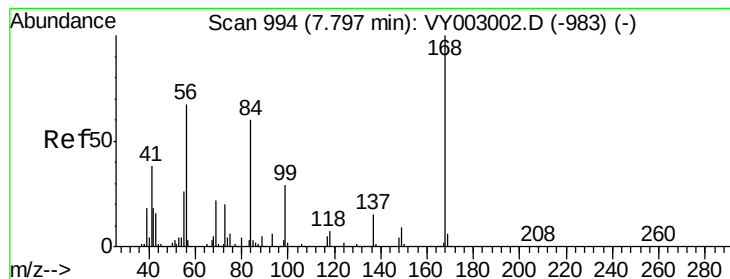
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

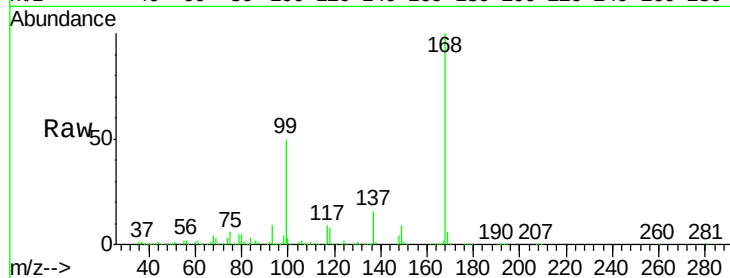
44-08

Tot Ion:168 Resp: 344477

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

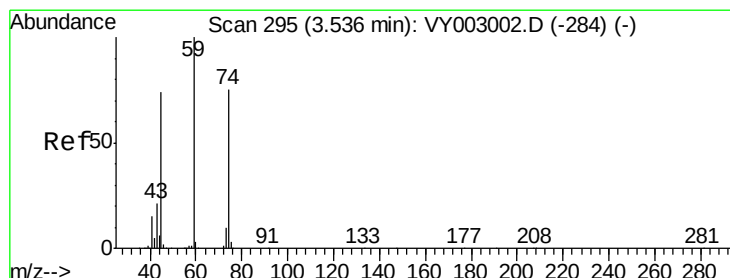
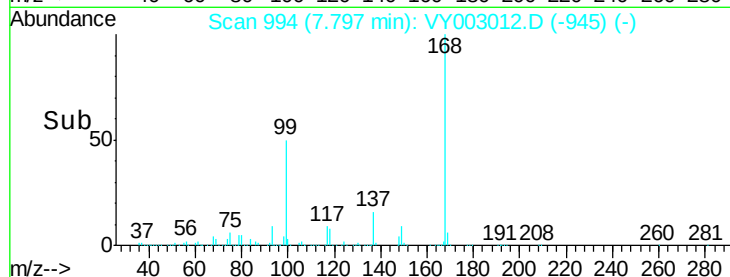
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.101 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003012.D

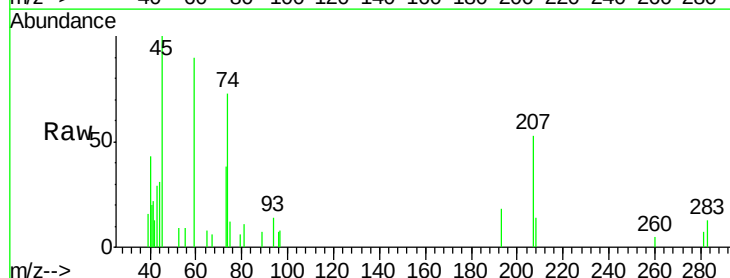
Acq: 29 Jun 2020 17:31

Tgt Ion: 74 Resp: 1985

Ion Ratio Lower Upper

74 100

45 103.1 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

3.54

1200

1000

800

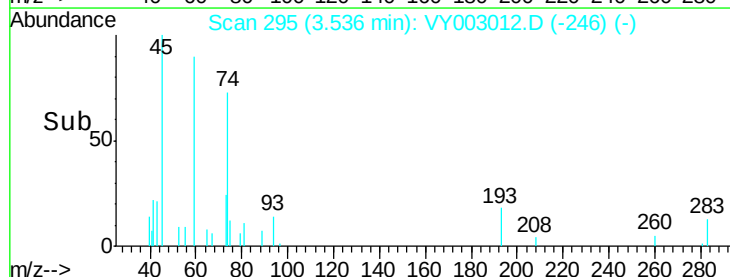
600

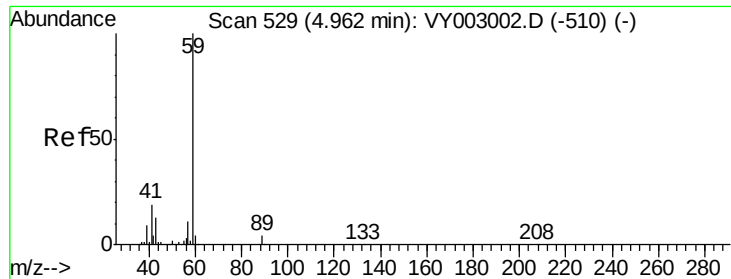
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200

0

Time-->

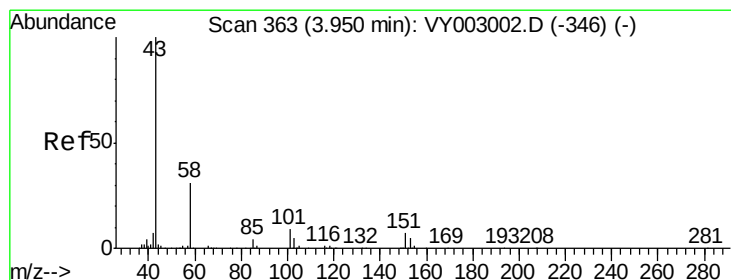
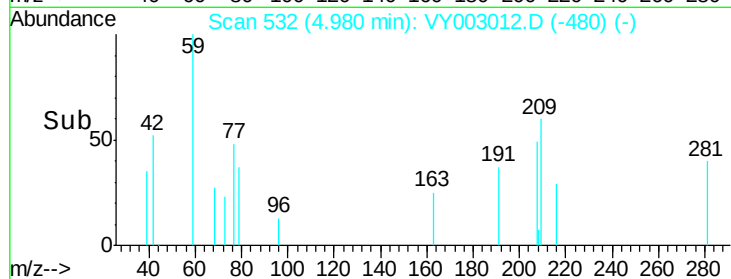
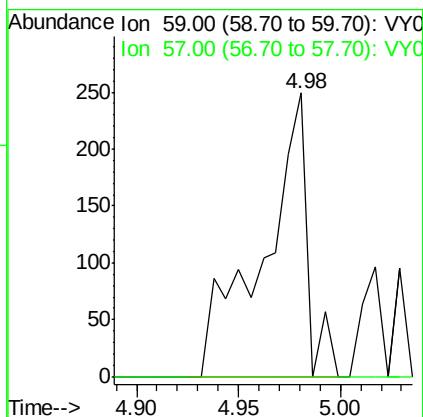
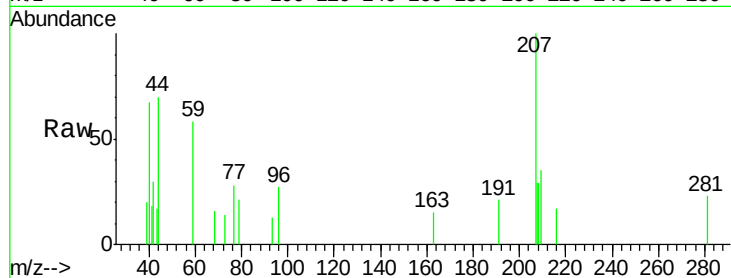




#11
Tert butyl alcohol
Concen: 1.084 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.02 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

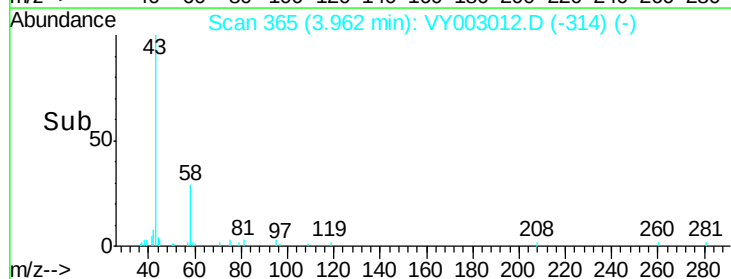
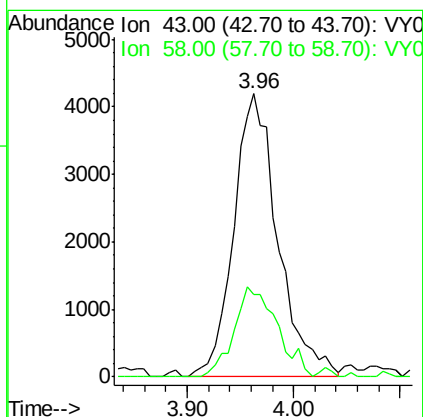
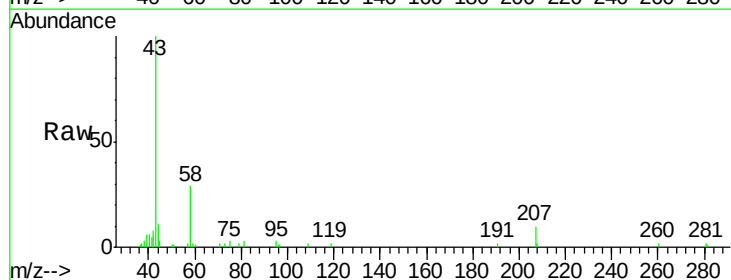
Instrument :
MSVOA_Y
ClientSampled :
44-08

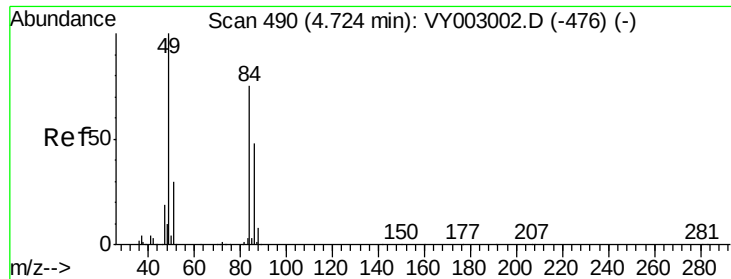
Tot Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 15.103 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

Tgt Ion: 43 Resp: 12187
Ion Ratio Lower Upper
43 100
58 29.2 24.7 37.1

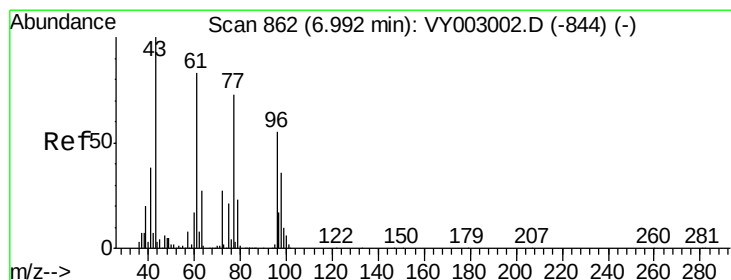
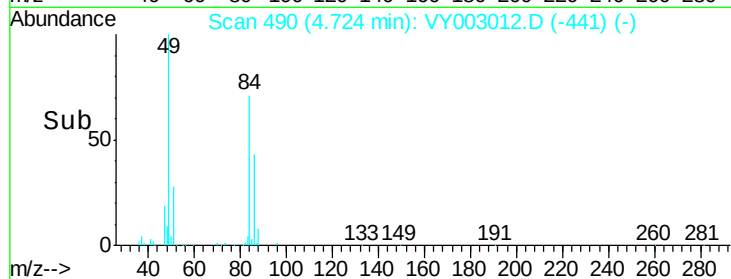
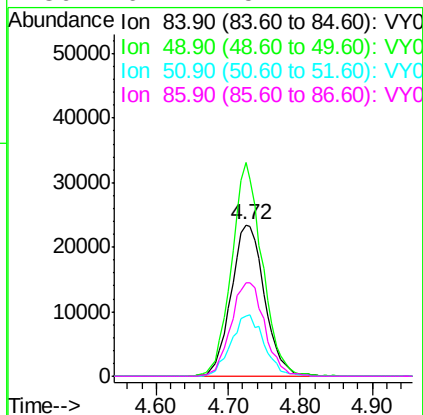
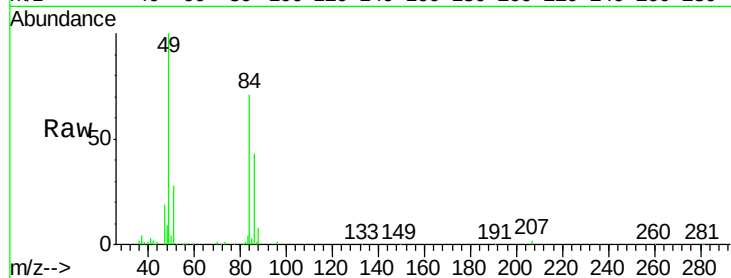




#20
Methylene Chloride
Concen: 16.196 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

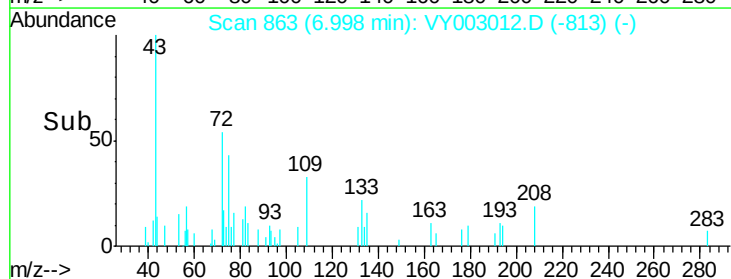
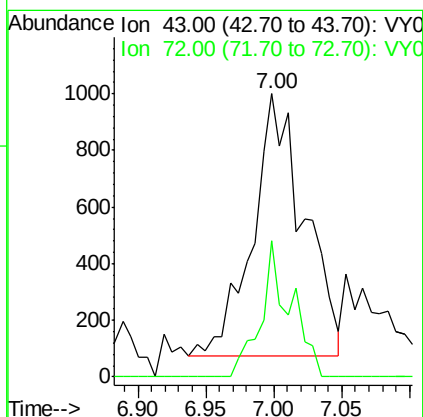
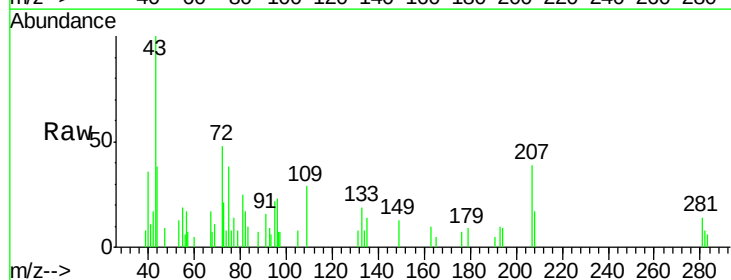
Instrument :
MSVOA_Y
ClientSampled :
44-08

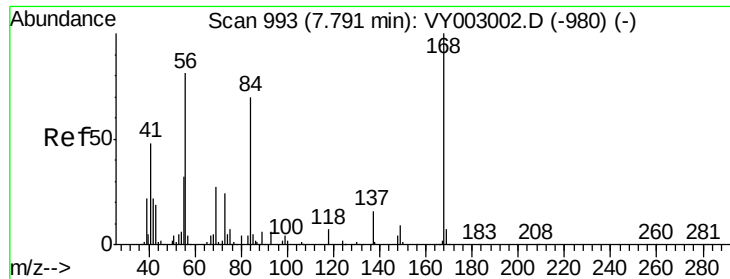
Tot Ion:	84	Resp:	75289
Ion	Ratio	Lower	Upper
84	100		
49	140.8	106.8	160.2
51	39.8	32.0	48.0
86	61.2	51.4	77.2



#25
2-Butanone
Concen: 1.910 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

Tgt Ion:	43	Resp:	2448
Ion	Ratio	Lower	Upper
43	100		
72	51.9	21.4	32.0#

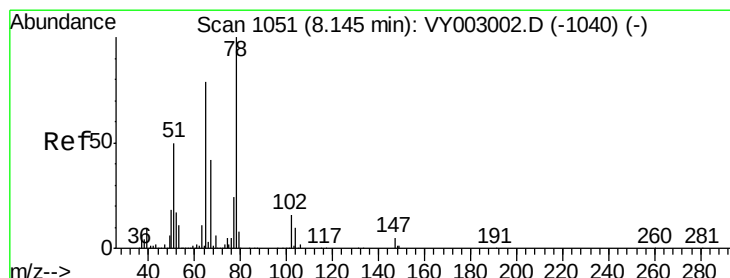
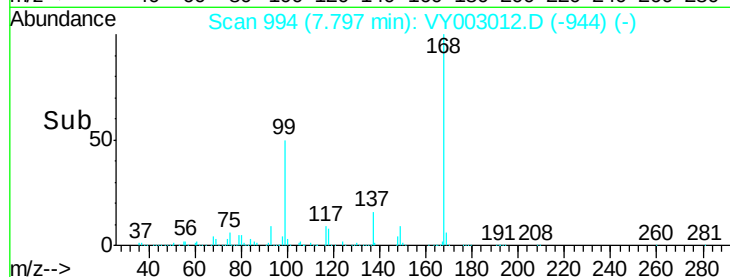
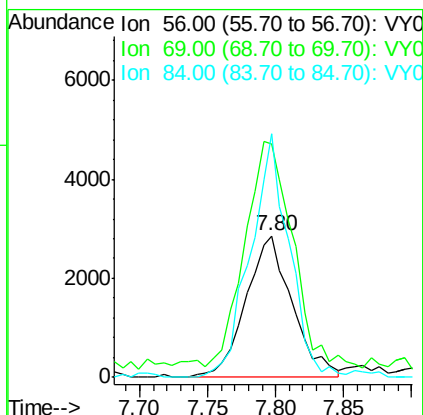
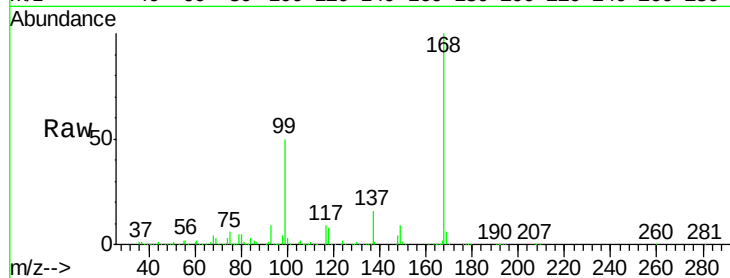




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

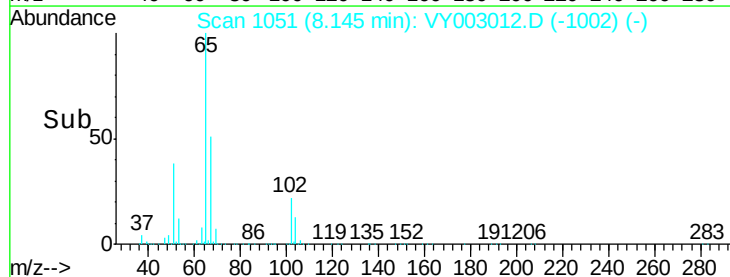
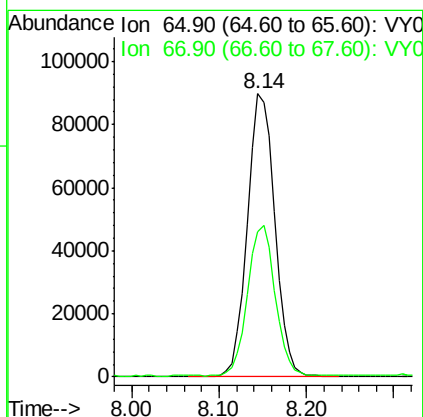
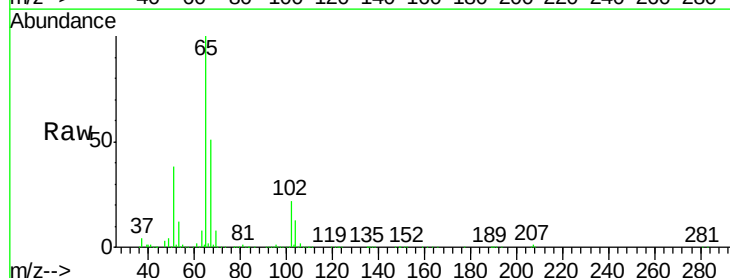
Instrument :
MSVOA_Y
ClientSampleId :
44-08

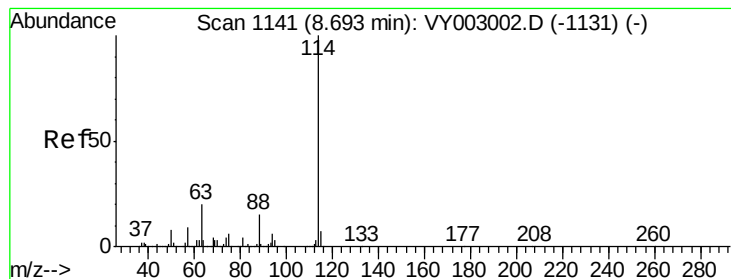
Tot Ion: 56 Resp: 6822
Ion Ratio Lower Upper
56 100
69 153.9 27.0 40.4#
84 172.5 68.1 102.1#



#33
1,2-Dichloroethane-d4
Concen: 57.441 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

Tgt Ion: 65 Resp: 196526
Ion Ratio Lower Upper
65 100
67 53.6 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: VY003012.D

Acq: 29 Jun 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

44-08

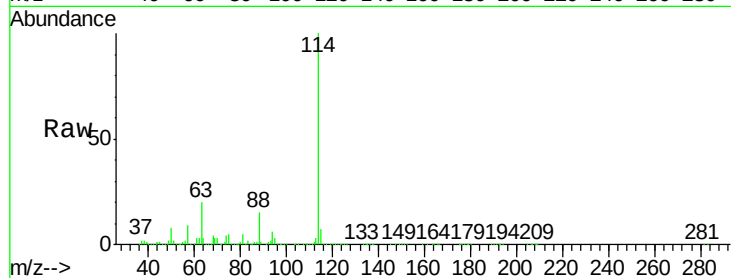
Tot Ion:114 Resp: 561713

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

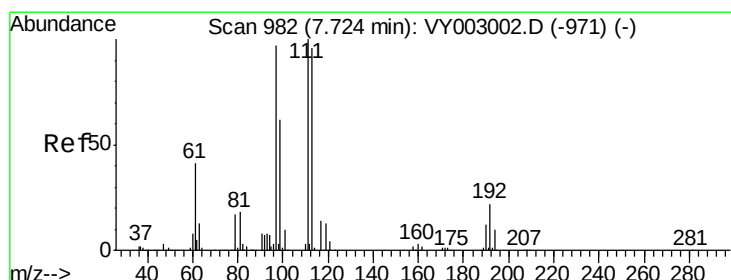
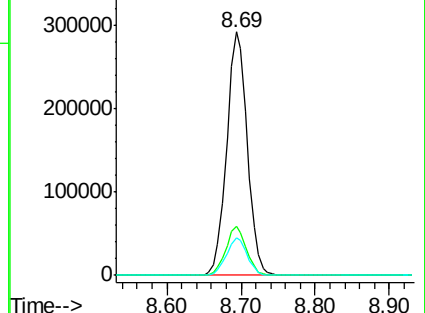
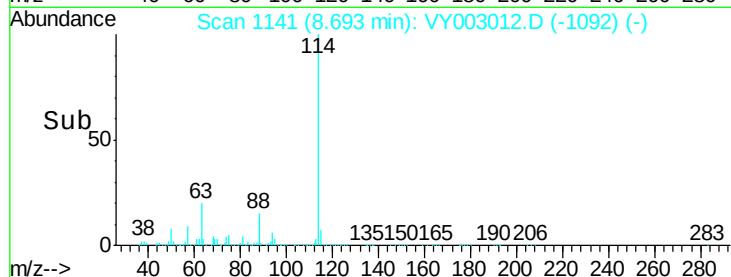
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 52.942 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

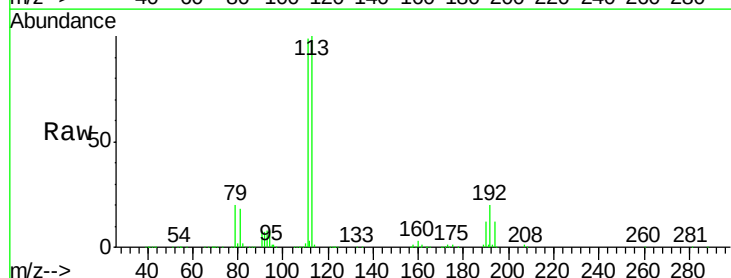
Tgt Ion:113 Resp: 185512

Ion Ratio Lower Upper

113 100

111 100.8 82.6 123.8

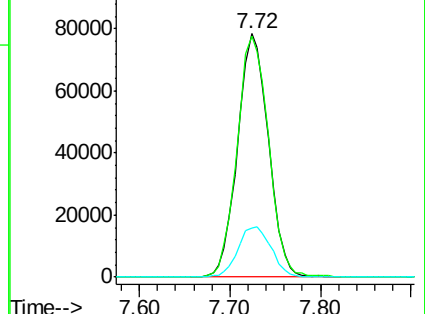
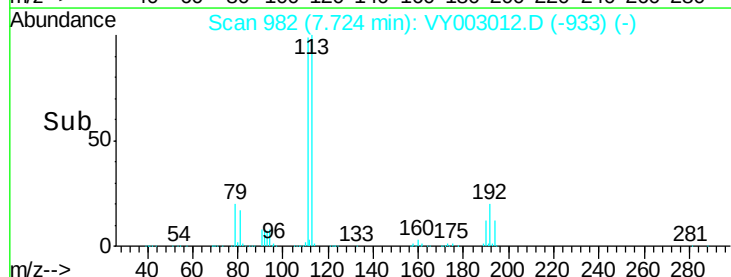
192 22.4 18.1 27.1

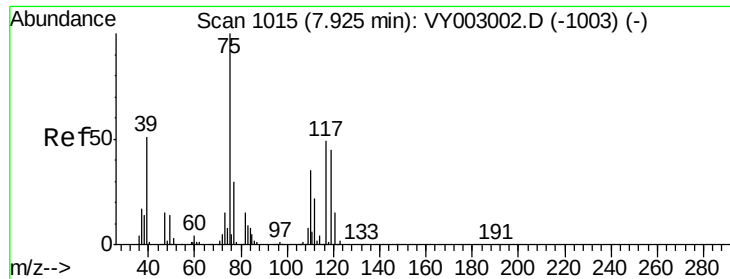


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

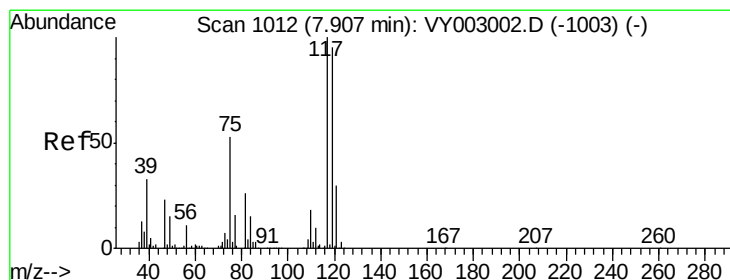
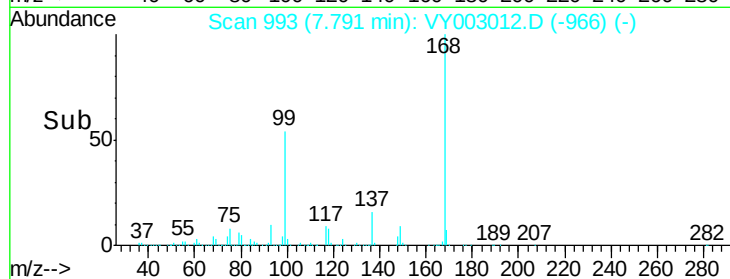
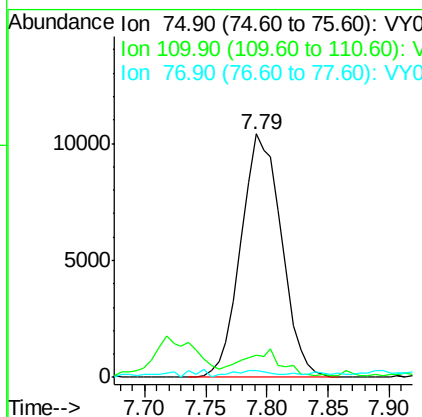
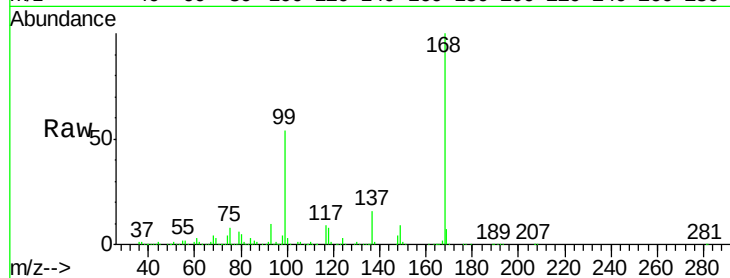




#36
 1,1-Dichloropropene
 Concen: 4.429 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003012.D
 Acq: 29 Jun 2020 17:31

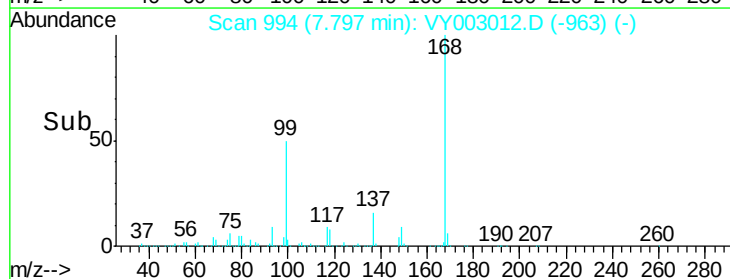
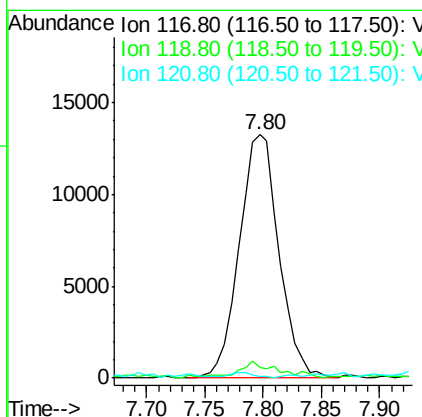
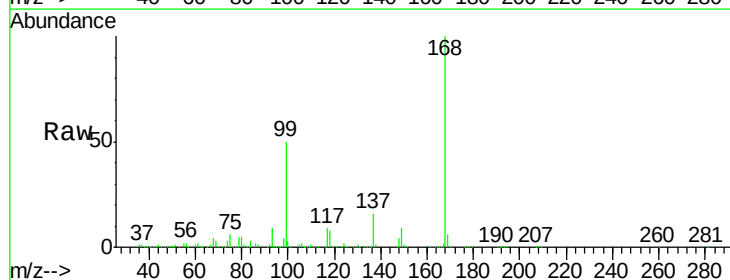
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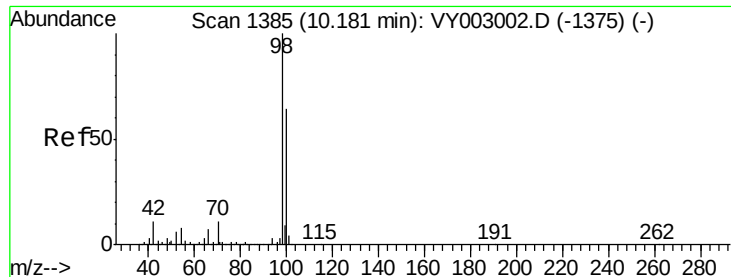
Tot Ion	75	Resp	23962
Ion Ratio	Lower	Upper	
75	100		
110	10.0	17.1	51.2#
77	1.5	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.575 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003012.D
 Acq: 29 Jun 2020 17:31

Tgt Ion	117	Resp	31386
Ion Ratio	Lower	Upper	
117	100		
119	3.6	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 52.619 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

Instrument :

MSVOA_Y

ClientSampled :

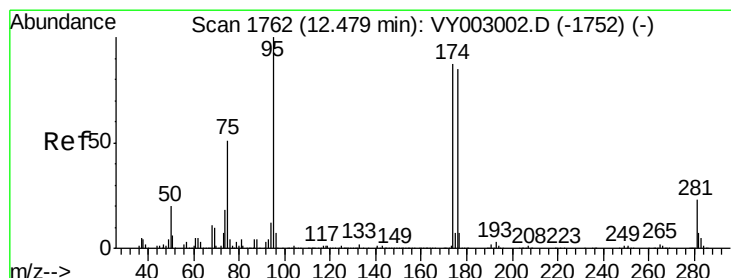
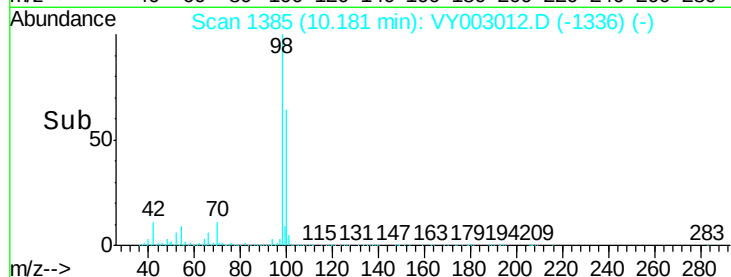
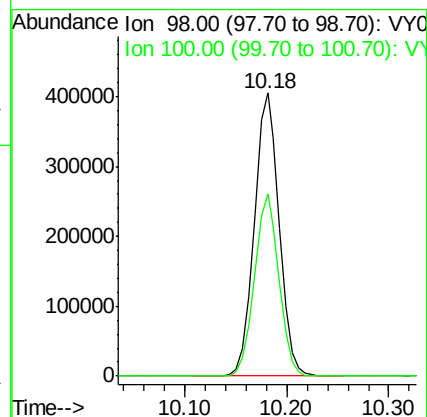
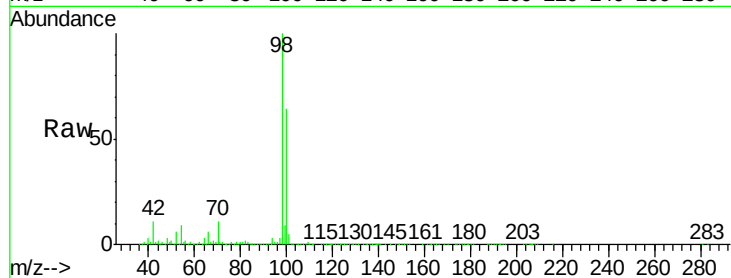
44-08

Tot Ion: 98 Resp: 686896

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.793 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

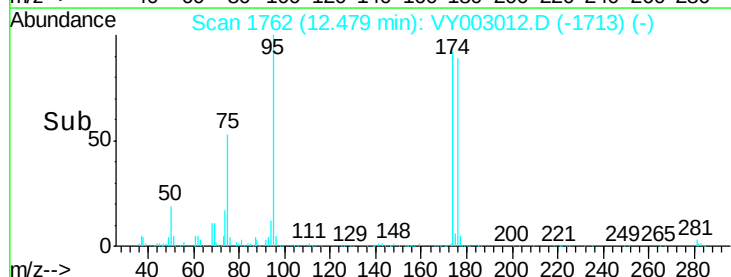
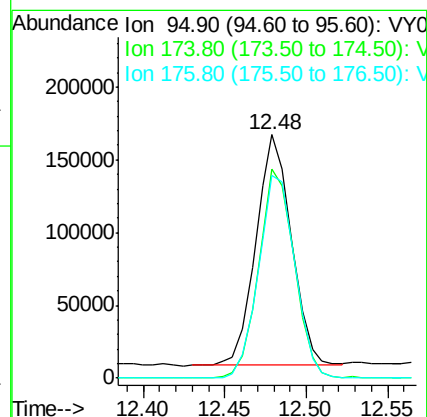
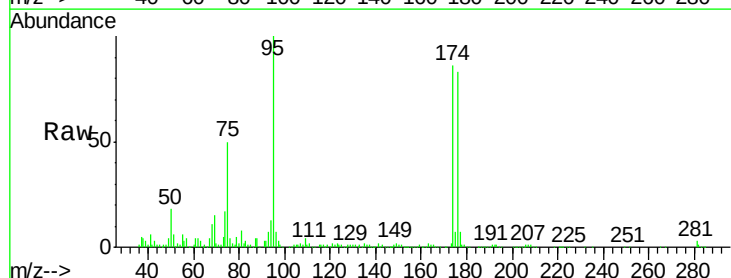
Tgt Ion: 95 Resp: 237996

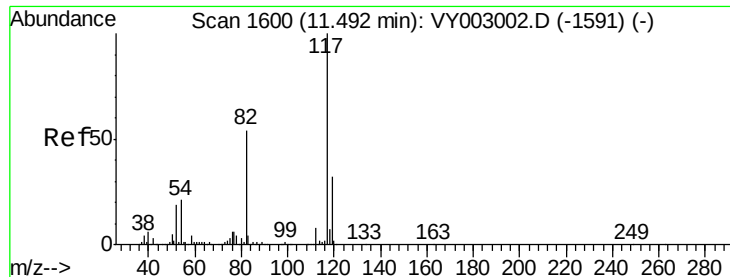
Ion Ratio Lower Upper

95 100

174 90.9 0.0 184.8

176 90.3 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: VY003012.D

Acq: 29 Jun 2020 17:31

Instrument :

MSVOA_Y

ClientSampled :

44-08

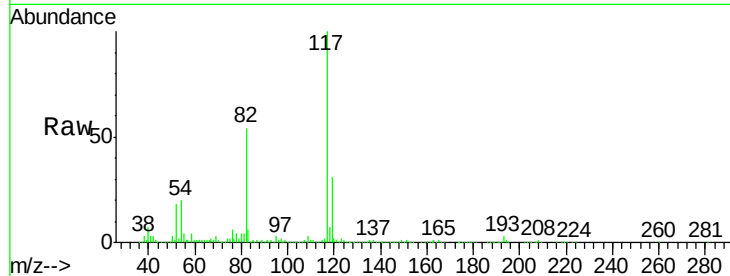
Tot Ion:117 Resp: 526076

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.6

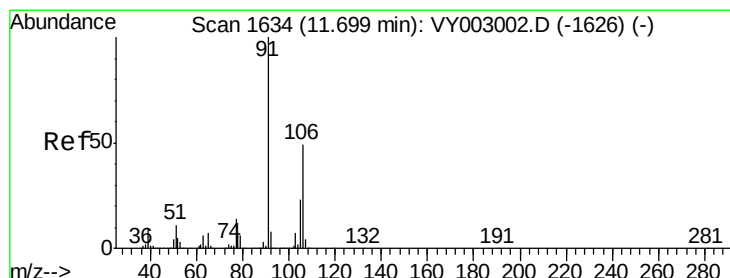
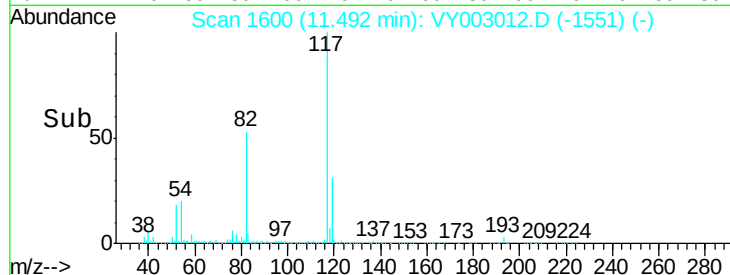
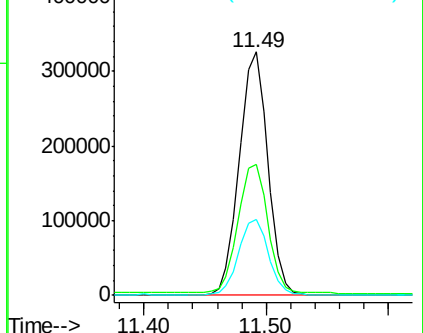
119 31.1 25.8 38.8



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



#68

m/p-Xylenes

Concen: 1.788 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003012.D

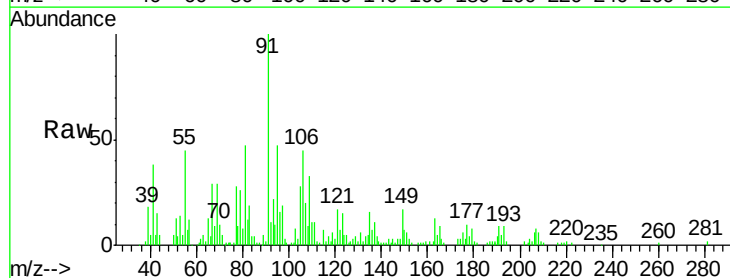
Acq: 29 Jun 2020 17:31

Tgt Ion:106 Resp: 12631

Ion Ratio Lower Upper

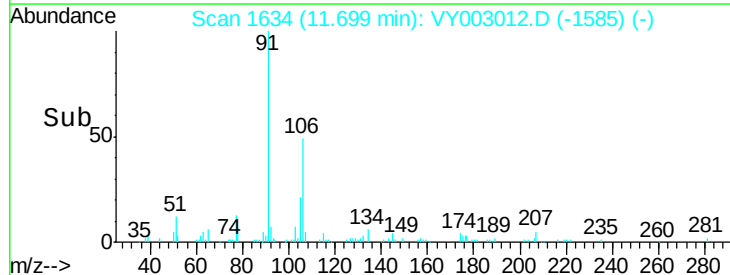
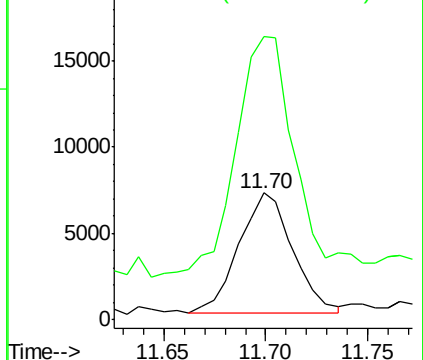
106 100

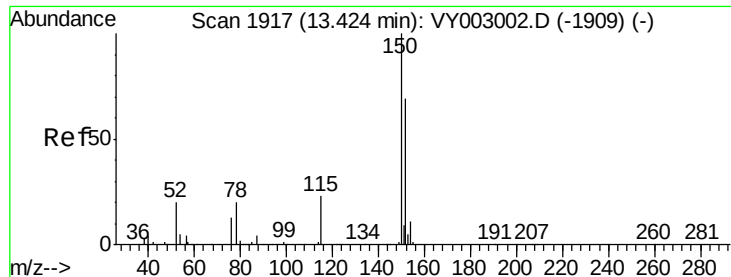
91 216.0 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



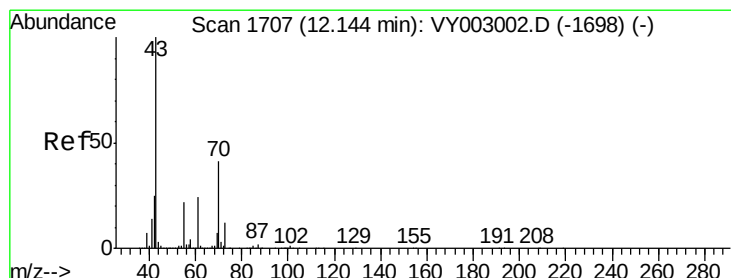
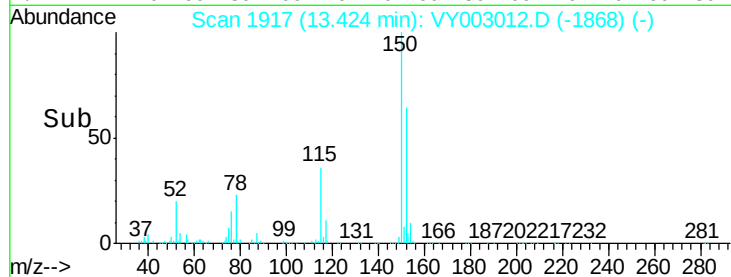
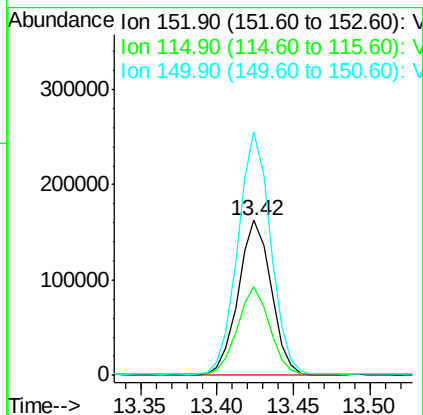
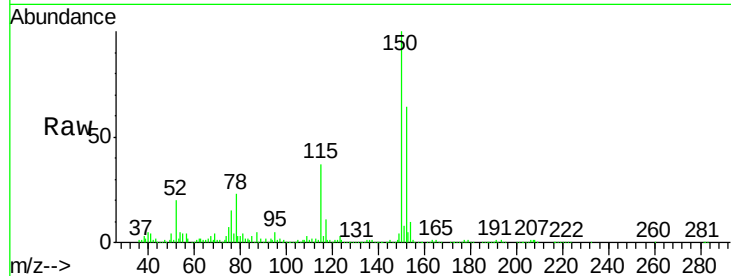


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

Instrument :
MSVOA_Y
ClientSampleId :
44-08

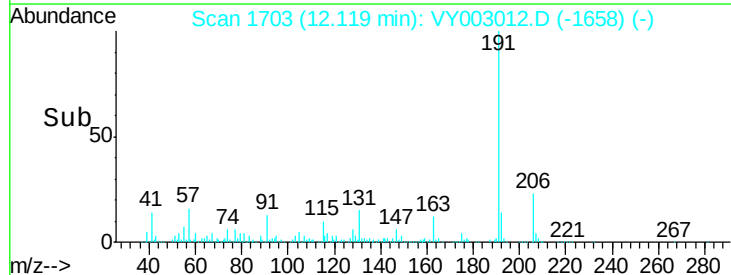
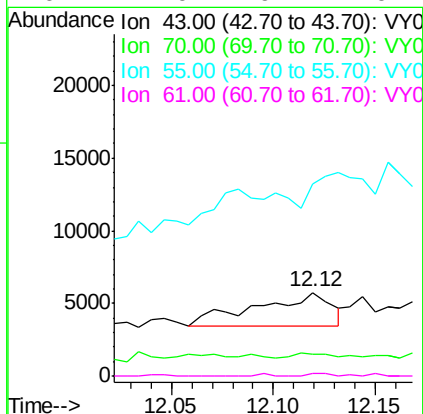
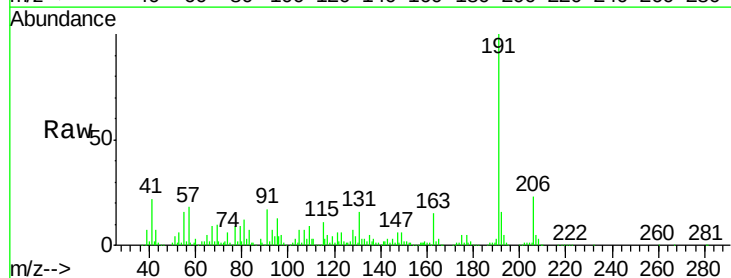
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.3	81.9
150	157.3	0.0	343.4

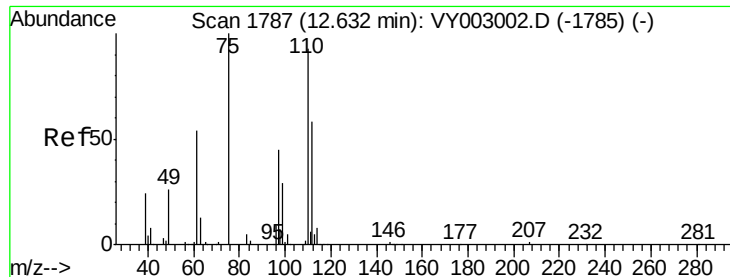


#74

N-ethyl acetate
Concen: 1.142 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.02 min
Lab File: VY003012.D
Acq: 29 Jun 2020 17:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	9.0	33.0	49.4#
55	0.0	18.2	27.2#
61	2.0	19.4	29.2#





#76

1,2,3-Trichloropropane

Concen: 51.473 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

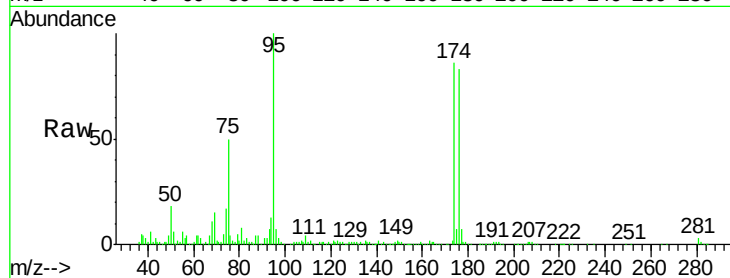
44-08

Tot Ion: 75 Resp: 122587

Ion Ratio Lower Upper

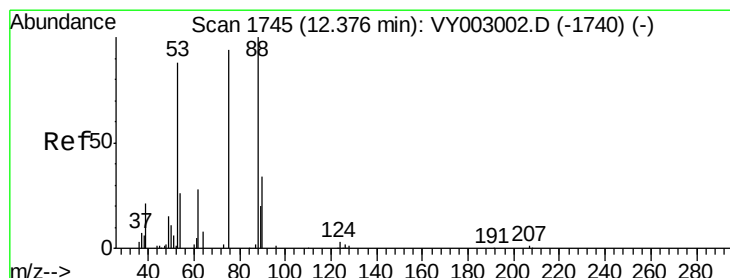
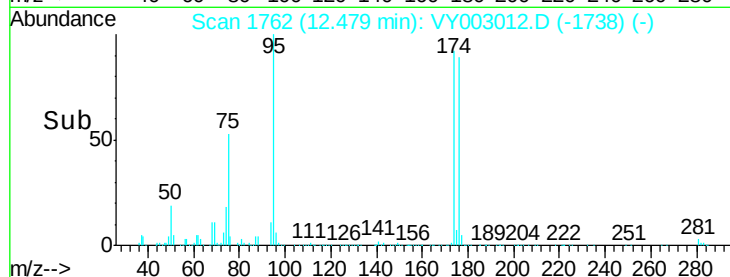
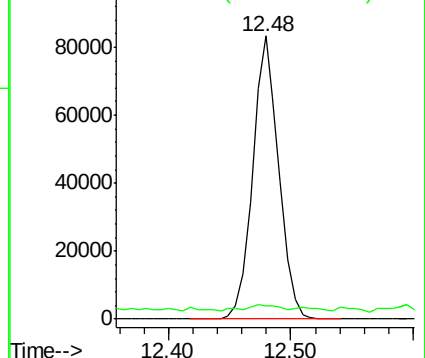
75 100

77 2.3 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: 100.145 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

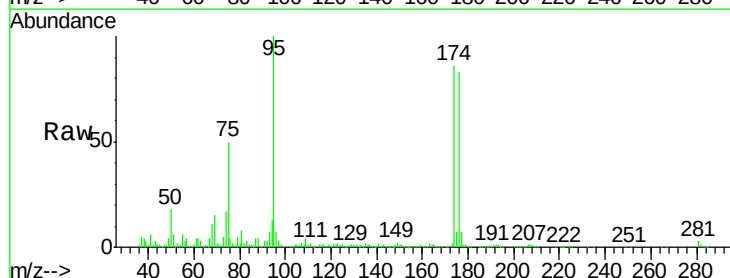
Tgt Ion: 75 Resp: 122587

Ion Ratio Lower Upper

75 100

53 0.7 73.9 110.9#

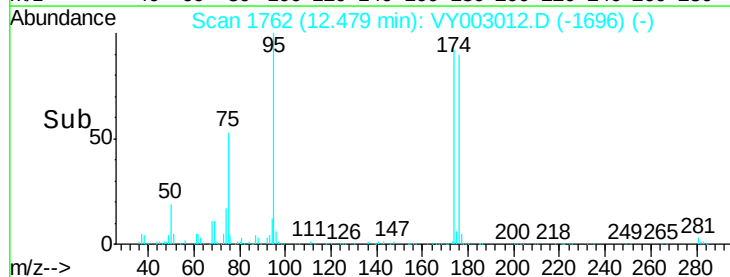
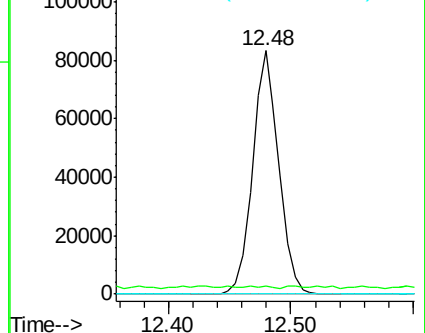
89 0.5 37.5 56.3#

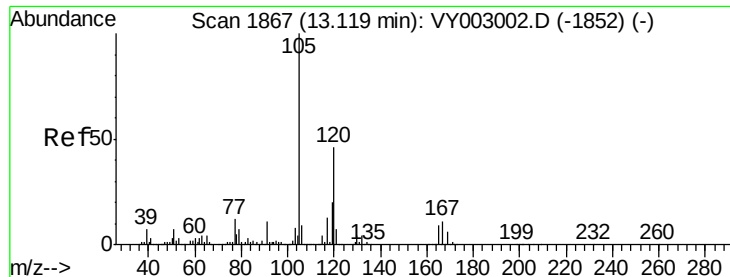


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84

1,2,4-Trimethylbenzene

Concen: 1.029 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

Instrument :

MSVOA_Y

ClientSampleId :

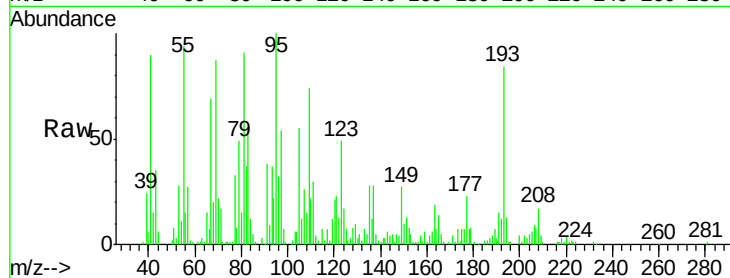
44-08

Tot Ion:105 Resp: 13706

Ion Ratio Lower Upper

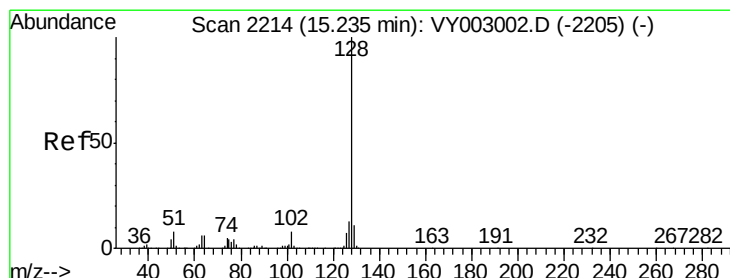
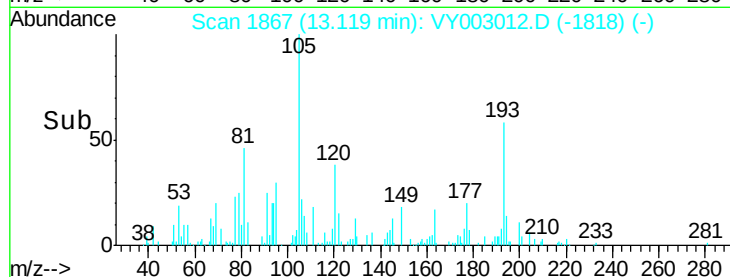
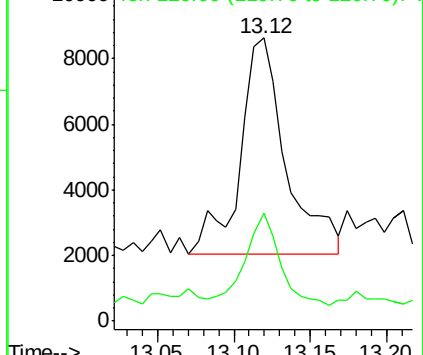
105 100

120 32.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.612 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003012.D

Acq: 29 Jun 2020 17:31

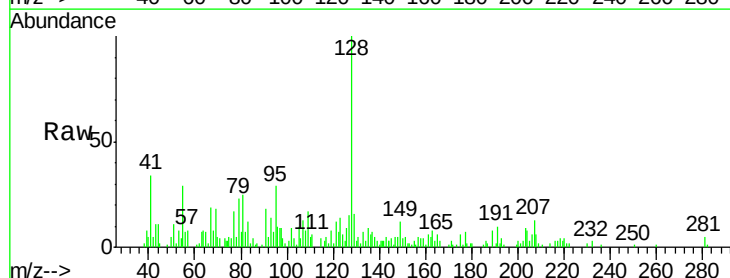
Tgt Ion:128 Resp: 14799

Ion Ratio Lower Upper

128 100

127 16.6 10.8 16.2#

129 18.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

