

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003222.D
 Acq On : 16 Jul 2020 20:08
 Operator : SY/MD
 Sample : L3308-15
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 15

Quant Time: Jul 17 05:23:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	260766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	392253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	322152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	129127	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	140081	63.65	ug/l	0.00
Spiked Amount			Recovery	=	127.30%	
35) Dibromofluoromethane	7.72	113	136017	60.26	ug/l	0.00
Spiked Amount			Recovery	=	120.52%	
50) Toluene-d8	10.18	98	486135	57.93	ug/l	0.00
Spiked Amount			Recovery	=	115.86%	
62) 4-Bromofluorobenzene	12.48	95	137038	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

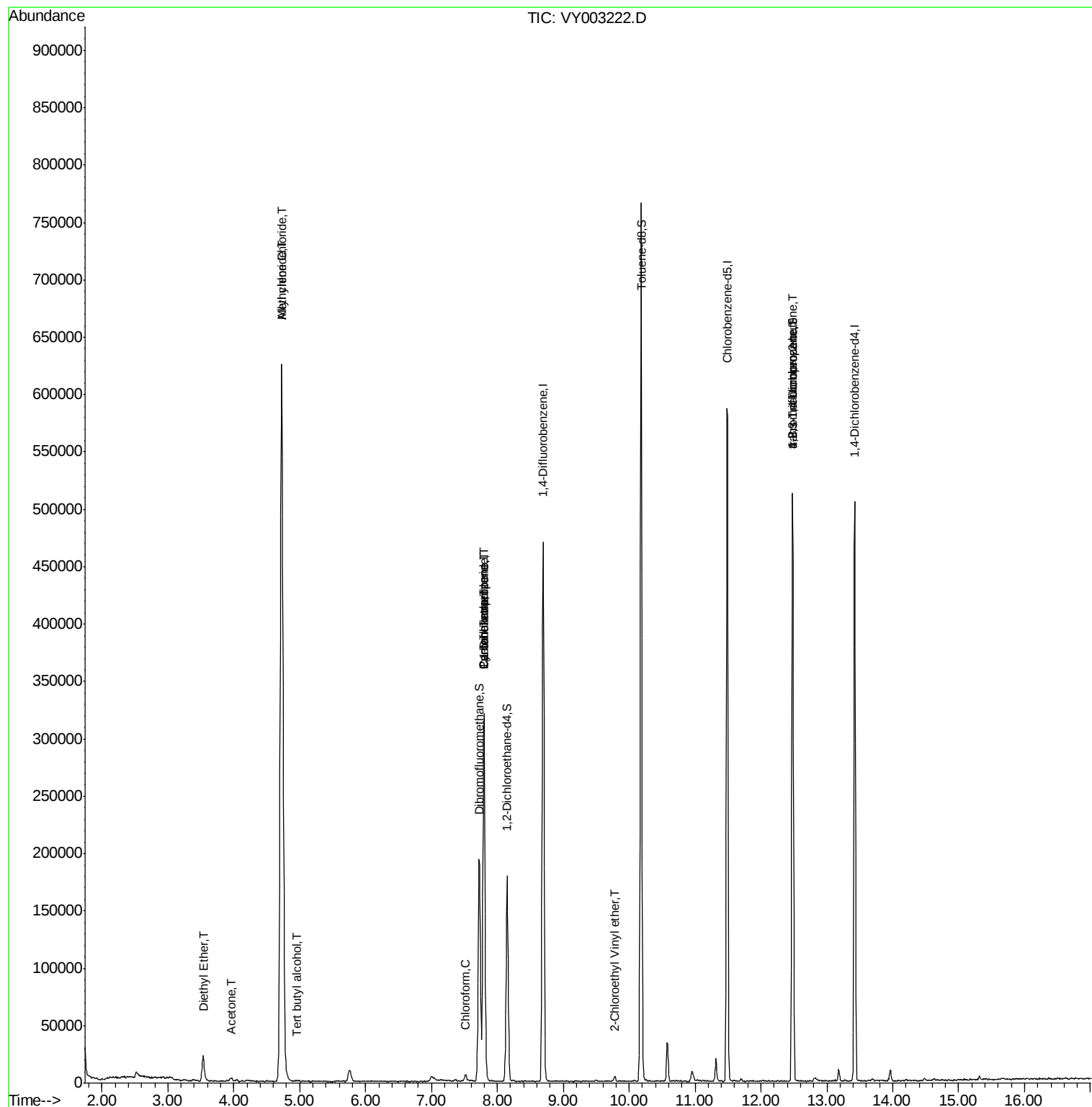
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	12139	9.537	ug/l	78
11) Tert butyl alcohol	4.96	59	402	1.689	ug/l	95
14) Allyl chloride	4.72	41	19938	6.192	ug/l #	23
16) Acetone	3.96	43	4892	9.951	ug/l #	79
20) Methylene Chloride	4.73	84	471852	208.138	ug/l	98
30) Chloroform	7.52	83	5131	1.203	ug/l #	79
31) Cyclohexane	7.80	56	4712	1.177	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19228	5.409	ug/l #	49
38) Carbon Tetrachloride	7.79	117	24456	6.664	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.78	63	1982	1.364	ug/l	92
76) 1,2,3-Trichloropropane	12.48	75	72164	63.136	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	72164	122.874	ug/l #	13

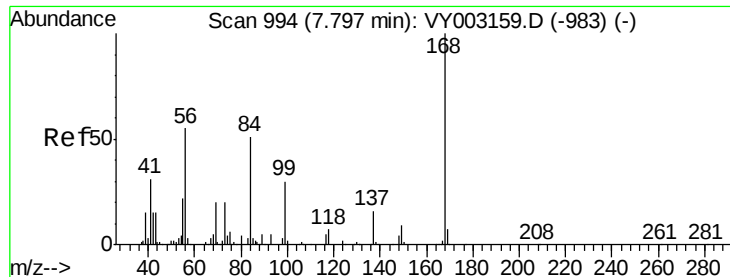
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
Data File : VY003222.D
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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: VY003222.D

Acq: 16 Jul 2020 20:08

Instrument :

MSVOA_Y

ClientSampleId :

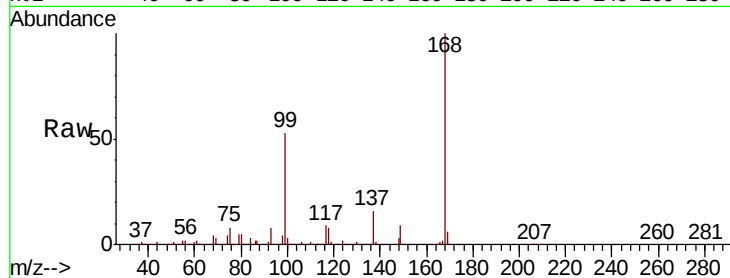
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Tot Ion:168 Resp: 260766

Ion Ratio Lower Upper

168 100

99 52.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

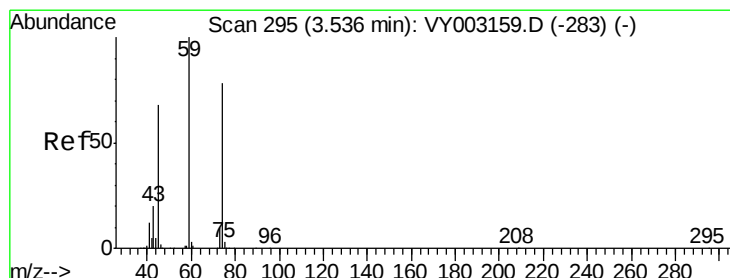
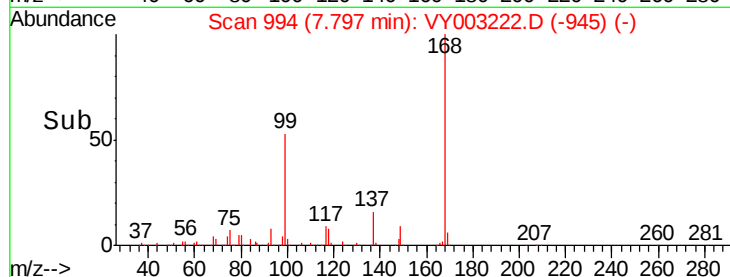
100000

50000

0

7.70 7.80 7.90

Time-->



#8

Diethyl Ether

Concen: 9.537 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY003222.D

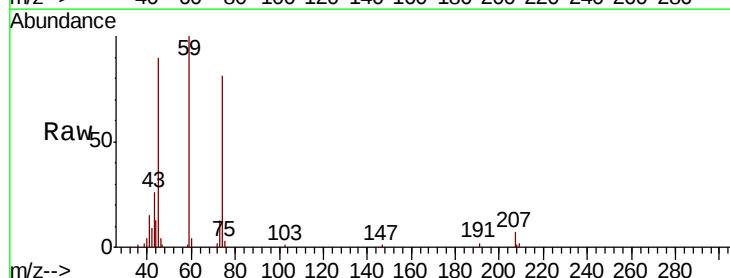
Acq: 16 Jul 2020 20:08

Tgt Ion: 74 Resp: 12139

Ion Ratio Lower Upper

74 100

45 110.9 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

3.54

6000

5000

4000

3000

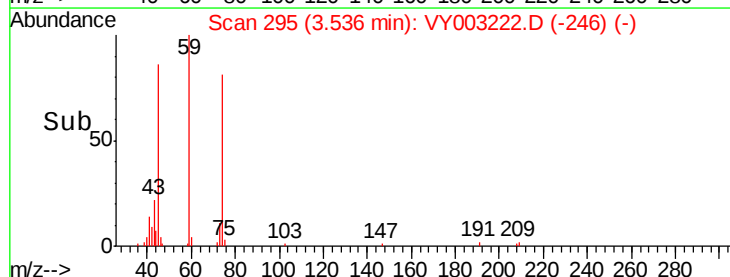
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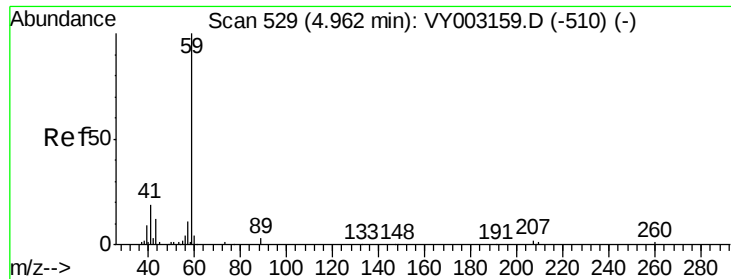
1000

0

3.45 3.50 3.55 3.60 3.65

Time-->



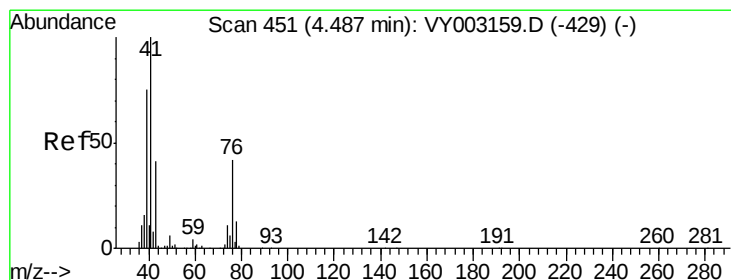
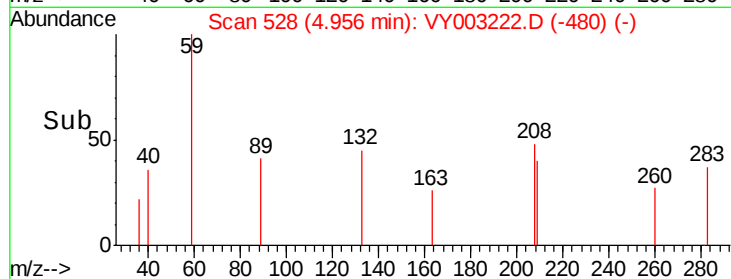
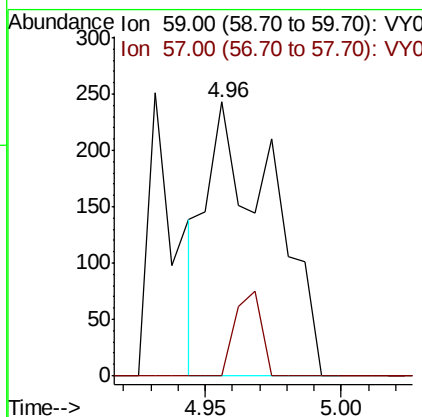
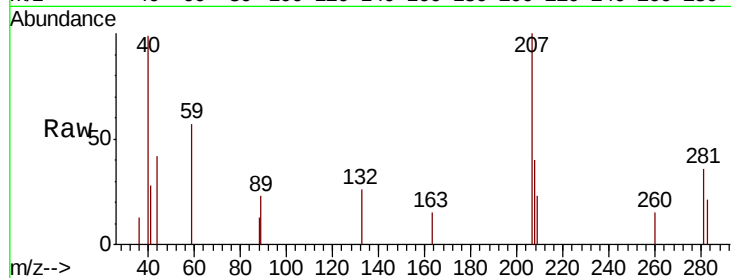


#11

Tert butyl alcohol
Concen: 1.689 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

Instrument :
MSVOA_Y
ClientSampled :
15

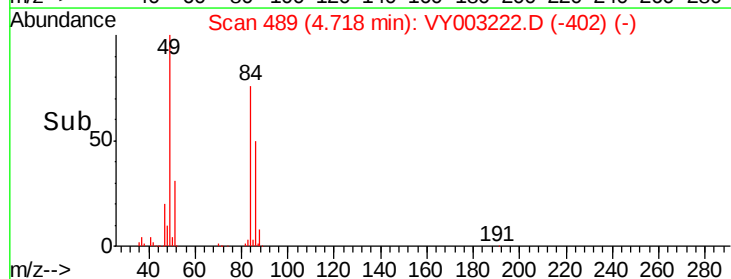
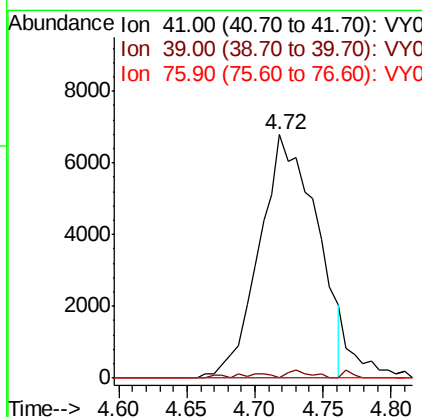
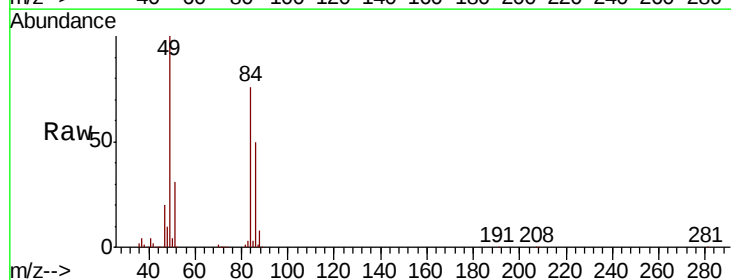
Tot Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 12.4 8.4 12.6

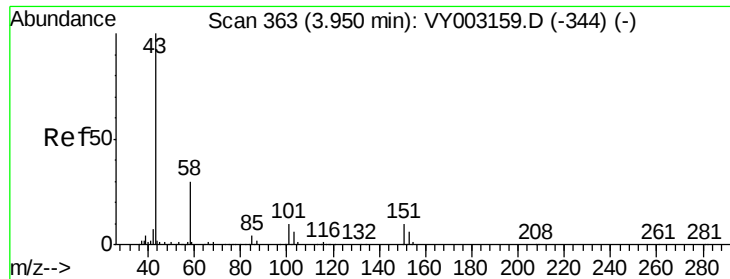


#14

Allyl chloride
Concen: 6.192 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.23 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

Tgt Ion: 41 Resp: 19938
Ion Ratio Lower Upper
41 100
39 1.3 56.6 85.0#
76 0.0 31.6 47.4#





#16

Acetone

Concen: 9.951 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003222.D

Acq: 16 Jul 2020 20:08

Instrument :

MSVOA_Y

ClientSampleId :

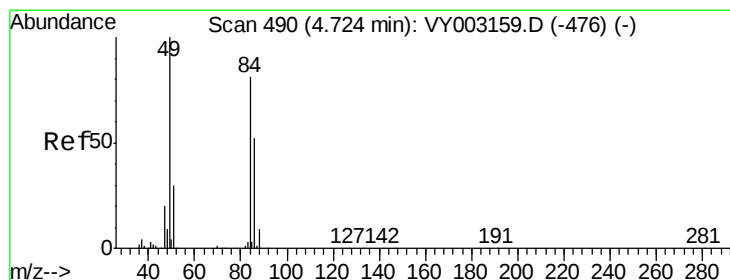
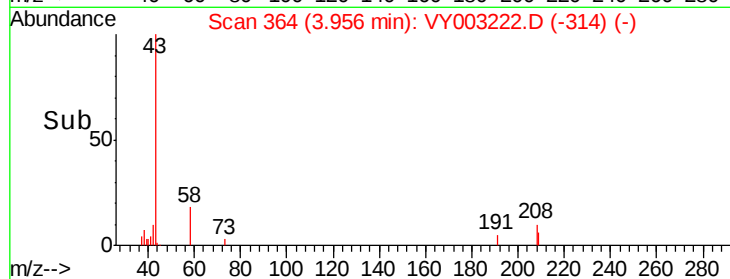
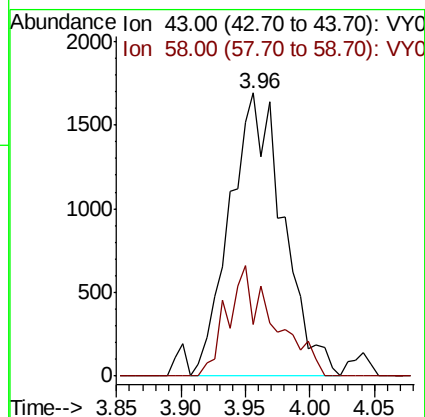
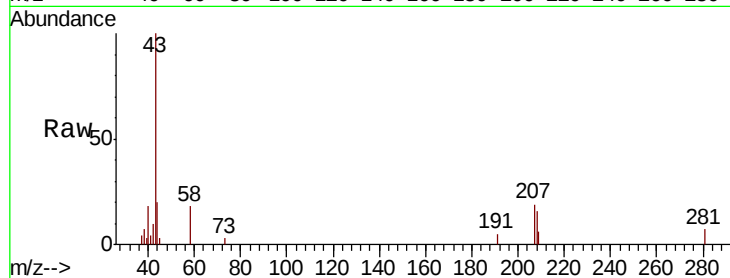
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Tot Ion: 43 Resp: 4892

Ion Ratio Lower Upper

43 100

58 18.5 23.8 35.6#



#20

Methylene Chloride

Concen: 208.138 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003222.D

Acq: 16 Jul 2020 20:08

Tgt Ion: 84 Resp: 471852

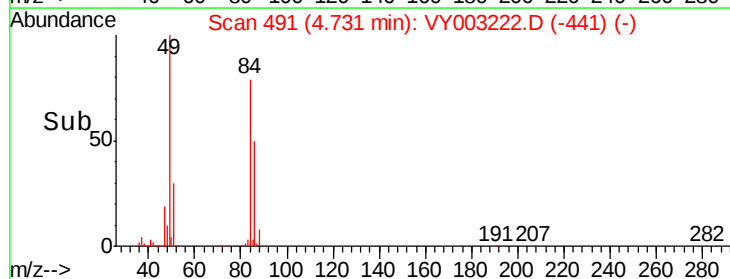
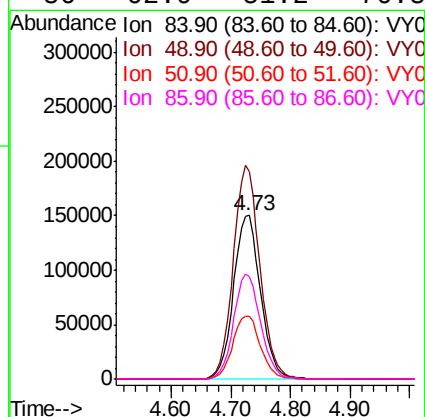
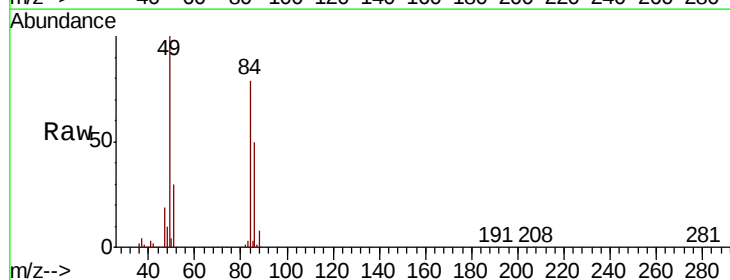
Ion Ratio Lower Upper

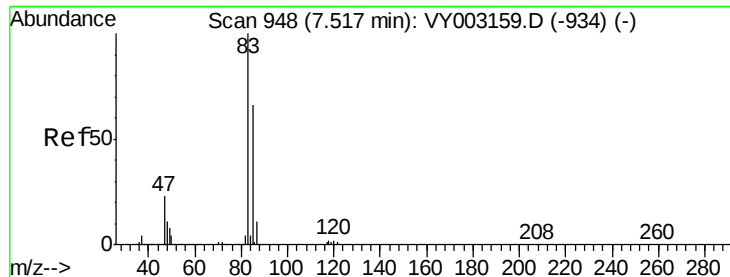
84 100

49 126.5 98.2 147.4

51 38.1 29.8 44.6

86 62.9 51.2 76.8

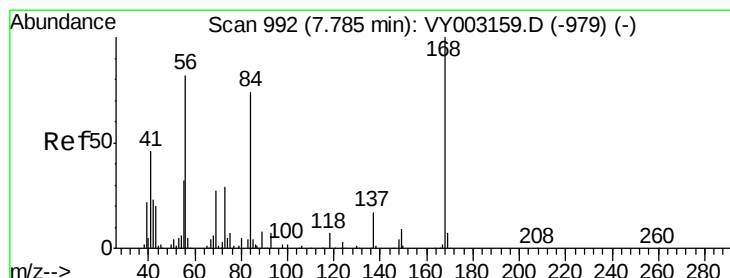
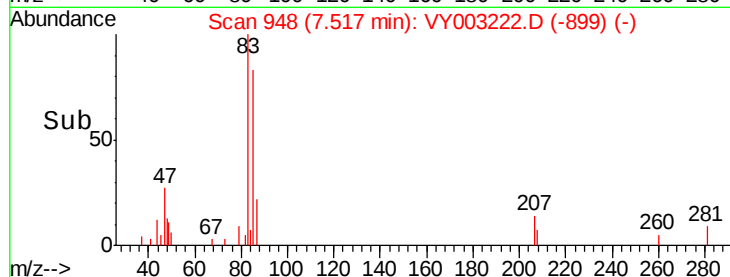
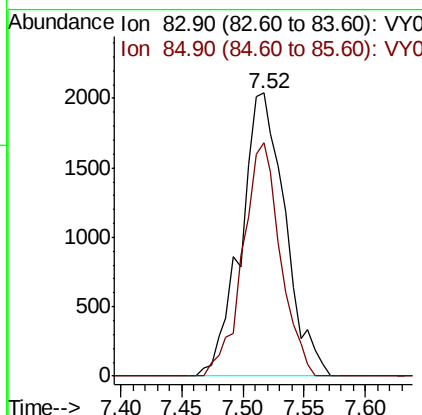
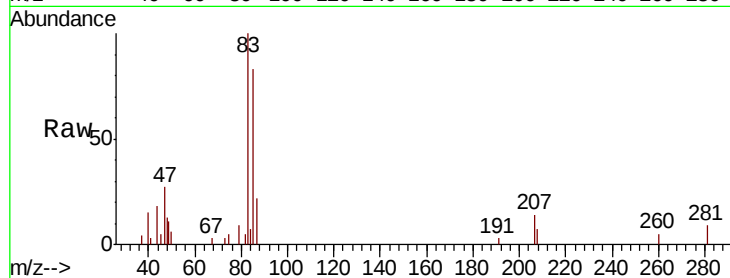




#30
Chloroform
Concen: 1.203 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

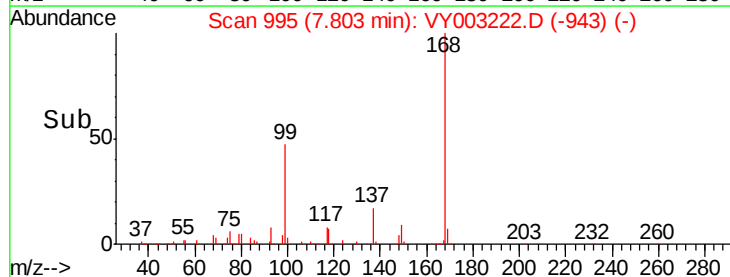
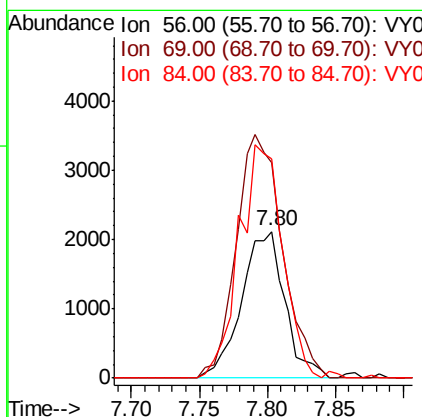
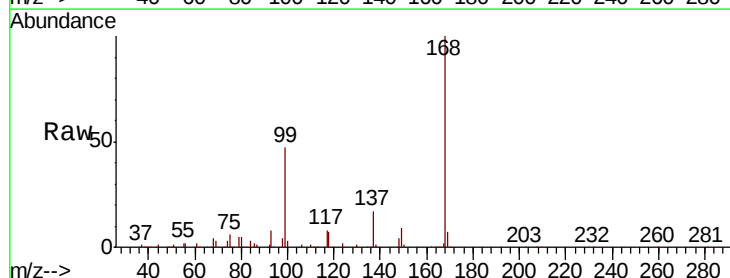
Instrument :
MSVOA_Y
ClientSampleId :
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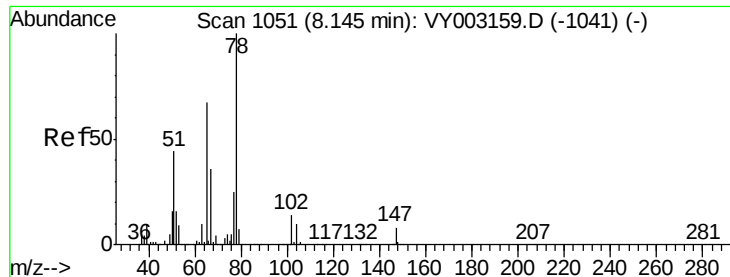
Tot Ion: 83 Resp: 5131
Ion Ratio Lower Upper
83 100
85 82.6 52.6 78.8#



#31
Cyclohexane
Concen: 1.177 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.02 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

Tgt Ion: 56 Resp: 4712
Ion Ratio Lower Upper
56 100
69 147.3 26.7 40.1#
84 150.1 72.3 108.5#

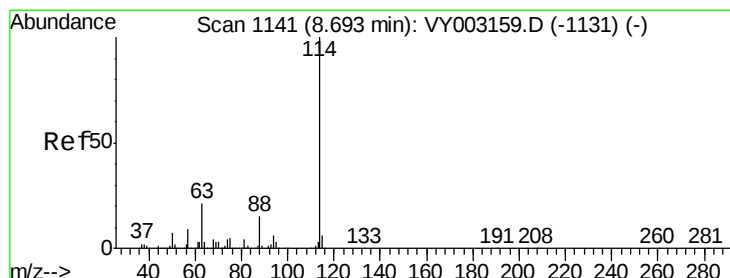
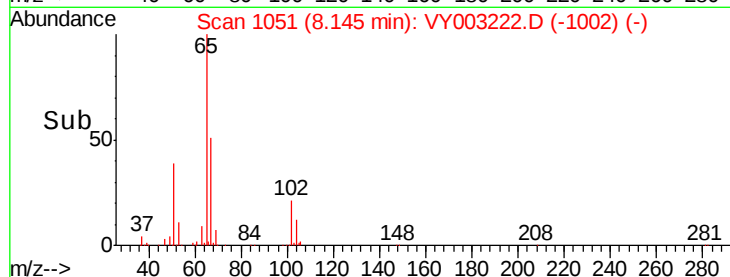
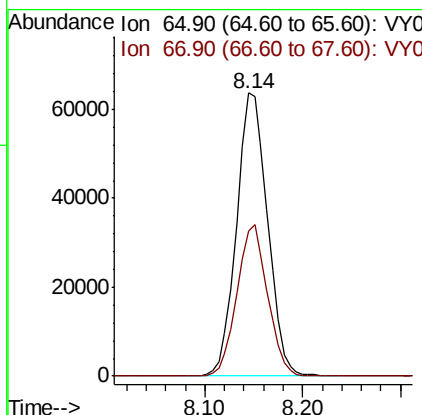
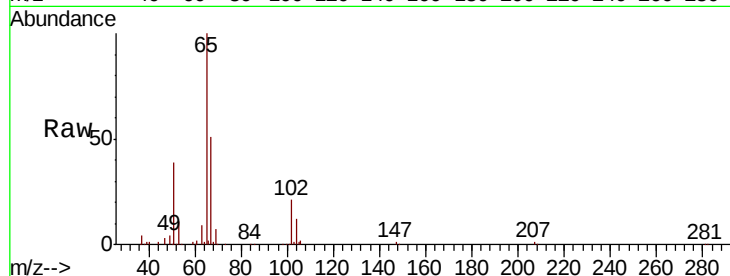




#33
 1,2-Dichloroethane-d4
 Concen: 63.646 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003222.D
 Acq: 16 Jul 2020 20:08

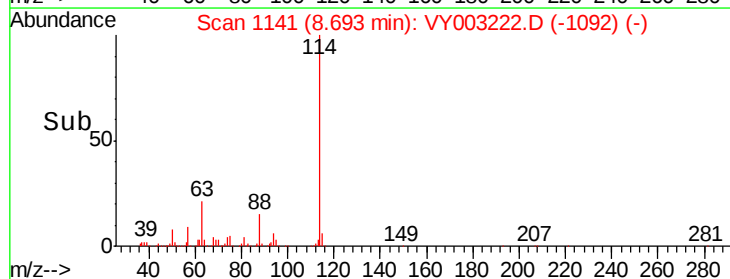
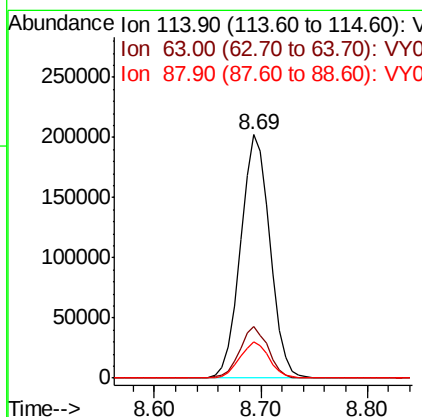
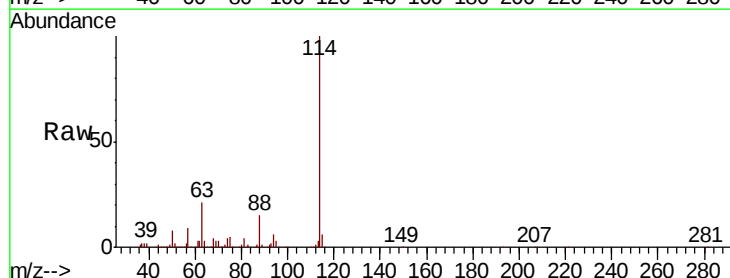
Instrument :
 MSVOA_Y
 ClientSampleId :
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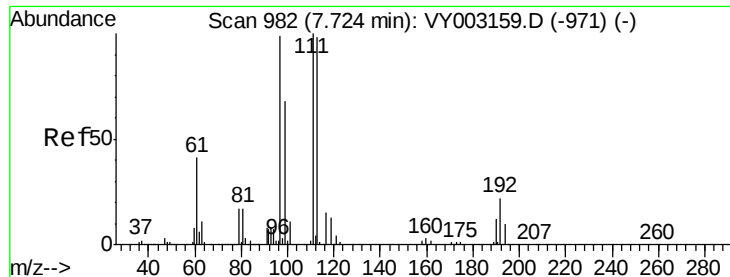
Tot Ion: 65 Resp: 140081
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003222.D
 Acq: 16 Jul 2020 20:08

Tgt Ion: 114 Resp: 392253
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.2
 88 14.7 0.0 30.2

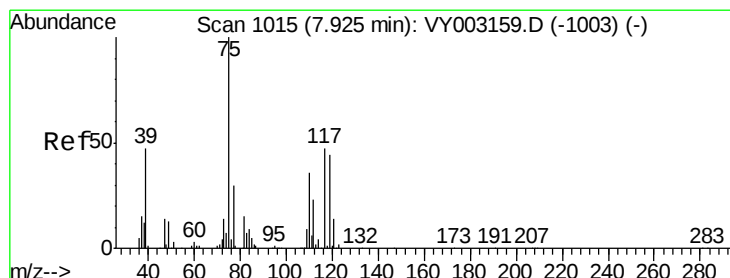
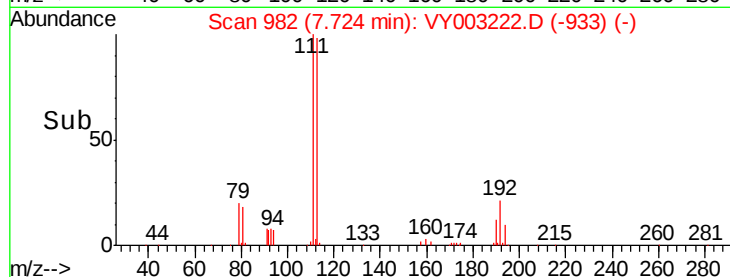
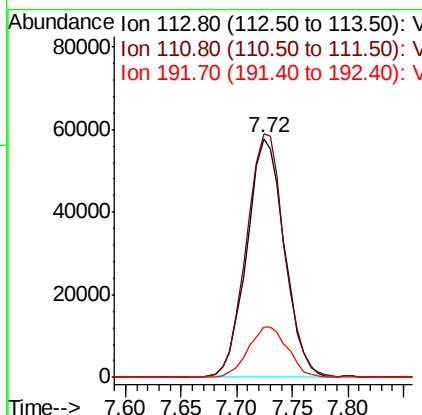
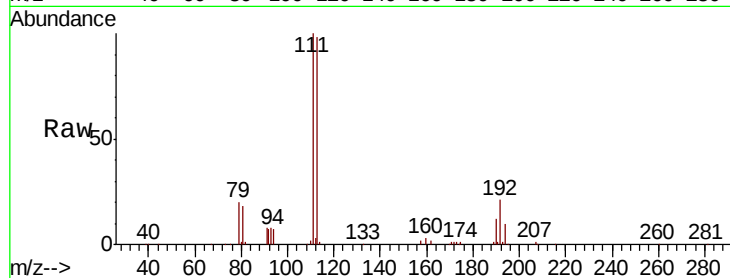




#35
 Dibromofluoromethane
 Concen: 60.256 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003222.D
 Acq: 16 Jul 2020 20:08

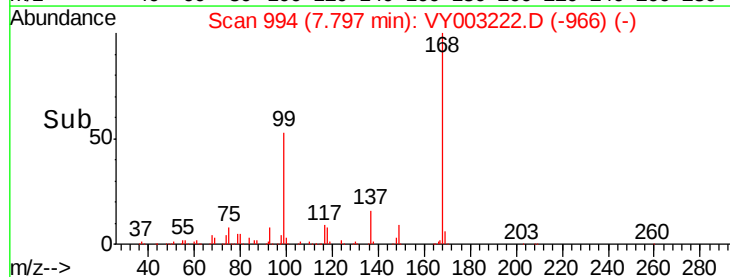
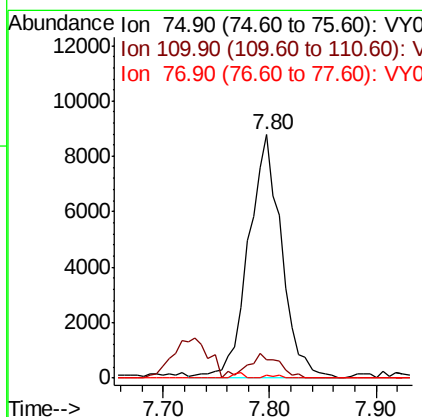
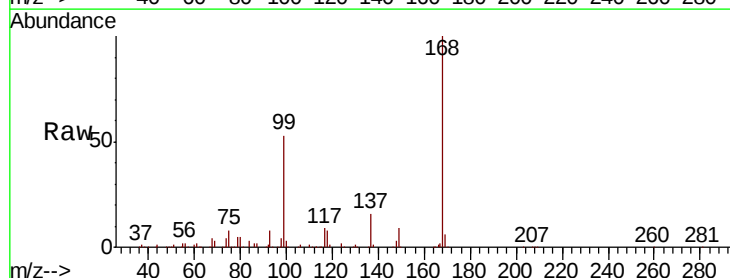
Instrument :
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 ClientSampleId :
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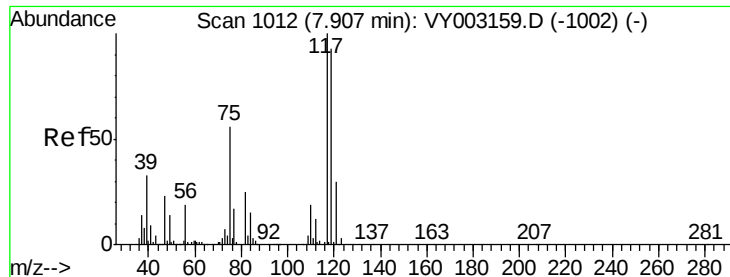
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.1	123.1
192	22.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.409 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003222.D
 Acq: 16 Jul 2020 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.5	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.664 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003222.D

Acq: 16 Jul 2020 20:08

Instrument :

MSVOA_Y

ClientSampled :

15

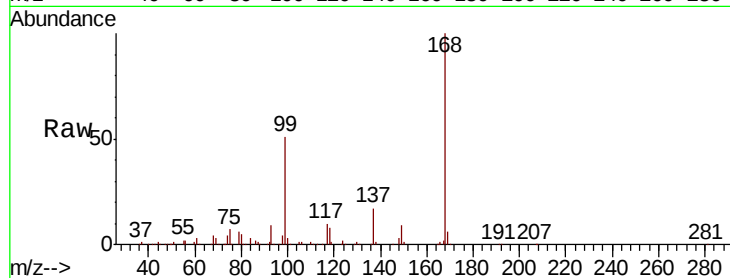
Tot Ion:117 Resp: 24456

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

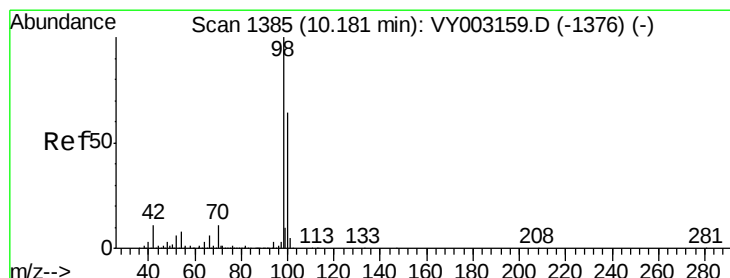
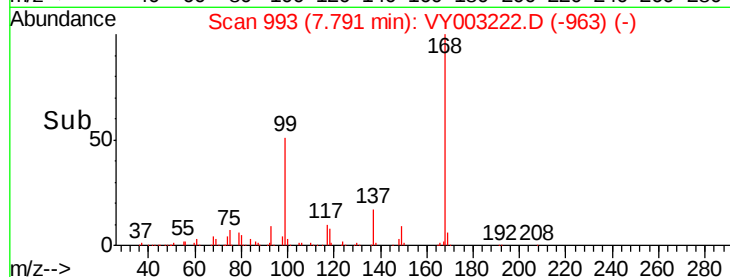
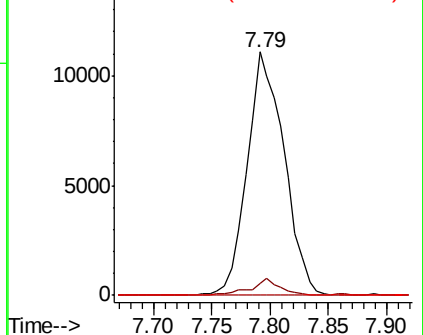
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 57.926 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003222.D

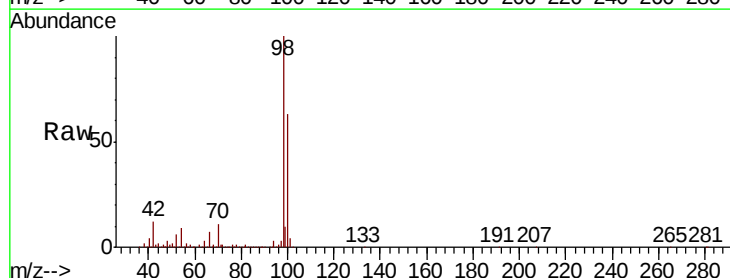
Acq: 16 Jul 2020 20:08

Tgt Ion: 98 Resp: 486135

Ion Ratio Lower Upper

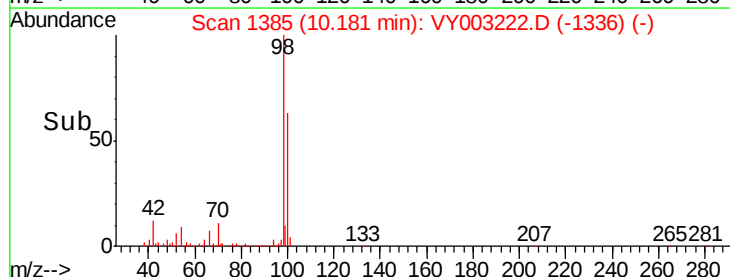
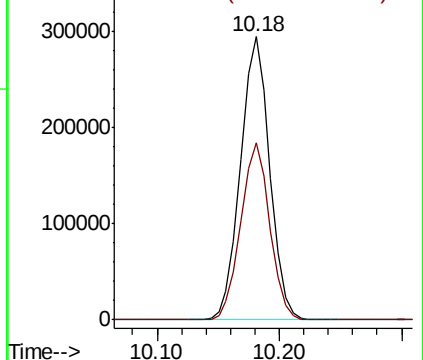
98 100

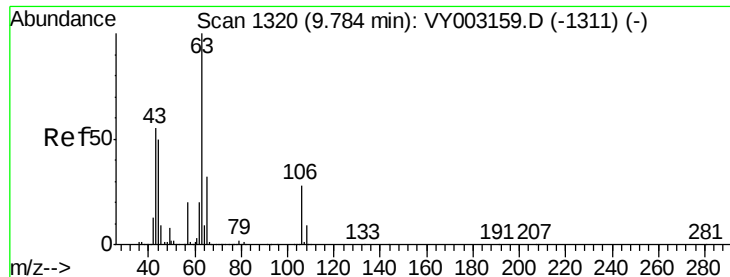
100 62.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

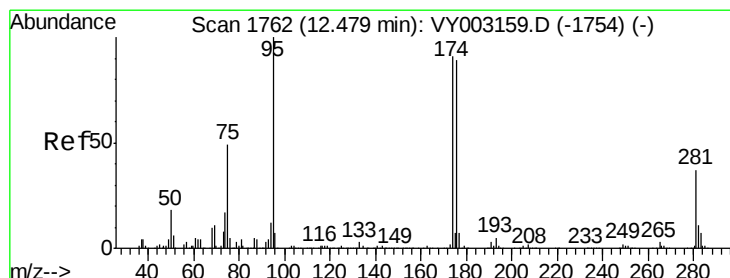
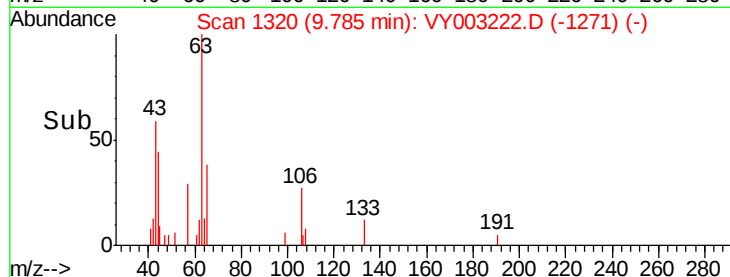
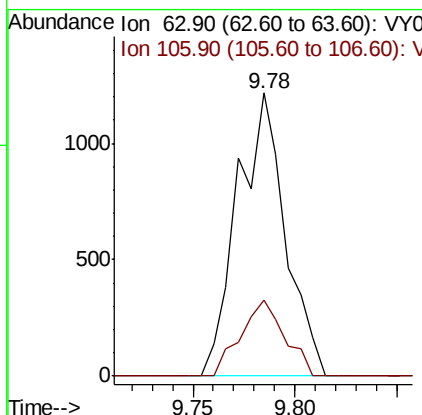
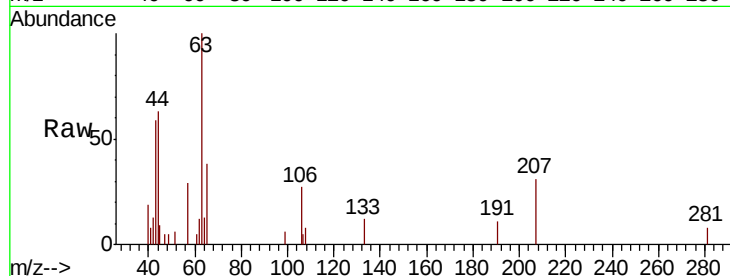




#58
2-Chloroethyl Vinyl ether
Concen: 1.364 ug/l
RT: 9.78 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

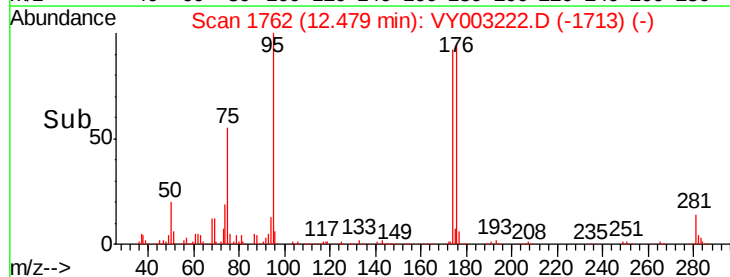
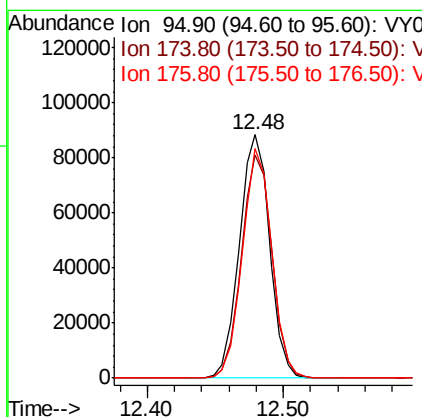
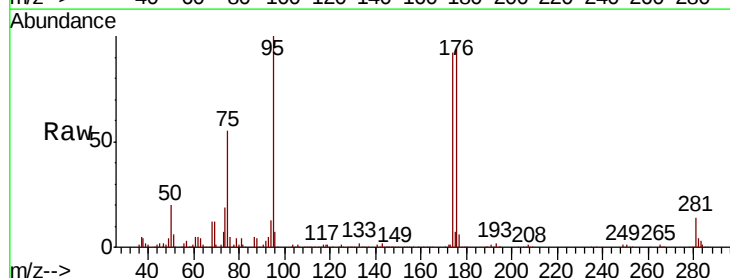
Instrument :
MSVOA_Y
ClientSampled :
15

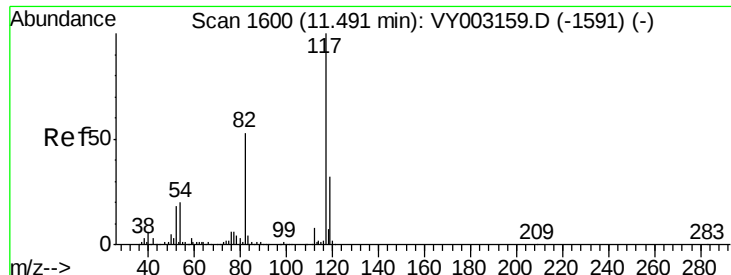
Tot Ion: 63 Resp: 1982
Ion Ratio Lower Upper
63 100
106 24.5 22.9 34.3



#62
4-Bromofluorobenzene
Concen: 45.200 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

Tgt Ion: 95 Resp: 137038
Ion Ratio Lower Upper
95 100
174 92.3 0.0 190.6
176 91.7 0.0 186.4

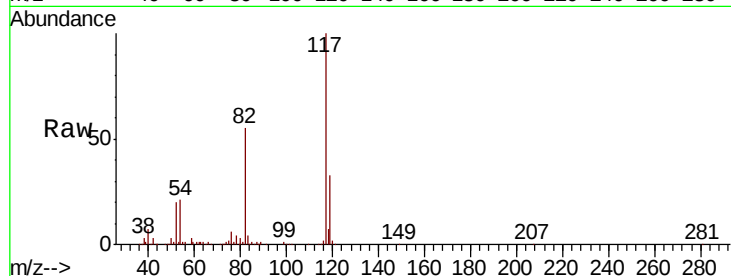




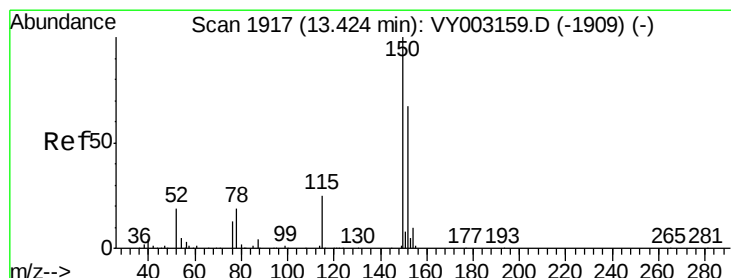
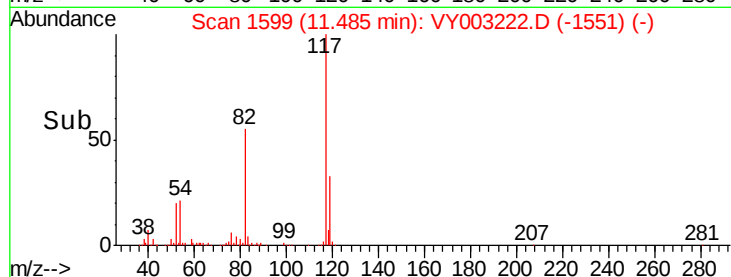
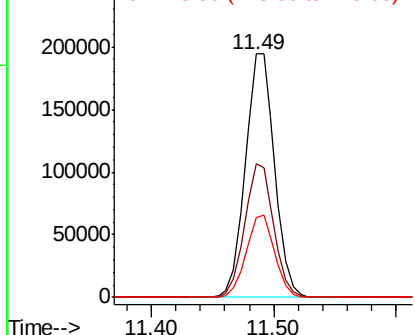
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

Instrument :
MSVOA_Y
ClientSampled :
15

Tot Ion:117 Resp: 322152
Ion Ratio Lower Upper
117 100
82 54.9 42.0 63.0
119 32.9 25.5 38.3

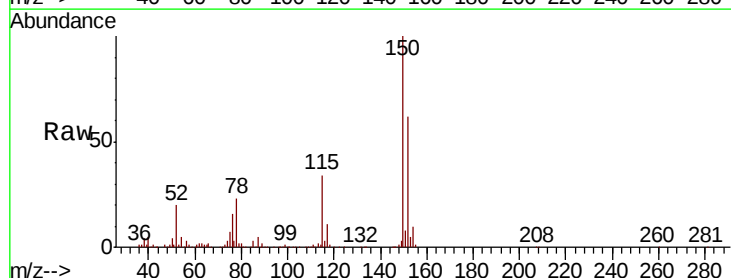


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

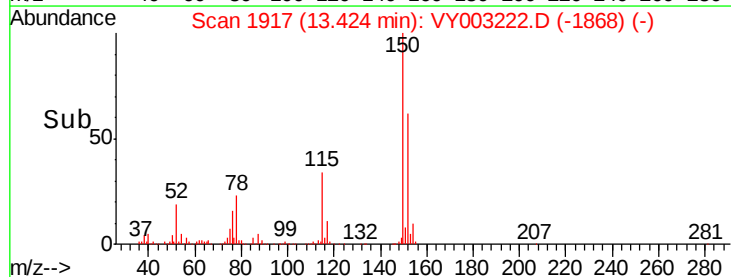
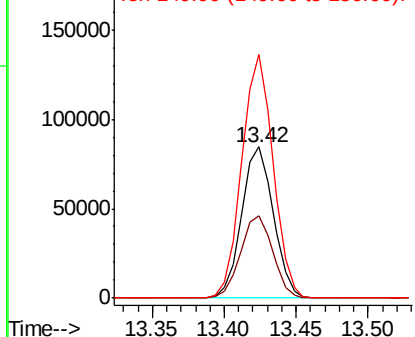


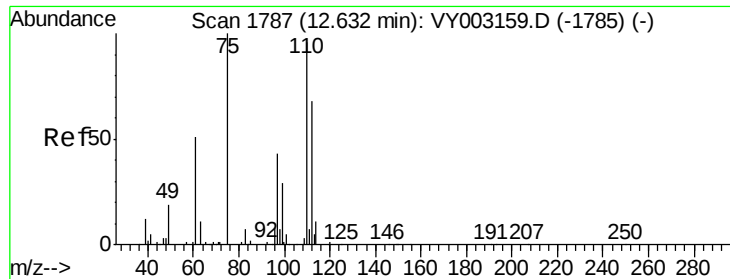
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003222.D
Acq: 16 Jul 2020 20:08

Tgt Ion:152 Resp: 129127
Ion Ratio Lower Upper
152 100
115 55.4 26.9 80.7
150 158.6 0.0 338.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.136 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003222.D

Acq: 16 Jul 2020 20:08

Instrument :

MSVOA_Y

ClientSampled :

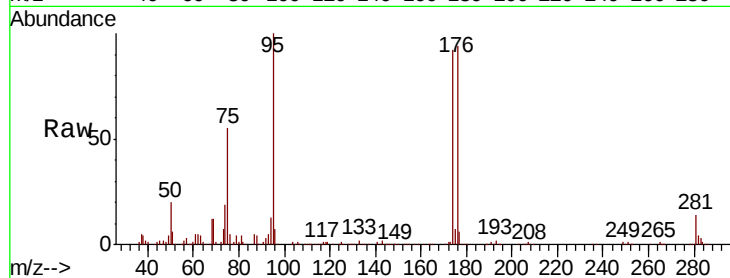
15

Tot Ion: 75 Resp: 72164

Ion Ratio Lower Upper

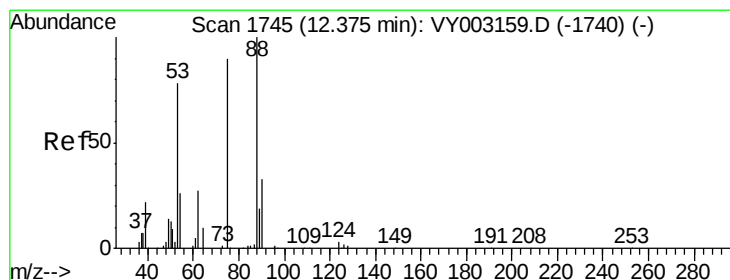
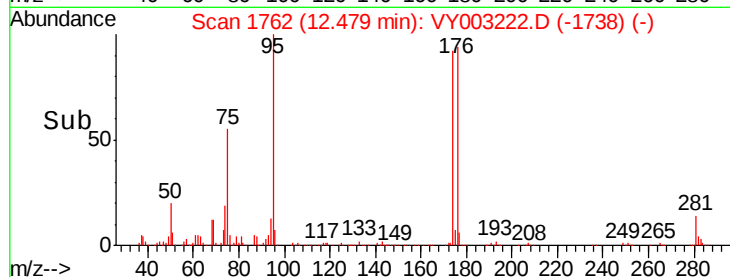
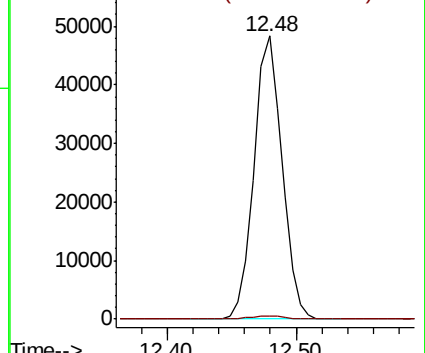
75 100

77 1.3 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: 122.874 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003222.D

Acq: 16 Jul 2020 20:08

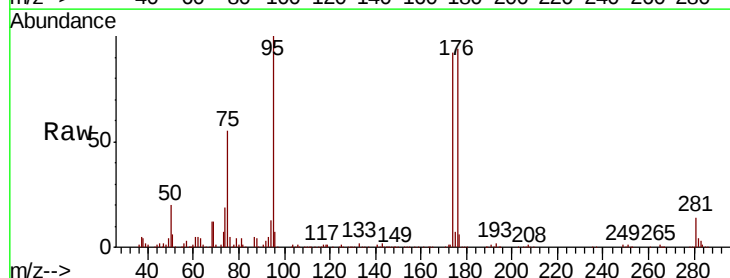
Tgt Ion: 75 Resp: 72164

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.2 37.3 55.9#



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

