

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081722\
 Data File : VY010067.D
 Acq On : 17 Aug 2022 14:41
 Operator : KP/MD
 Sample : N4191-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-211

Quant Time: Aug 18 08:19:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

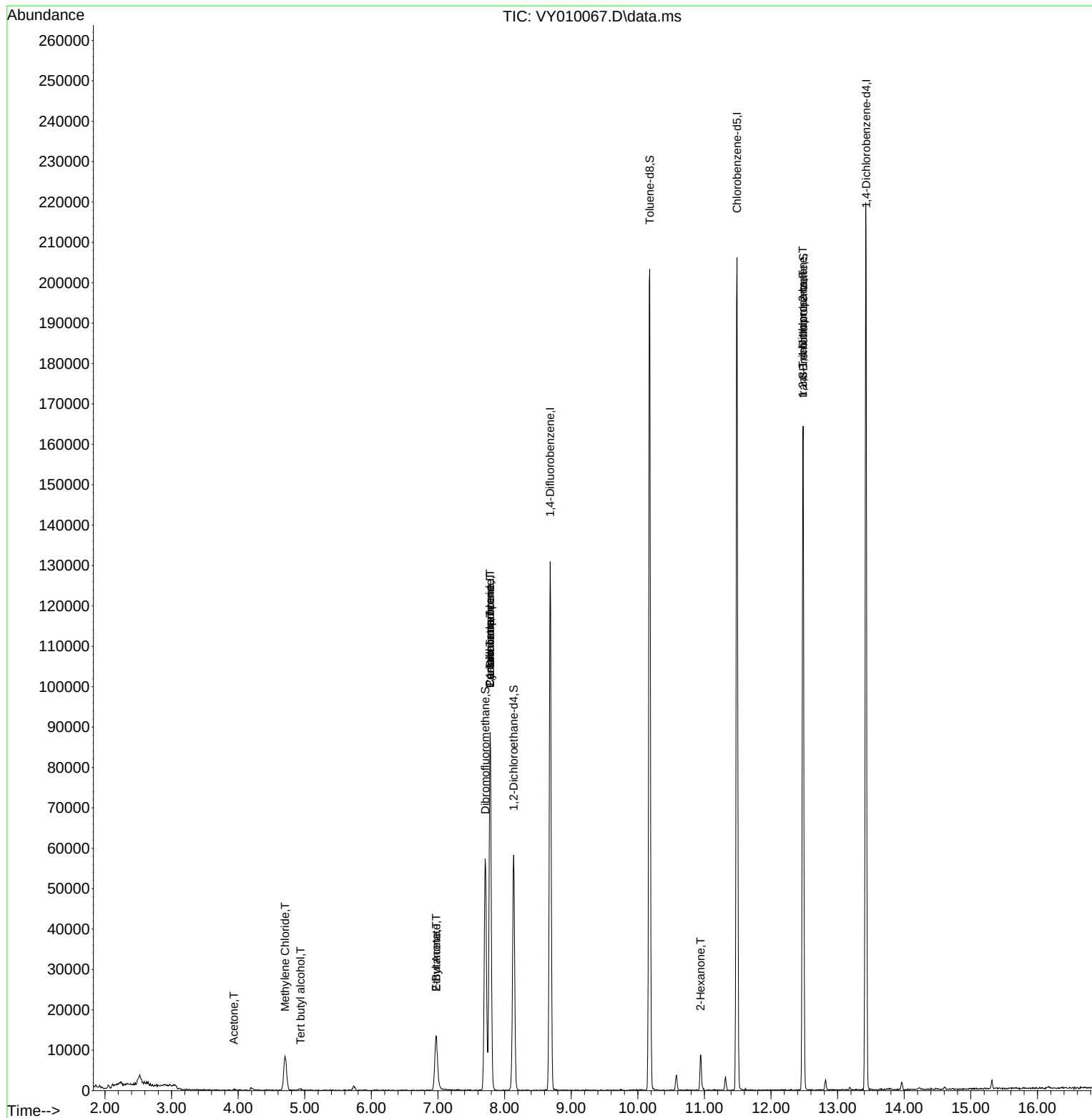
Internal Standards						
1) Pentafluorobenzene	7.783	168	72713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	113198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	114855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44555	61.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.560%	
35) Dibromofluoromethane	7.710	113	39621	53.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.940%	
50) Toluene-d8	10.179	98	136951	50.425	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.840%	
62) 4-Bromofluorobenzene	12.483	95	47421	49.711	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	352	4.979	ug/l #	74
16) Acetone	3.936	43	192	1.233	ug/l #	48
20) Methylene Chloride	4.704	84	6673	6.318	ug/l	93
25) 2-Butanone	6.972	43	758	3.558	ug/l #	48
31) Cyclohexane	7.783	56	1224	1.192	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	4890	4.782	ug/l #	51
37) Ethyl Acetate	6.972	43	758	1.472	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6880	5.470	ug/l #	15
59) 2-Hexanone	10.941	43	115	24.404	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	25004	45.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25004	102.845	ug/l #	12

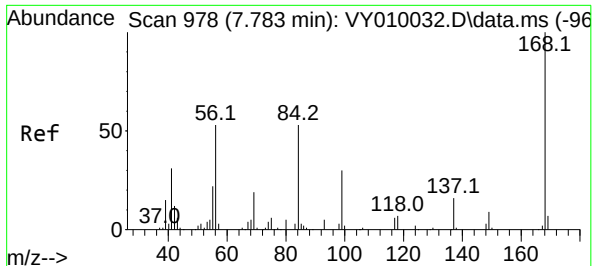
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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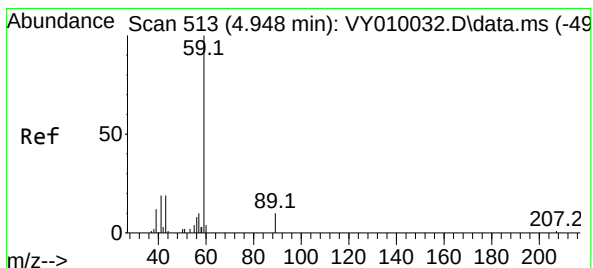
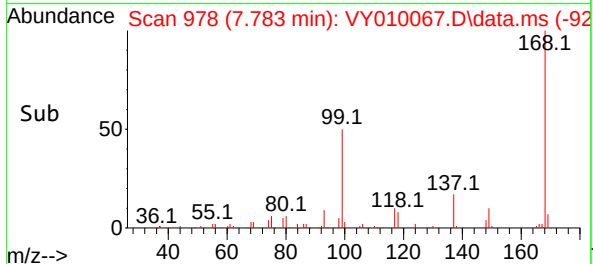
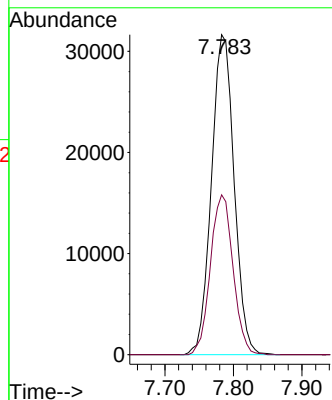
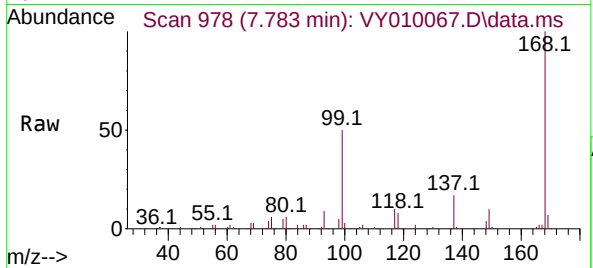




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

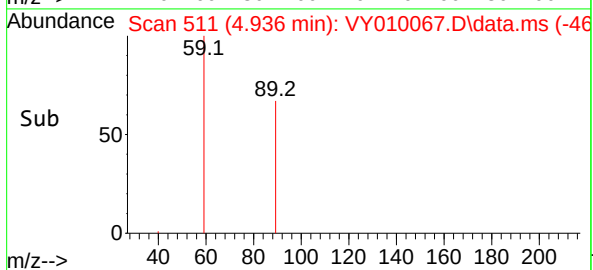
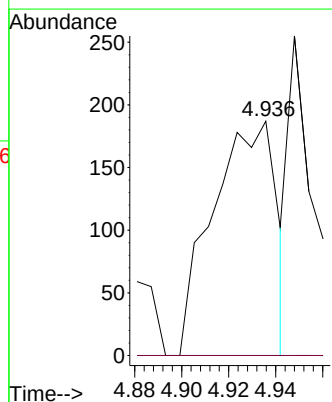
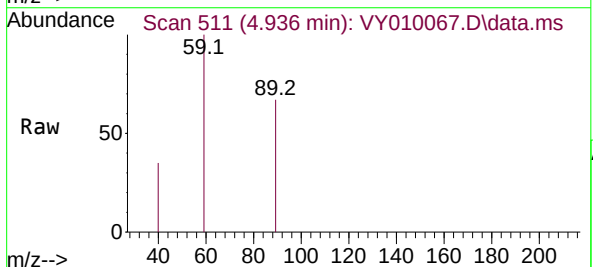
Instrument :
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RO-211

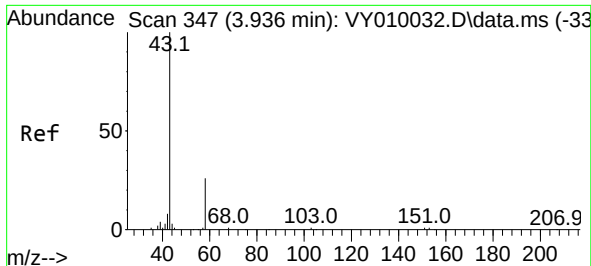
Tgt Ion:168 Resp: 72713
Ion Ratio Lower Upper
168 100
99 49.9 37.7 56.5



#11
Tert butyl alcohol
Concen: 4.979 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

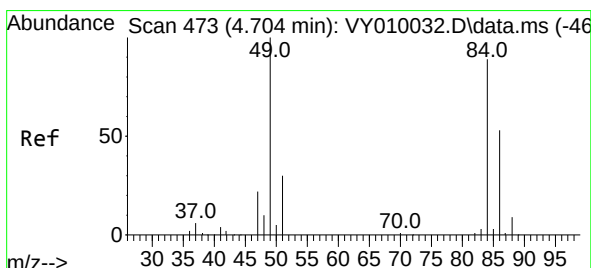
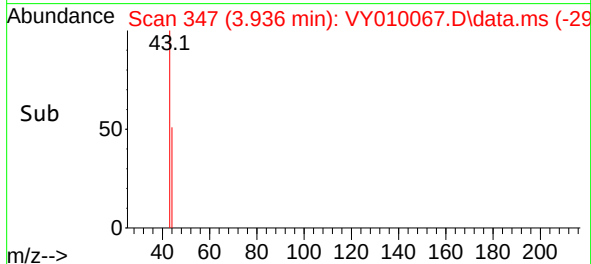
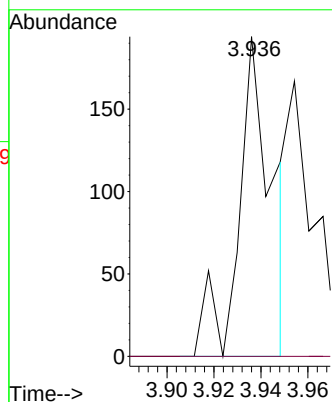
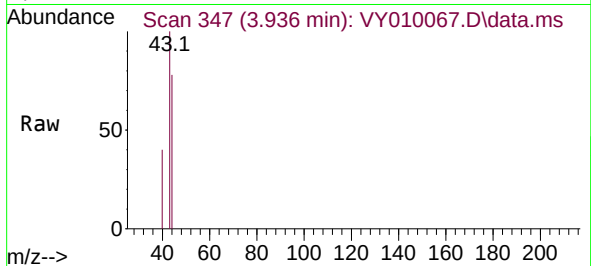




#16
Acetone
Concen: 1.233 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

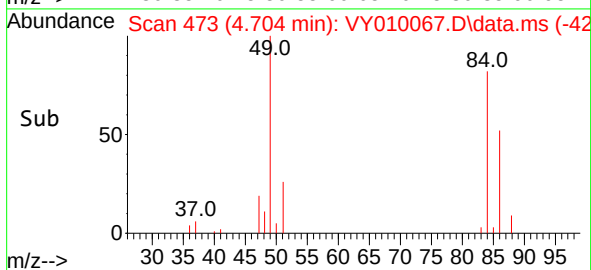
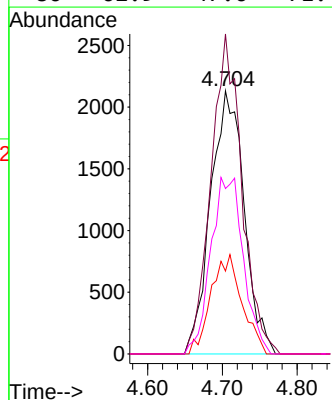
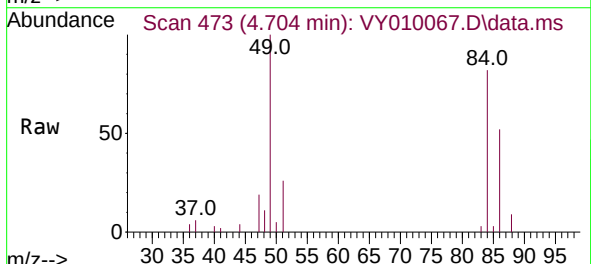
Instrument :
MSVOA_Y
ClientSampleId :
RO-211

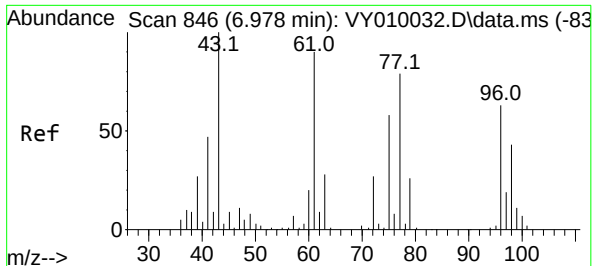
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 0.0 21.4 32.0#



#20
Methylene Chloride
Concen: 6.318 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

Tgt Ion: 84 Resp: 6673
Ion Ratio Lower Upper
84 100
49 121.7 89.5 134.3
51 31.5 26.8 40.2
86 62.9 47.6 71.4





#25

2-Butanone

Concen: 3.558 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

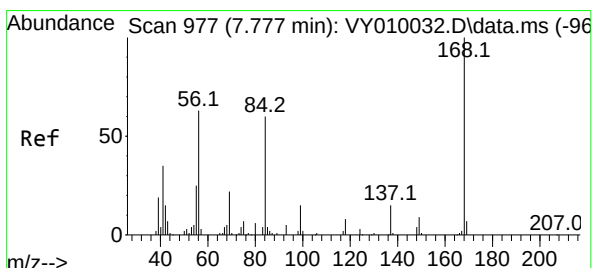
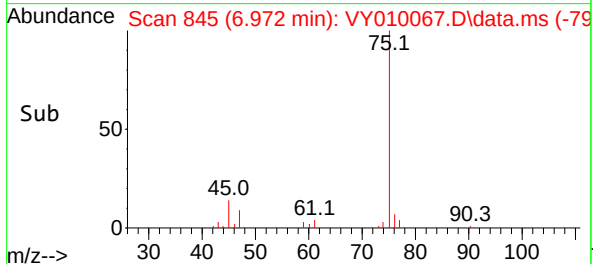
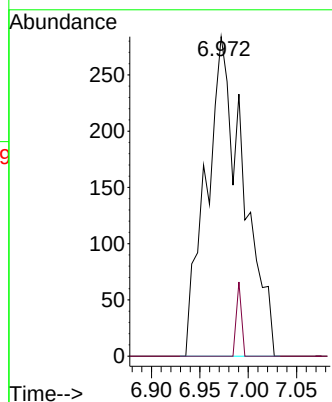
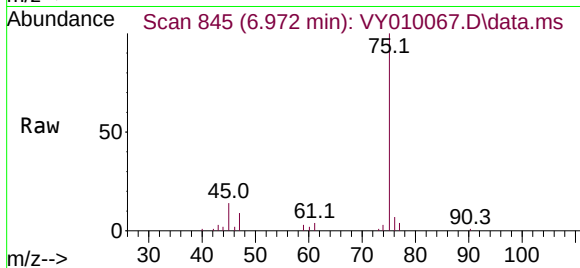
RO-211

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

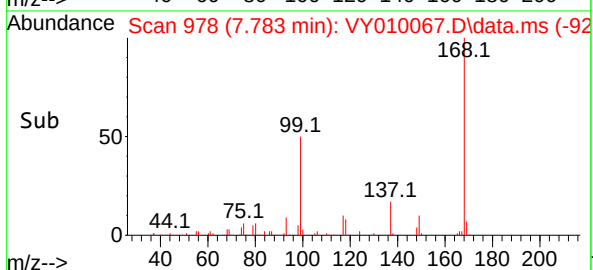
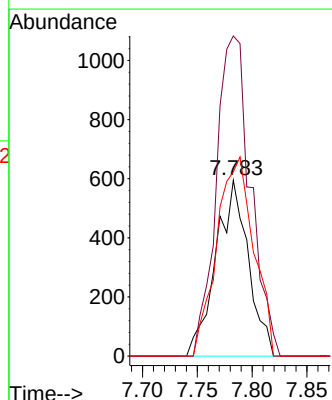
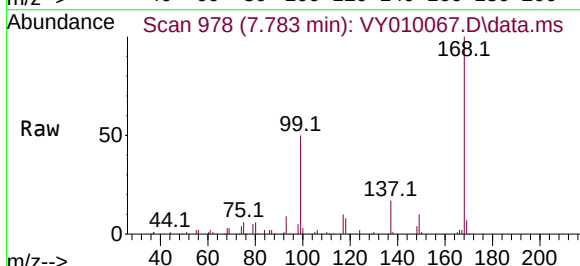
Tgt Ion: 56 Resp: 1224

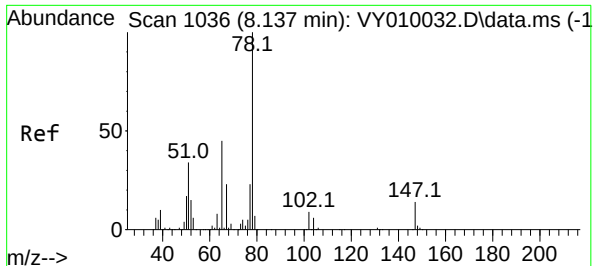
Ion Ratio Lower Upper

56 100

69 182.0 28.6 43.0#

84 104.7 76.0 114.0





#33

1,2-Dichloroethane-d4

Concen: 61.283 ug/l

RT: 8.136 min Scan# 11036

Delta R.T. -0.001 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

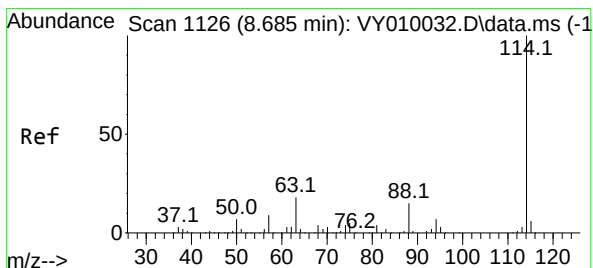
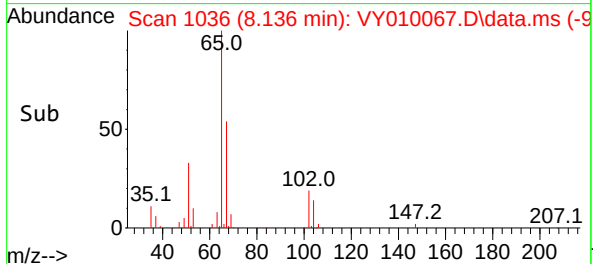
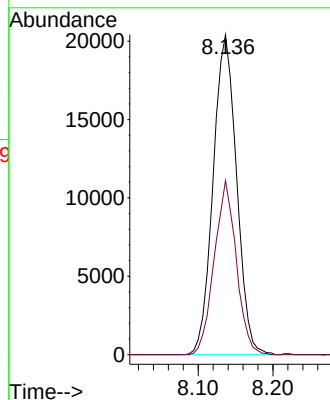
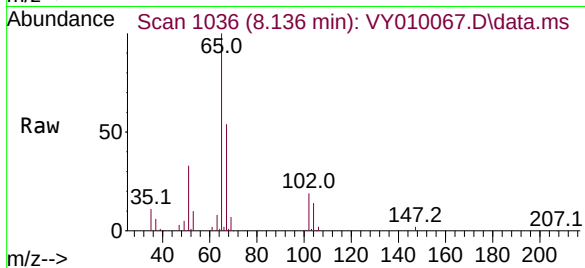
RO-211

Tgt Ion: 65 Resp: 44555

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

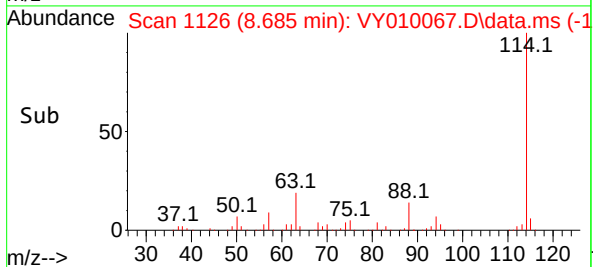
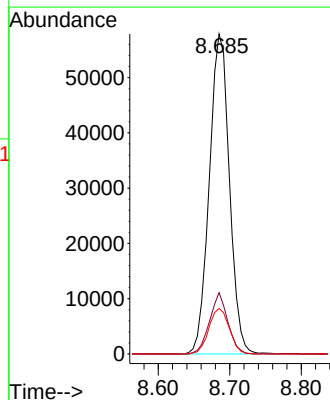
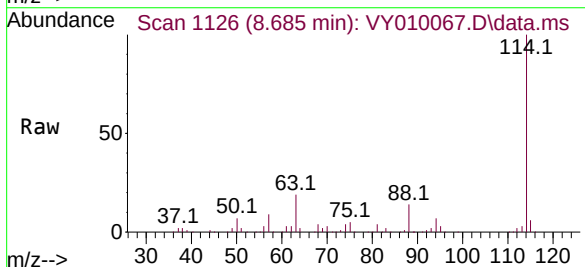
Tgt Ion: 114 Resp: 113198

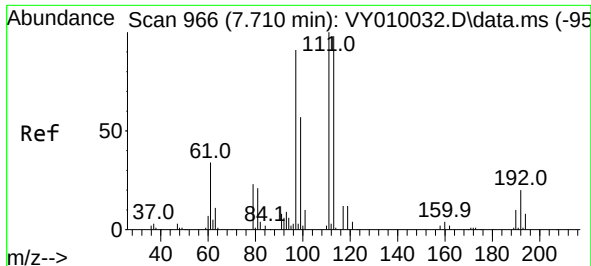
Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.2

88 14.2 0.0 30.2

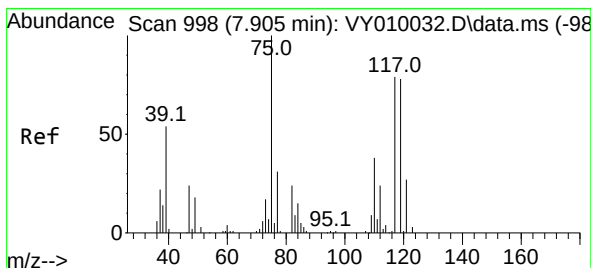
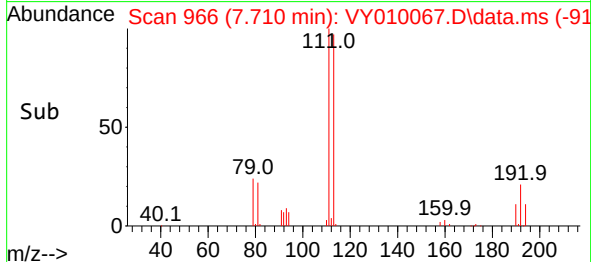
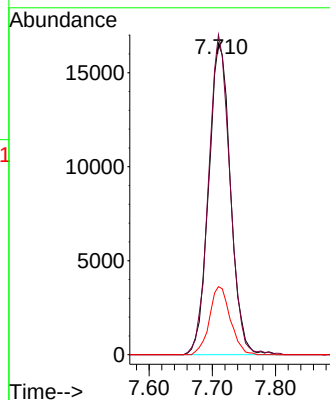
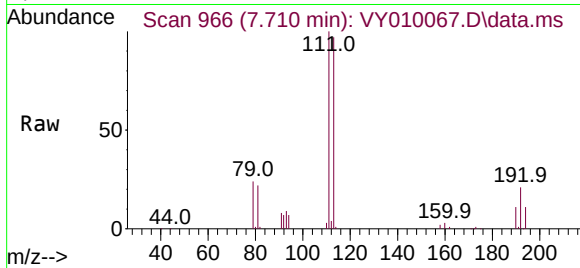




#35
Dibromofluoromethane
Concen: 53.973 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

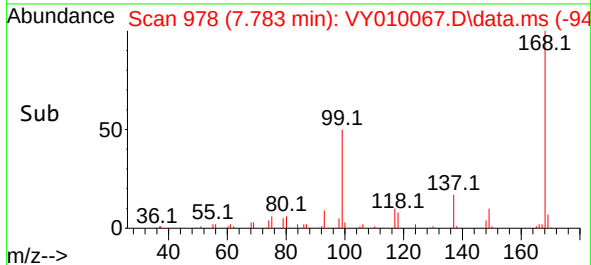
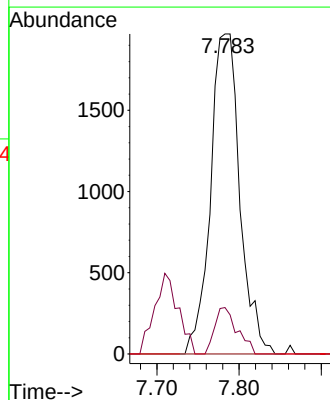
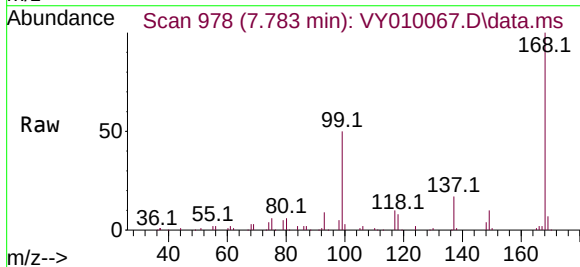
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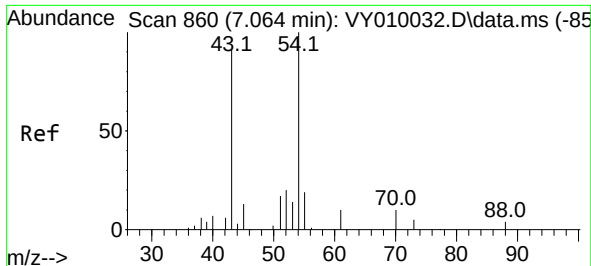
Tgt Ion:113 Resp: 39621
Ion Ratio Lower Upper
113 100
111 100.7 82.7 124.1
192 20.9 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.782 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

Tgt Ion: 75 Resp: 4890
Ion Ratio Lower Upper
75 100
110 11.1 18.4 55.4#
77 0.0 24.6 36.8#

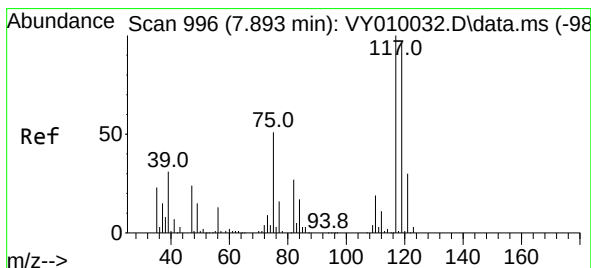
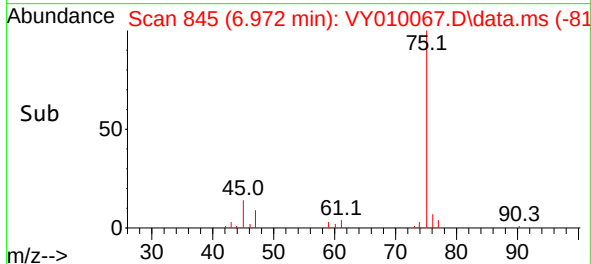
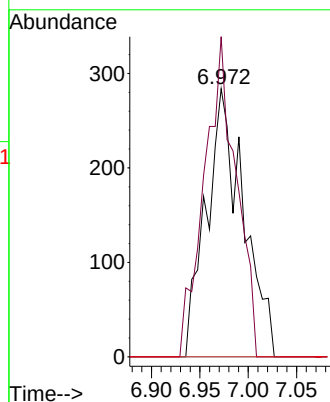
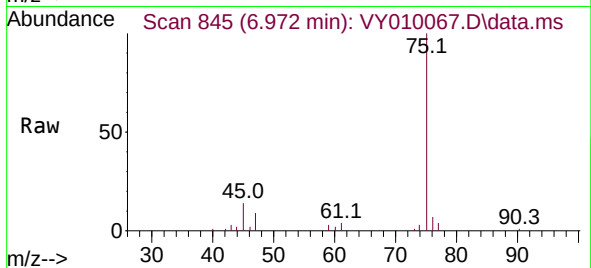




#37
Ethyl Acetate
Concen: 1.472 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.092 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

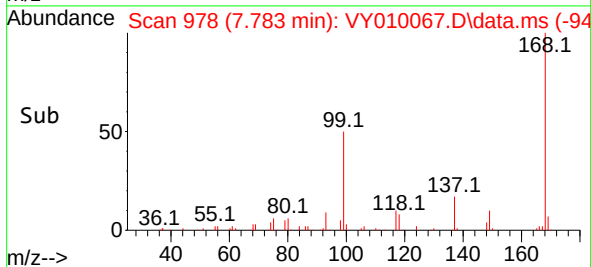
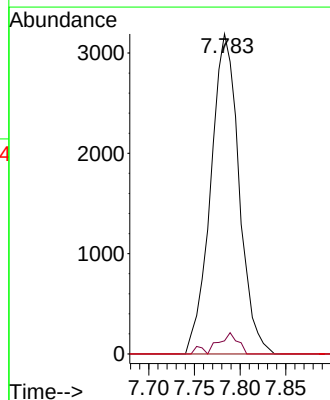
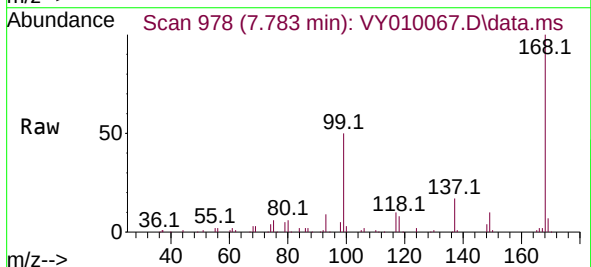
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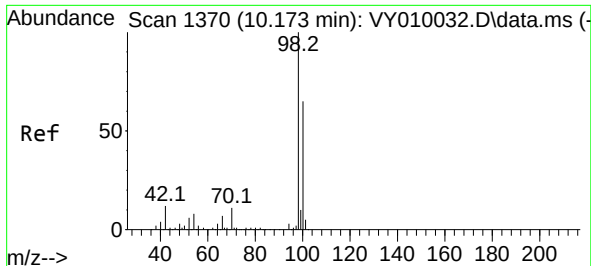
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
61 102.4 9.6 14.4#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.470 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

Tgt Ion: 117 Resp: 6880
Ion Ratio Lower Upper
117 100
119 4.1 77.0 115.6#
121 0.0 24.2 36.4#

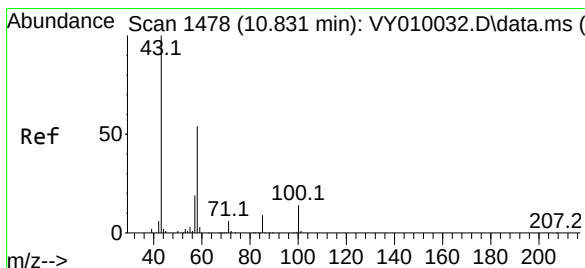
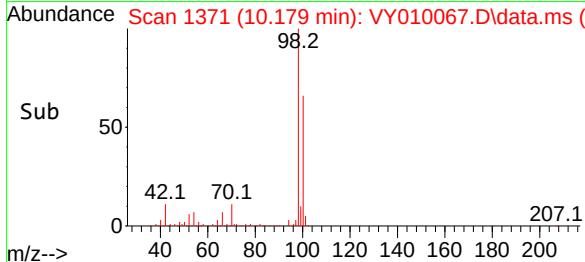
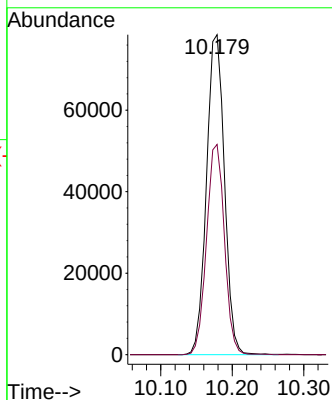
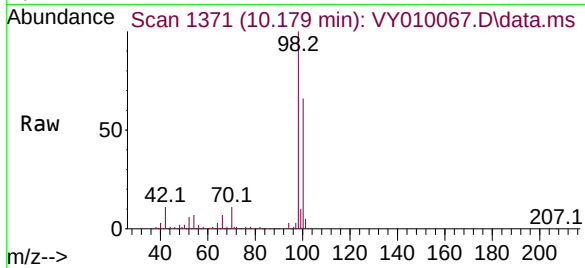




#50
Toluene-d8
Concen: 50.425 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

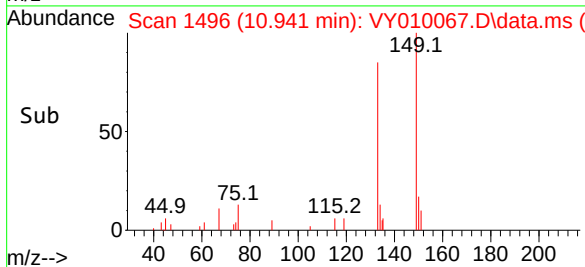
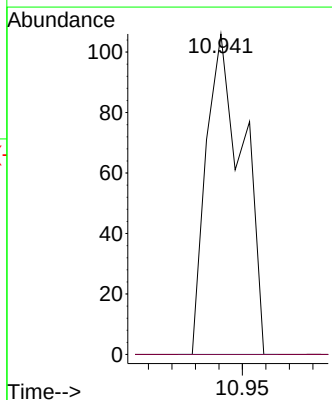
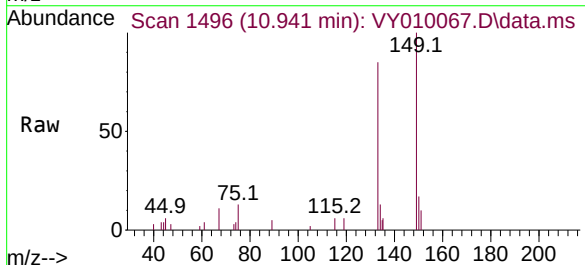
Instrument :
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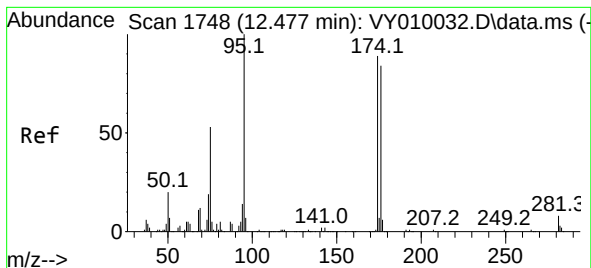
Tgt Ion: 98 Resp: 136951
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#59
2-Hexanone
Concen: 24.404 ug/l
RT: 10.941 min Scan# 1496
Delta R.T. 0.110 min
Lab File: VY010067.D
Acq: 17 Aug 2022 14:41

Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#





#62

4-Bromofluorobenzene

Concen: 49.711 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

RO-211

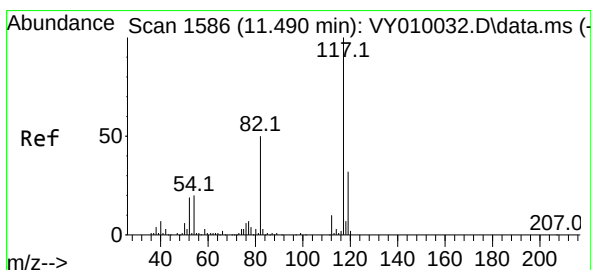
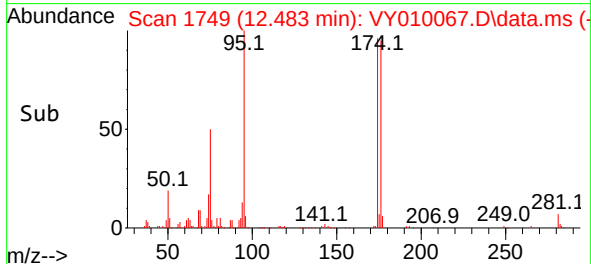
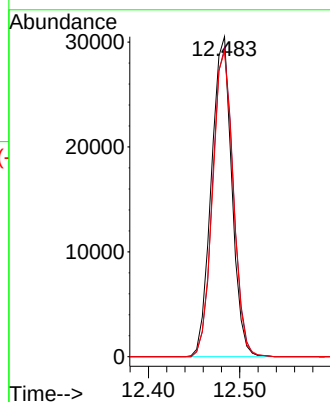
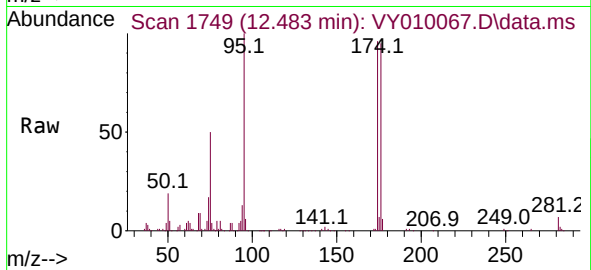
Tgt Ion: 95 Resp: 47421

Ion Ratio Lower Upper

95 100

174 97.3 0.0 184.2

176 95.9 0.0 178.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

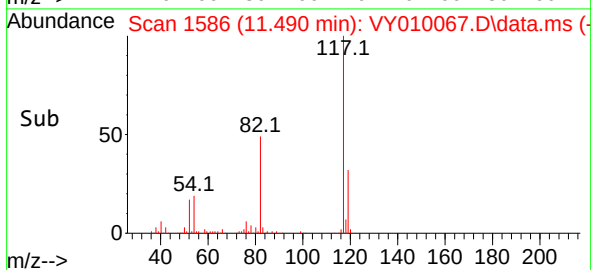
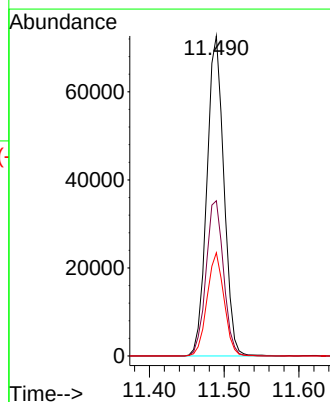
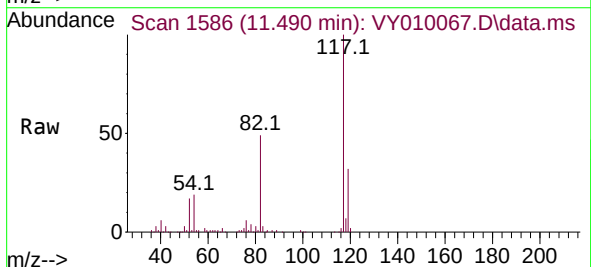
Tgt Ion: 117 Resp: 114855

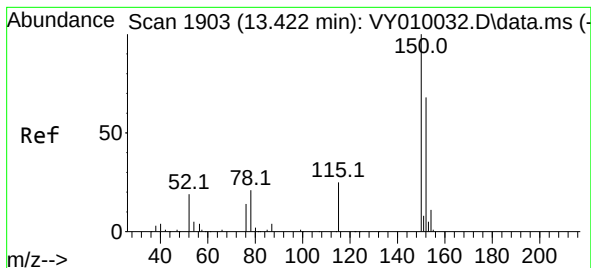
Ion Ratio Lower Upper

117 100

82 48.5 39.8 59.6

119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY010067.D

Acq: 17 Aug 2022 14:41

Instrument :

MSVOA_Y

ClientSampleId :

RO-211

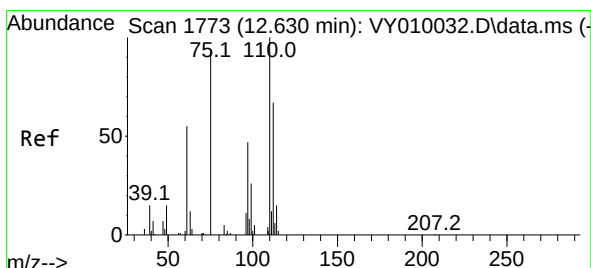
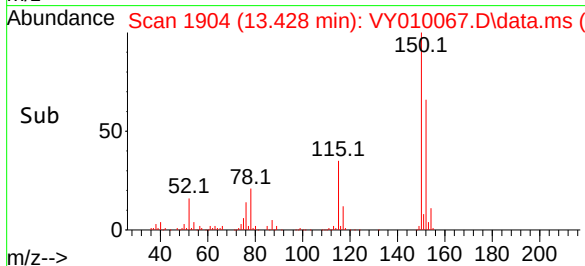
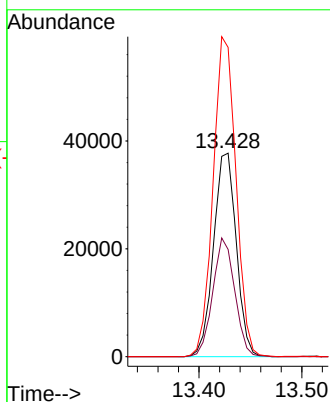
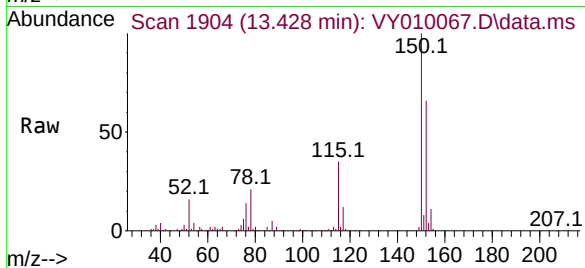
Tgt Ion:152 Resp: 57963

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.3

150 157.9 0.0 346.6



#76

1,2,3-Trichloropropane

Concen: 45.509 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY010067.D

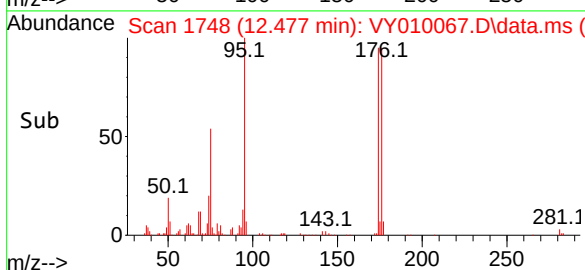
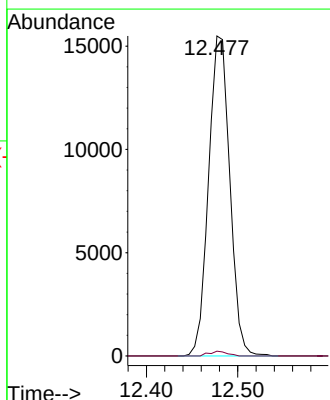
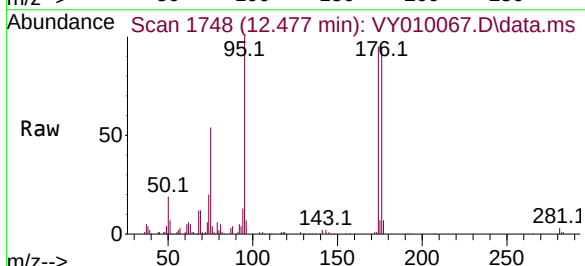
Acq: 17 Aug 2022 14:41

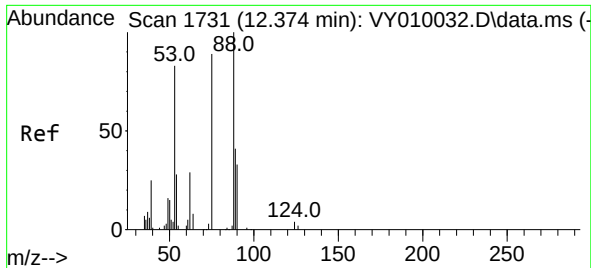
Tgt Ion: 75 Resp: 25004

Ion Ratio Lower Upper

75 100

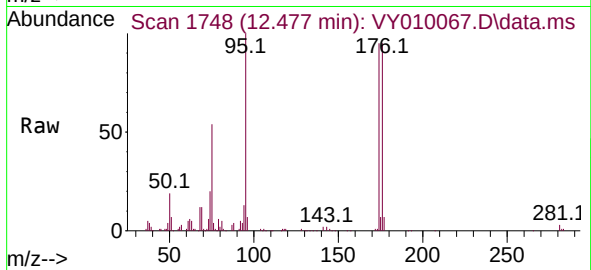
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.845 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010067.D
 Acq: 17 Aug 2022 14:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-211



Tgt Ion:	75	Resp:	25004
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.2	111.4#
89	0.1	37.8	56.6#

