

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013902.D
 Acq On : 26 May 2023 18:44
 Operator : KP/MD
 Sample : 02955-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP02

Quant Time: May 29 04:36:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

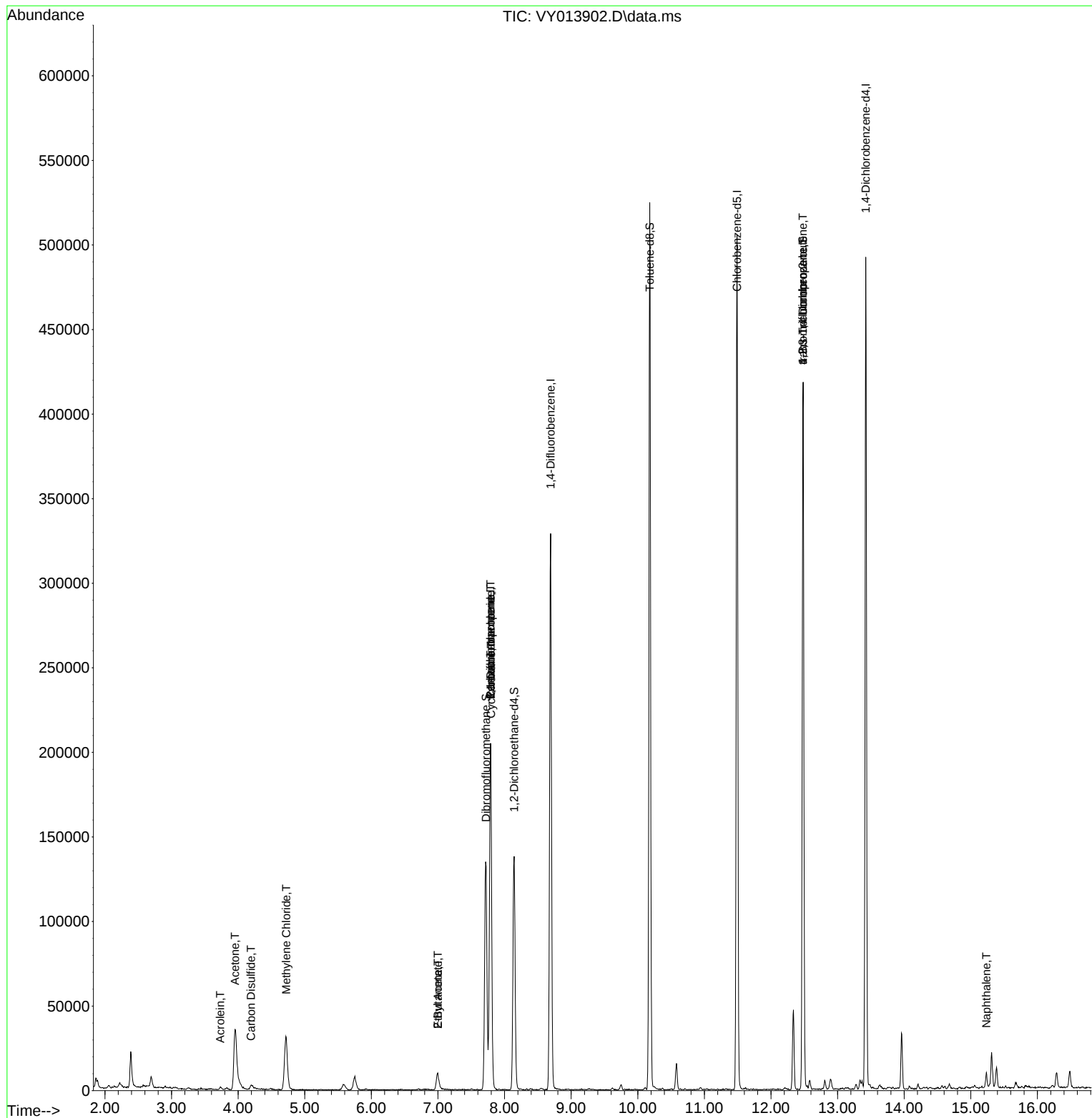
Internal Standards						
1) Pentafluorobenzene	7.789	168	158432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	268587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115494	63.012	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.020%	
35) Dibromofluoromethane	7.722	113	93304	53.499	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.000%	
50) Toluene-d8	10.179	98	332574	50.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.477	95	111891	50.783	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.560%	
Target Compounds						
						Qvalue
13) Acrolein	3.729	56	1607	7.609	ug/l #	79
16) Acetone	3.954	43	79631	146.379	ug/l	97
17) Carbon Disulfide	4.192	76	4865	1.052	ug/l	95
20) Methylene Chloride	4.723	84	23080	9.930	ug/l	93
25) 2-Butanone	6.997	43	17016	25.634	ug/l	97
31) Cyclohexane	7.795	56	3531	1.254	ug/l #	24
36) 1,1-Dichloropropene	7.789	75	11855	4.463	ug/l #	51
37) Ethyl Acetate	6.997	43	17016	10.501	ug/l #	74
38) Carbon Tetrachloride	7.789	117	15216	5.037	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	62638	42.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62638	93.244	ug/l #	10
95) Naphthalene	15.233	128	7726	5.879	ug/l	97

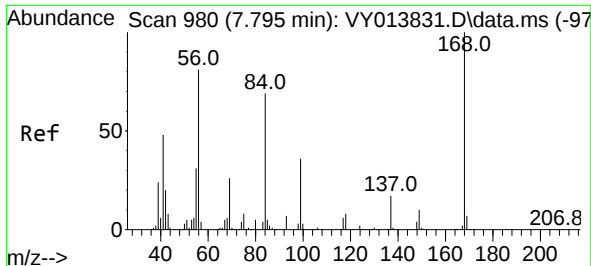
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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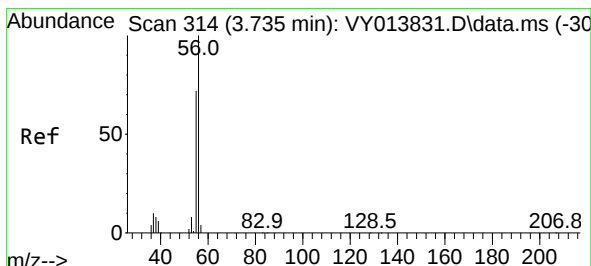
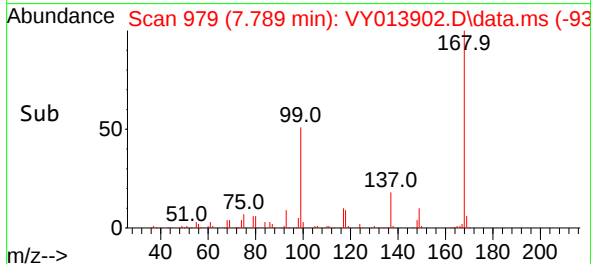
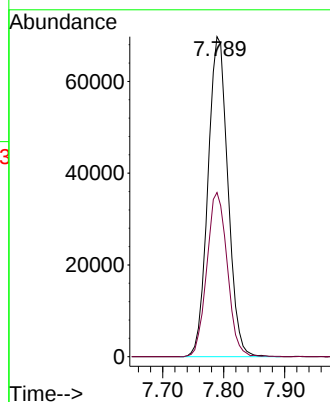
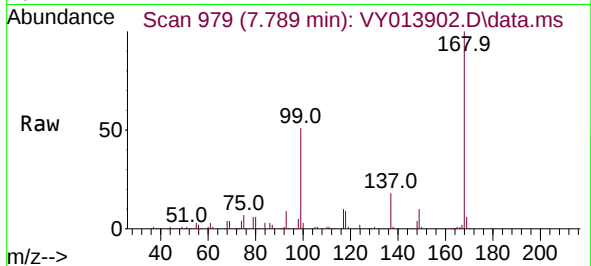




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

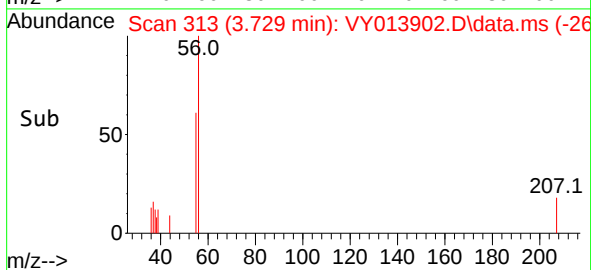
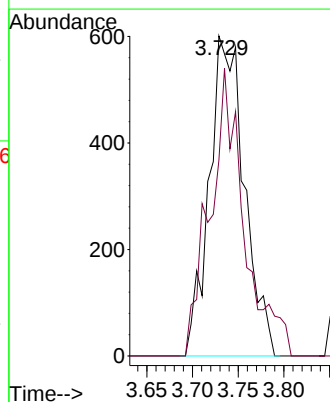
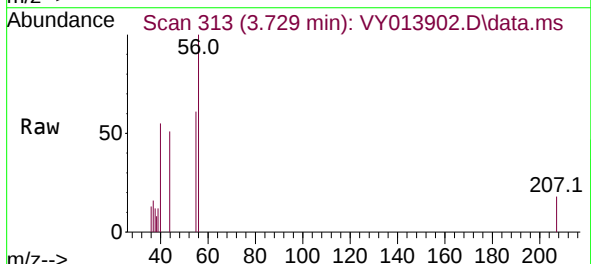
Instrument :
MSVOA_Y
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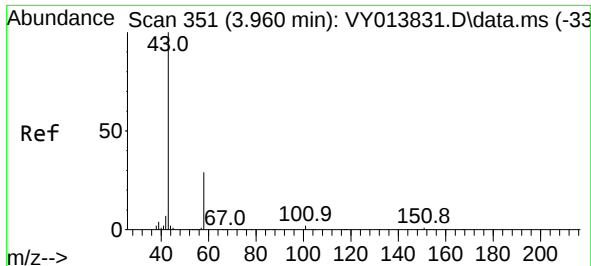
Tgt Ion:168 Resp: 158432
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.2



#13
Acrolein
Concen: 7.609 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 56 Resp: 1607
Ion Ratio Lower Upper
56 100
55 87.4 56.2 84.2#

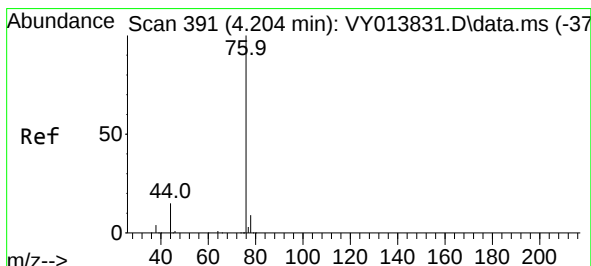
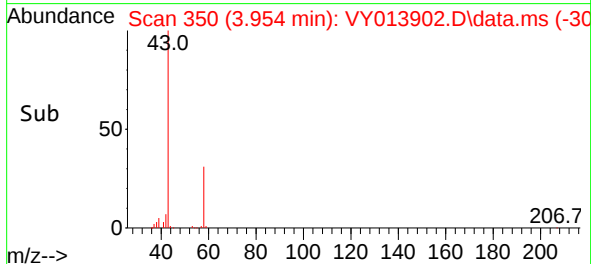
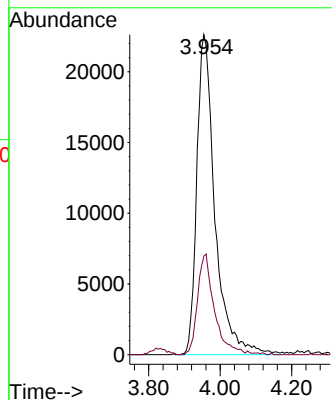
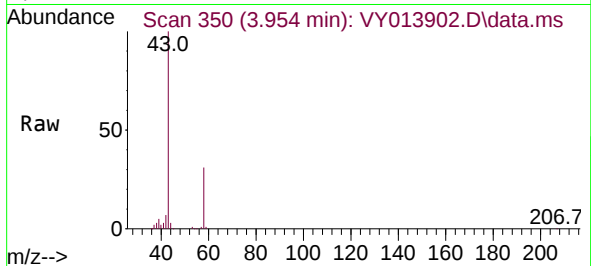




#16
Acetone
Concen: 146.379 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

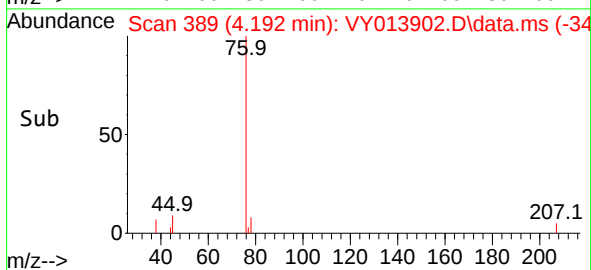
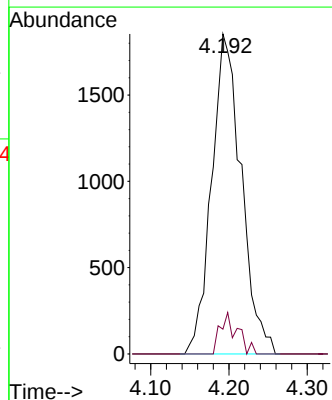
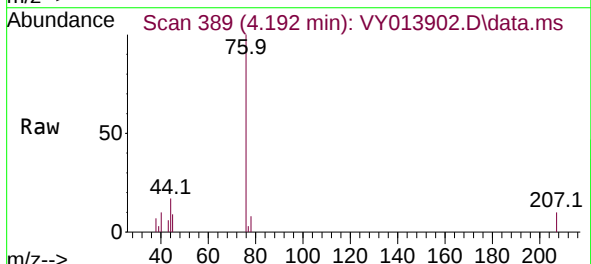
Instrument :
MSVOA_Y
ClientSampleId :
DUP02

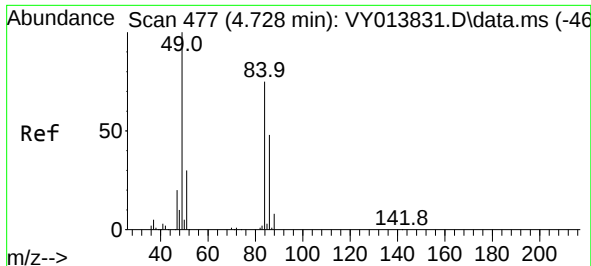
Tgt Ion: 43 Resp: 79631
Ion Ratio Lower Upper
43 100
58 30.8 23.3 34.9



#17
Carbon Disulfide
Concen: 1.052 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.012 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 76 Resp: 4865
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3

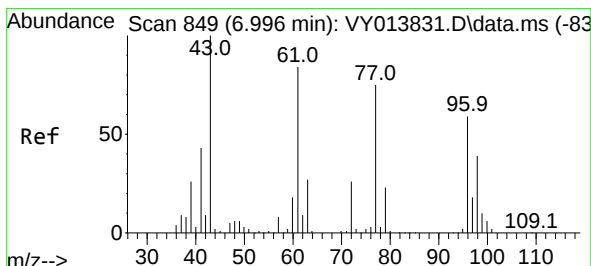
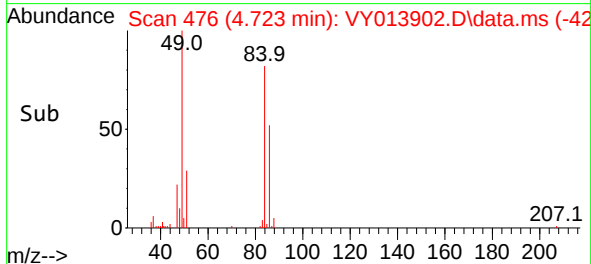
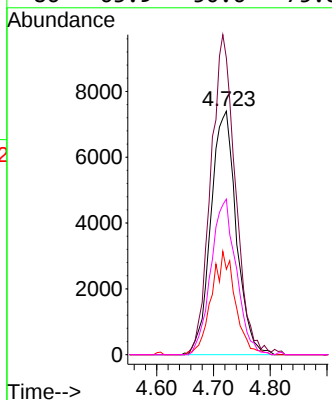
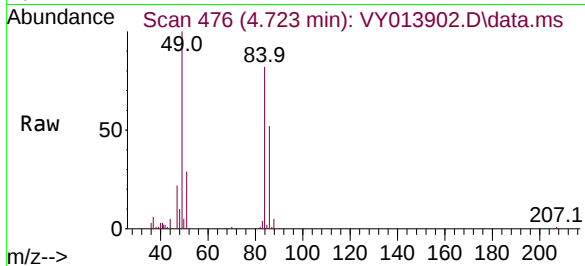




#20
Methylene Chloride
Concen: 9.930 ug/l
RT: 4.723 min Scan# 477
Delta R.T. -0.005 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

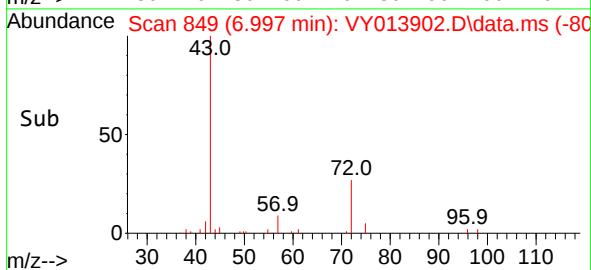
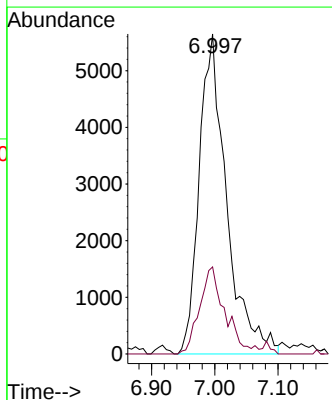
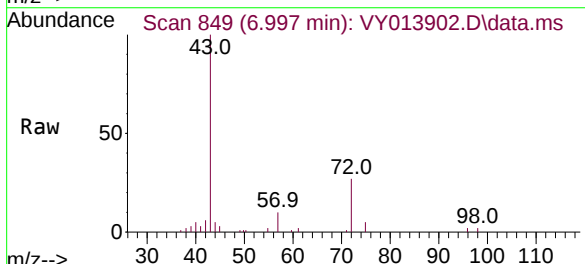
Instrument :
MSVOA_Y
ClientSampleId :
DUP02

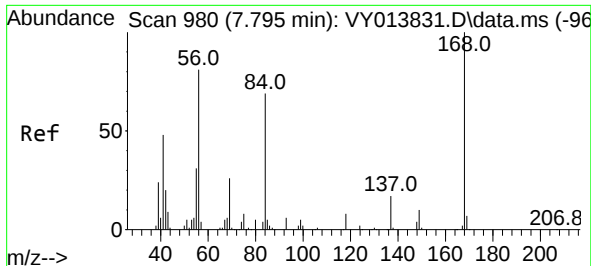
Tgt Ion:	84	Resp:	23080
Ion	Ratio	Lower	Upper
84	100		
49	121.8	106.2	159.2
51	35.1	31.4	47.0
86	63.9	50.6	75.8



#25
2-Butanone
Concen: 25.634 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion:	43	Resp:	17016
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.5	30.7

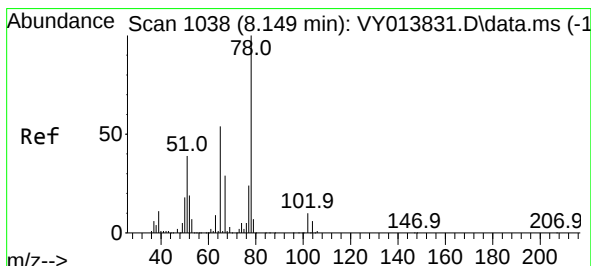
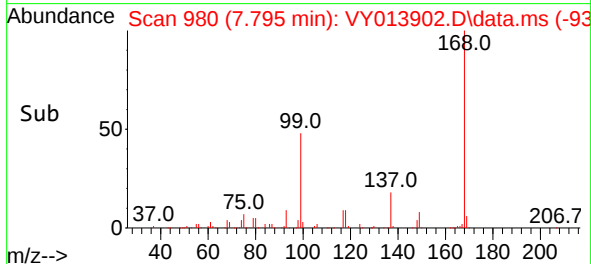
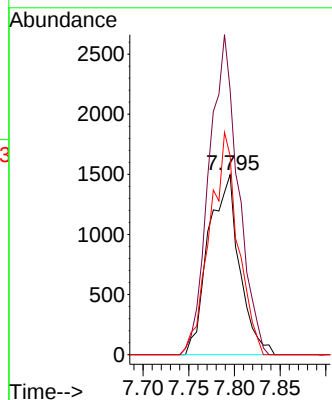
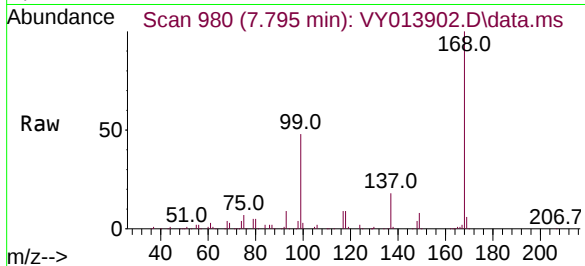




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

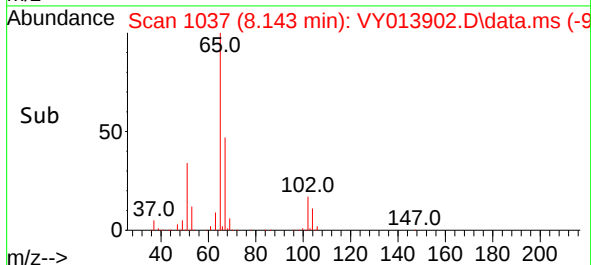
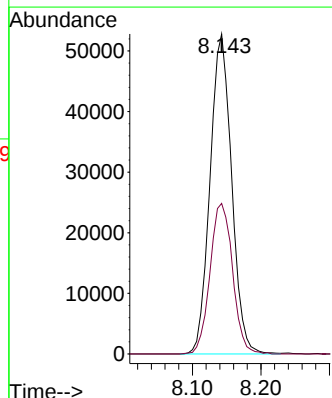
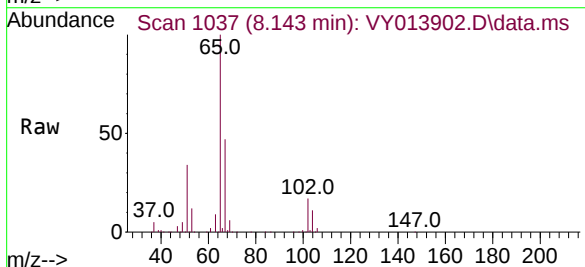
Instrument :
MSVOA_Y
ClientSampleId :
DUP02

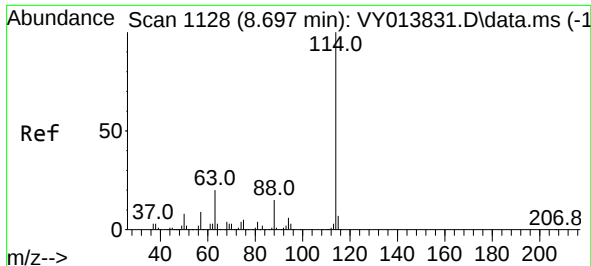
Tgt Ion: 56 Resp: 3531
Ion Ratio Lower Upper
56 100
69 147.2 25.8 38.8#
84 110.4 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 63.012 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 65 Resp: 115494
Ion Ratio Lower Upper
65 100
67 49.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013902.D

Acq: 26 May 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

DUP02

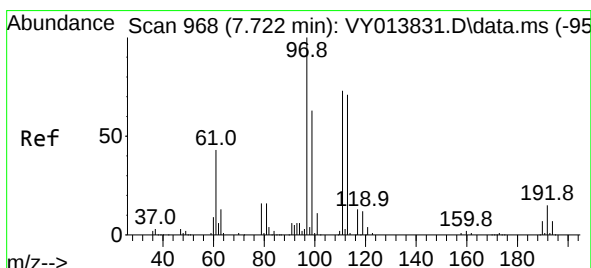
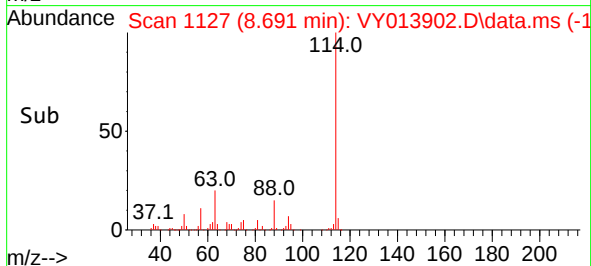
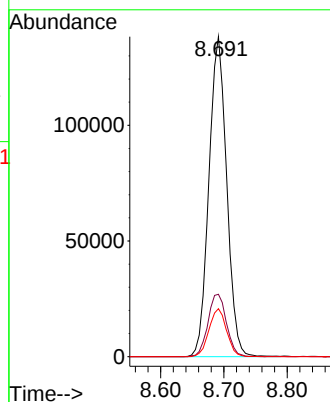
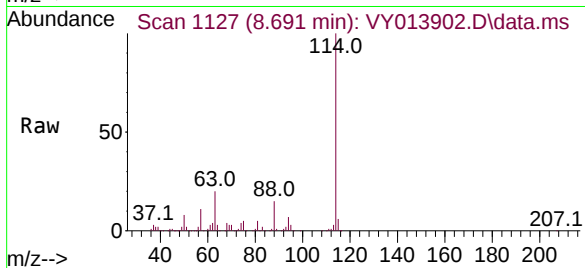
Tgt Ion:114 Resp: 270053

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.499 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013902.D

Acq: 26 May 2023 18:44

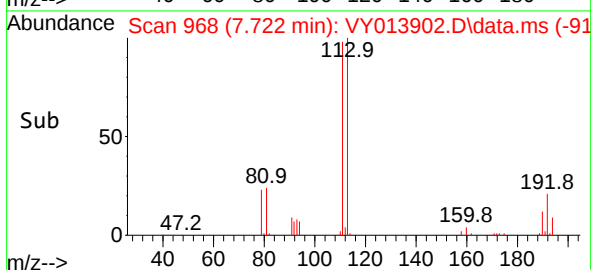
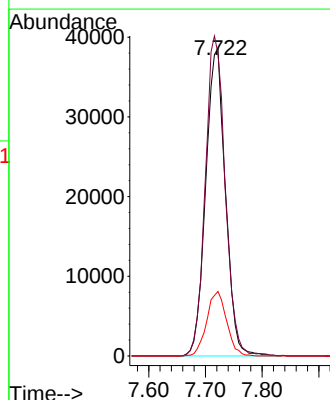
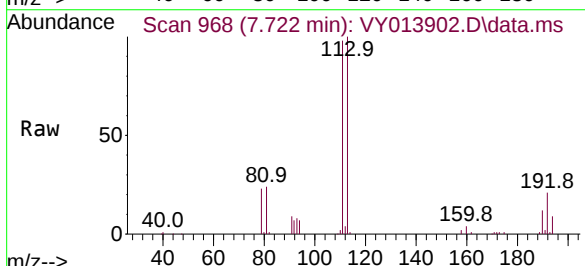
Tgt Ion:113 Resp: 93304

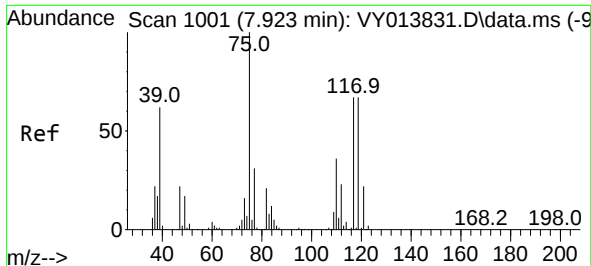
Ion Ratio Lower Upper

113 100

111 105.0 80.4 120.6

192 21.1 16.6 25.0

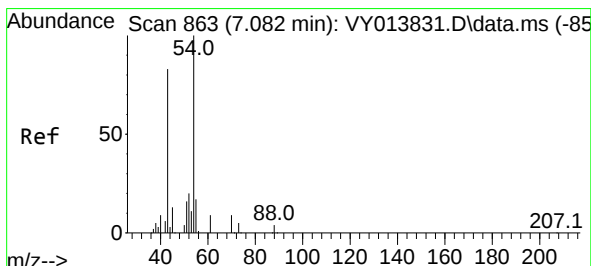
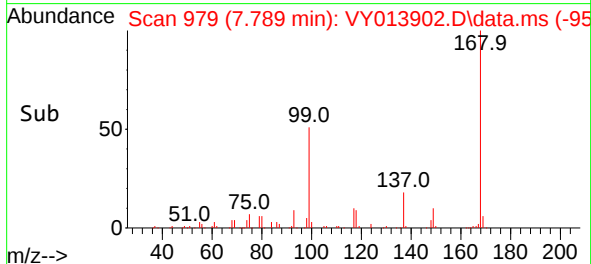
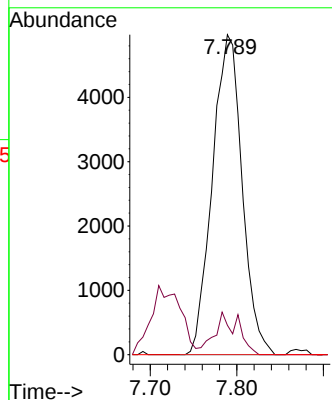
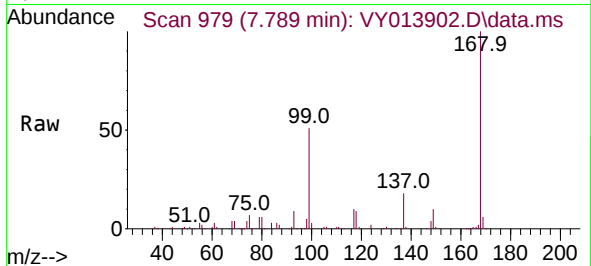




#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY013902.D
 Acq: 26 May 2023 18:44

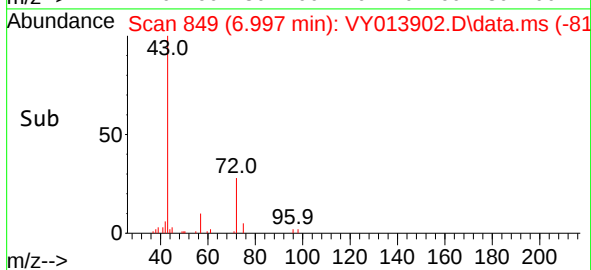
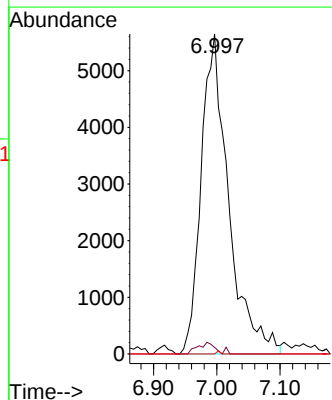
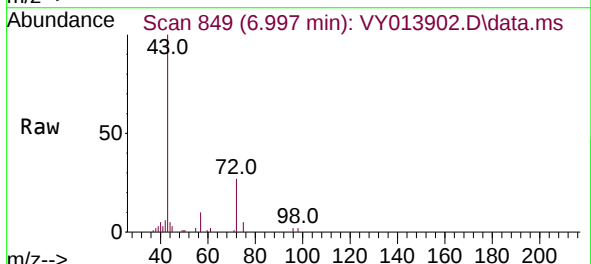
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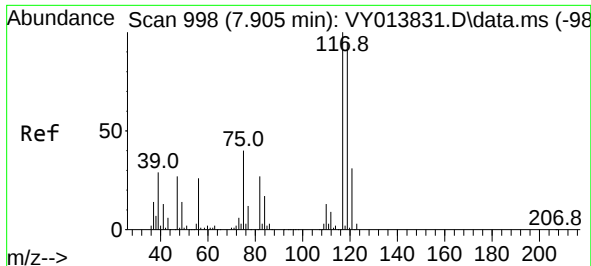
Tgt Ion: 75 Resp: 11855
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.5 52.6#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 10.501 ug/l
 RT: 6.997 min Scan# 849
 Delta R.T. -0.085 min
 Lab File: VY013902.D
 Acq: 26 May 2023 18:44

Tgt Ion: 43 Resp: 17016
 Ion Ratio Lower Upper
 43 100
 61 2.2 10.5 15.7#
 70 0.1 6.9 10.3#

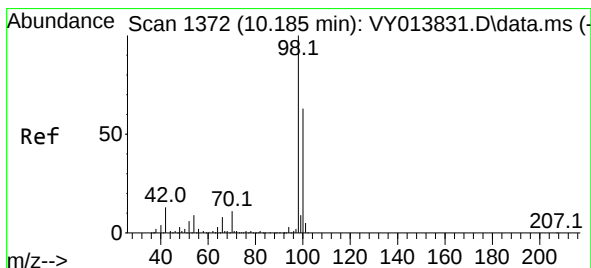
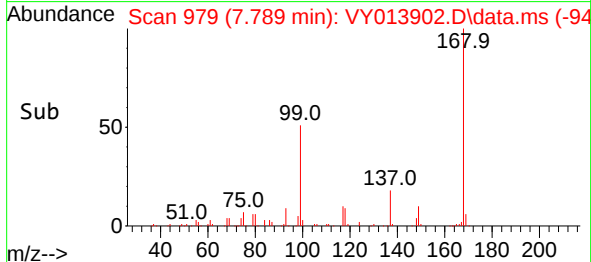
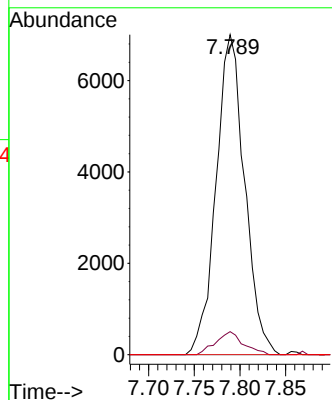
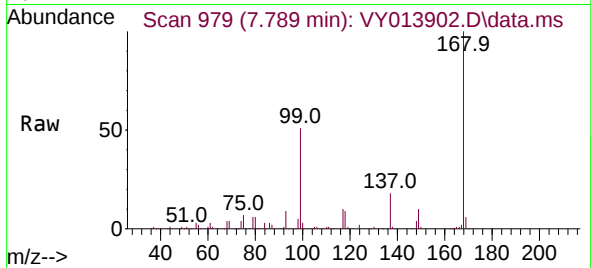




#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

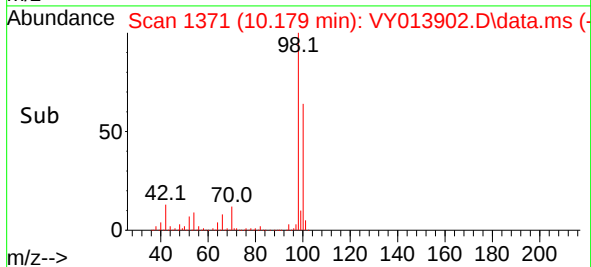
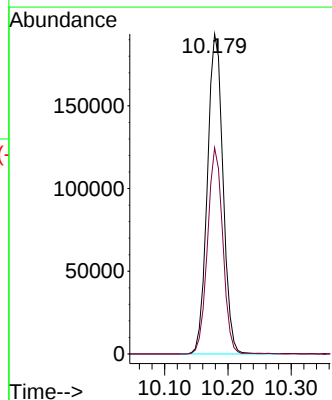
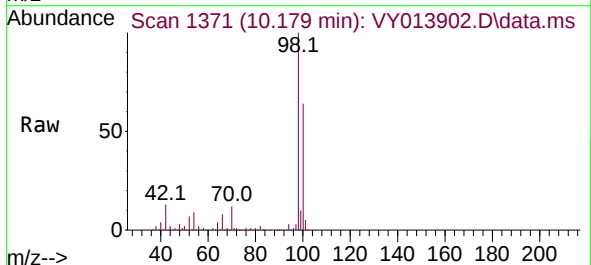
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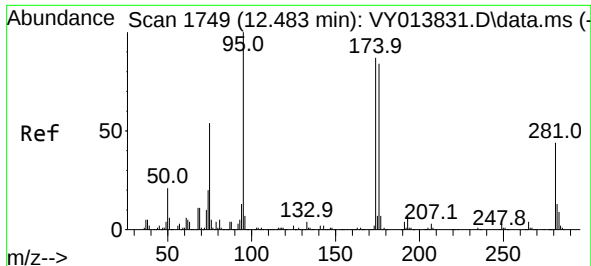
Tgt Ion:117 Resp: 15216
Ion Ratio Lower Upper
117 100
119 7.2 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.174 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 98 Resp: 332574
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 50.783 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013902.D

Acq: 26 May 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

DUP02

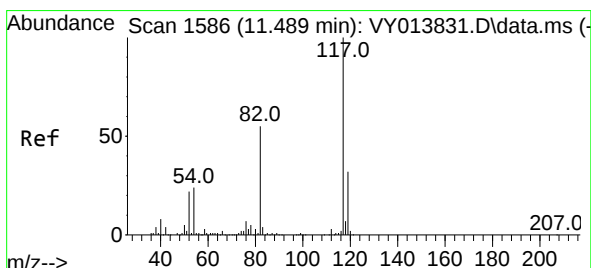
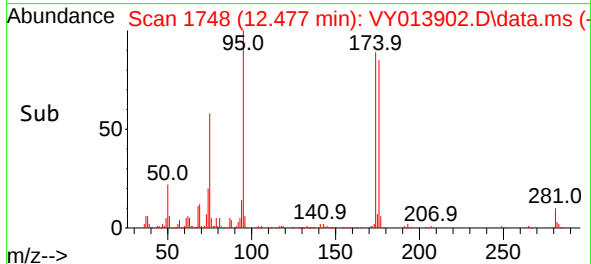
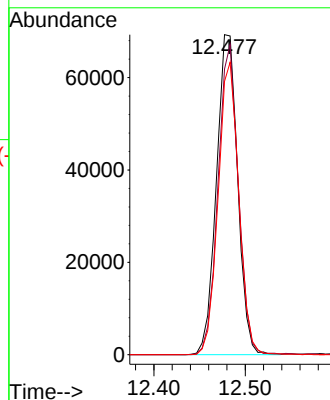
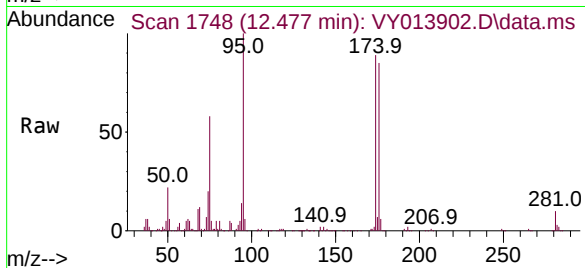
Tgt Ion: 95 Resp: 111891

Ion Ratio Lower Upper

95 100

174 92.8 0.0 176.0

176 89.0 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013902.D

Acq: 26 May 2023 18:44

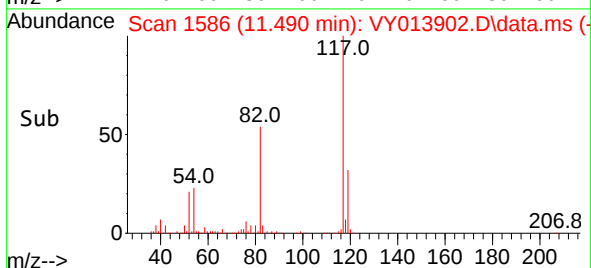
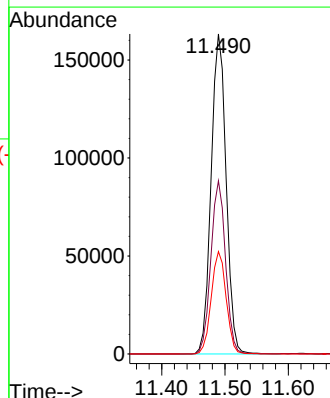
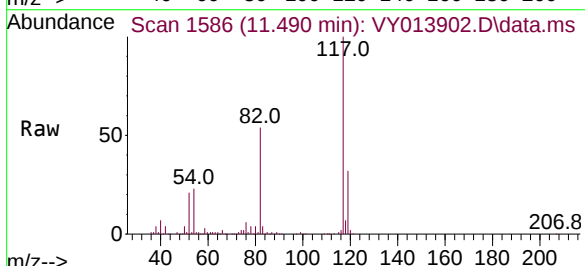
Tgt Ion: 117 Resp: 268587

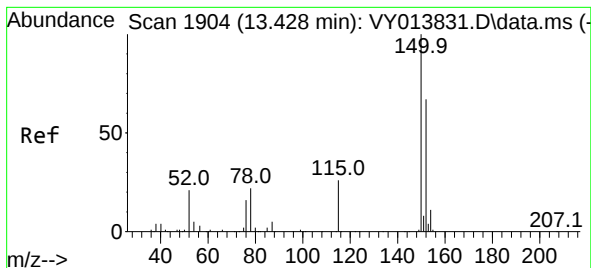
Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.4

119 32.0 25.7 38.5

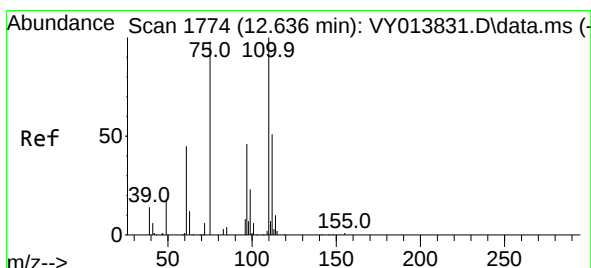
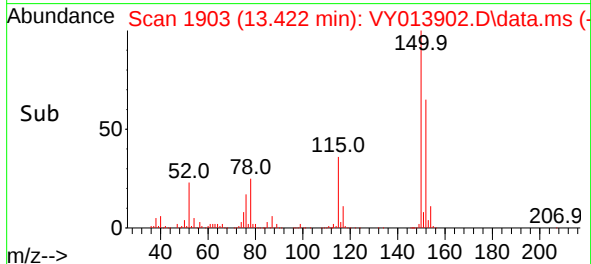
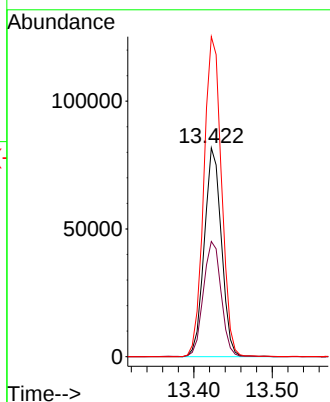
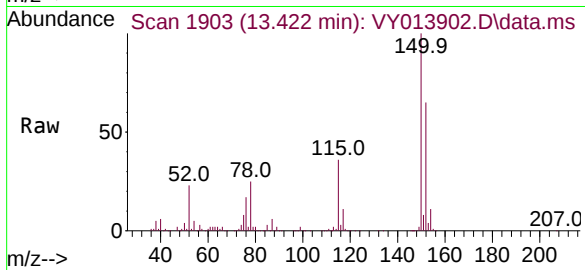




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

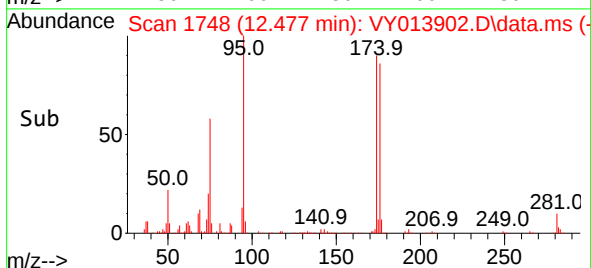
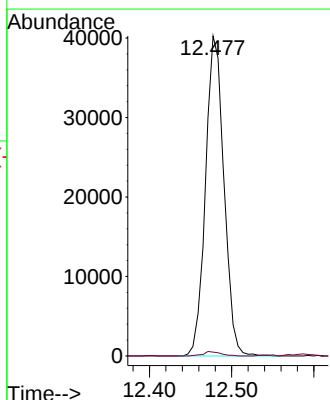
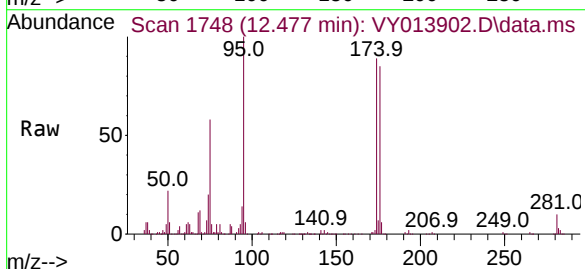
Instrument :
MSVOA_Y
ClientSampleId :
DUP02

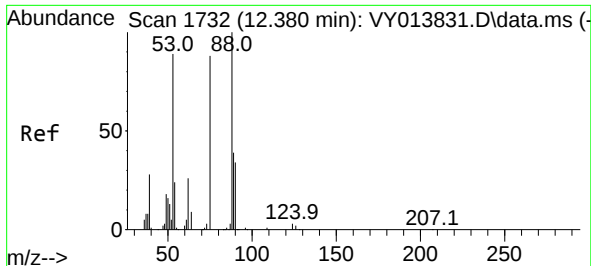
Tgt Ion:152 Resp: 123666
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.5
150 158.4 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 42.956 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 75 Resp: 62638
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

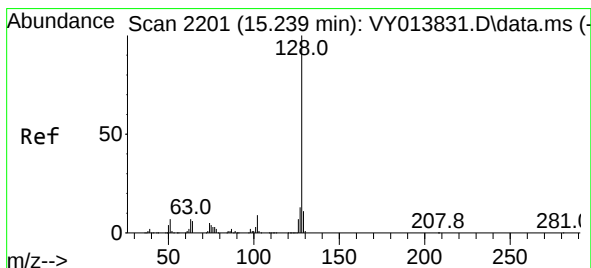
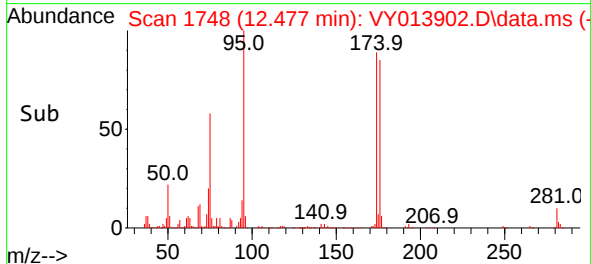
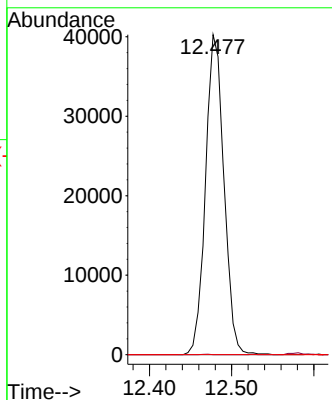
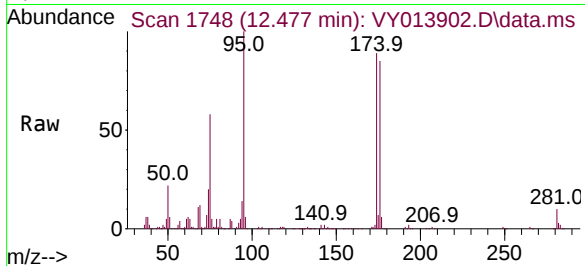




#81
trans-1,4-Dichloro-2-butene
Concen: 93.244 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion: 75 Resp: 62638
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 5.879 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 128 Resp: 7726
Ion Ratio Lower Upper
128 100
127 11.8 10.7 16.1
129 11.5 9.0 13.4

