

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014359.D
 Acq On : 22 Jun 2023 01:27
 Operator : KP/MD
 Sample : 03358-12
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-01

Quant Time: Jun 22 04:51:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

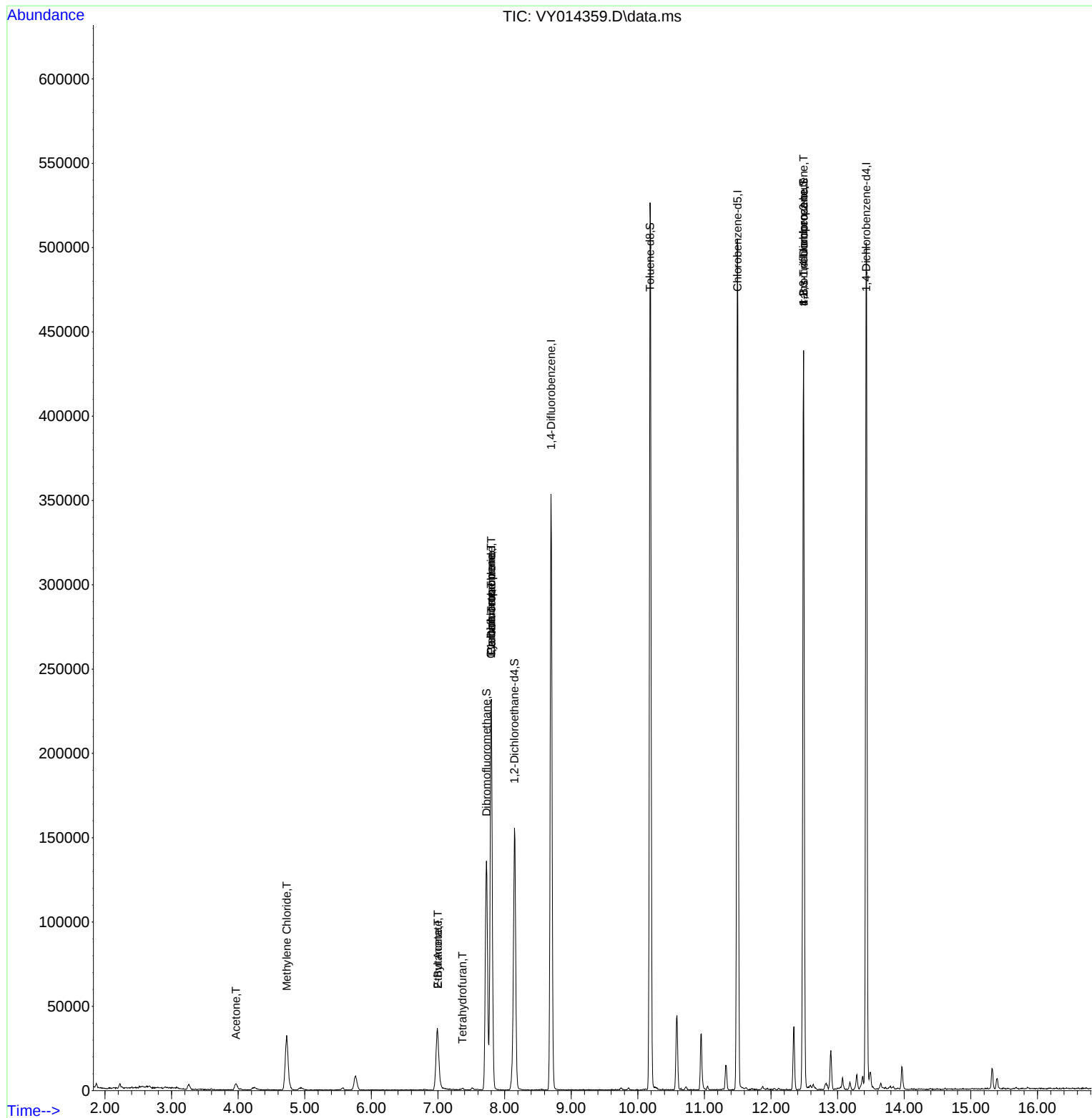
Internal Standards						
1) Pentafluorobenzene	7.801	168	181882	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	286849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	277440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	125116	49.400	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.800%
35) Dibromofluoromethane	7.728	113	93320	45.874	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.740%
50) Toluene-d8	10.185	98	346484	45.558	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.120%
62) 4-Bromofluorobenzene	12.489	95	116845	43.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1012	Below Cal	#	89
16) Acetone	3.966	43	7124	9.331	ug/l	97
20) Methylene Chloride	4.728	84	22916	6.266	ug/l	96
25) 2-Butanone	6.996	43	3306	3.518	ug/l	99
29) Tetrahydrofuran	7.368	42	668	1.121	ug/l #	73
31) Cyclohexane	7.795	56	3933	1.159	ug/l #	17
36) 1,1-Dichloropropene	7.795	75	13213	4.166	ug/l #	51
37) Ethyl Acetate	6.996	43	3306	1.511	ug/l #	26
38) Carbon Tetrachloride	7.801	117	18125	4.952	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	65517	37.363	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	65517	80.763	ug/l #	11

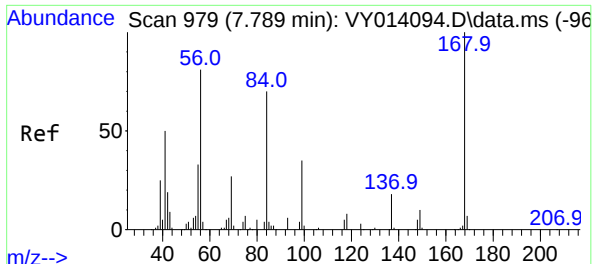
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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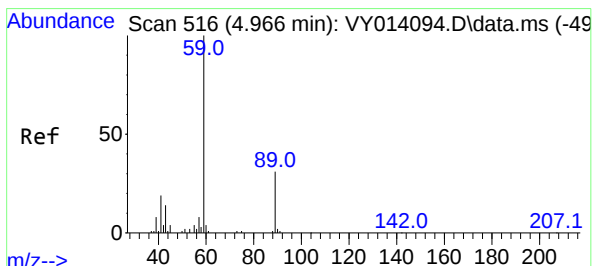
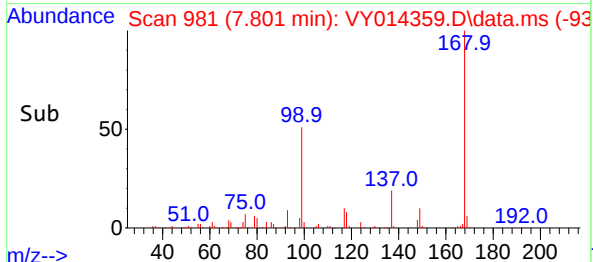
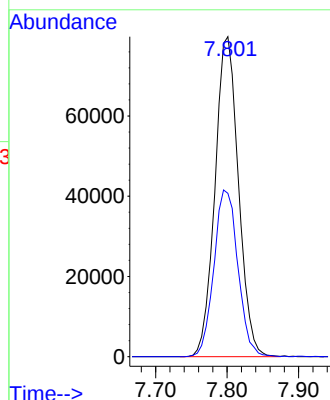
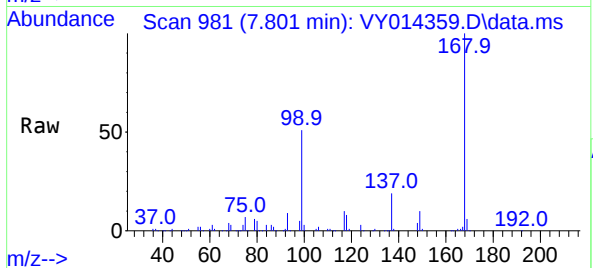




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

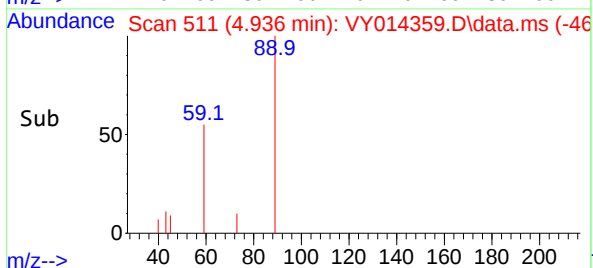
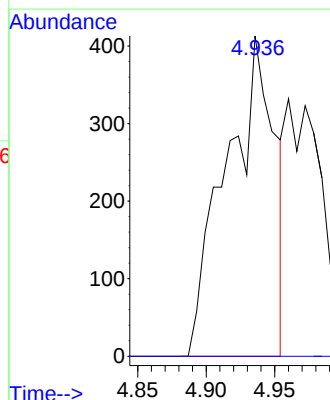
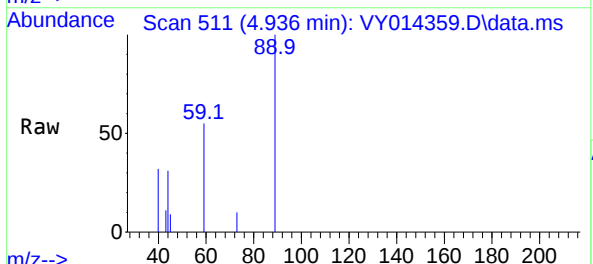
Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

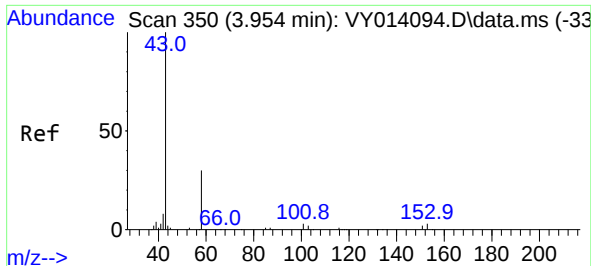
Tgt Ion:168 Resp: 181882
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

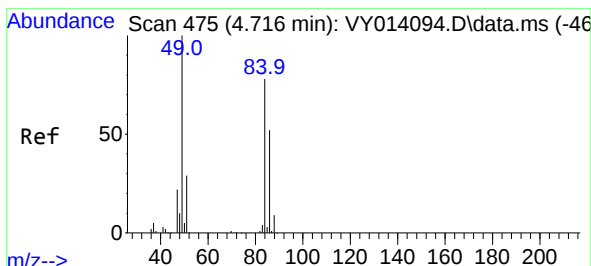
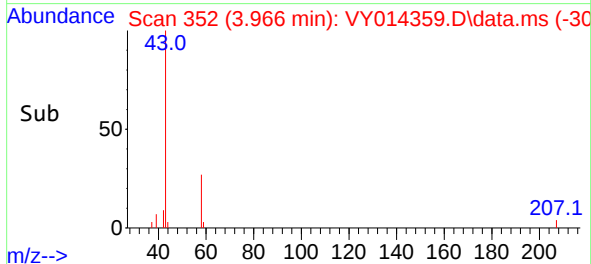
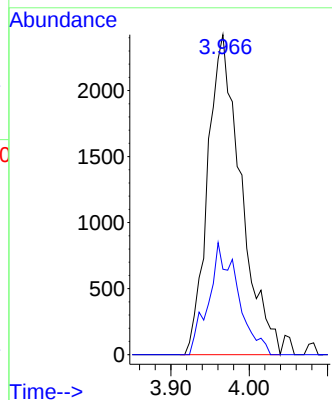
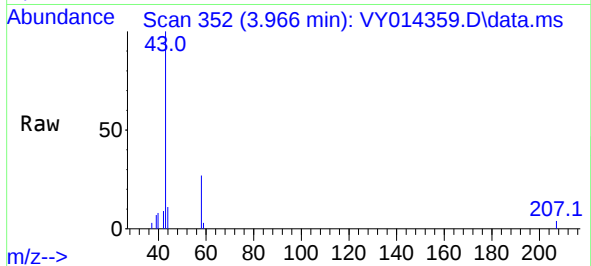




#16
Acetone
Concen: 9.331 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

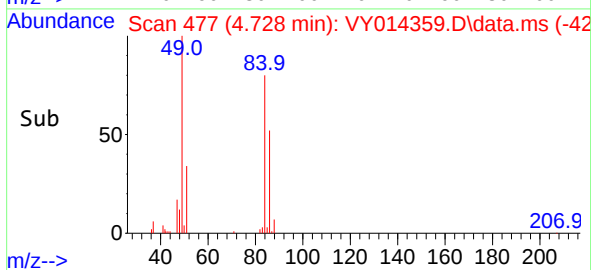
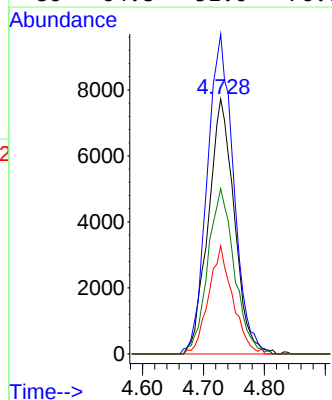
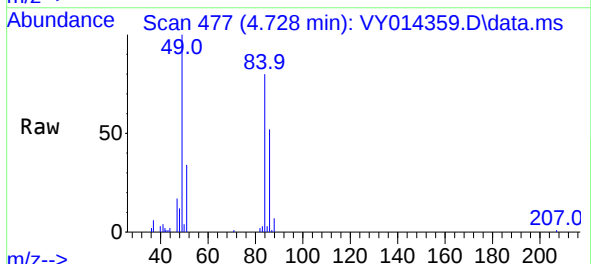
Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

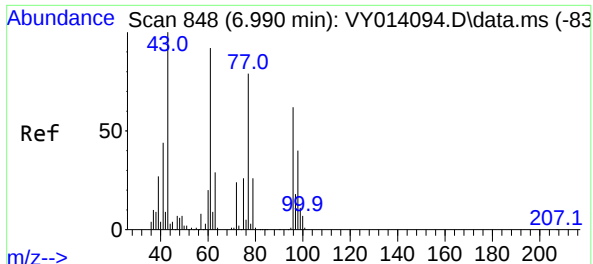
Tgt Ion: 43 Resp: 7124
Ion Ratio Lower Upper
43 100
58 26.7 22.7 34.1



#20
Methylene Chloride
Concen: 6.266 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 84 Resp: 22916
Ion Ratio Lower Upper
84 100
49 125.5 106.9 160.3
51 42.4 33.2 49.8
86 64.8 51.0 76.6

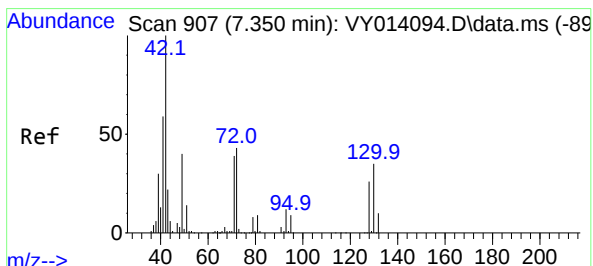
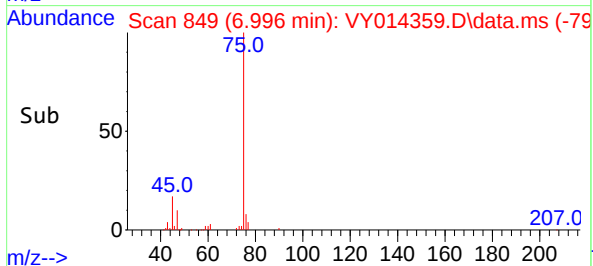
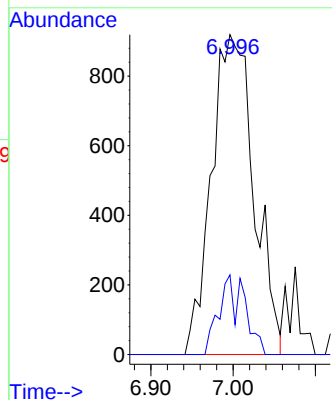
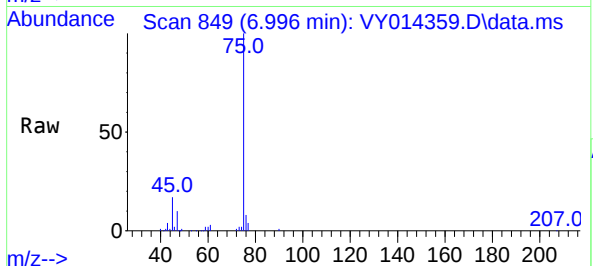




#25
2-Butanone
Concen: 3.518 ug/l
RT: 6.996 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

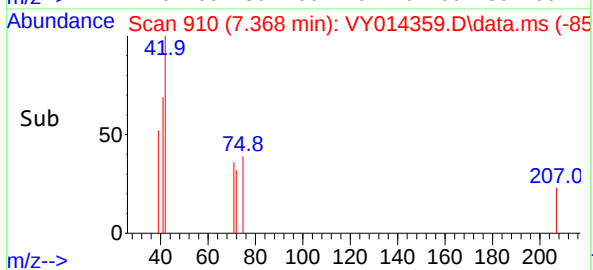
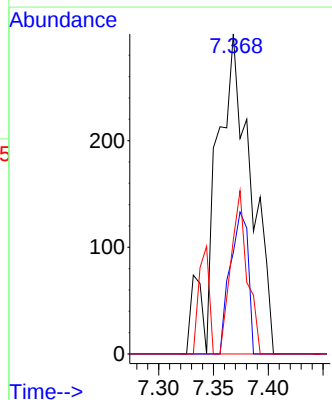
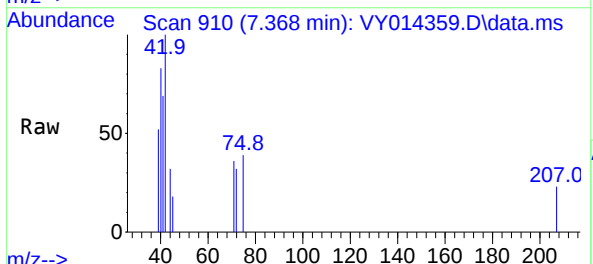
Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

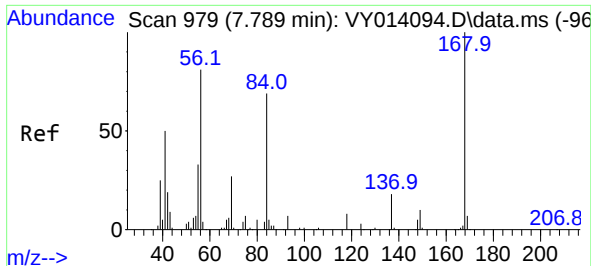
Tgt Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
72 24.9 20.5 30.7



#29
Tetrahydrofuran
Concen: 1.121 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

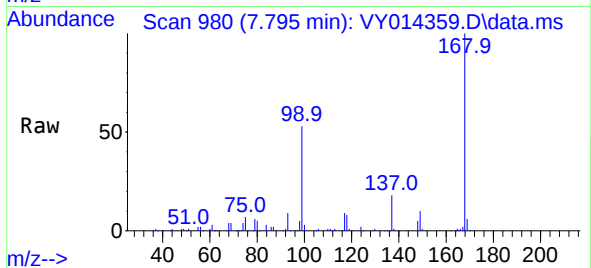
Tgt Ion: 42 Resp: 668
Ion Ratio Lower Upper
42 100
72 22.8 32.8 49.2#
71 23.8 31.0 46.4#



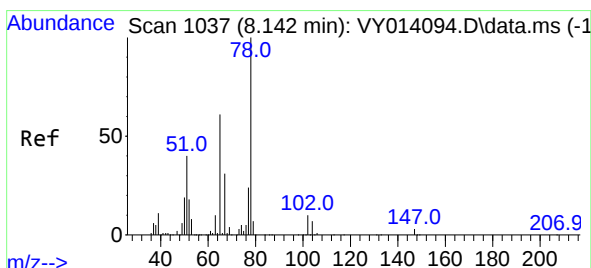
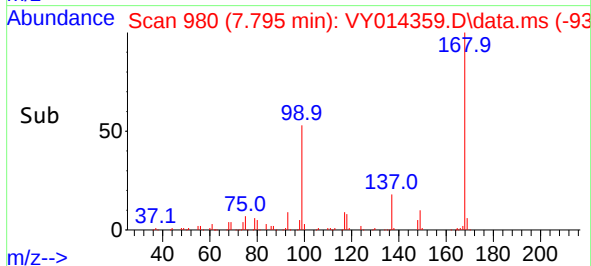
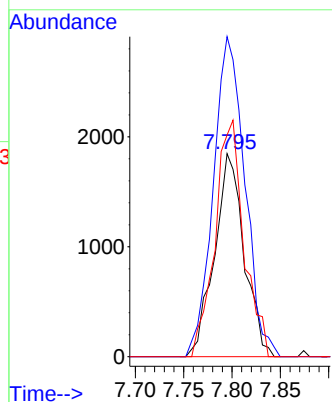


#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

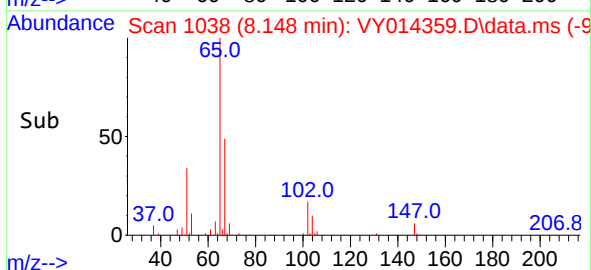
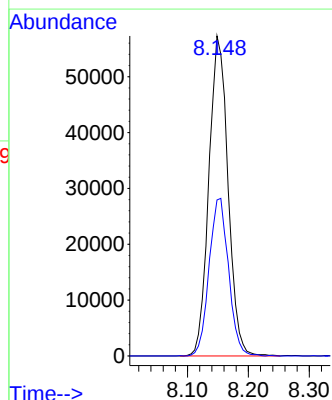
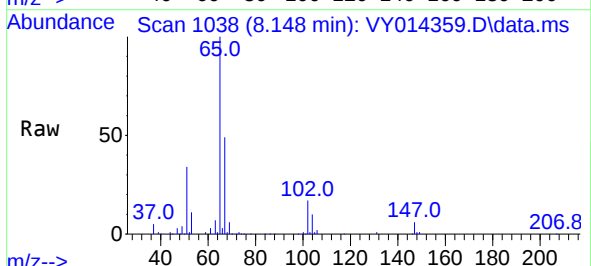


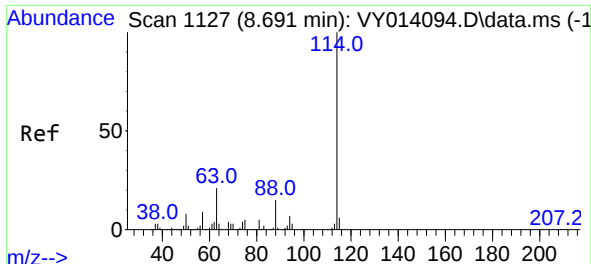
Tgt Ion: 56 Resp: 3933
Ion Ratio Lower Upper
56 100
69 157.6 27.8 41.6#
84 109.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.400 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 65 Resp: 125116
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014359.D

Acq: 22 Jun 2023 01:27

Instrument :

MSVOA_Y

ClientSampleId :

DUP-01

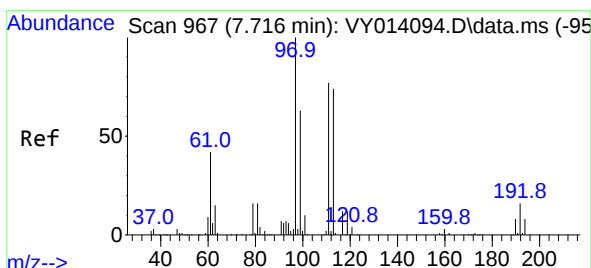
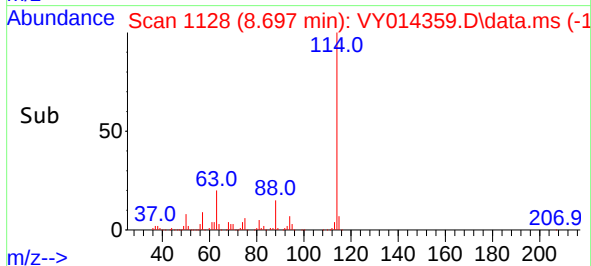
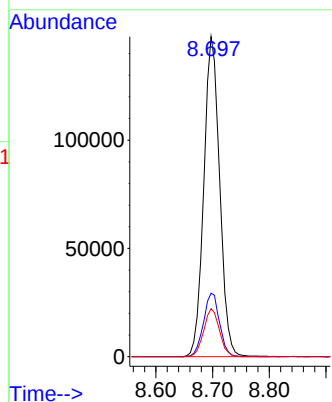
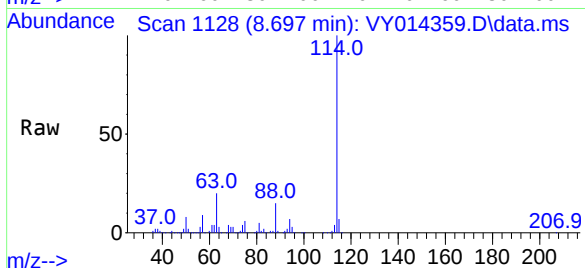
Tgt Ion:114 Resp: 286849

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.874 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014359.D

Acq: 22 Jun 2023 01:27

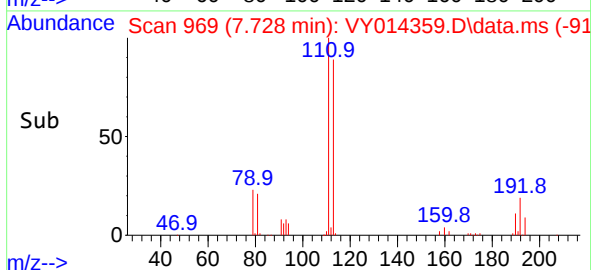
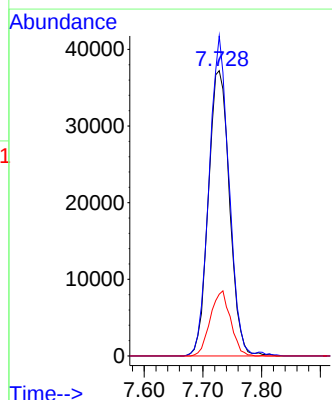
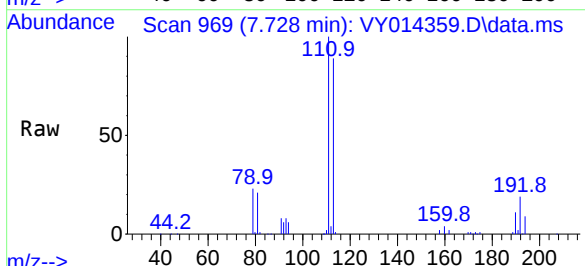
Tgt Ion:113 Resp: 93320

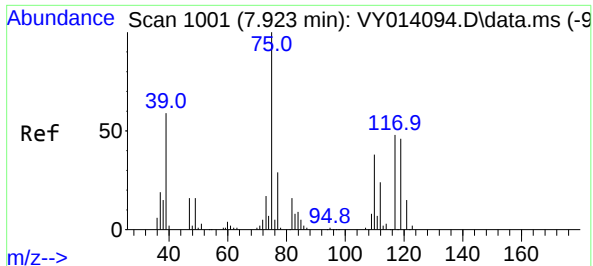
Ion Ratio Lower Upper

113 100

111 104.6 81.3 121.9

192 21.8 16.9 25.3

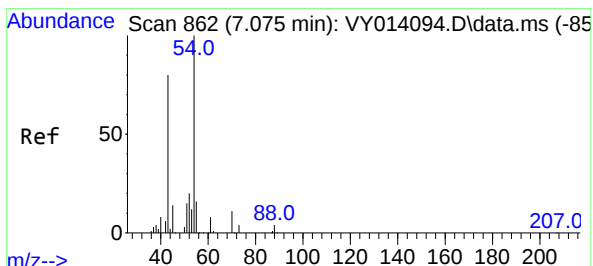
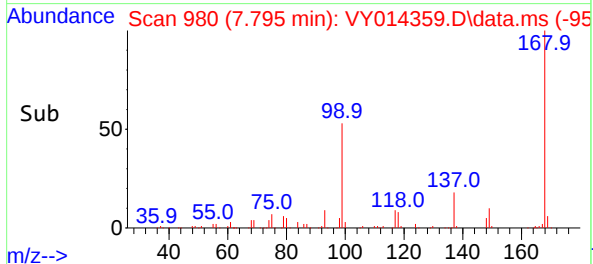
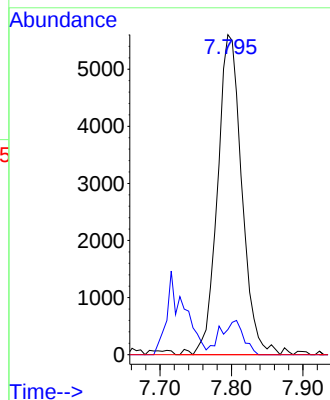
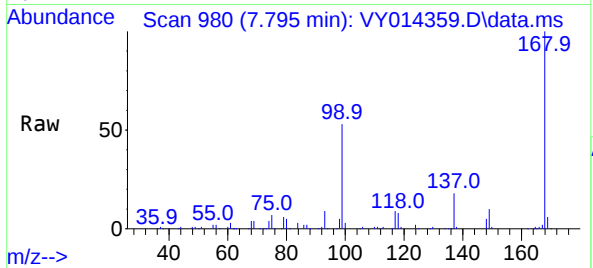




#36
1,1-Dichloropropene
Concen: 4.166 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

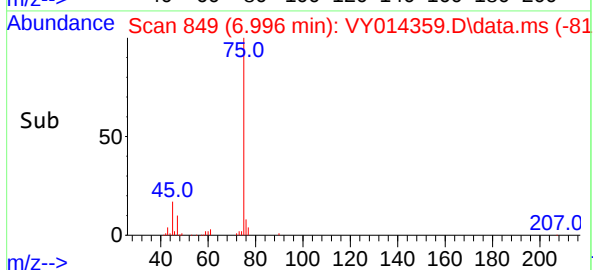
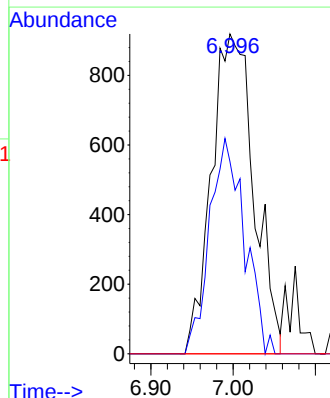
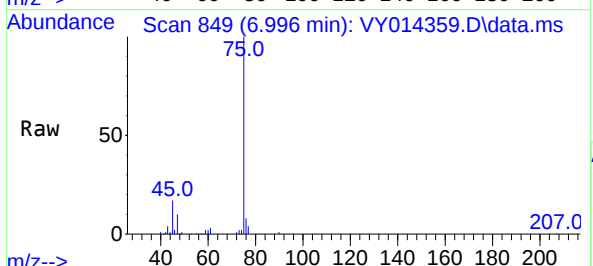
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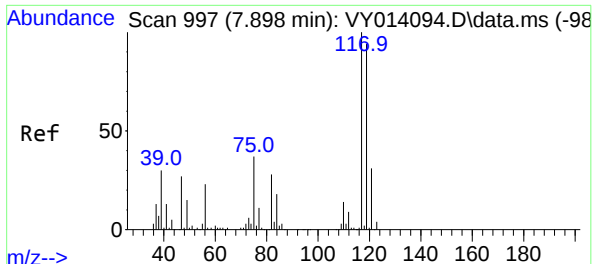
Tgt Ion: 75 Resp: 13213
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.511 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.079 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
61 55.4 10.1 15.1#
70 0.0 7.1 10.7#

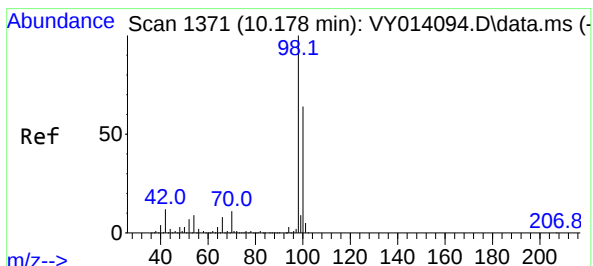
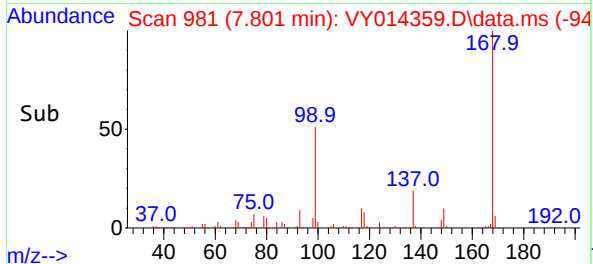
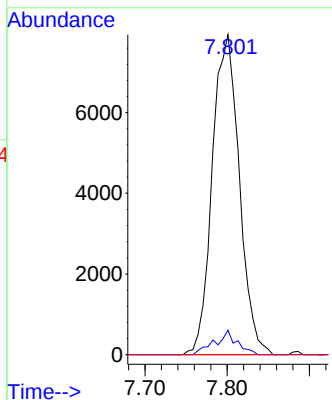
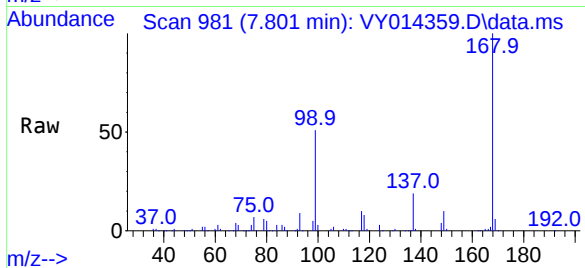




#38
Carbon Tetrachloride
Concen: 4.952 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

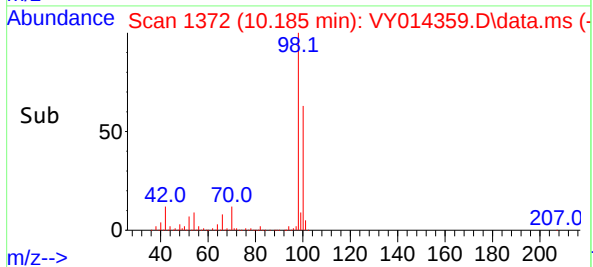
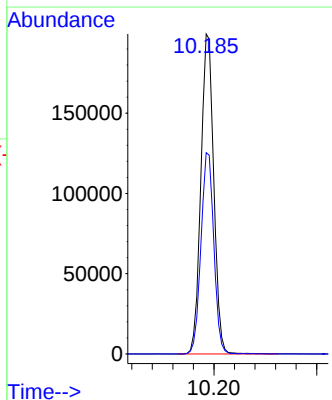
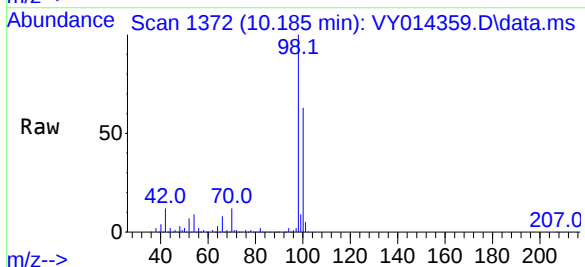
Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

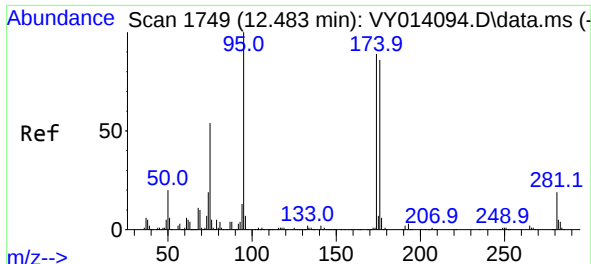
Tgt Ion:117 Resp: 18125
Ion Ratio Lower Upper
117 100
119 7.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.558 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 98 Resp: 346484
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1

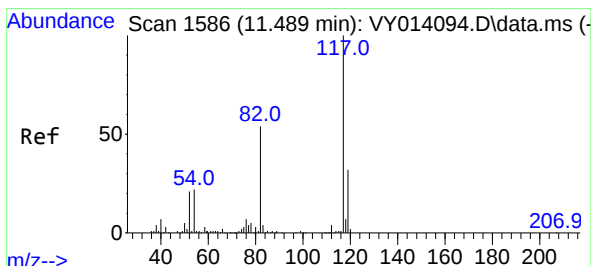
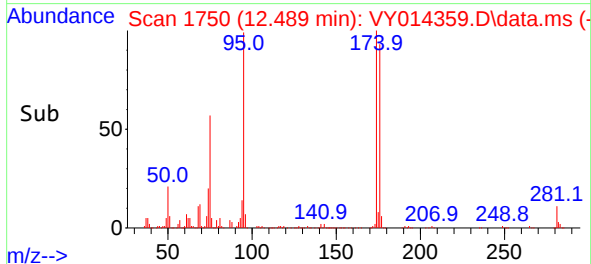
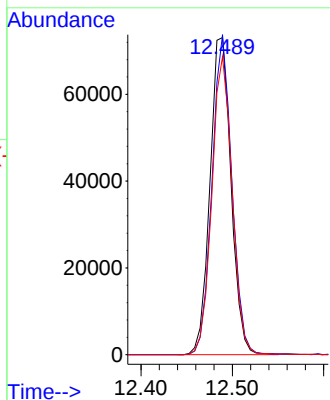
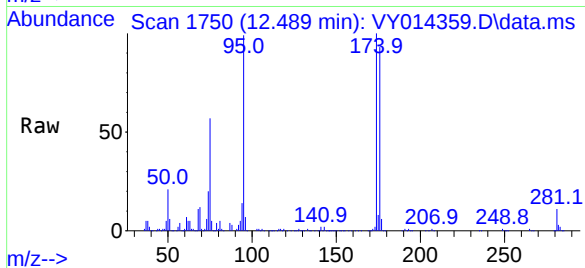




#62
4-Bromofluorobenzene
Concen: 43.250 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

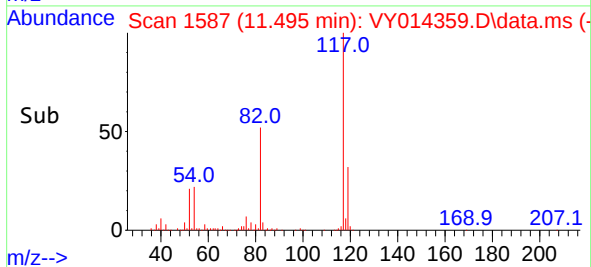
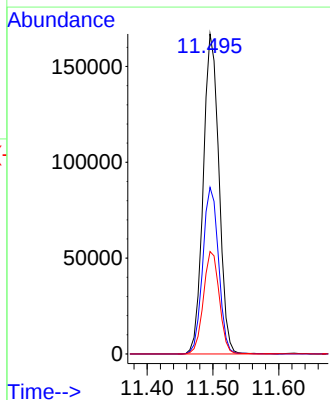
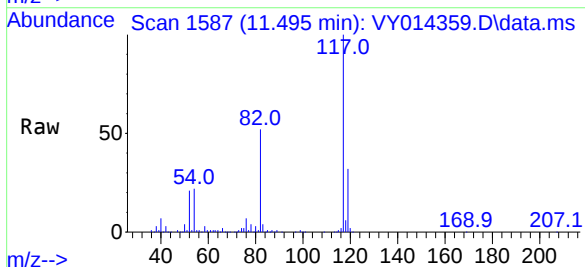
Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

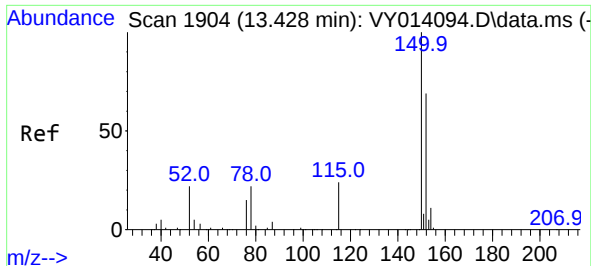
Tgt Ion: 95 Resp: 116845
Ion Ratio Lower Upper
95 100
174 95.3 0.0 178.2
176 90.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 117 Resp: 277440
Ion Ratio Lower Upper
117 100
82 52.0 43.4 65.0
119 32.0 26.3 39.5

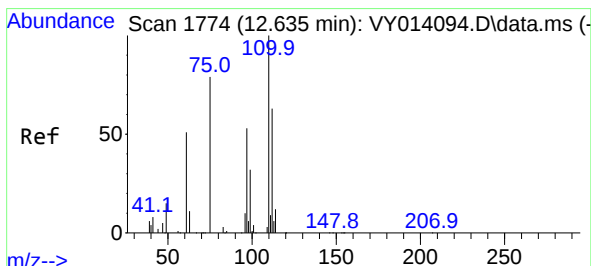
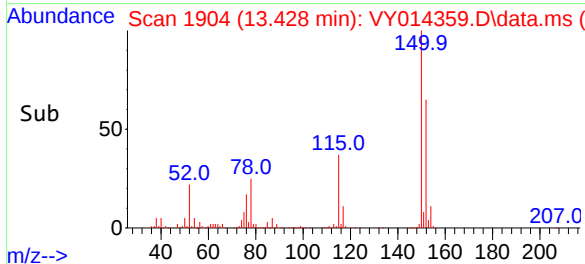
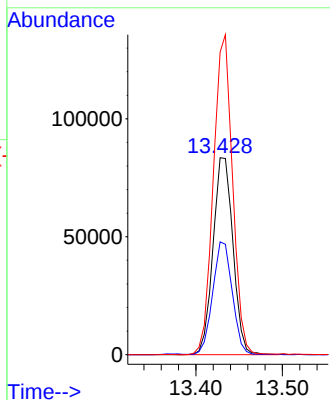
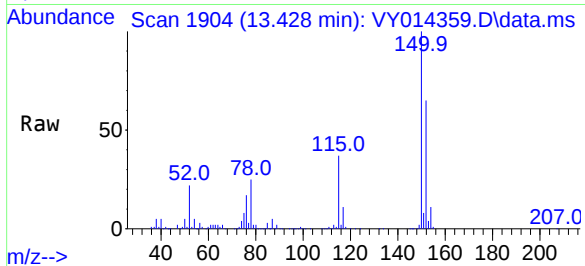




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

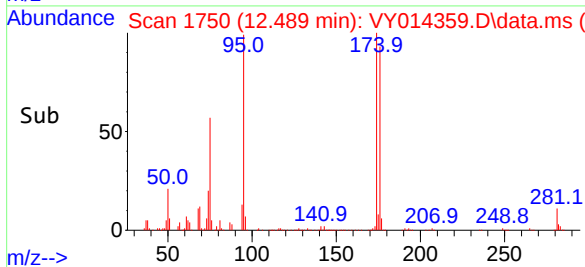
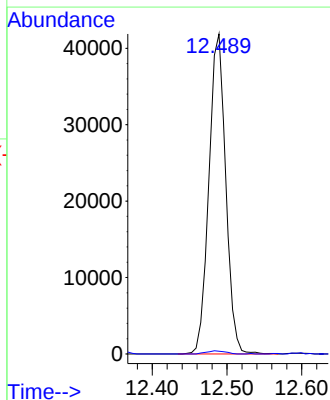
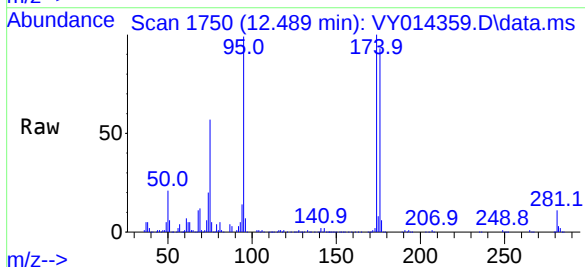
Instrument :
MSVOA_Y
ClientSampleId :
DUP-01

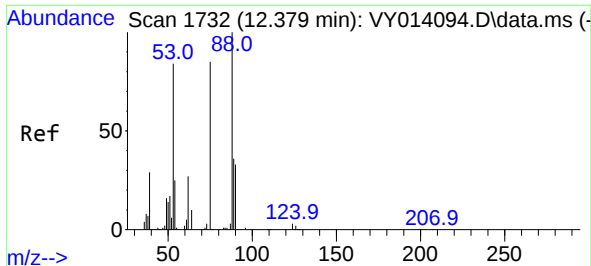
Tgt Ion:152 Resp: 133657
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.5
150 156.5 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 37.363 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014359.D
Acq: 22 Jun 2023 01:27

Tgt Ion: 75 Resp: 65517
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.763 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014359.D
 Acq: 22 Jun 2023 01:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-01

Tgt Ion: 75 Resp: 65517
 Ion Ratio Lower Upper
 75 100
 53 0.5 77.8 116.8#
 89 0.0 37.4 56.0#

