

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014960.D
 Acq On : 03 Aug 2023 19:46
 Operator : SY/MD
 Sample : 03898-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-080323

Quant Time: Aug 04 04:34:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

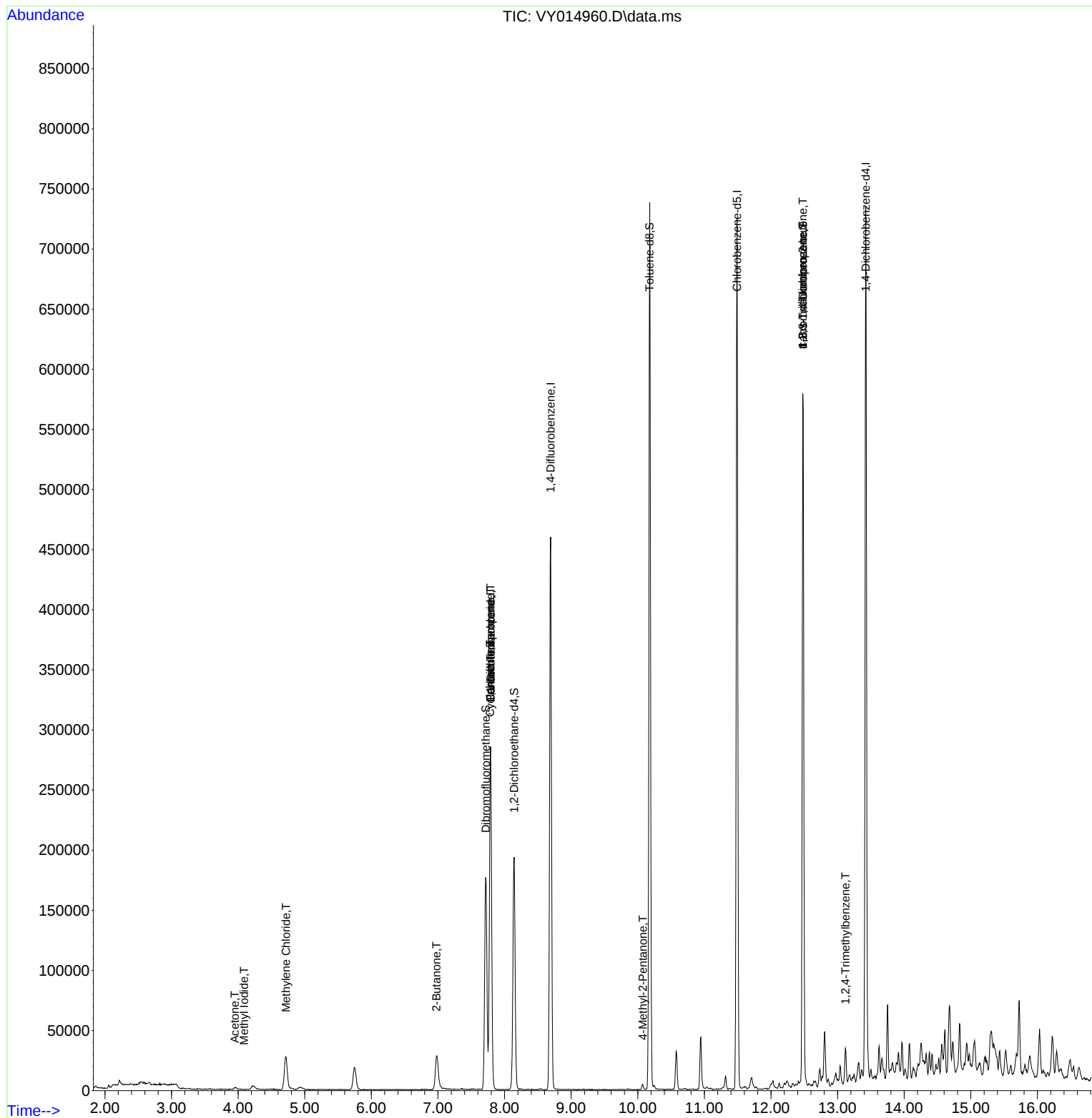
Internal Standards						
1) Pentafluorobenzene	7.789	168	219992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	396497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	384636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	182257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	151120	60.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.560%	
35) Dibromofluoromethane	7.716	113	127929	50.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.360%	
50) Toluene-d8	10.179	98	469555	50.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.920%	
62) 4-Bromofluorobenzene	12.477	95	178647	50.068	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.140%	
Target Compounds						Qvalue
10) Methyl Iodide	4.089	142	186	2.442	ug/l #	66
11) Tert butyl alcohol	4.936	59	1828	Below Cal	#	93
16) Acetone	3.948	43	3741	4.709	ug/l	99
20) Methylene Chloride	4.716	84	21547	4.507	ug/l	91
25) 2-Butanone	6.978	43	1515	1.304	ug/l #	78
31) Cyclohexane	7.783	56	4590	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17375	4.603	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23027	5.771	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	3108	1.196	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	94817	41.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	94817	79.754	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	16445	1.406	ug/l	100

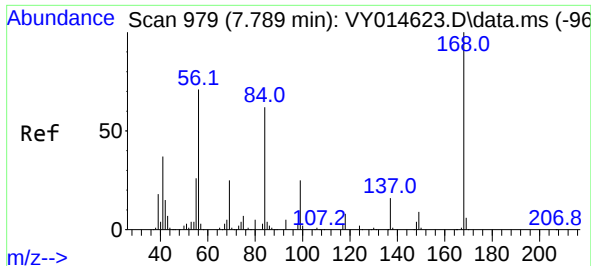
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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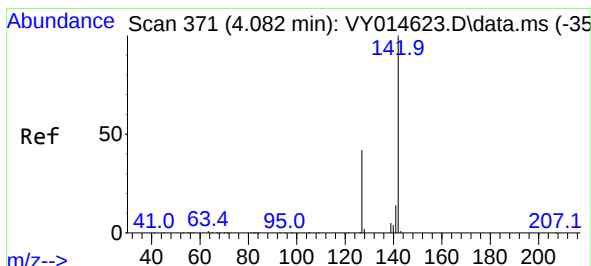
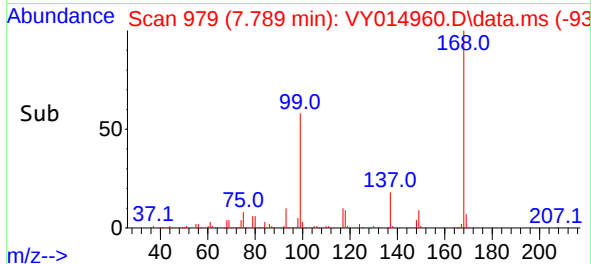
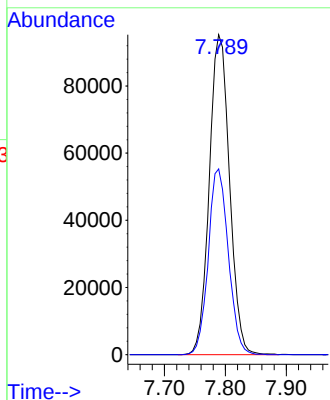
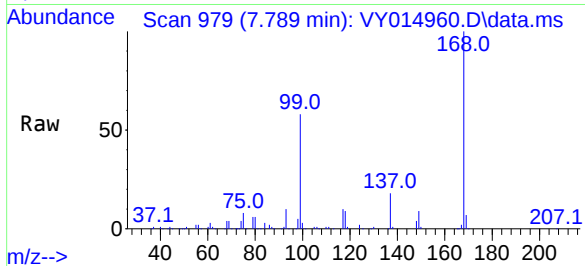




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

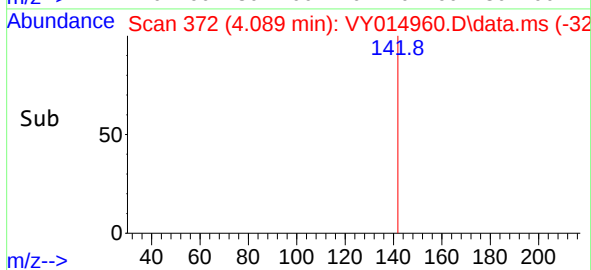
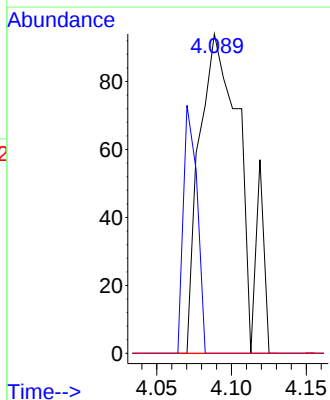
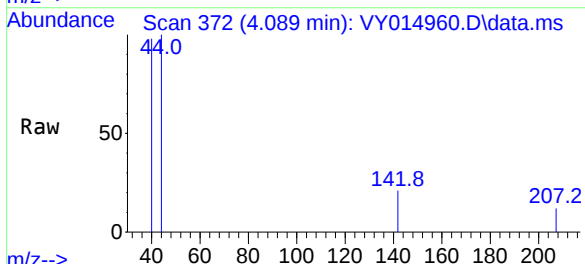
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-080323

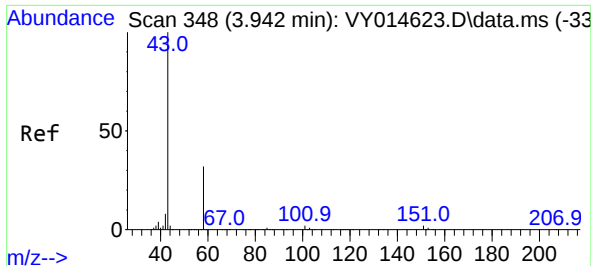
Tgt Ion:168 Resp: 219992
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.442 ug/l
RT: 4.089 min Scan# 372
Delta R.T. 0.007 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

Tgt Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
127 24.7 37.6 56.4#
141 0.0 11.8 17.8#

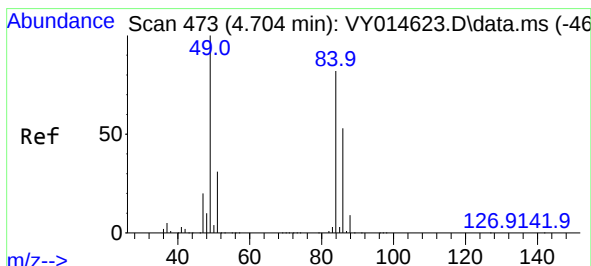
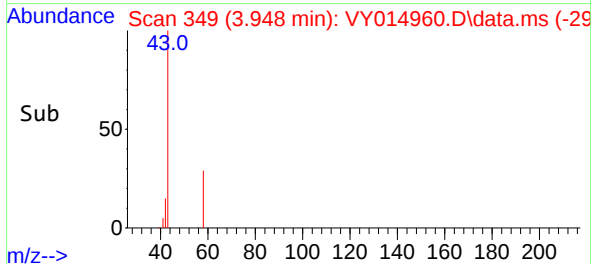
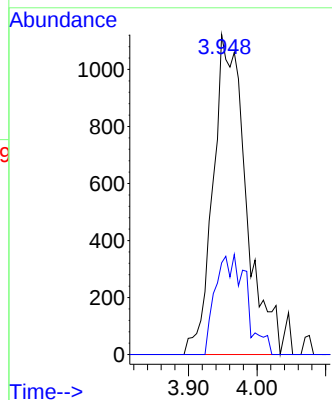
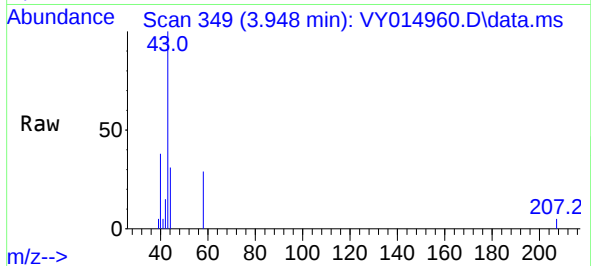




#16
Acetone
Concen: 4.709 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

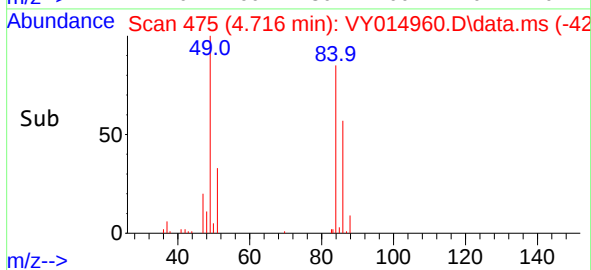
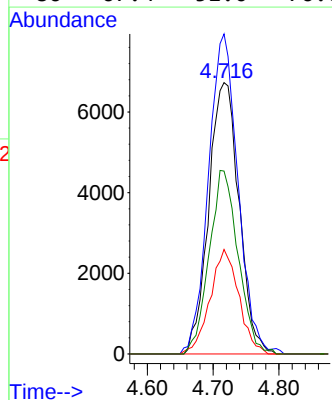
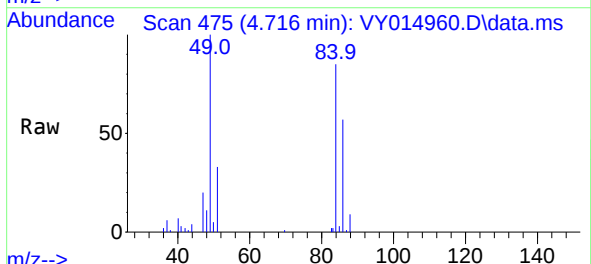
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-080323

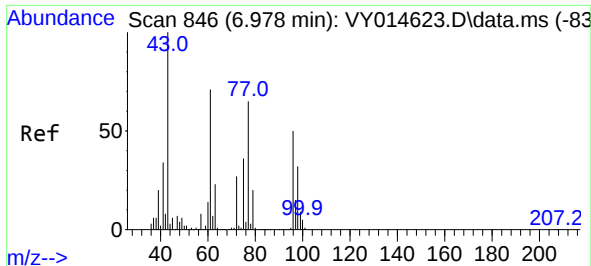
Tgt Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1



#20
Methylene Chloride
Concen: 4.507 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

Tgt Ion: 84 Resp: 21547
Ion Ratio Lower Upper
84 100
49 117.9 106.9 160.3
51 38.5 33.2 49.8
86 67.4 51.0 76.6

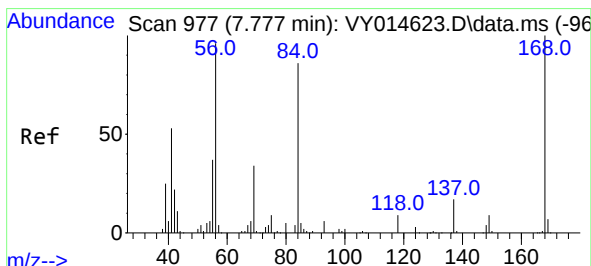
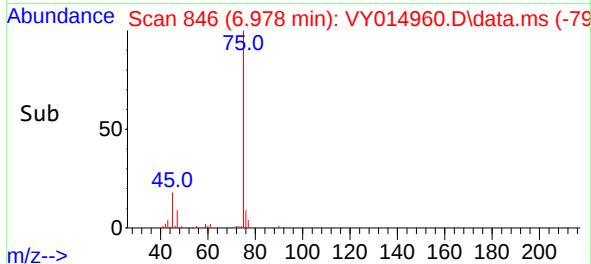
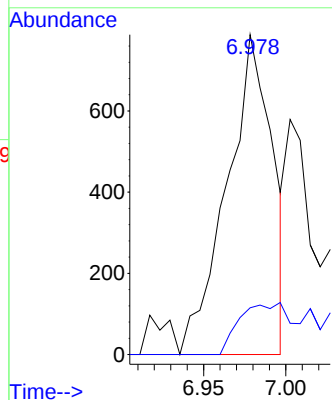
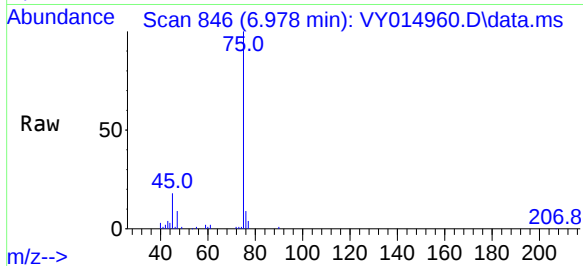




#25
2-Butanone
Concen: 1.304 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

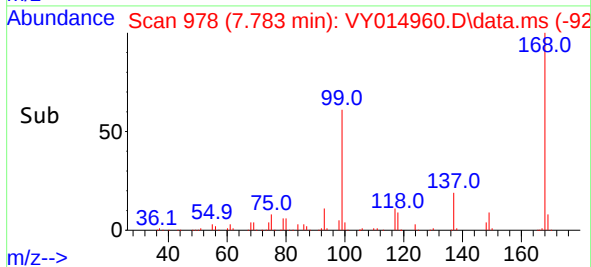
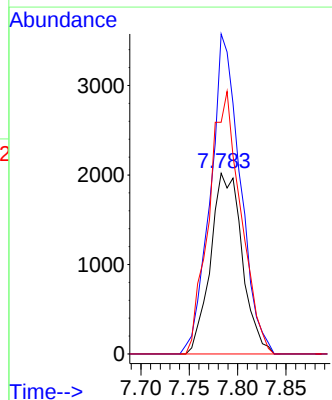
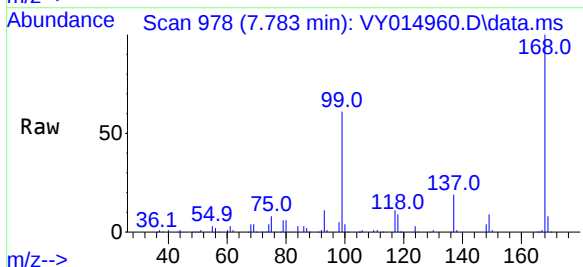
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-080323

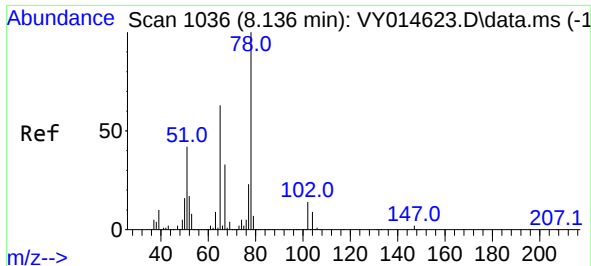
Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
72 14.6 20.5 30.7#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

Tgt Ion: 56 Resp: 4590
Ion Ratio Lower Upper
56 100
69 177.1 27.8 41.6#
84 128.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 60.282 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY014960.D

Acq: 03 Aug 2023 19:46

Instrument :

MSVOA_Y

ClientSampleId :

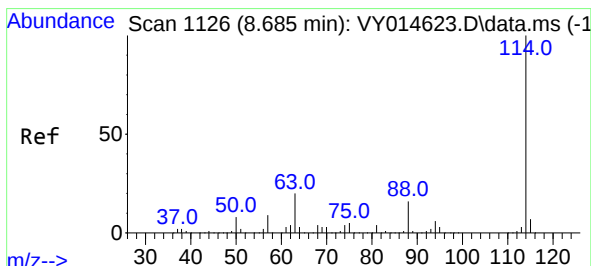
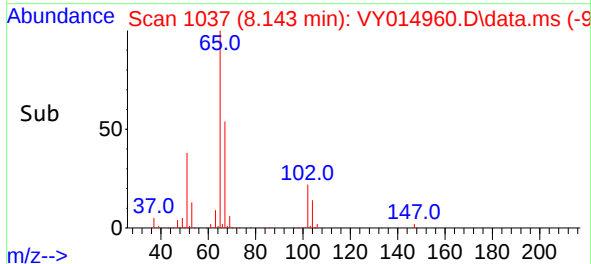
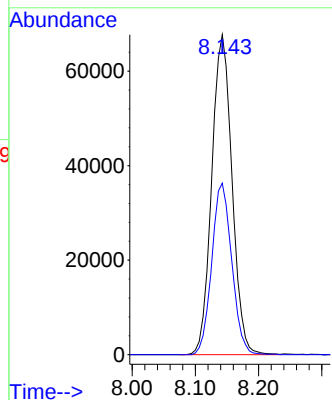
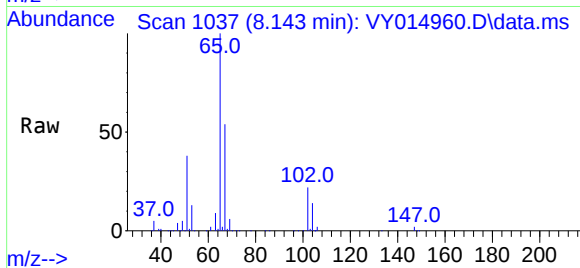
TR-4-080323

Tgt Ion: 65 Resp: 151120

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014960.D

Acq: 03 Aug 2023 19:46

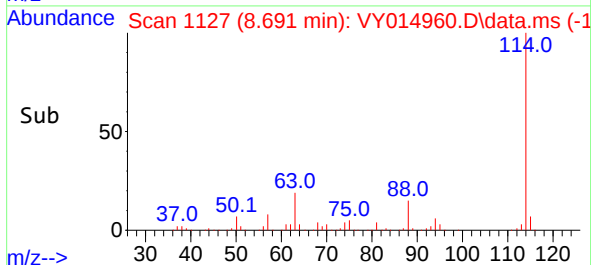
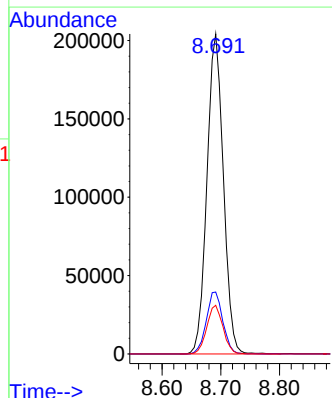
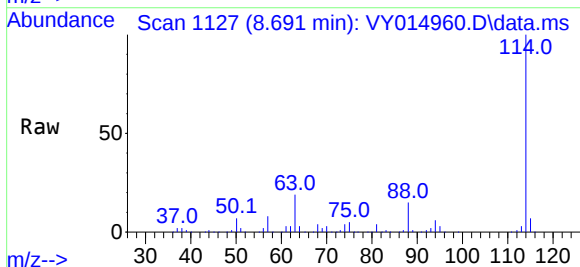
Tgt Ion: 114 Resp: 396497

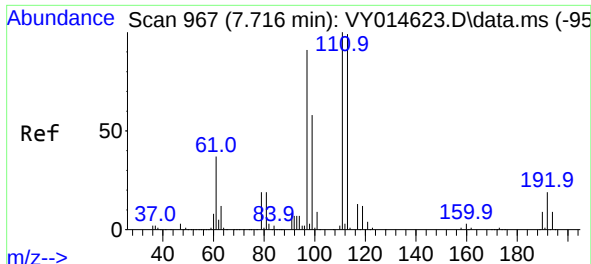
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.2 0.0 30.6

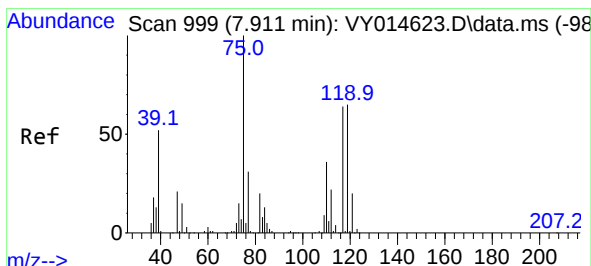
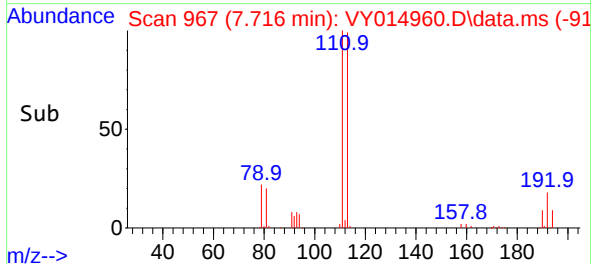
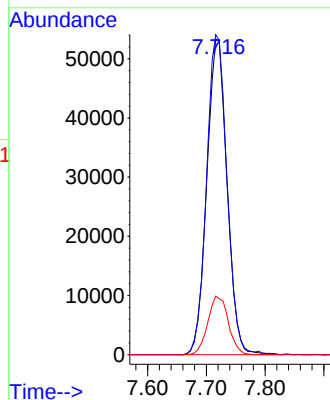
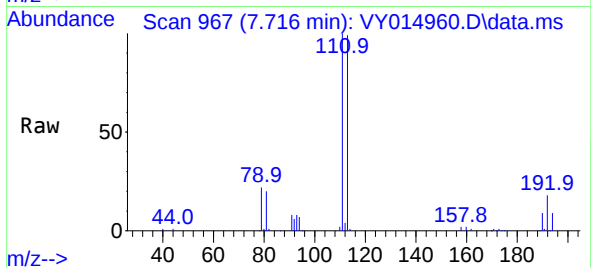




#35
Dibromofluoromethane
Concen: 50.685 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

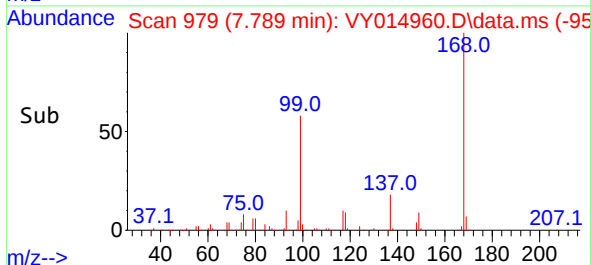
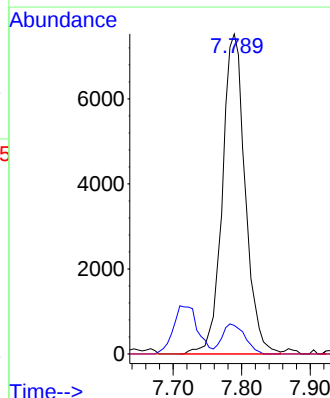
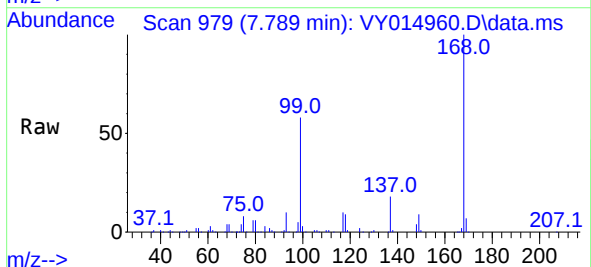
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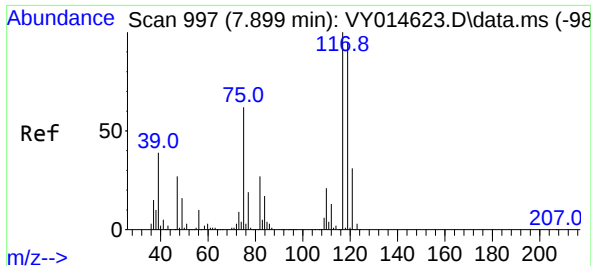
Tgt Ion:113 Resp: 127929
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

Tgt Ion: 75 Resp: 17375
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#

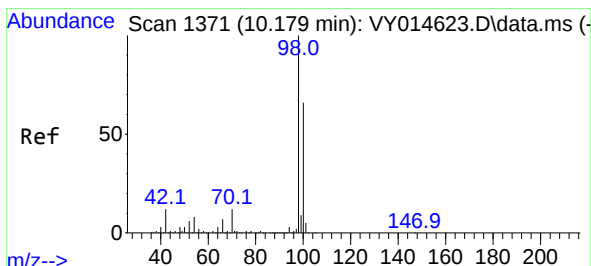
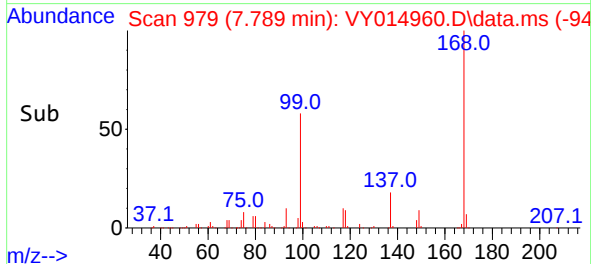
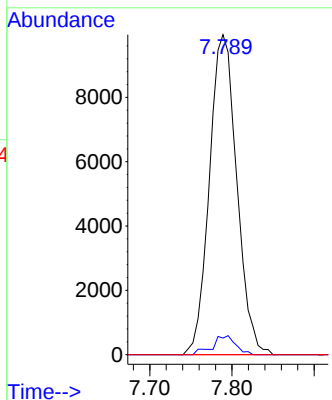
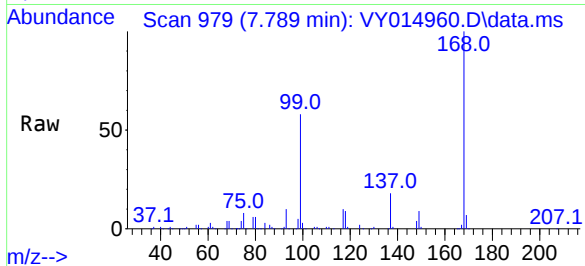




#38
Carbon Tetrachloride
Concen: 5.771 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

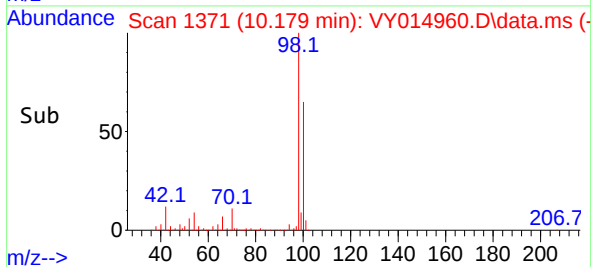
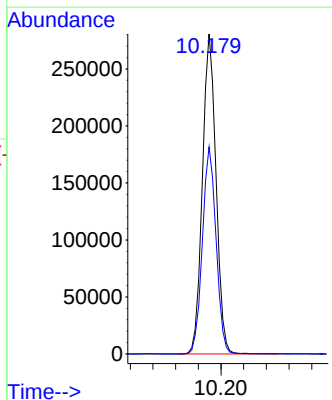
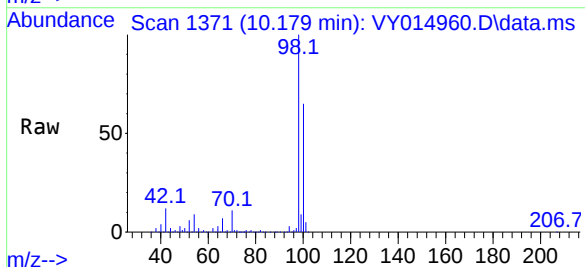
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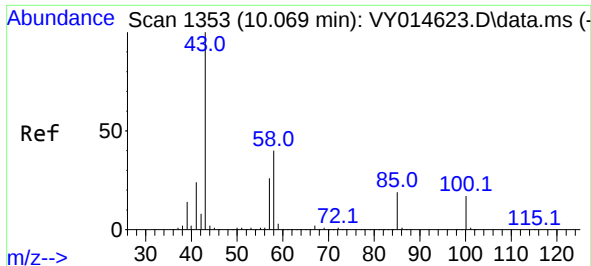
Tgt Ion:117 Resp: 23027
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.460 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

Tgt Ion: 98 Resp: 469555
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

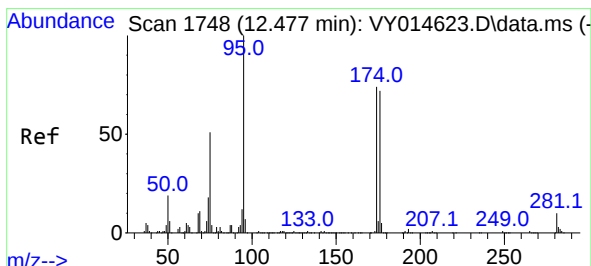
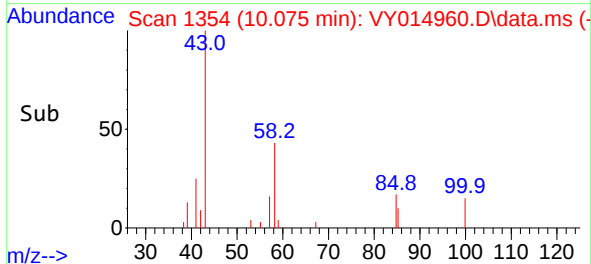
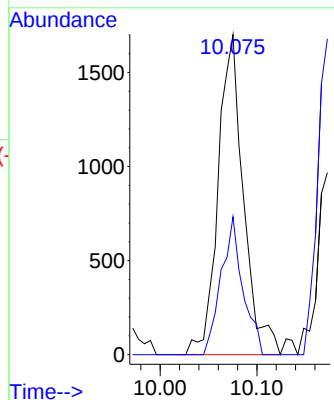
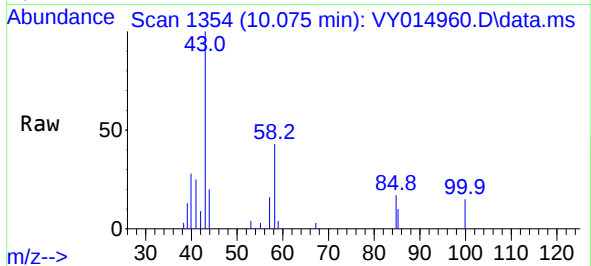




#51
4-Methyl-2-Pentanone
Concen: 1.196 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

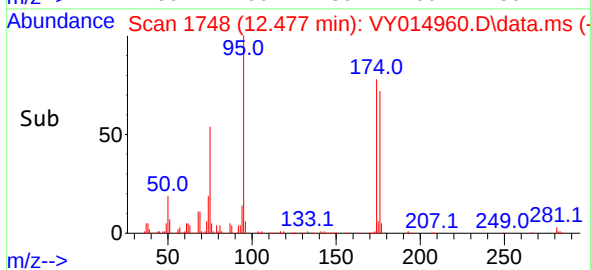
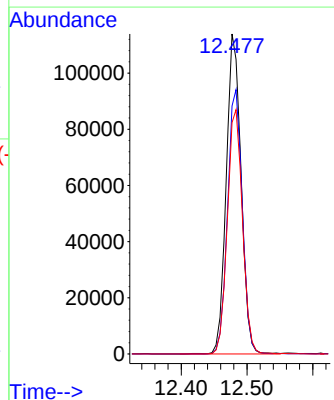
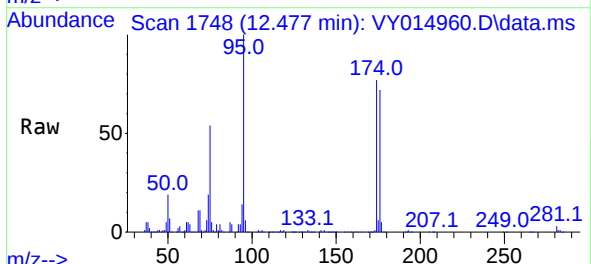
Instrument :
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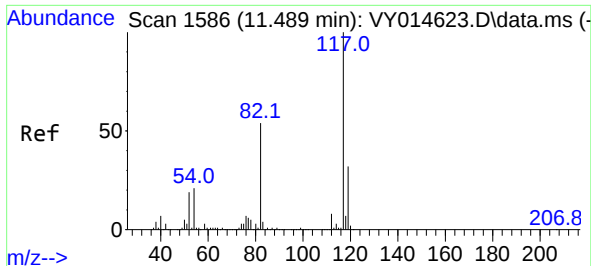
Tgt Ion: 43 Resp: 3108
Ion Ratio Lower Upper
43 100
58 36.8 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 50.068 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

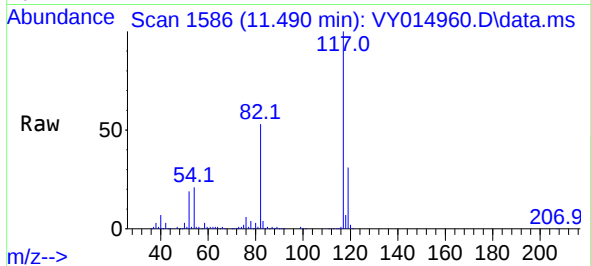
Tgt Ion: 95 Resp: 178647
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 77.8 0.0 173.8



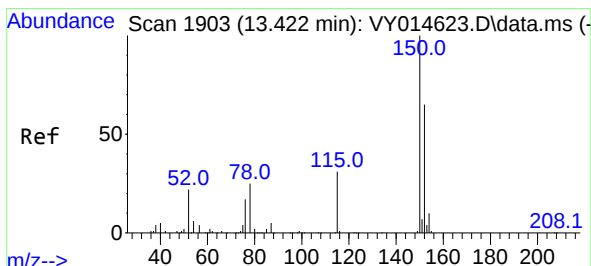
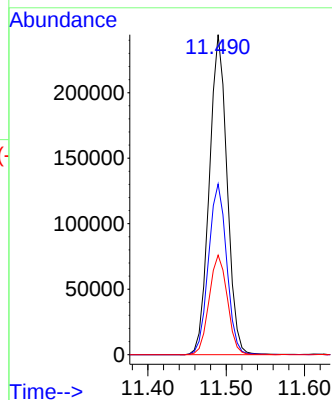
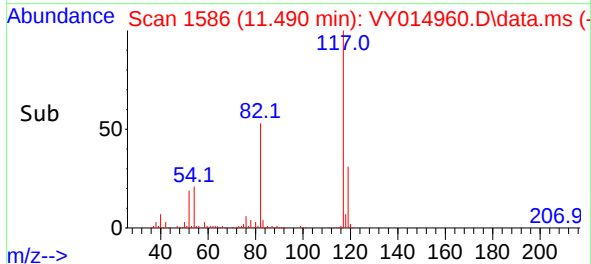


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

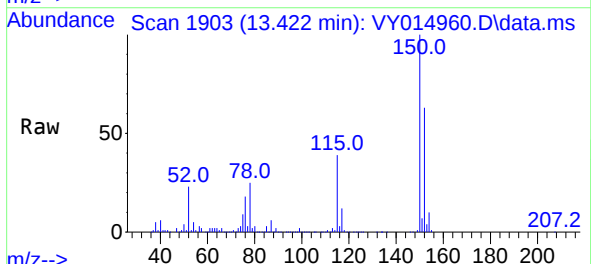
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-080323



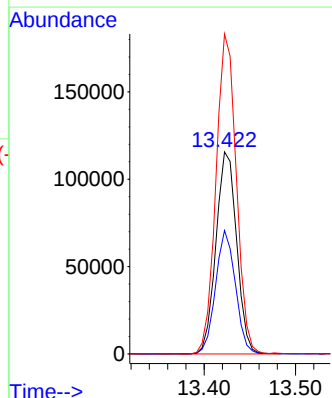
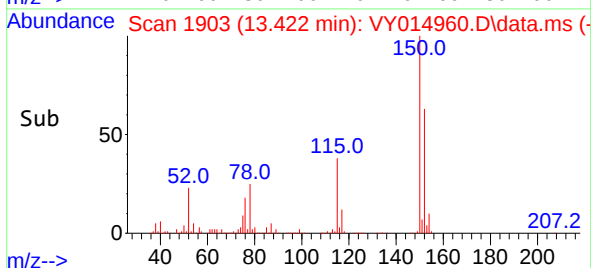
Tgt Ion:117 Resp: 384636
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.1 26.3 39.5

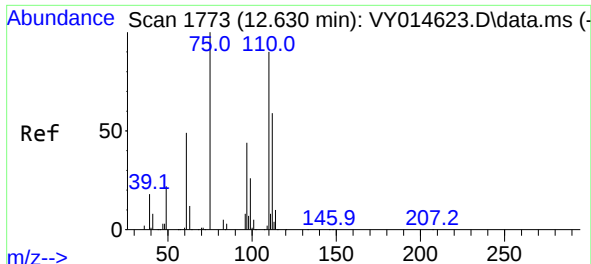


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46



Tgt Ion:152 Resp: 182257
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 155.2 0.0 348.8

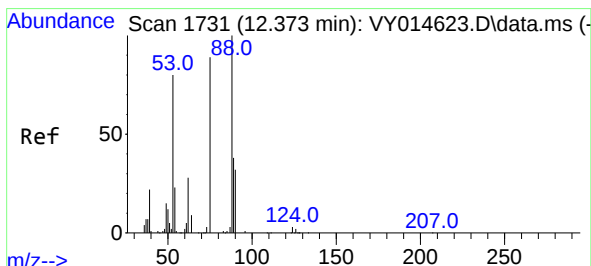
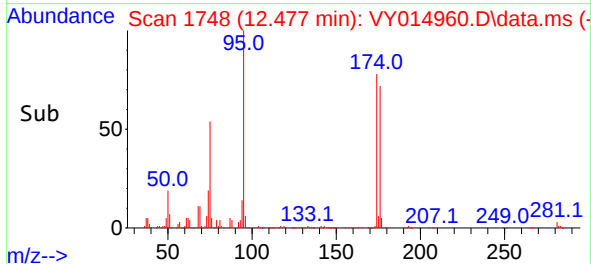
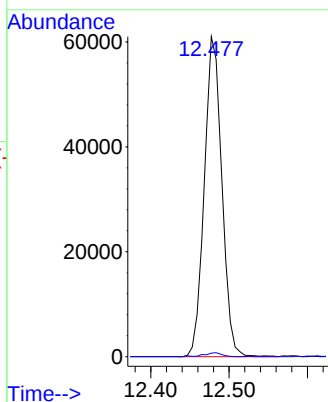
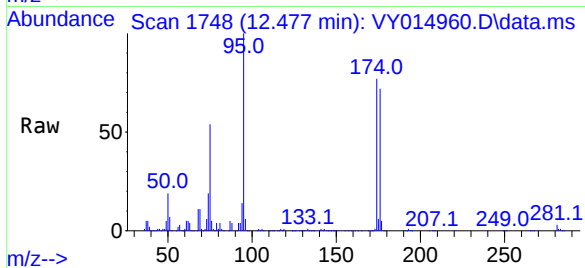




#76
1,2,3-Trichloropropane
Concen: 41.192 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

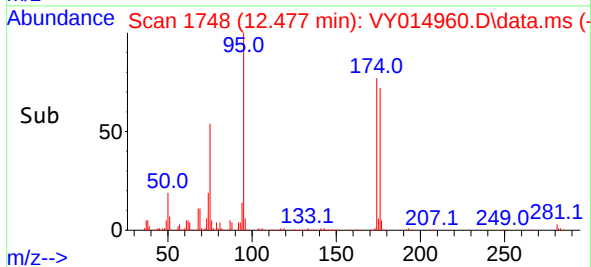
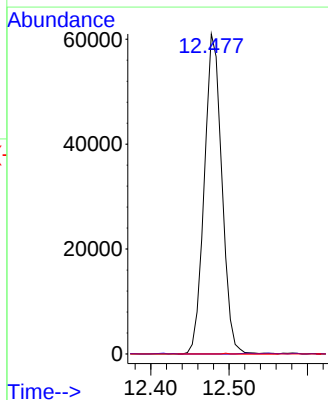
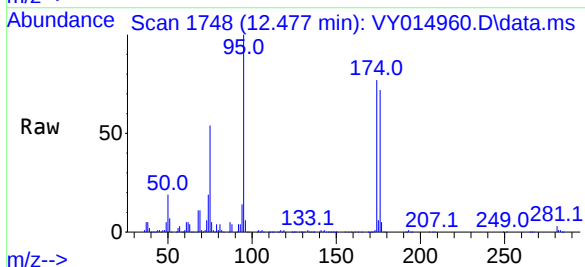
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-080323

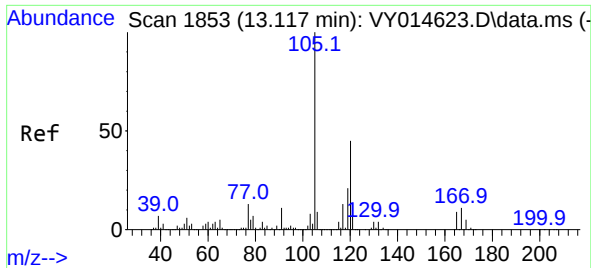
Tgt Ion: 75 Resp: 94817
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.754 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014960.D
Acq: 03 Aug 2023 19:46

Tgt Ion: 75 Resp: 94817
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.406 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014960.D

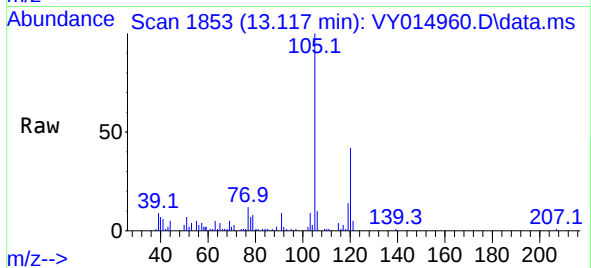
Acq: 03 Aug 2023 19:46

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-080323



Tgt Ion:105 Resp: 16445

Ion Ratio Lower Upper

105 100

120 44.4 22.2 66.6

