

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014211.D
 Acq On : 16 Jun 2023 18:21
 Operator : KP/MD
 Sample : 03235-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-MANHOLERE

Quant Time: Jun 16 23:24:26 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)

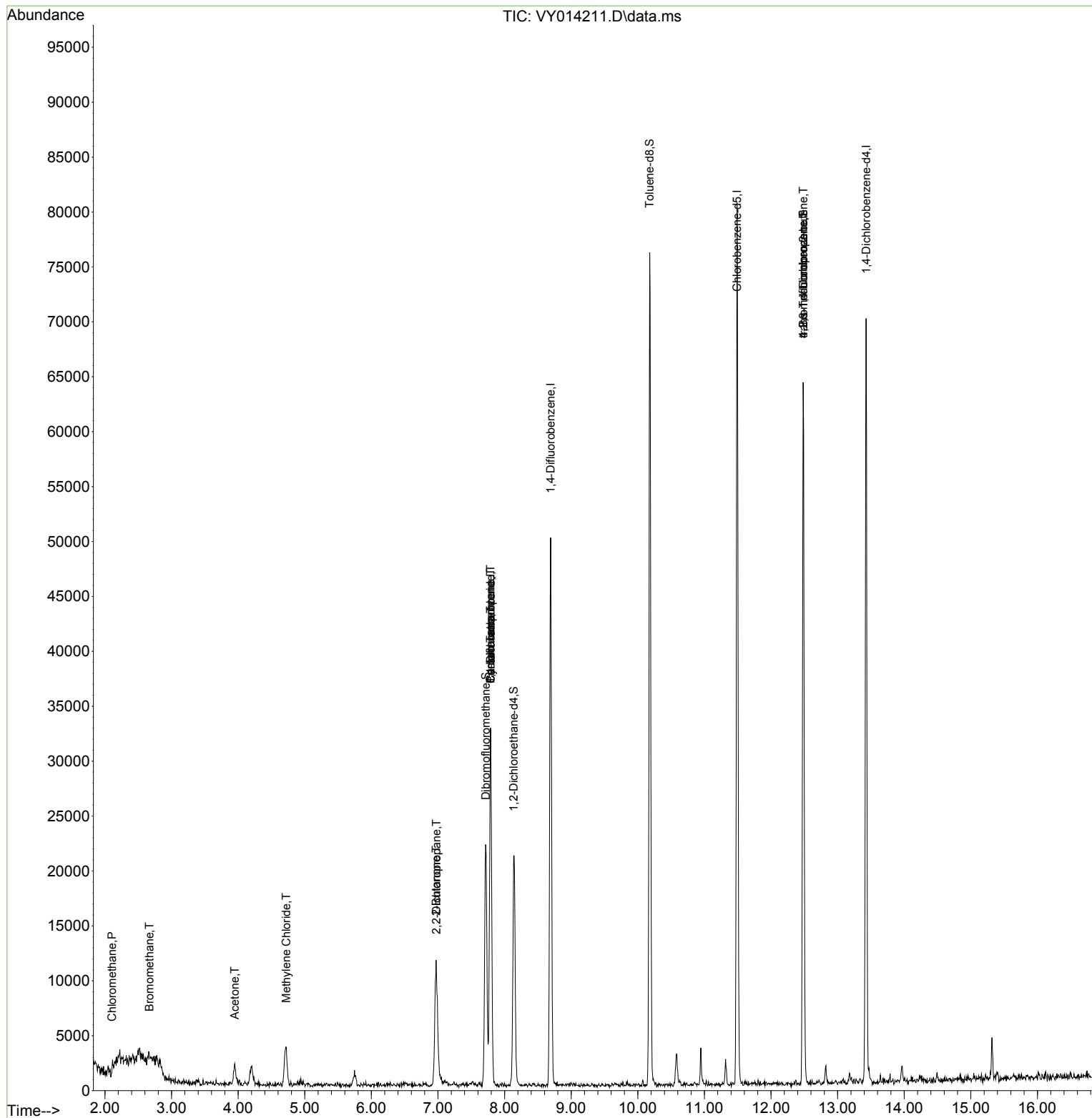
Internal Standards						
1) Pentafluorobenzene	7.789	168	24404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	41560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	43300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	17966	52.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.740%	
35) Dibromofluoromethane	7.716	113	15330	52.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.020%	
50) Toluene-d8	10.179	98	49837	45.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.460%	
62) 4-Bromofluorobenzene	12.483	95	17124	43.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.500%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	393	1.140	ug/l	99
5) Bromomethane	2.668	94	393	1.421	ug/l #	10
11) Tert butyl alcohol	4.978	59	147	Below Cal	#	89
13) Acrolein	3.668	56	20	Below Cal	#	14
16) Acetone	3.948	43	3054	29.814	ug/l #	79
20) Methylene Chloride	4.722	84	2365	3.928	ug/l #	80
25) 2-Butanone	6.972	43	513	4.068	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	887	1.694	ug/l #	54
31) Cyclohexane	7.789	56	480	1.054	ug/l #	51
36) 1,1-Dichloropropene	7.789	75	2028	4.414	ug/l #	45
38) Carbon Tetrachloride	7.789	117	2579	4.864	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	9286	37.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9286	81.899	ug/l #	11

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

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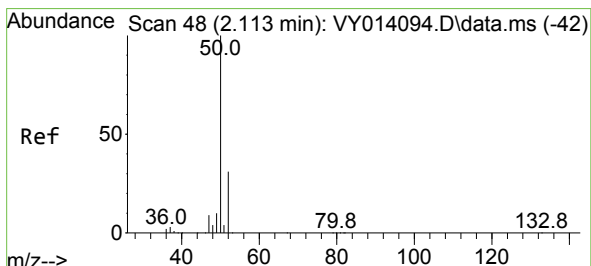
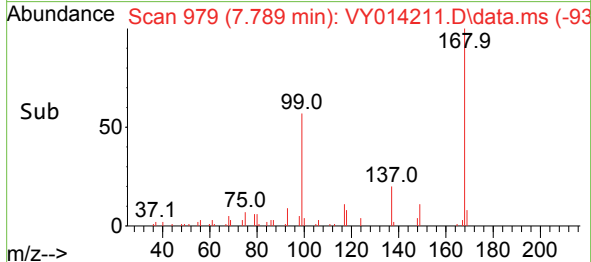
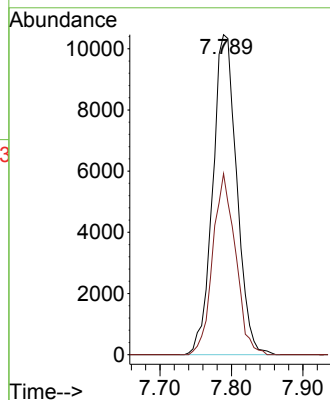
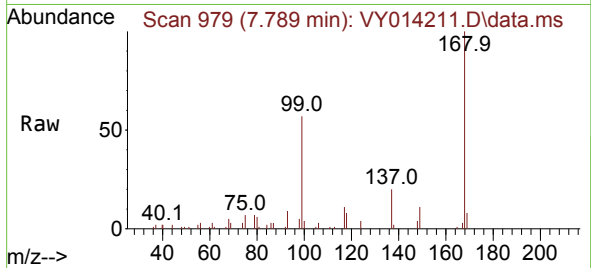




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

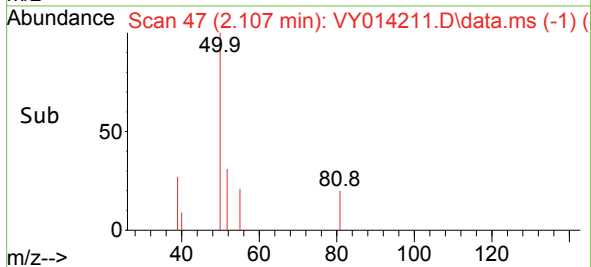
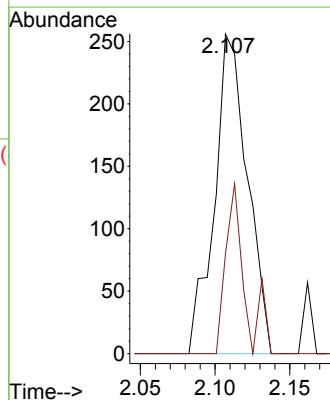
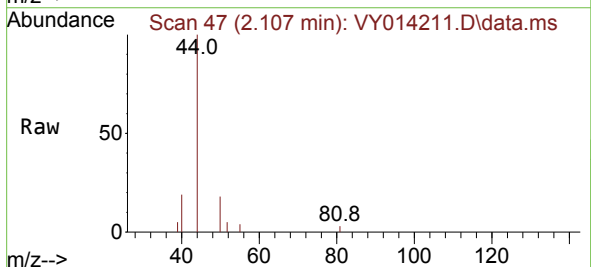
Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

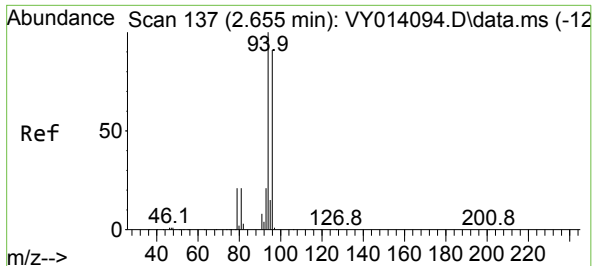
Tgt Ion:168 Resp: 24404
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#3
Chloromethane
Concen: 1.140 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 31.3 25.4 38.2

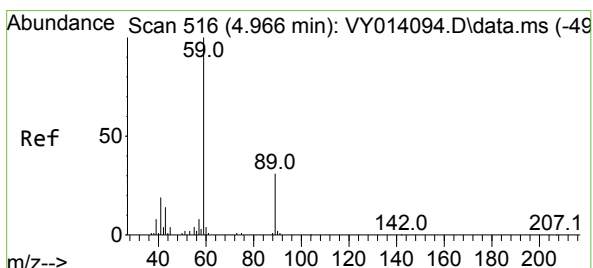
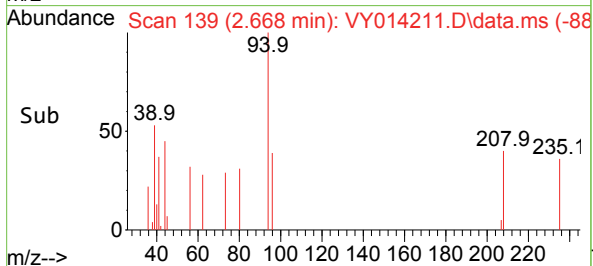
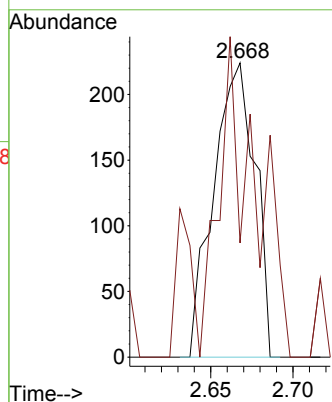
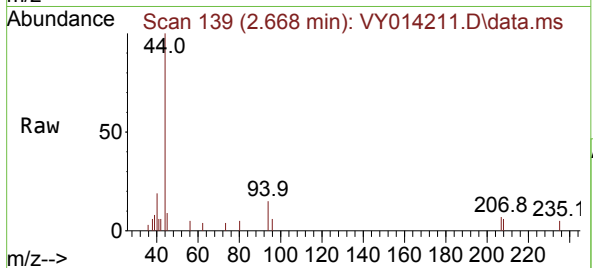




#5
Bromomethane
Concen: 1.421 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

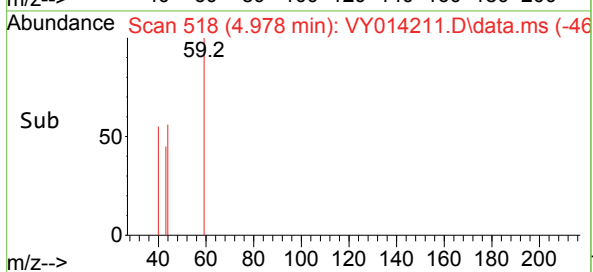
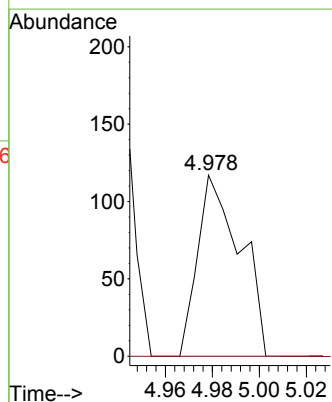
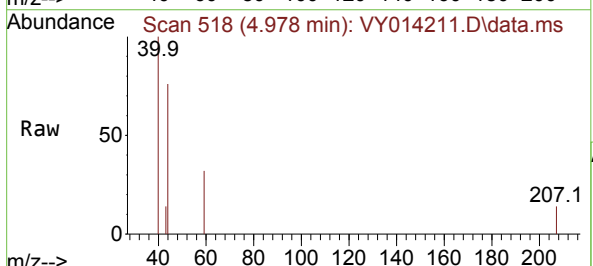
Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

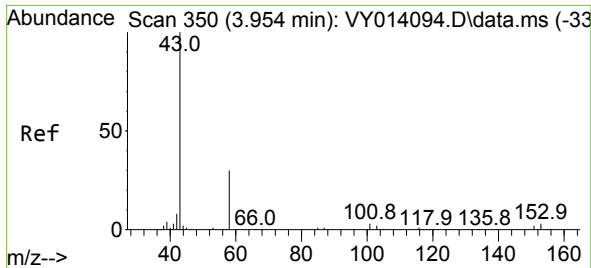
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 7.6 75.8 113.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

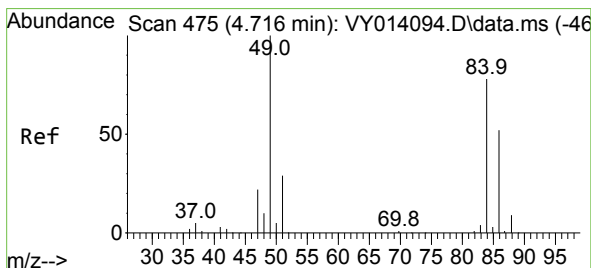
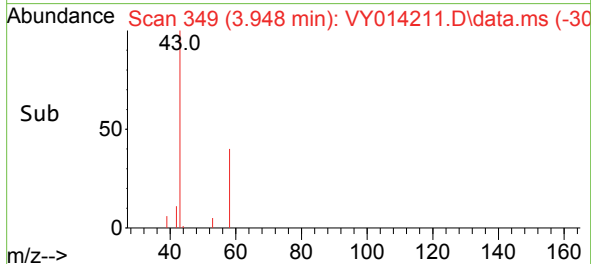
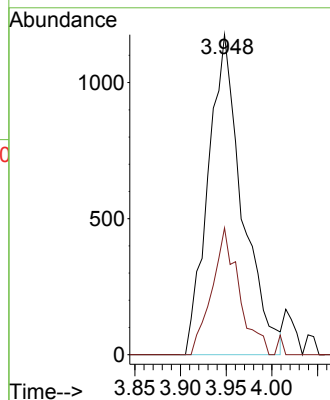
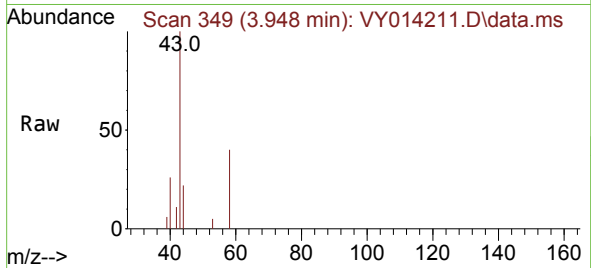




#16
Acetone
Concen: 29.814 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

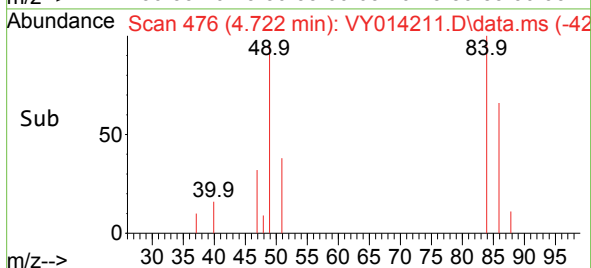
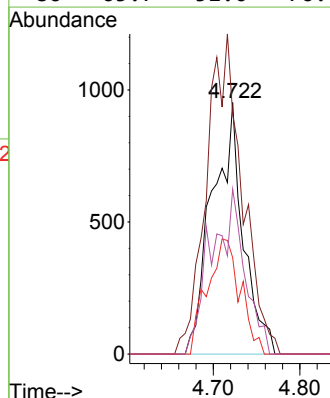
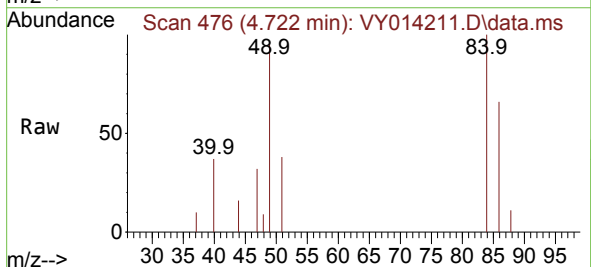
Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

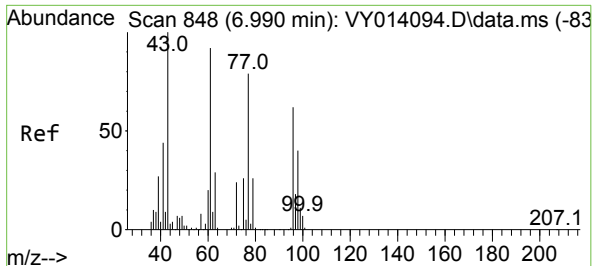
Tgt Ion: 43 Resp: 3054
Ion Ratio Lower Upper
43 100
58 39.6 22.7 34.1#



#20
Methylene Chloride
Concen: 3.928 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 84 Resp: 2365
Ion Ratio Lower Upper
84 100
49 95.4 106.9 160.3#
51 38.3 33.2 49.8
86 65.7 51.0 76.6





#25

2-Butanone

Concen: 4.068 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.018 min

Lab File: VY014211.D

Acq: 16 Jun 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :

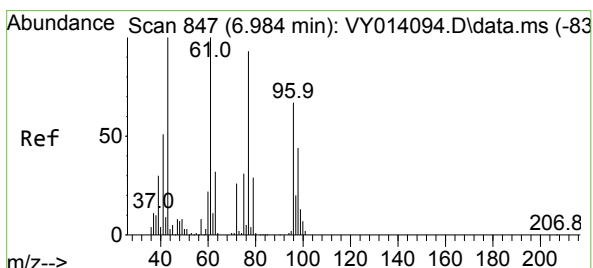
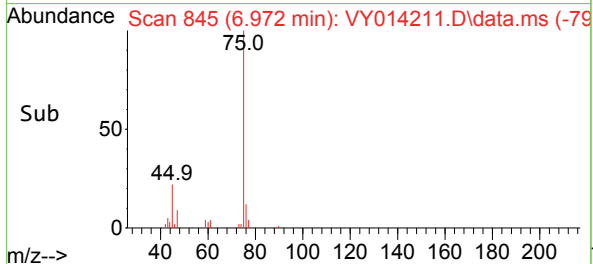
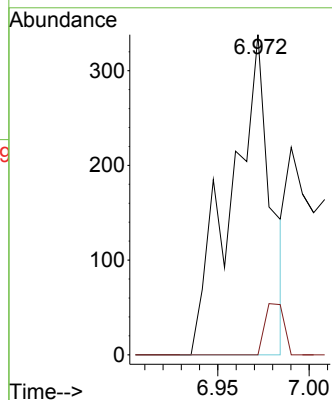
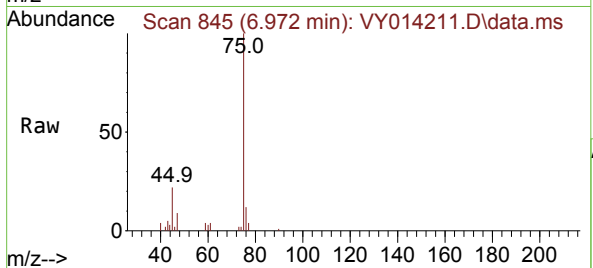
A-MANHOLERE

Tgt Ion: 43 Resp: 513

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.694 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014211.D

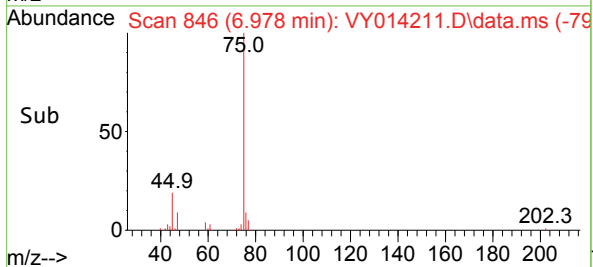
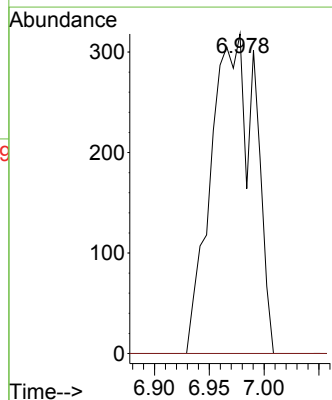
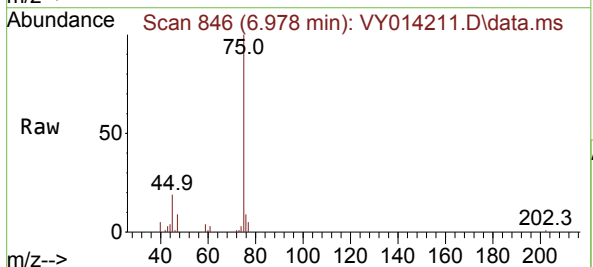
Acq: 16 Jun 2023 18:21

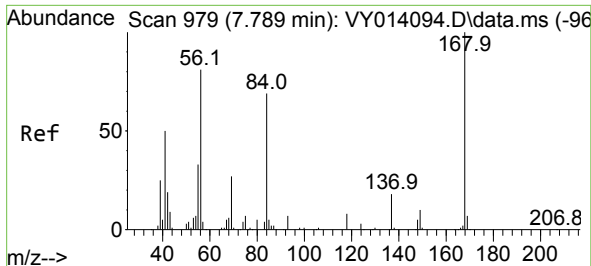
Tgt Ion: 77 Resp: 887

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

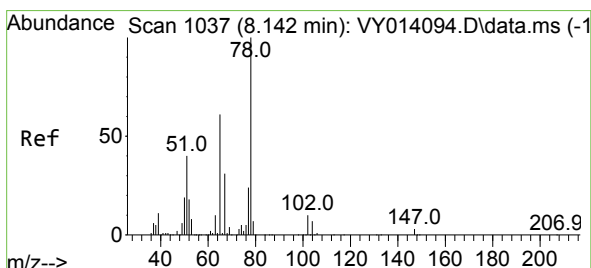
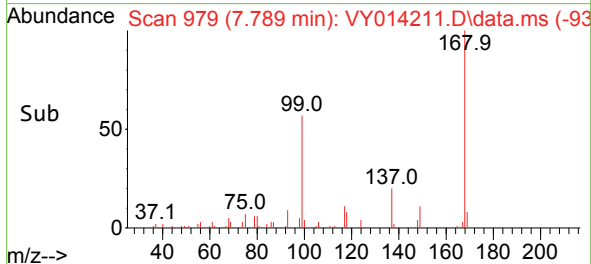
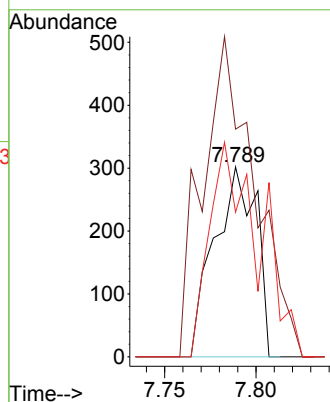
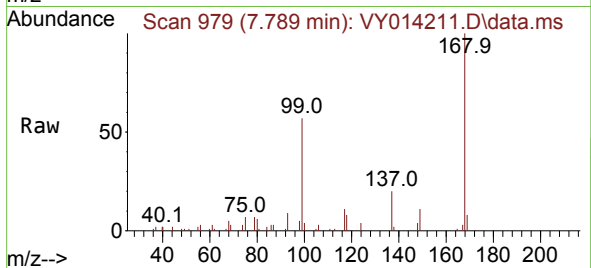




#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

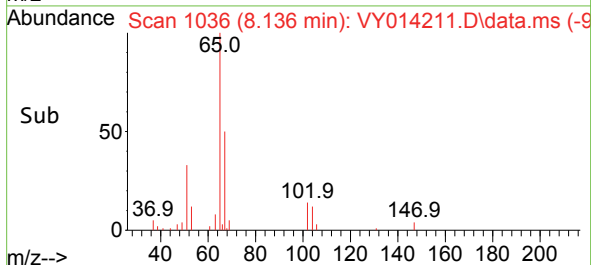
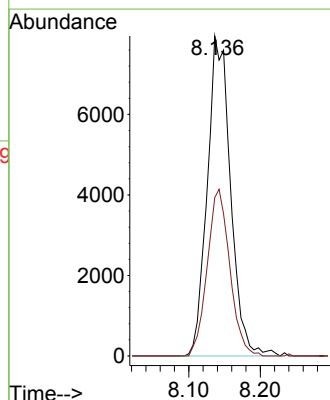
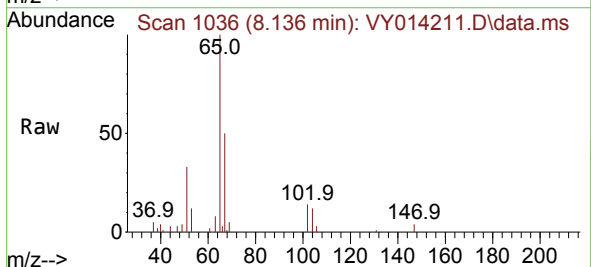
Instrument :
MSVOA_Y
ClientSampleId :
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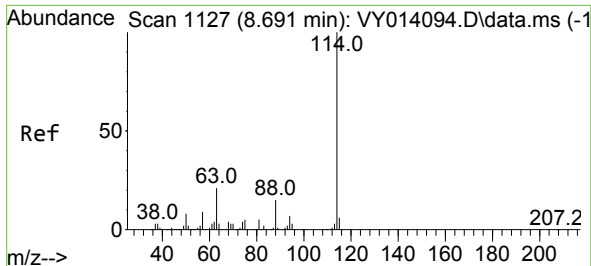
Tgt Ion: 56 Resp: 480
Ion Ratio Lower Upper
56 100
69 119.9 27.8 41.6#
84 76.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.868 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 65 Resp: 17966
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

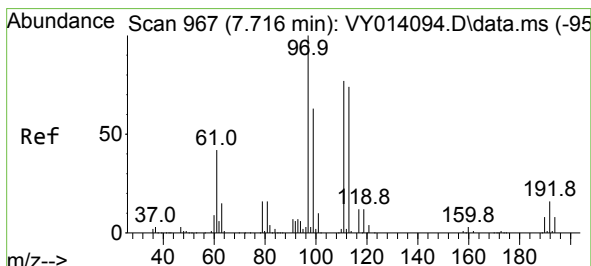
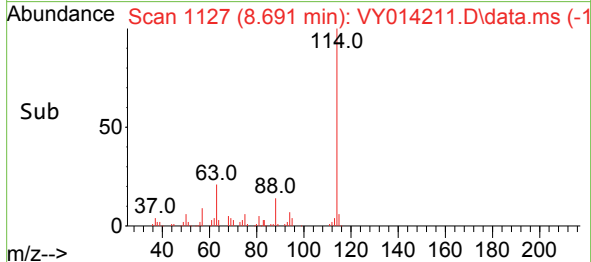
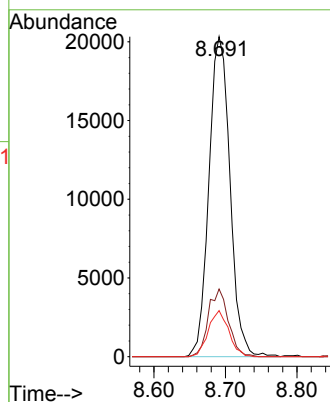
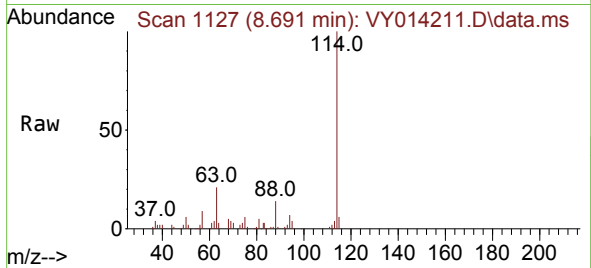




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

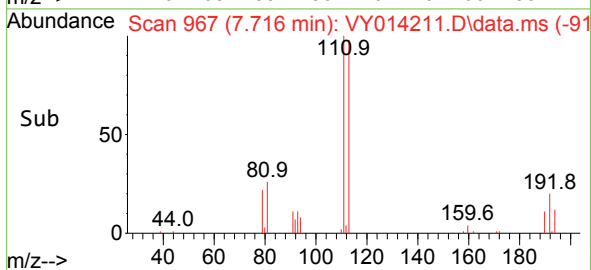
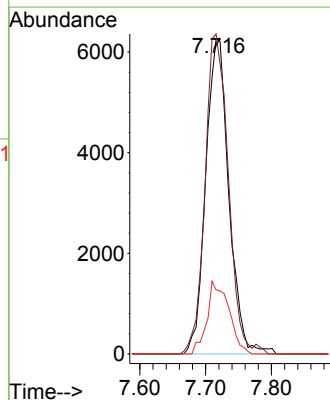
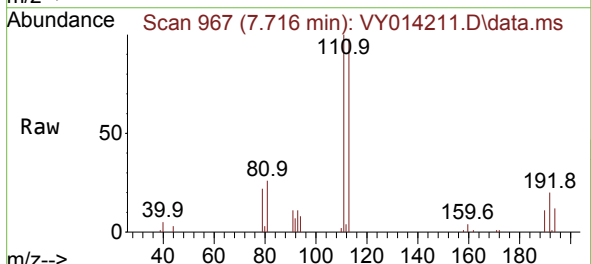
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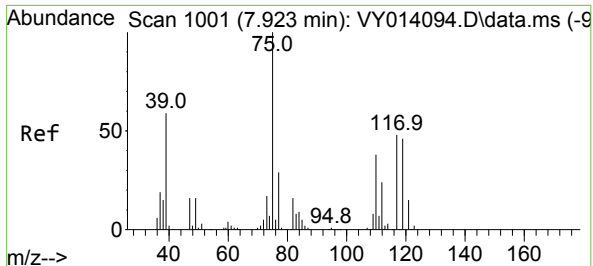
Tgt Ion:	114	Resp:	41560
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	14.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 52.013 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion:	113	Resp:	15330
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.3	121.9
192	21.9	16.9	25.3

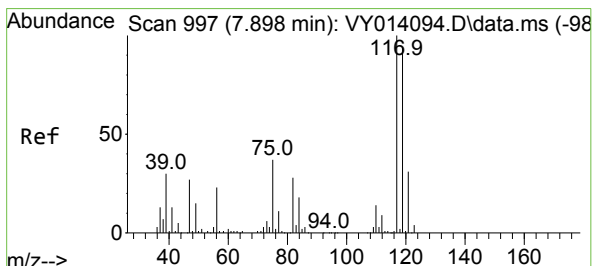
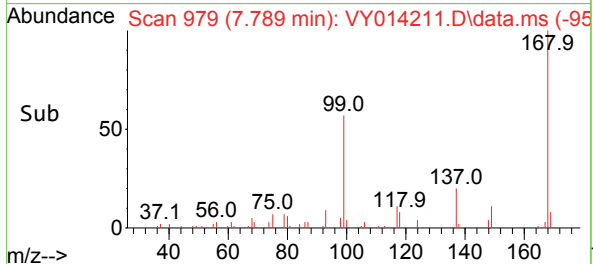
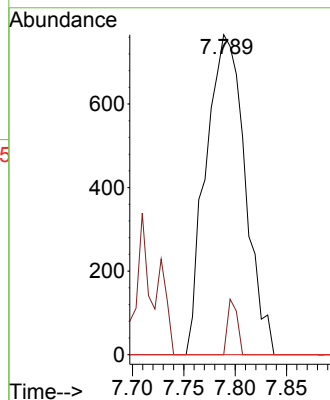
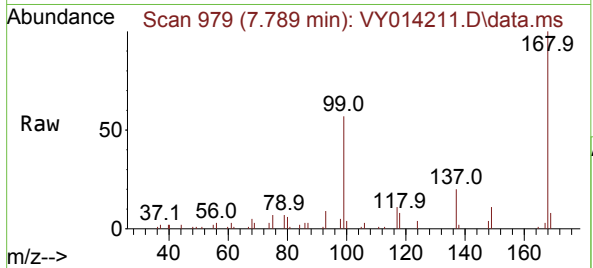




#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

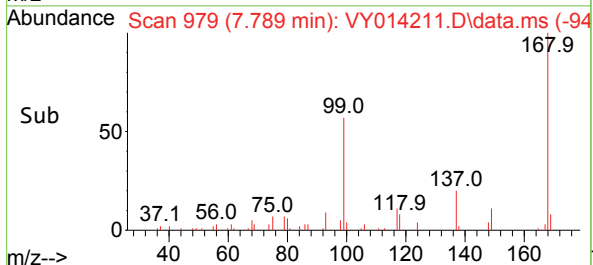
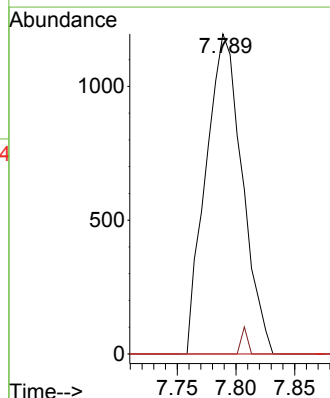
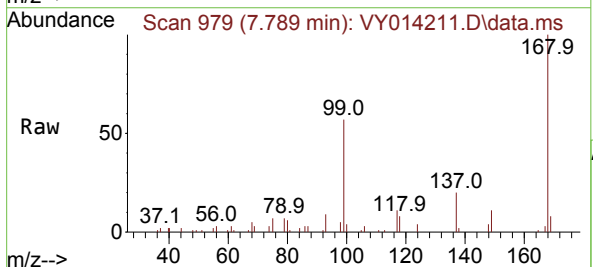
Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

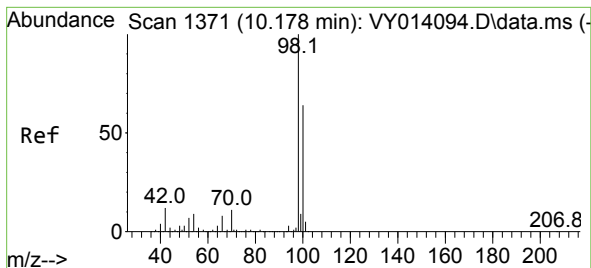
Tgt Ion: 75 Resp: 2028
Ion Ratio Lower Upper
75 100
110 4.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.864 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 117 Resp: 2579
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

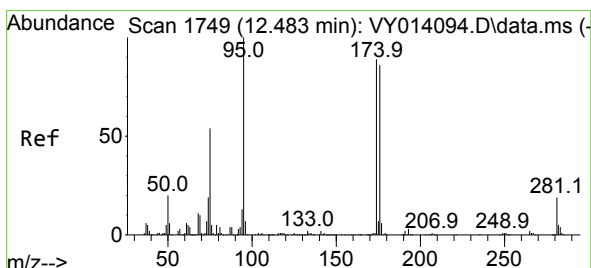
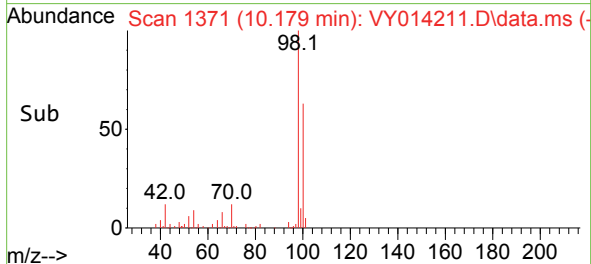
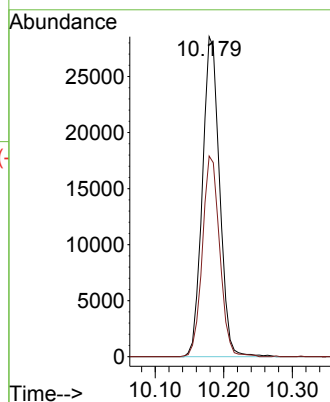
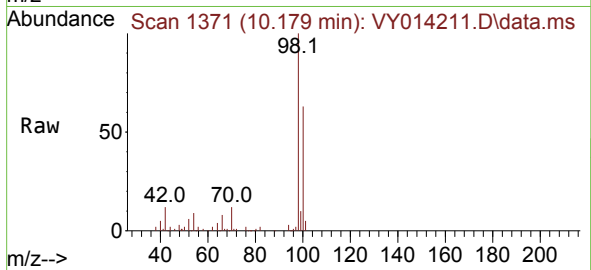




#50
Toluene-d8
Concen: 45.229 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

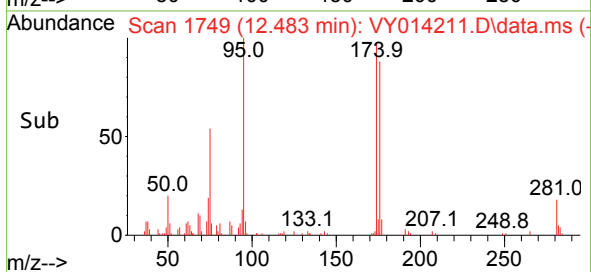
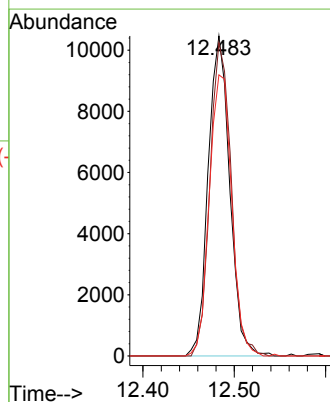
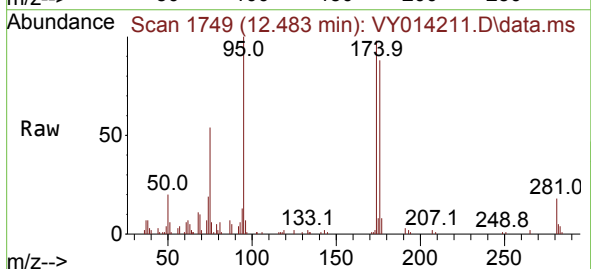
Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

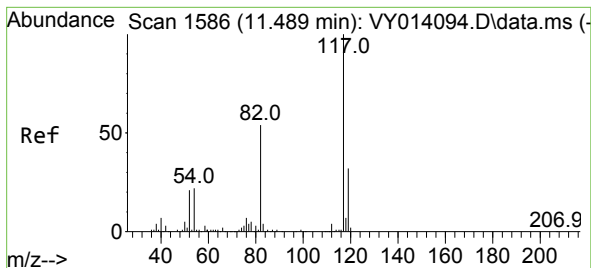
Tgt Ion: 98 Resp: 49837
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 95 Resp: 17124
Ion Ratio Lower Upper
95 100
174 96.1 0.0 178.2
176 91.6 0.0 173.8

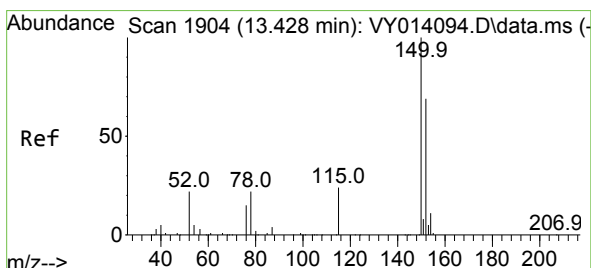
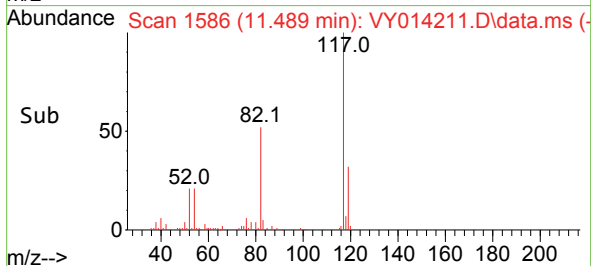
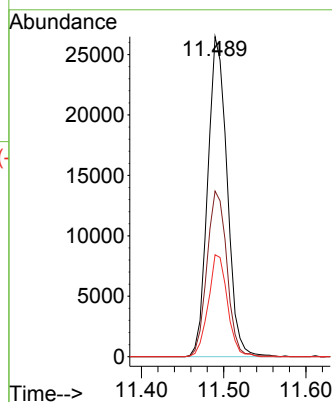
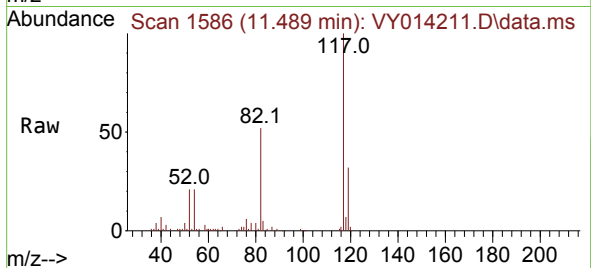




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

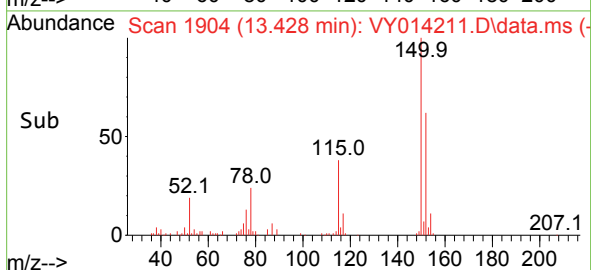
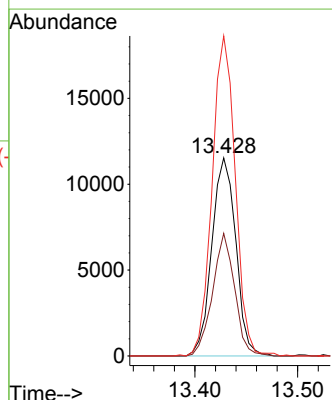
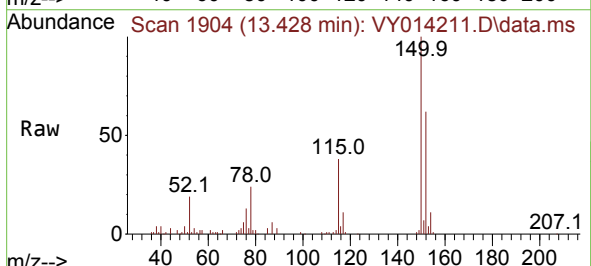
Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

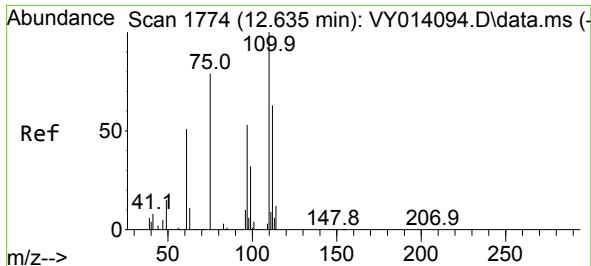
Tgt Ion:117 Resp: 43300
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion:152 Resp: 18681
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.5
150 155.8 0.0 348.8

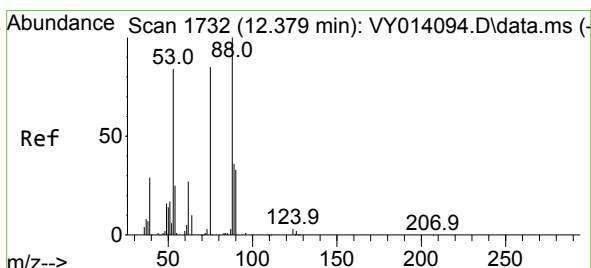
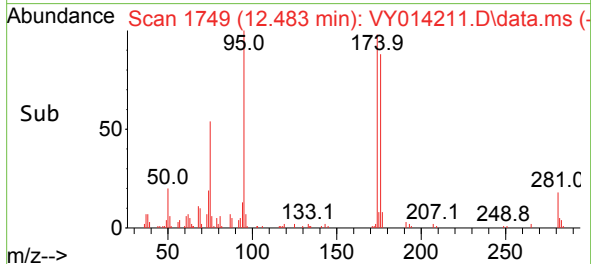
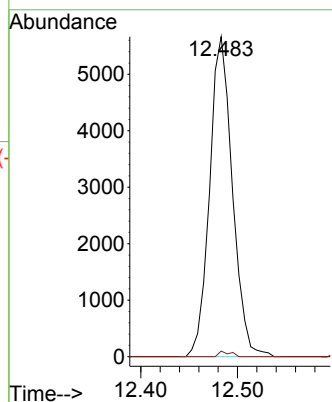
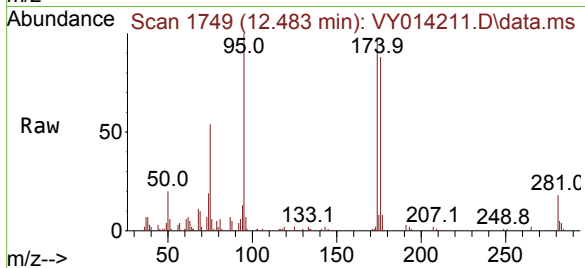




#76
1,2,3-Trichloropropane
Concen: 37.888 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :
A-MANHOLERE

Tgt Ion: 75 Resp: 9286
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.899 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014211.D
Acq: 16 Jun 2023 18:21

Tgt Ion: 75 Resp: 9286
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#

