

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014437.D
 Acq On : 26 Jun 2023 16:27
 Operator : KP/MD
 Sample : 03409-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-1-062323

Quant Time: Jun 27 01:49:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

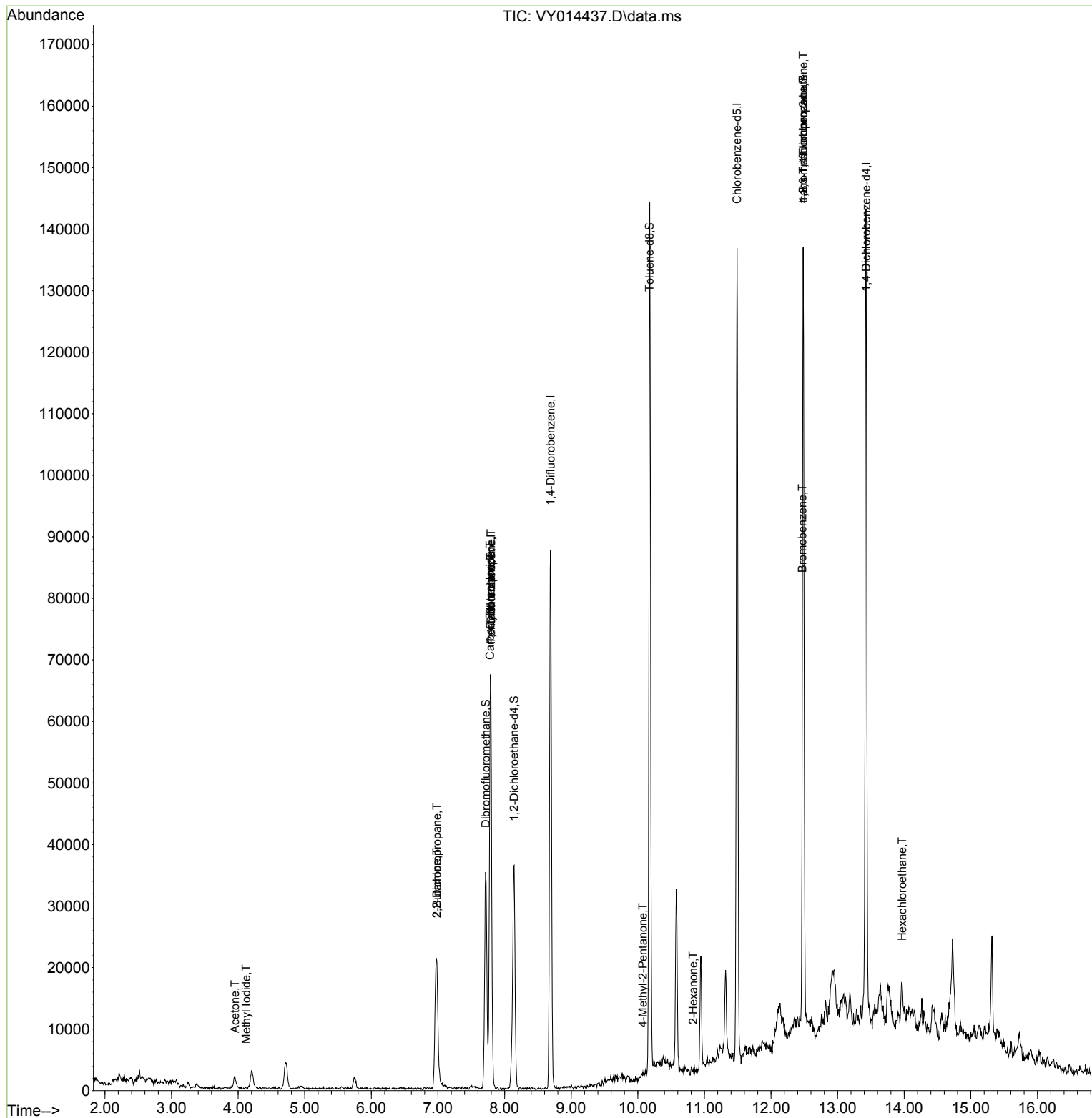
Internal Standards						
1) Pentafluorobenzene	7.795	168	54514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	75952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	72772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	34995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	30122	44.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.000%
35) Dibromofluoromethane	7.716	113	23743	50.598	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.179	98	92053	49.350	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.483	95	30335	45.553	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.100%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.119	142	33	2.921	ug/l #	38
11) Tert butyl alcohol	4.948	59	619	Below Cal	#	89
16) Acetone	3.954	43	3534	16.593	ug/l #	79
20) Methylene Chloride	4.704	84	1999	Below Cal	#	81
25) 2-Butanone	6.984	43	1277	4.814	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	1654	1.653	ug/l #	54
31) Cyclohexane	7.789	56	1106	1.323	ug/l #	22
36) 1,1-Dichloropropene	7.795	75	3930	5.435	ug/l #	51
38) Carbon Tetrachloride	7.783	117	5166	5.677	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	563	1.134	ug/l #	55
59) 2-Hexanone	10.831	43	406	1.085	ug/l #	27
76) 1,2,3-Trichloropropane	12.483	75	17012	38.753	ug/l #	100
77) Bromobenzene	12.471	156	769	1.255	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	17012	88.228	ug/l #	12
90) Hexachloroethane	13.971	117	785	1.886	ug/l #	8

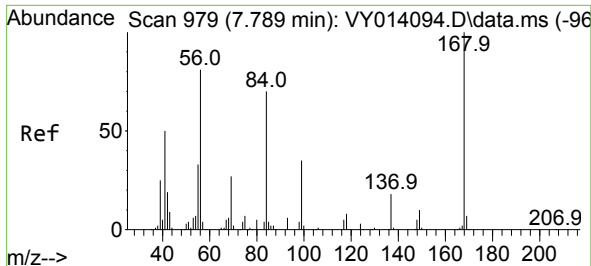
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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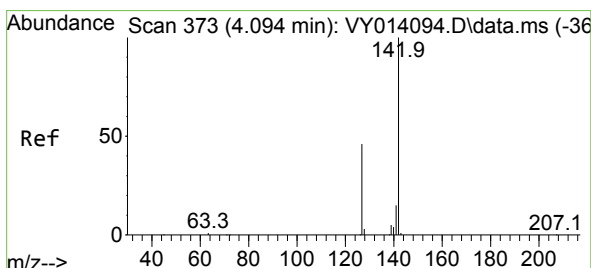
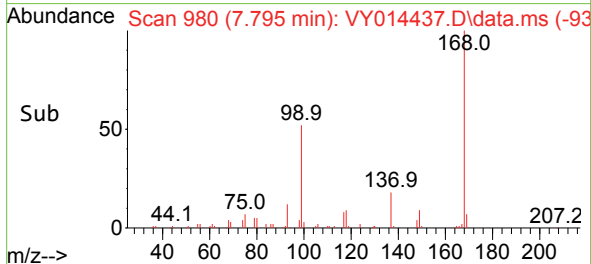
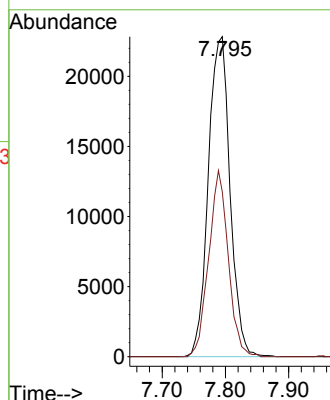
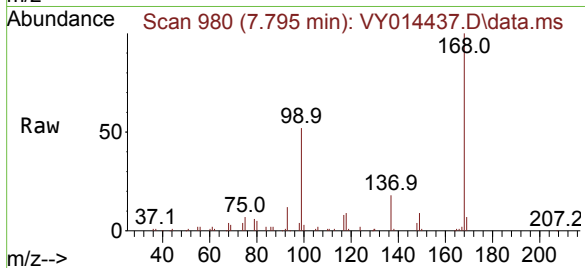




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

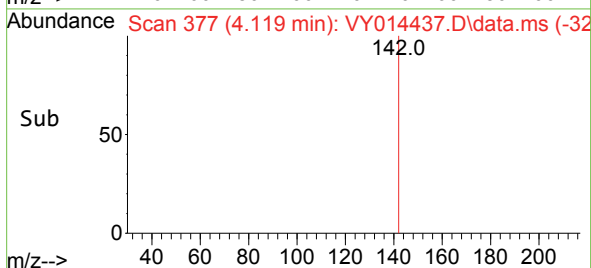
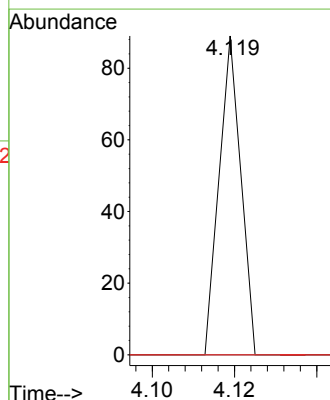
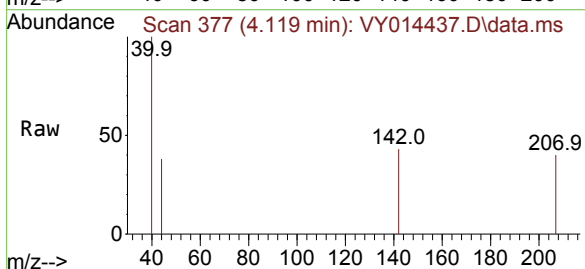
Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

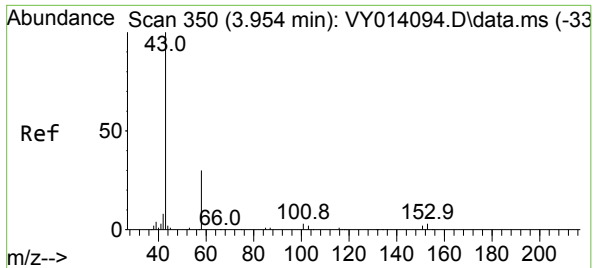
Tgt Ion:168 Resp: 54514
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.921 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.025 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion:142 Resp: 33
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

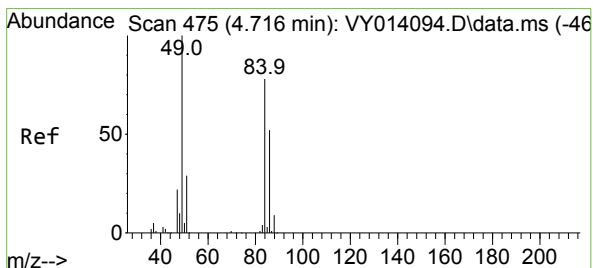
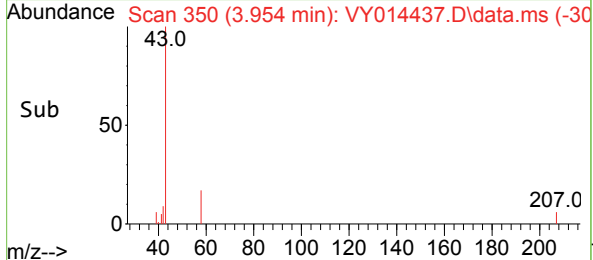
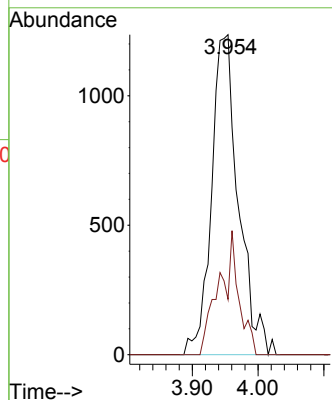
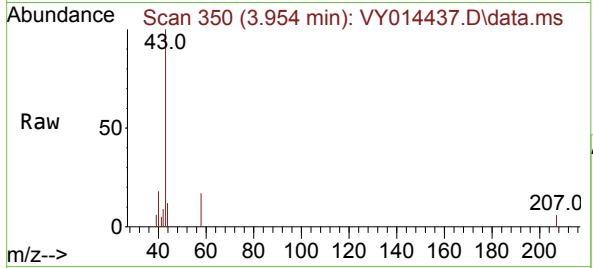




#16
Acetone
Concen: 16.593 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

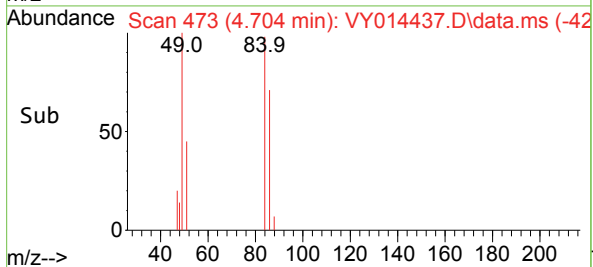
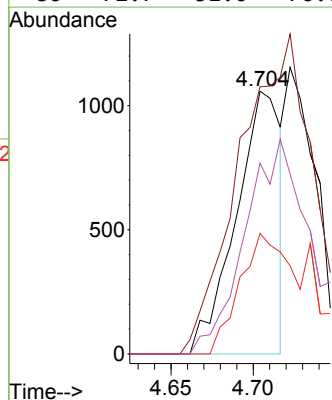
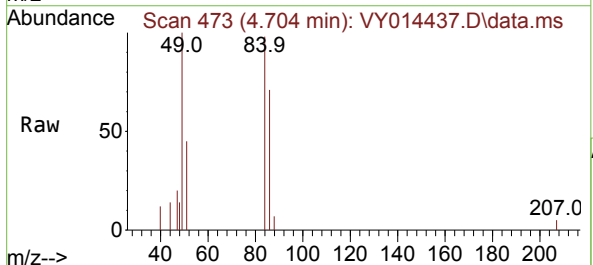
Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

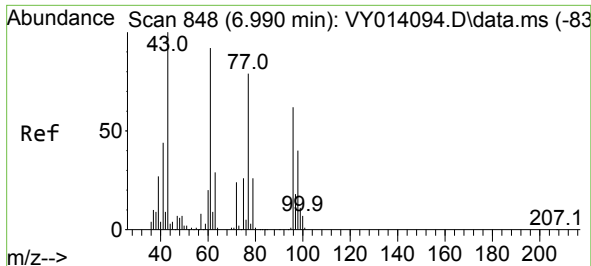
Tgt Ion: 43 Resp: 3534
Ion Ratio Lower Upper
43 100
58 17.3 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion: 84 Resp: 1999
Ion Ratio Lower Upper
84 100
49 101.7 106.9 160.3#
51 45.8 33.2 49.8
86 72.7 51.0 76.6

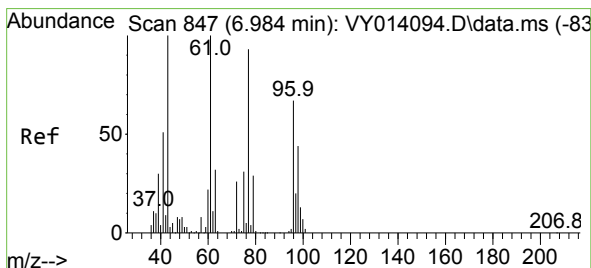
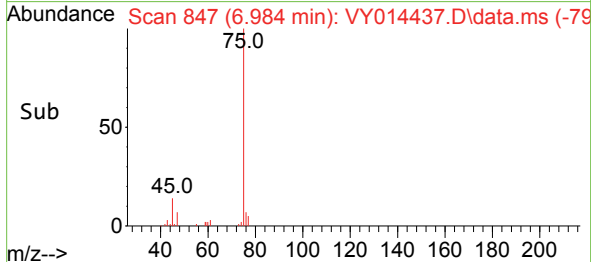
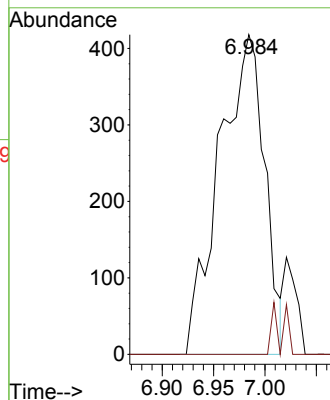
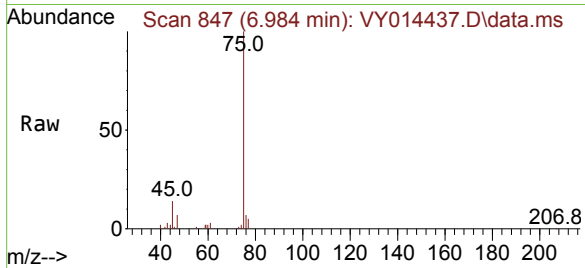




#25
2-Butanone
Concen: 4.814 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

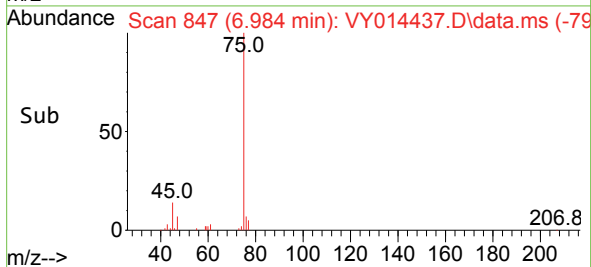
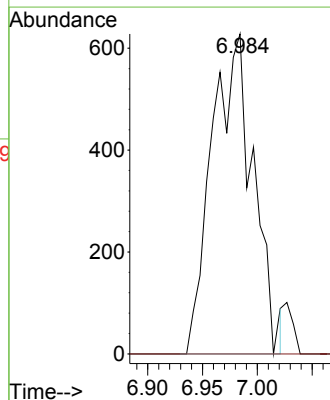
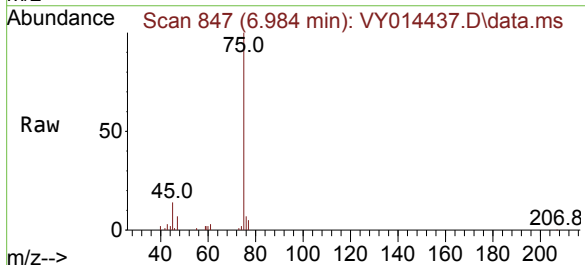
Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

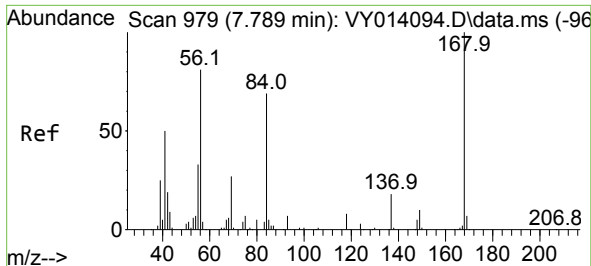
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.653 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

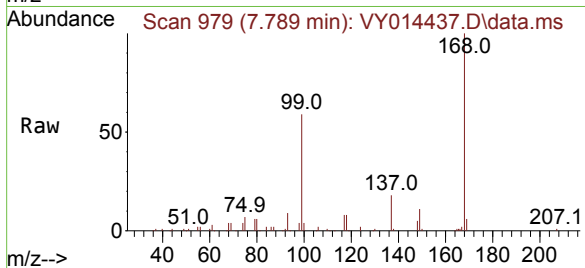
Tgt Ion: 77 Resp: 1654
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



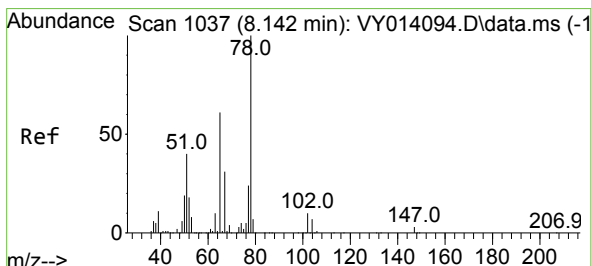
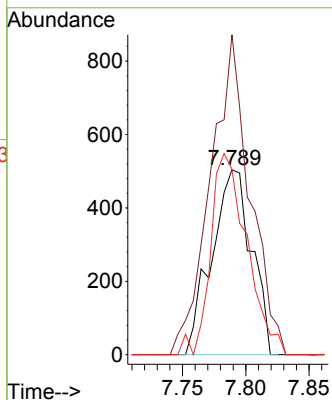
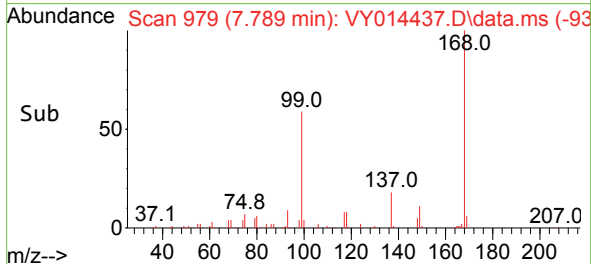


#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

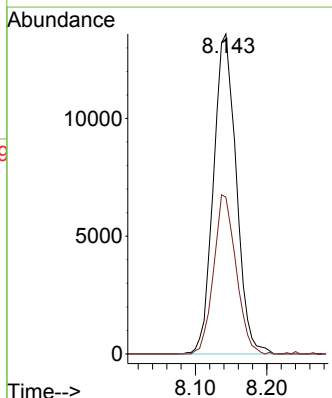
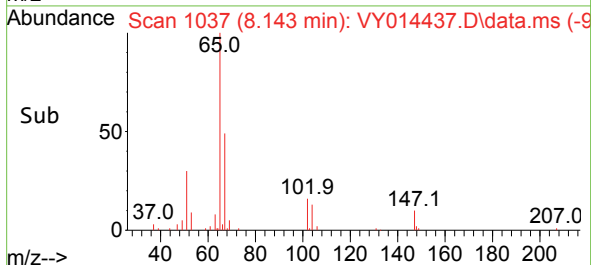
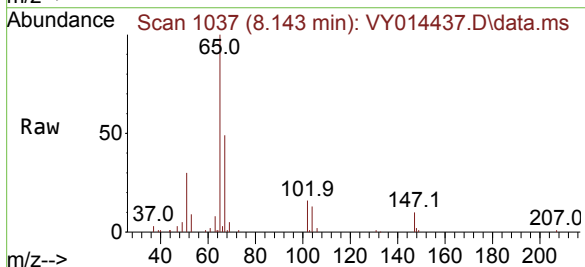


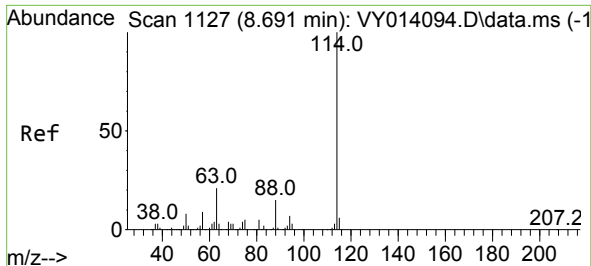
Tgt Ion: 56 Resp: 1106
Ion Ratio Lower Upper
56 100
69 161.9 27.8 41.6#
84 100.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 44.504 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion: 65 Resp: 30122
Ion Ratio Lower Upper
65 100
67 48.9 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: VY014437.D

Acq: 26 Jun 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

OE-1-062323

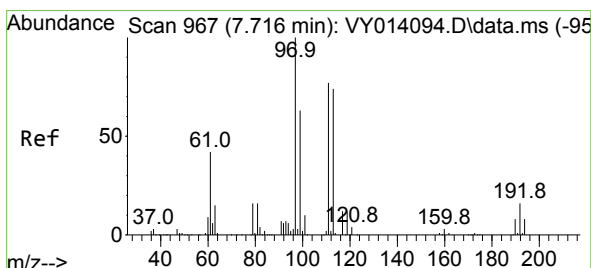
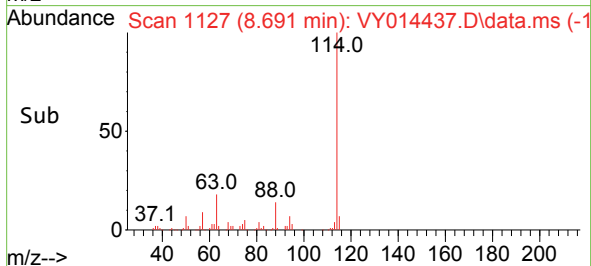
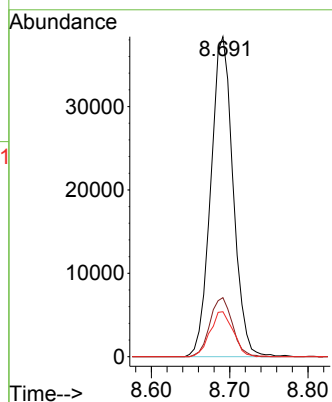
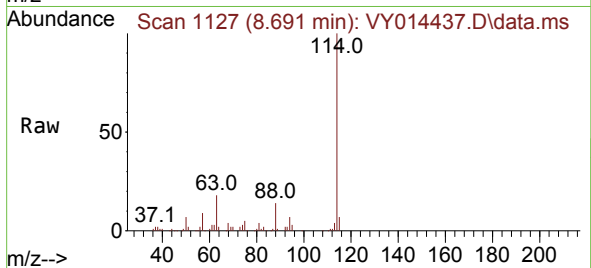
Tgt Ion:114 Resp: 75952

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.598 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014437.D

Acq: 26 Jun 2023 16:27

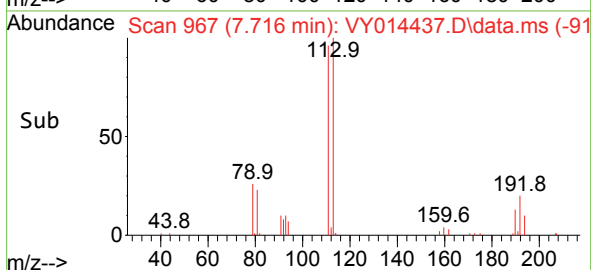
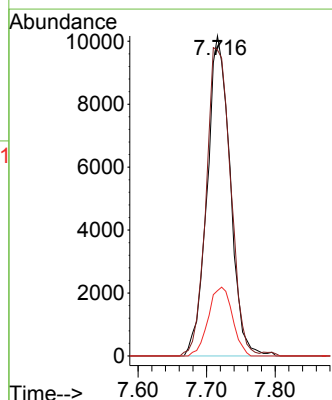
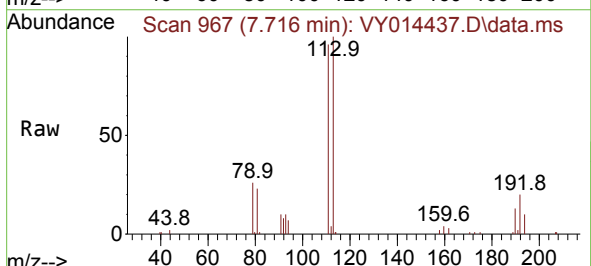
Tgt Ion:113 Resp: 23743

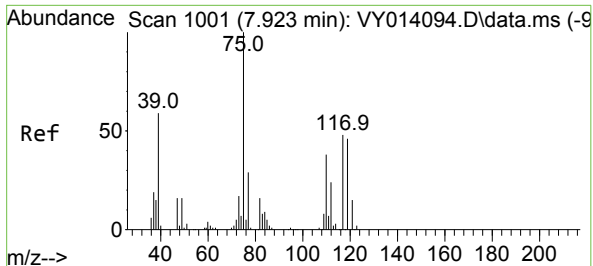
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 22.5 16.9 25.3

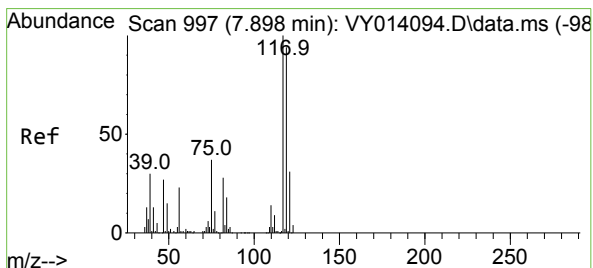
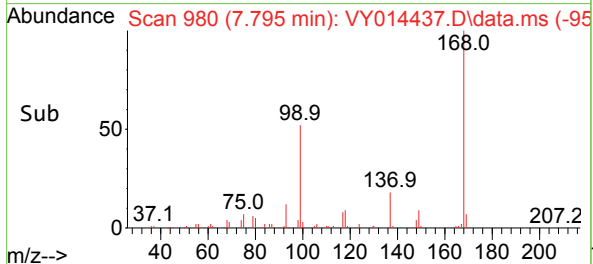
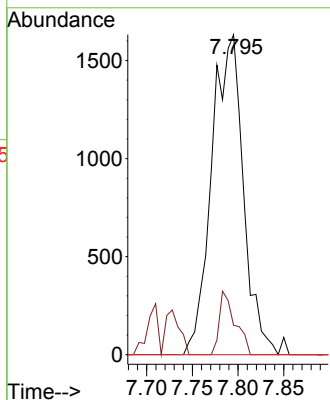
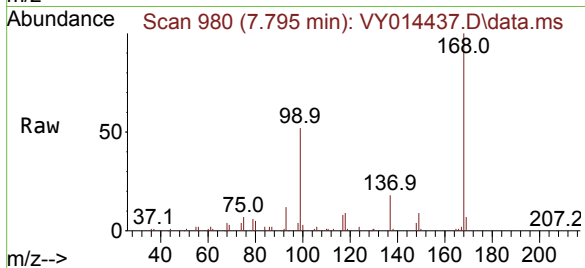




#36
 1,1-Dichloropropene
 Concen: 5.435 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014437.D
 Acq: 26 Jun 2023 16:27

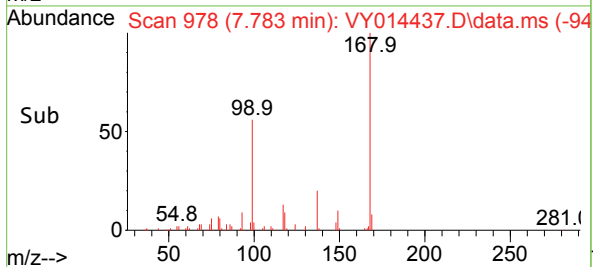
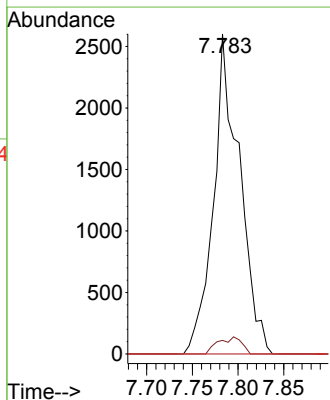
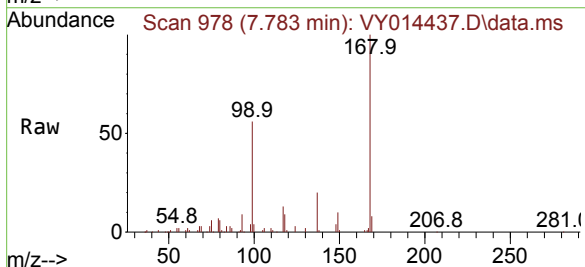
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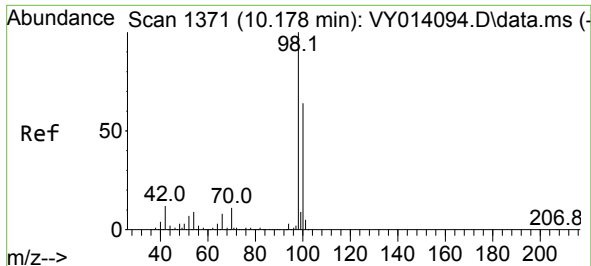
Tgt Ion: 75 Resp: 3930
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.677 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.115 min
 Lab File: VY014437.D
 Acq: 26 Jun 2023 16:27

Tgt Ion: 117 Resp: 5166
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.4 114.6#
 121 0.0 25.8 38.6#

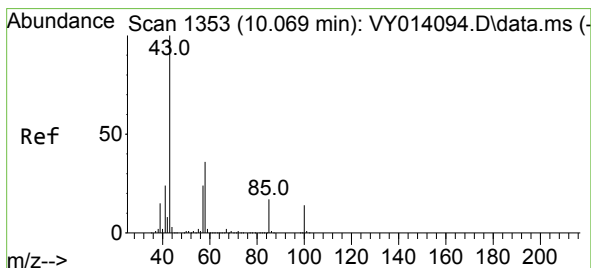
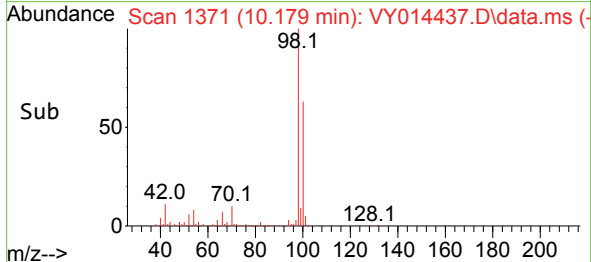
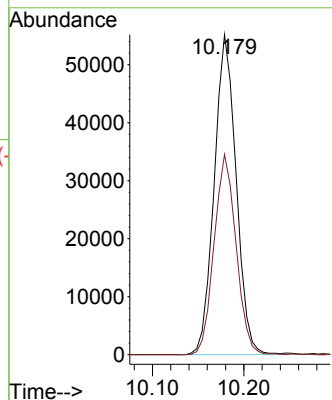
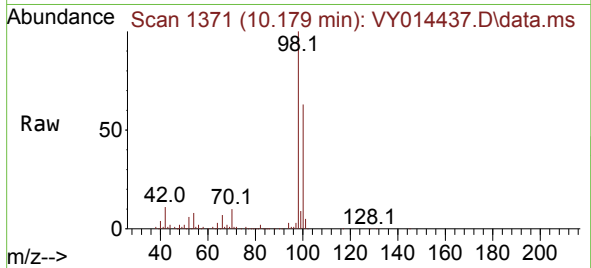




#50
Toluene-d8
Concen: 49.350 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

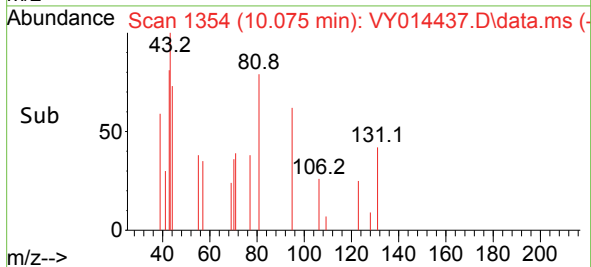
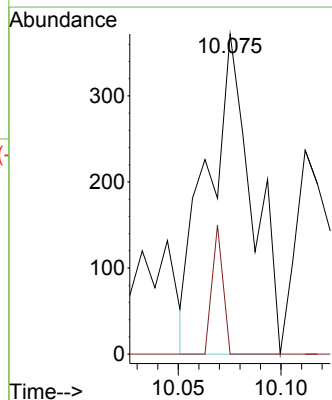
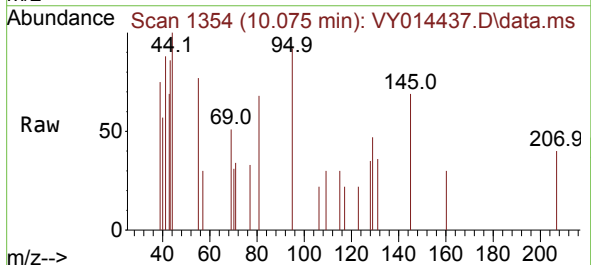
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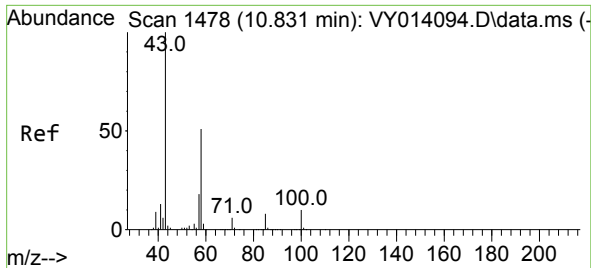
Tgt Ion: 98 Resp: 92053
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.134 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
58 9.8 29.0 43.6#

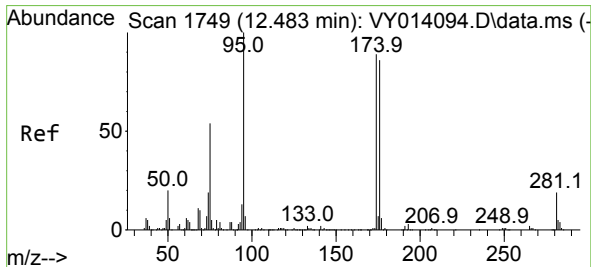
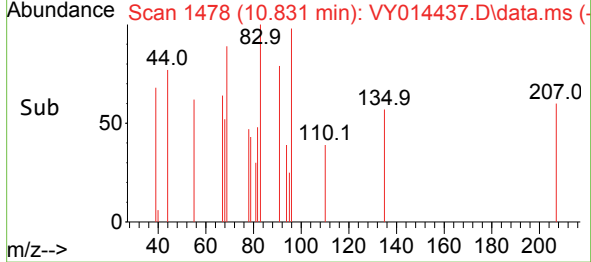
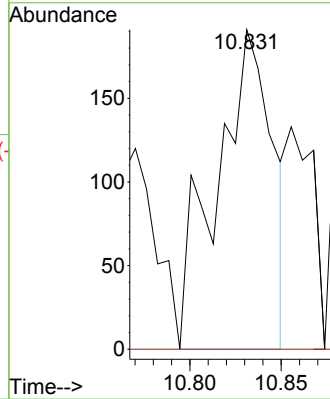
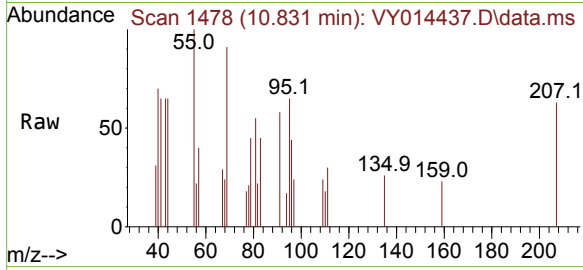




#59
2-Hexanone
Concen: 1.085 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

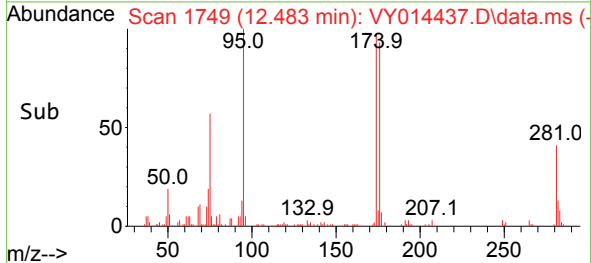
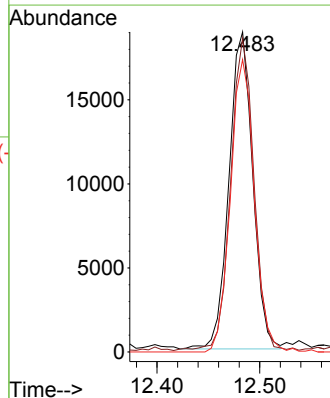
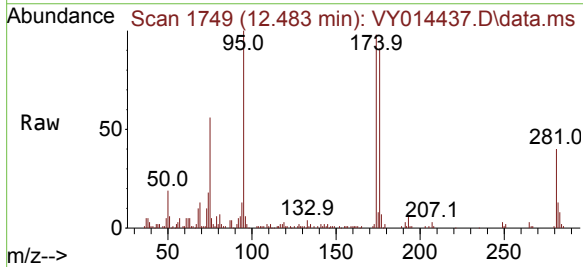
Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

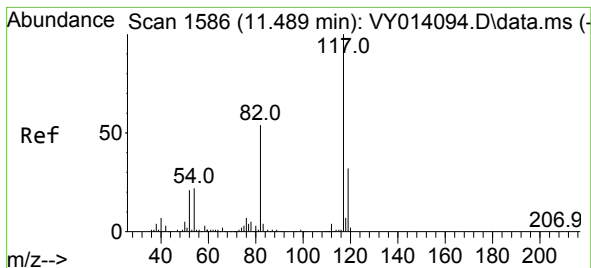
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 45.553 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion: 95 Resp: 30335
Ion Ratio Lower Upper
95 100
174 96.7 0.0 178.2
176 93.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014437.D

Acq: 26 Jun 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

OE-1-062323

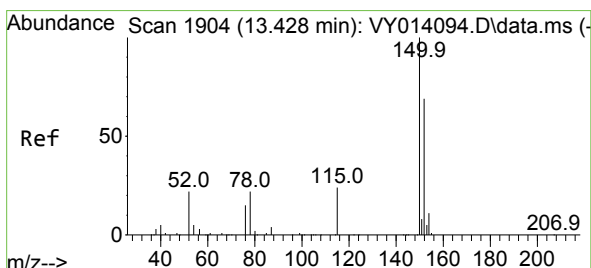
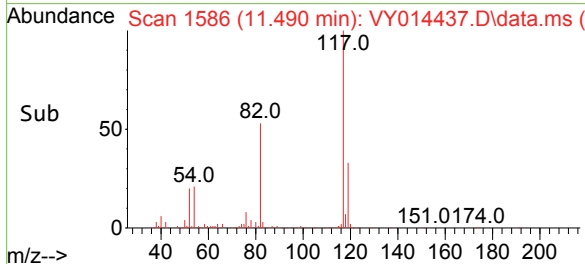
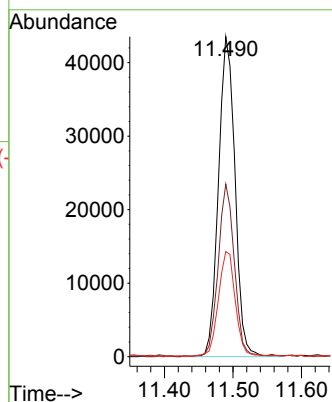
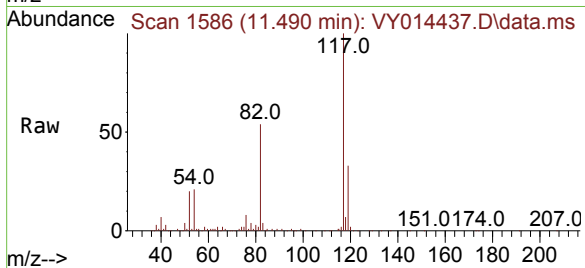
Tgt Ion:117 Resp: 72772

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 32.6 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: VY014437.D

Acq: 26 Jun 2023 16:27

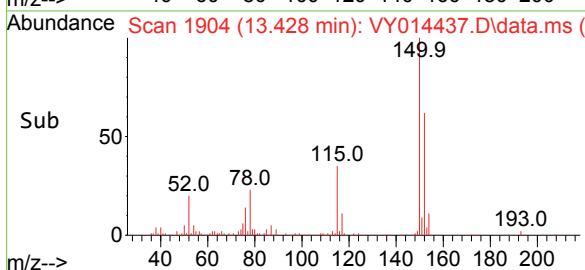
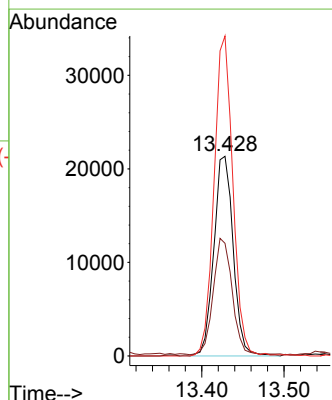
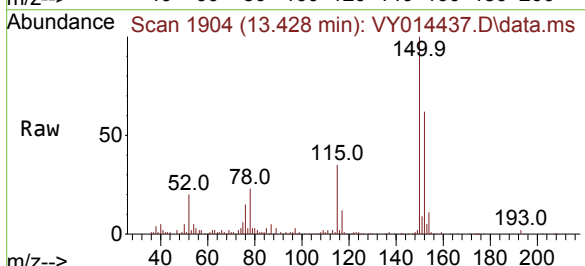
Tgt Ion:152 Resp: 34995

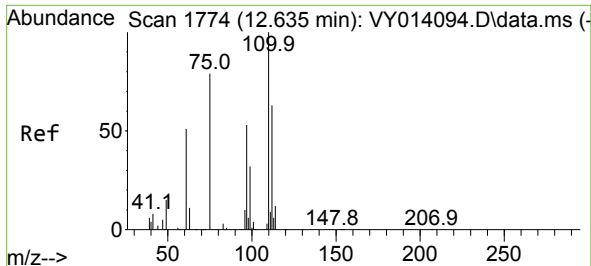
Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 155.0 0.0 348.8

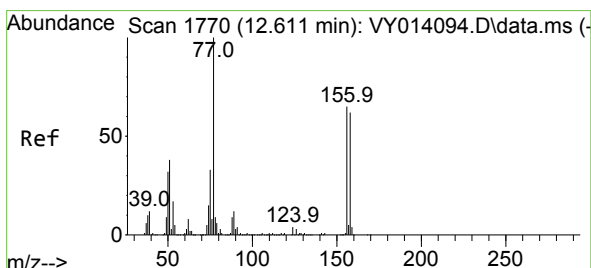
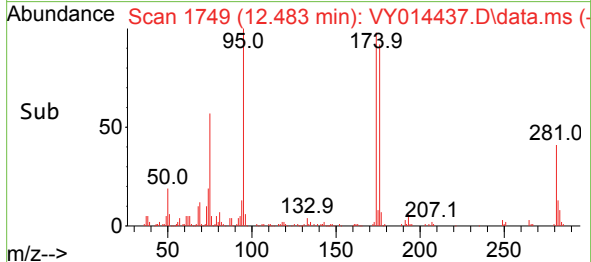
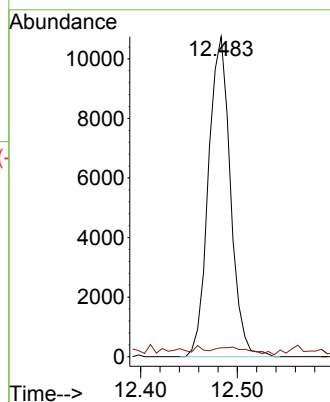
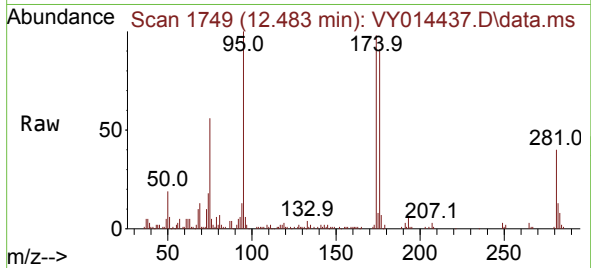




#76
1,2,3-Trichloropropane
Concen: 38.753 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

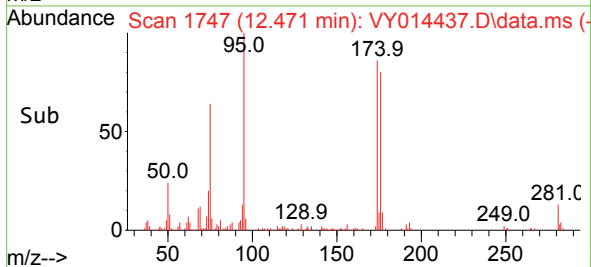
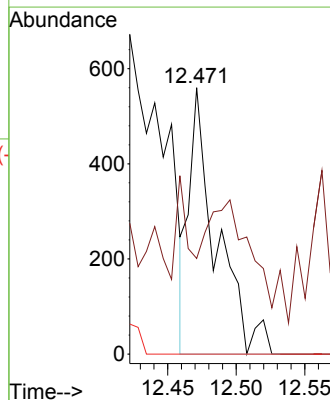
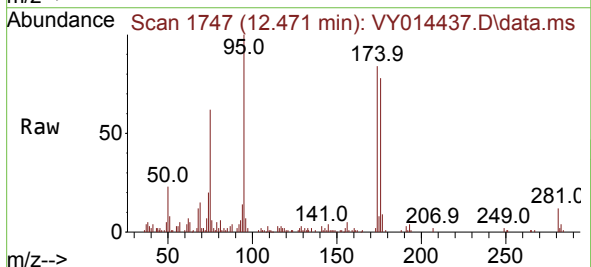
Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

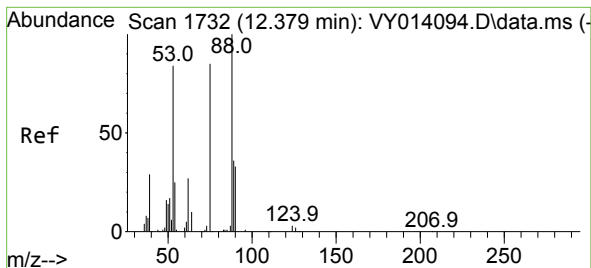
Tgt Ion: 75 Resp: 17012
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#77
Bromobenzene
Concen: 1.255 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.140 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion: 156 Resp: 769
Ion Ratio Lower Upper
156 100
77 15.6 92.8 278.6#
158 0.0 48.4 145.3#

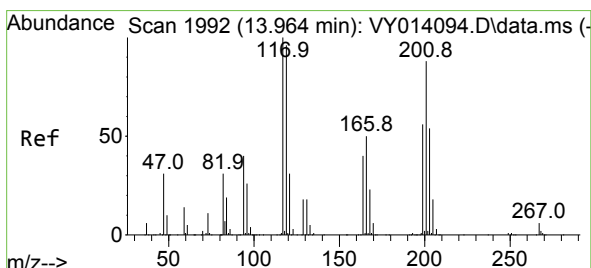
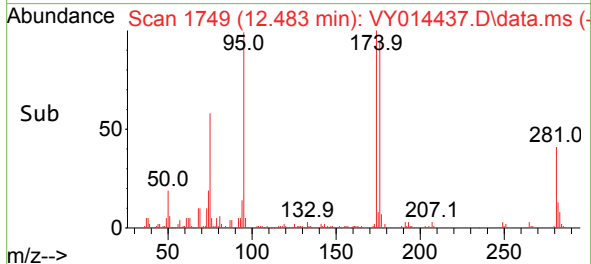
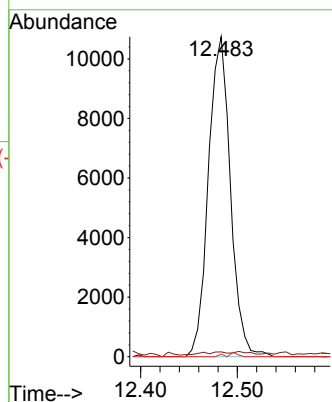
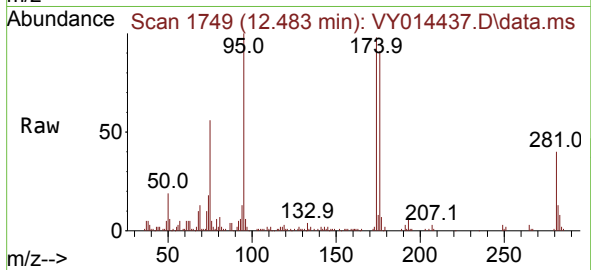




#81
trans-1,4-Dichloro-2-butene
Concen: 88.228 ug/l
RT: 12.483 min Scan# 1732
Delta R.T. 0.104 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Instrument :
MSVOA_Y
ClientSampleId :
OE-1-062323

Tgt Ion: 75 Resp: 17012
Ion Ratio Lower Upper
75 100
53 1.1 77.8 116.8#
89 0.6 37.4 56.0#



#90
Hexachloroethane
Concen: 1.886 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.007 min
Lab File: VY014437.D
Acq: 26 Jun 2023 16:27

Tgt Ion: 117 Resp: 785
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

