

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014471.D
 Acq On : 28 Jun 2023 11:30
 Operator : KP/MD
 Sample : VY0628SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0628SBL01

Quant Time: Jun 29 02:14:32 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)

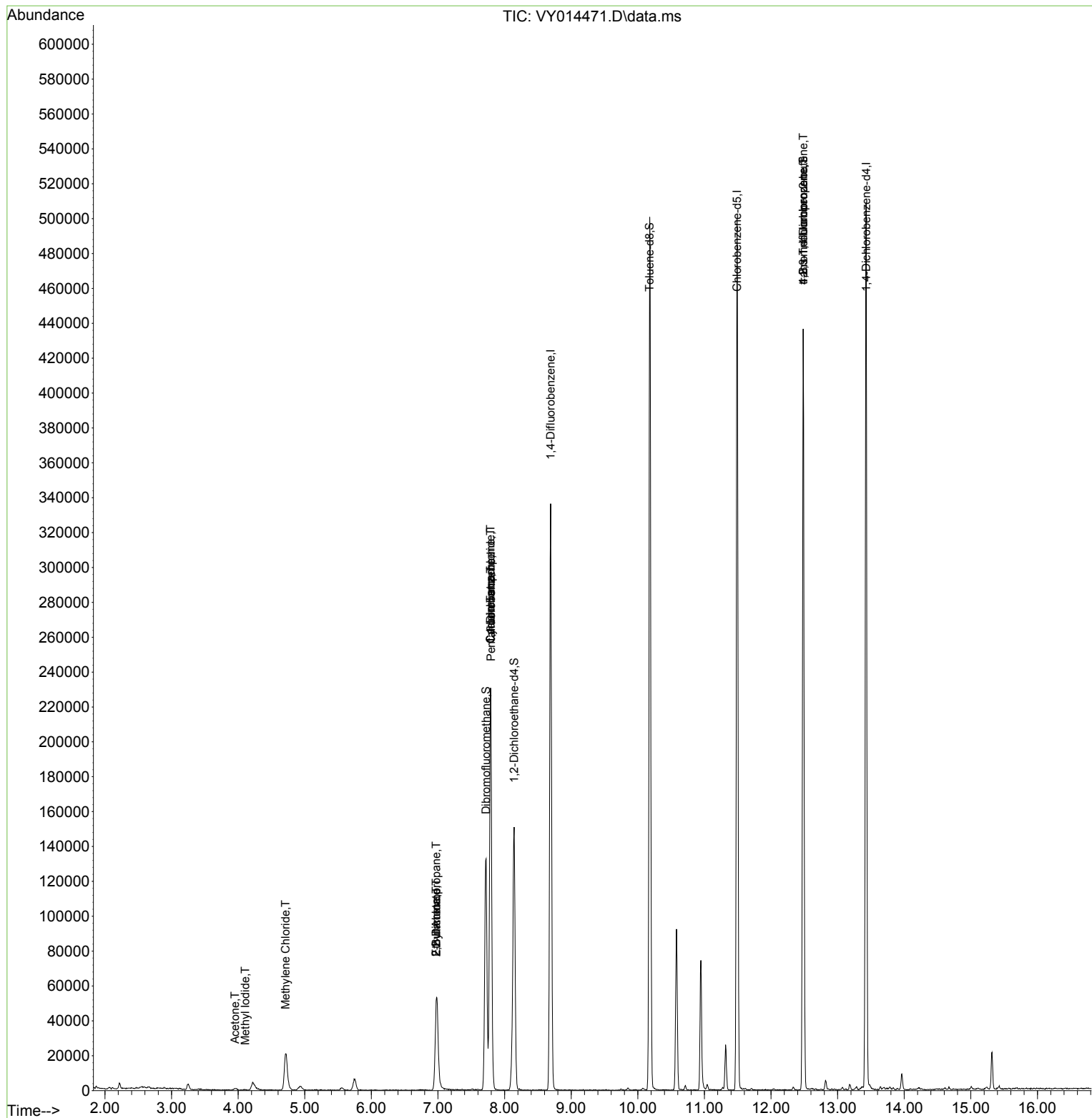
Internal Standards						
1) Pentafluorobenzene	7.795	168	179306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122221	54.900	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.800%			
35) Dibromofluoromethane	7.722	113	89375	51.480	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.960%			
50) Toluene-d8	10.179	98	331801	48.078	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.160%			
62) 4-Bromofluorobenzene	12.483	95	110827	44.983	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.960%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	301	3.004	ug/l #	52
11) Tert butyl alcohol	4.942	59	2678	Below Cal	#	89
16) Acetone	3.954	43	1198	1.710	ug/l	90
20) Methylene Chloride	4.710	84	15921	2.602	ug/l	92
25) 2-Butanone	6.972	43	3548	4.066	ug/l #	70
26) 2,2-Dichloropropane	6.972	77	3915	1.189	ug/l #	54
31) Cyclohexane	7.789	56	3718	1.352	ug/l #	44
36) 1,1-Dichloropropene	7.789	75	13379	5.001	ug/l #	50
37) Ethyl Acetate	6.972	43	3548	1.924	ug/l #	1
38) Carbon Tetrachloride	7.789	117	17805	5.289	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	62414	37.682	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62414	85.789	ug/l #	11

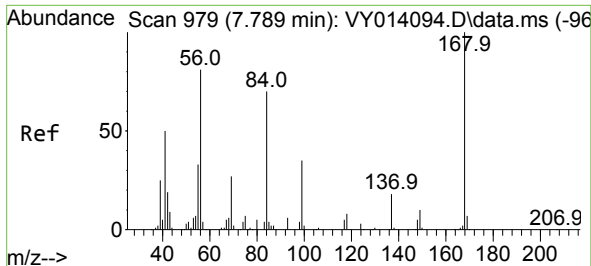
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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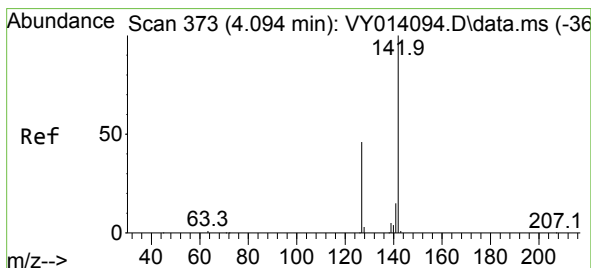
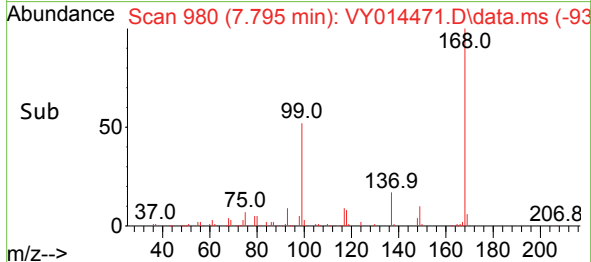
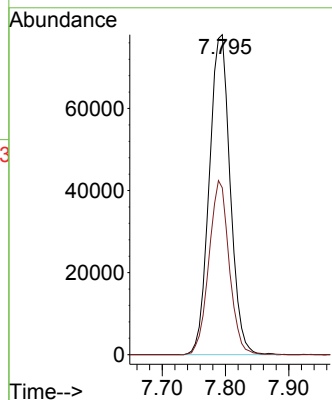
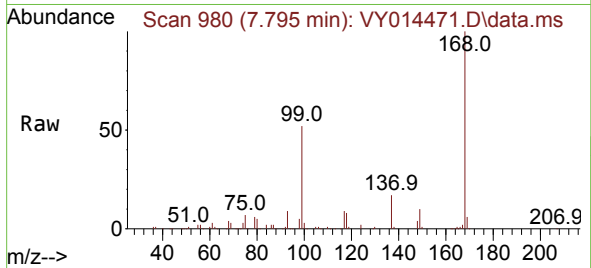




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

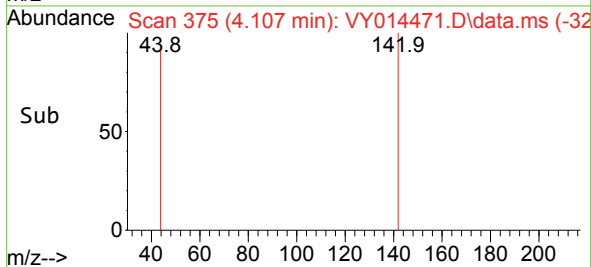
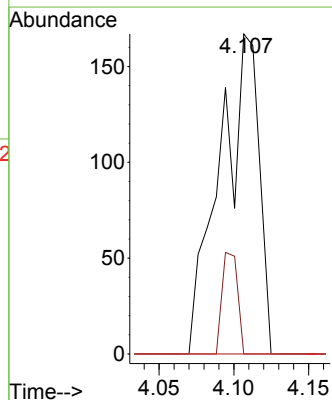
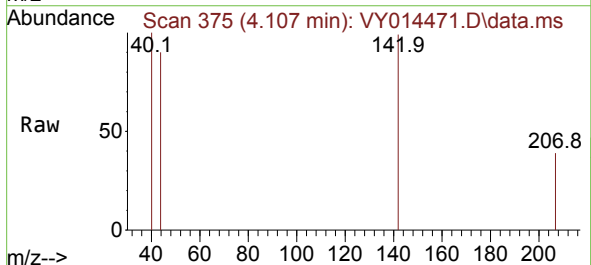
Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

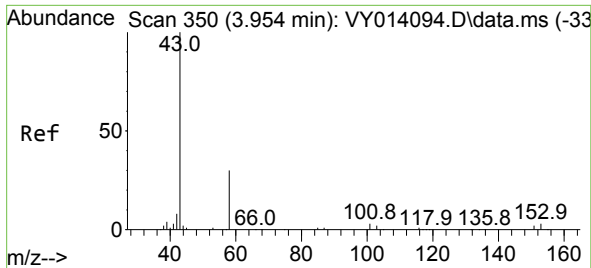
Tgt Ion:168 Resp: 179306
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#10
Methyl Iodide
Concen: 3.004 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion:142 Resp: 301
Ion Ratio Lower Upper
142 100
127 12.6 37.6 56.4#
141 0.0 11.8 17.8#

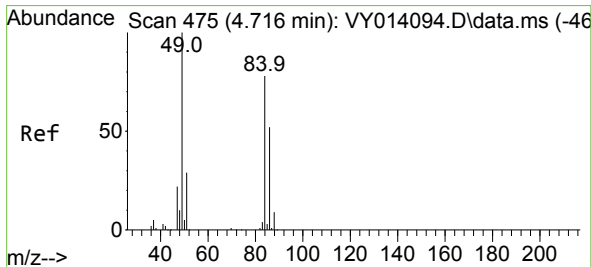
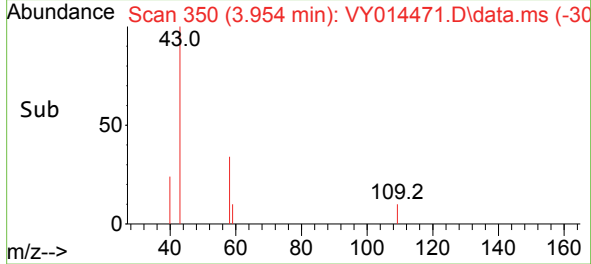
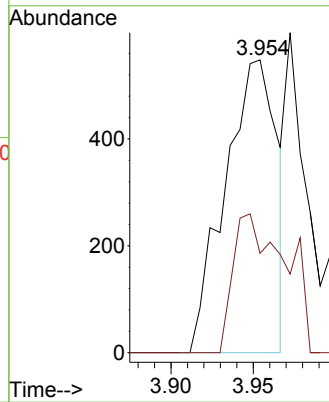
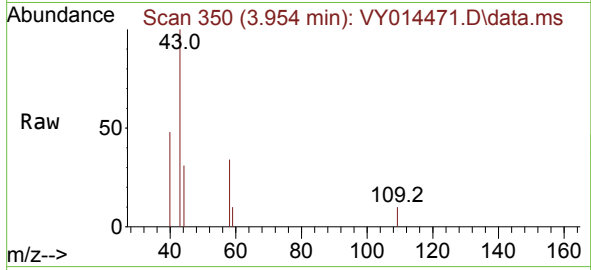




#16
Acetone
Concen: 1.710 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

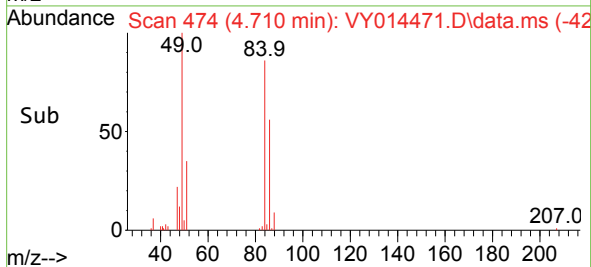
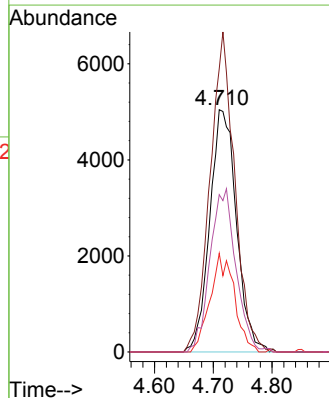
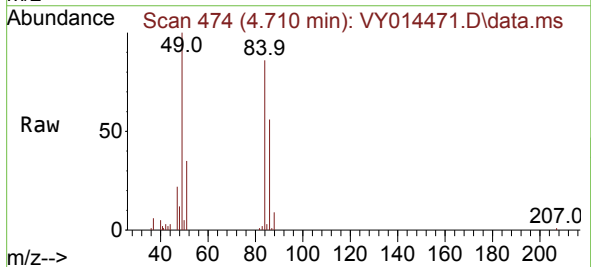
Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

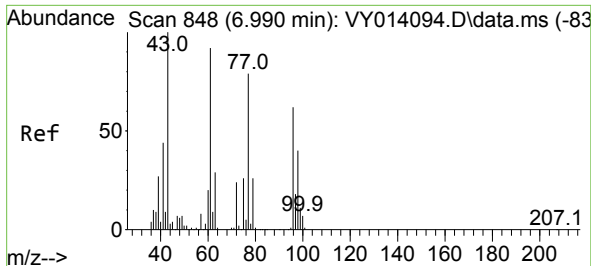
Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 33.9 22.7 34.1



#20
Methylene Chloride
Concen: 2.602 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion: 84 Resp: 15921
Ion Ratio Lower Upper
84 100
49 116.9 106.9 160.3
51 40.7 33.2 49.8
86 64.9 51.0 76.6

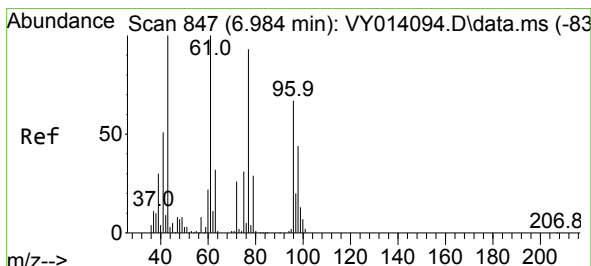
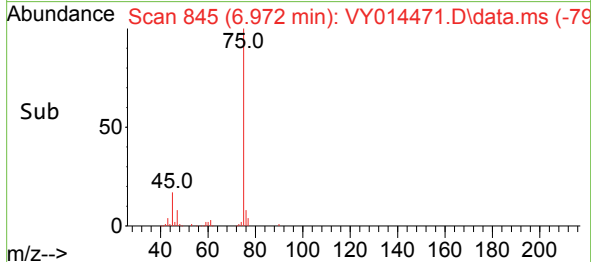
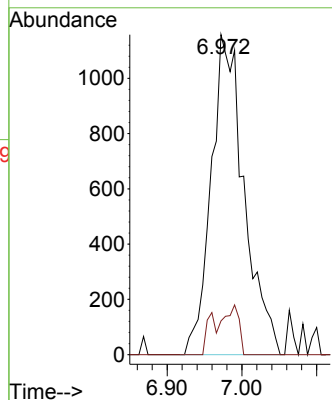
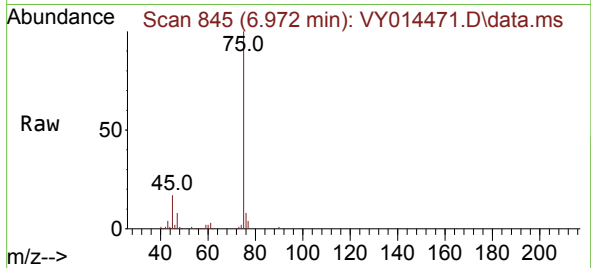




#25
2-Butanone
Concen: 4.066 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

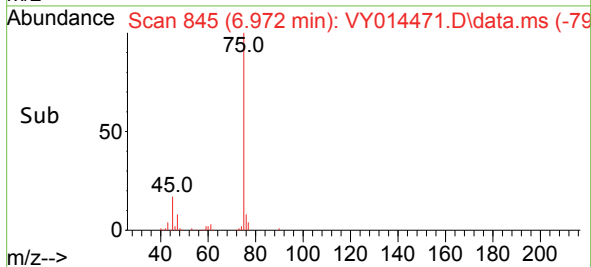
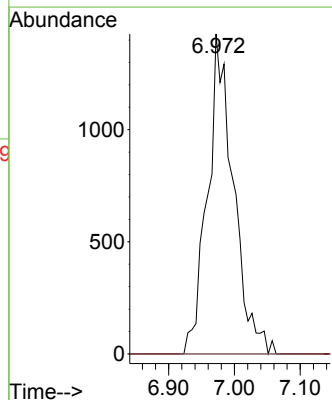
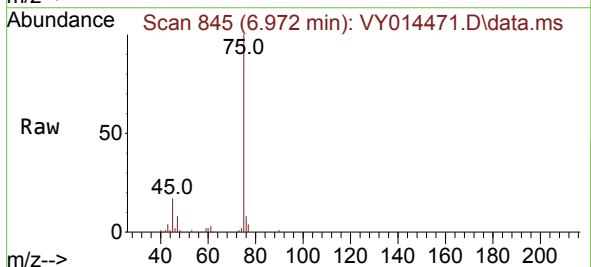
Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

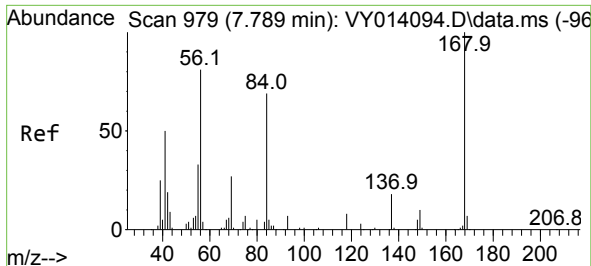
Tgt Ion: 43 Resp: 3548
Ion Ratio Lower Upper
43 100
72 10.5 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.189 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion: 77 Resp: 3915
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

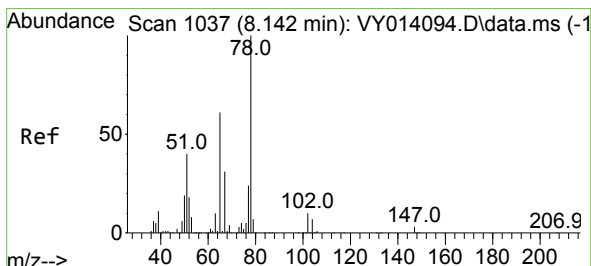
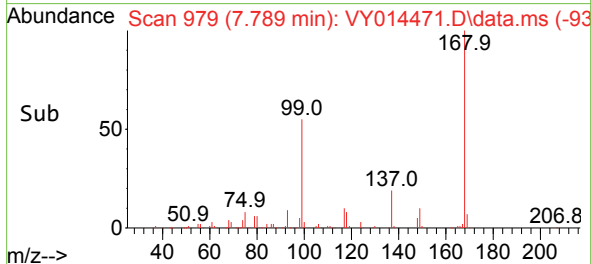
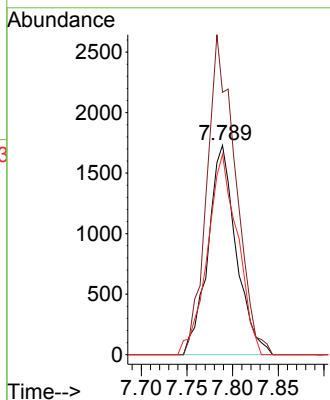
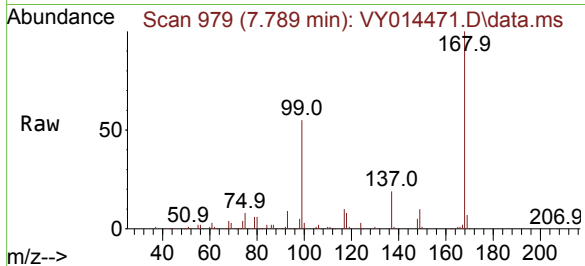




#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

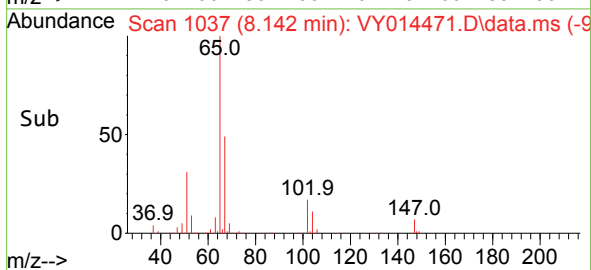
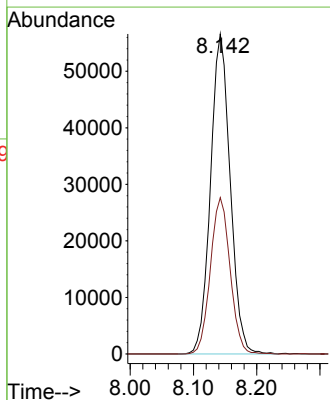
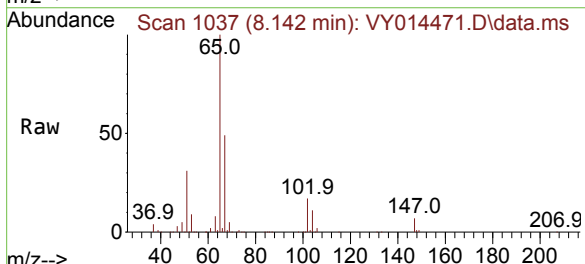
Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

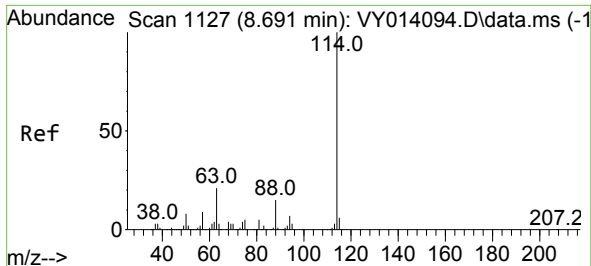
Tgt Ion: 56 Resp: 3718
Ion Ratio Lower Upper
56 100
69 125.2 27.8 41.6#
84 95.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.900 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion: 65 Resp: 122221
Ion Ratio Lower Upper
65 100
67 48.8 0.0 101.8

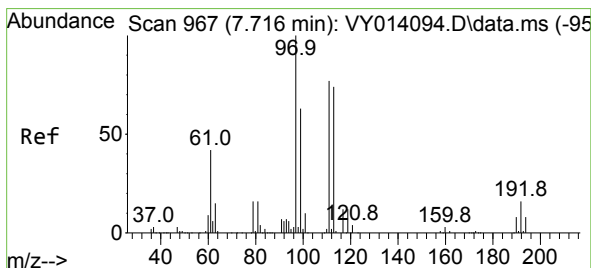
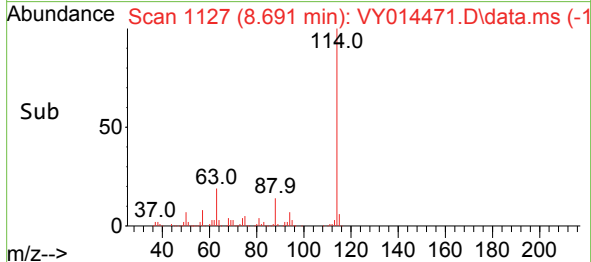
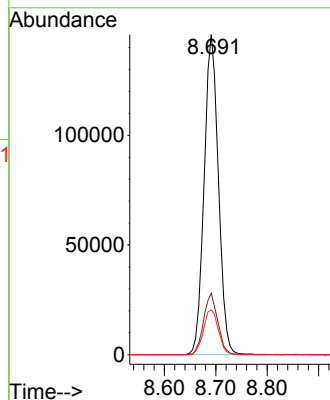
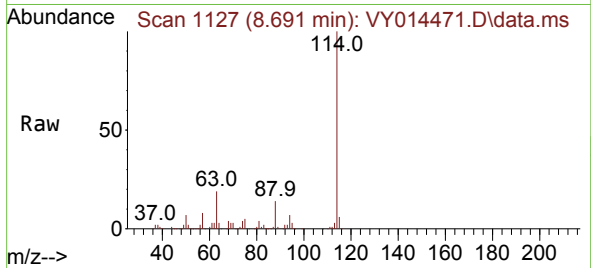




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

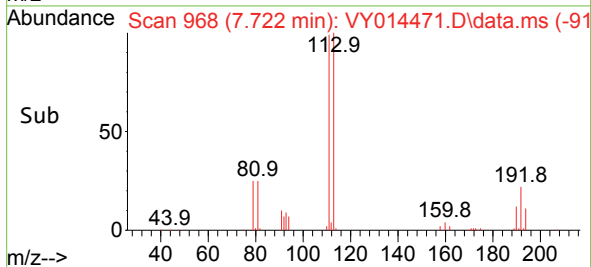
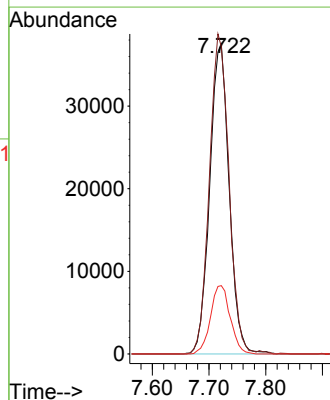
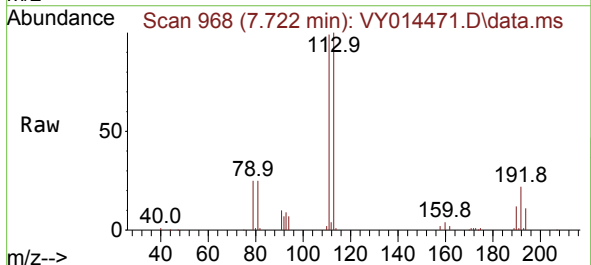
Instrument :
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ClientSampleId :
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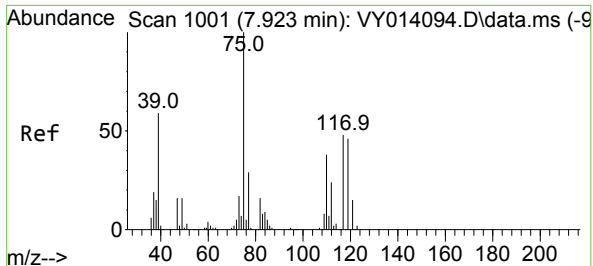
Tgt Ion:	114	Resp:	281005
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	42.4
88	13.9	0.0	30.6



#35
Dibromofluoromethane
Concen: 51.480 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion:	113	Resp:	89375
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.3	121.9
192	22.3	16.9	25.3





#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014471.D

Acq: 28 Jun 2023 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0628SBL01

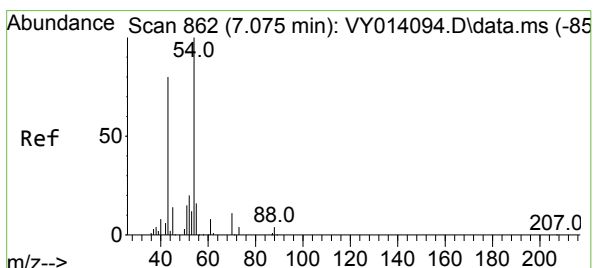
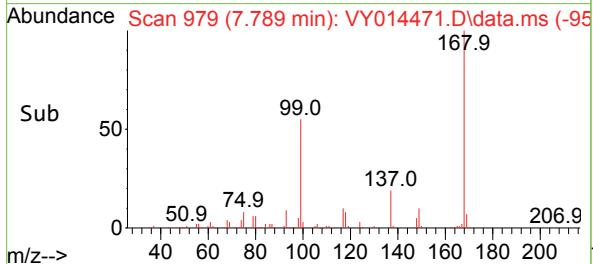
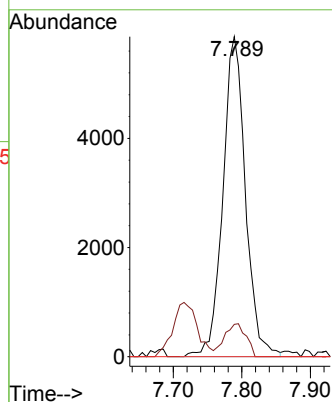
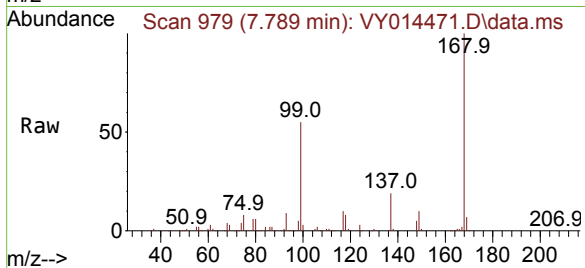
Tgt Ion: 75 Resp: 13379

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.924 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.103 min

Lab File: VY014471.D

Acq: 28 Jun 2023 11:30

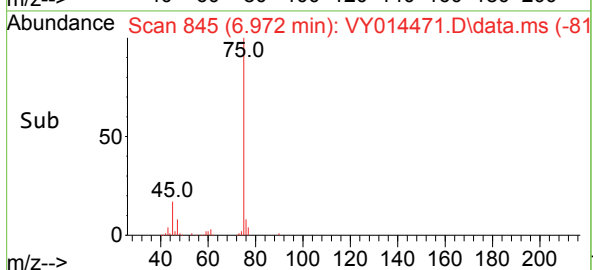
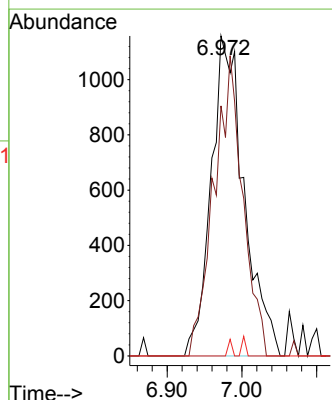
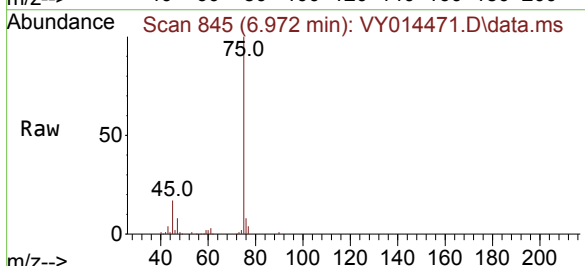
Tgt Ion: 43 Resp: 3548

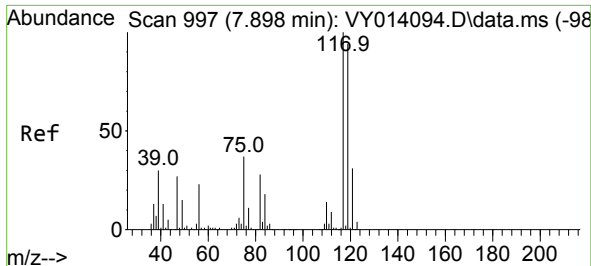
Ion Ratio Lower Upper

43 100

61 81.8 10.1 15.1#

70 0.6 7.1 10.7#

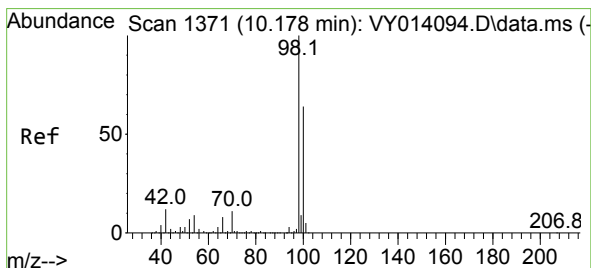
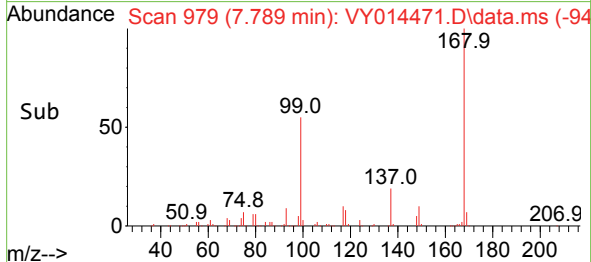
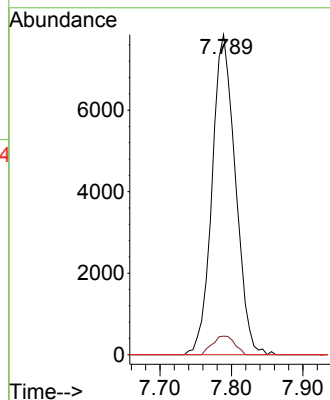
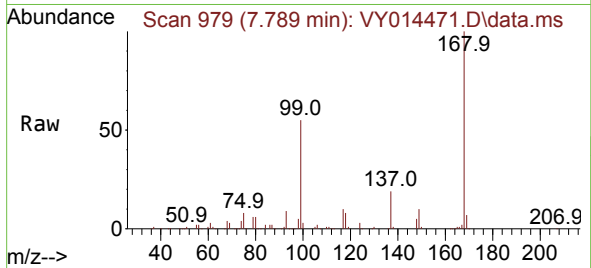




#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

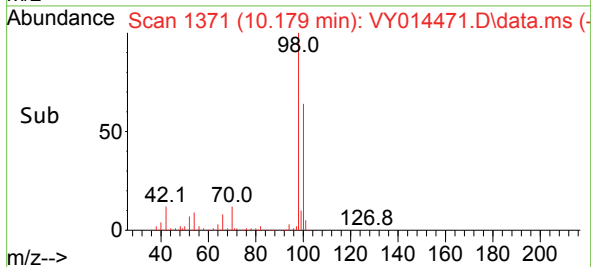
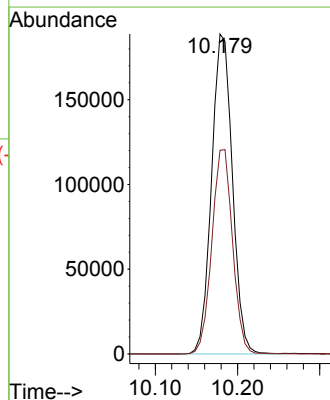
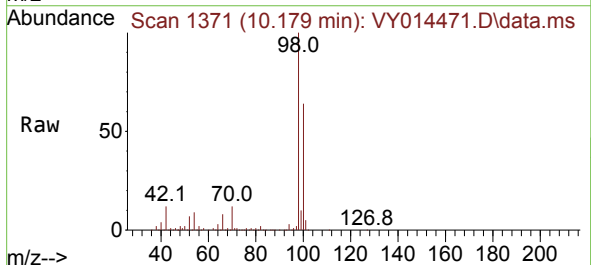
Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

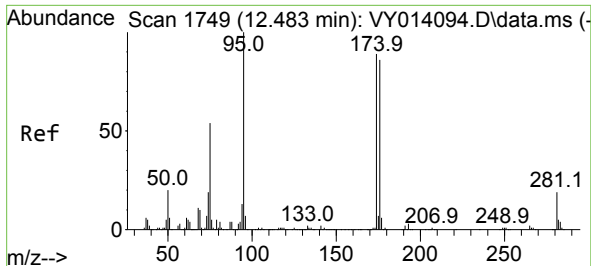
Tgt Ion:117 Resp: 17805
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.078 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion: 98 Resp: 331801
Ion Ratio Lower Upper
98 100
100 63.7 50.1 75.1

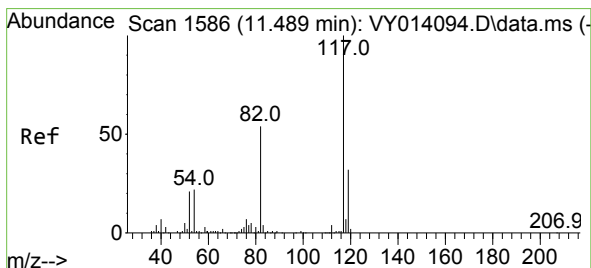
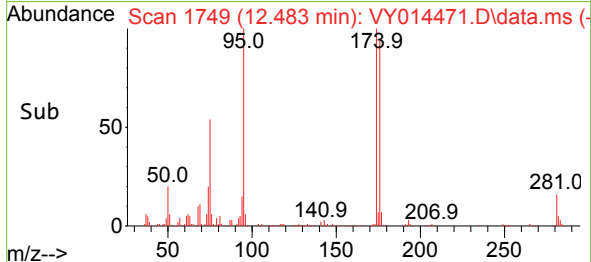
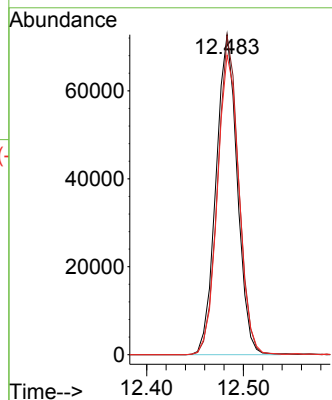
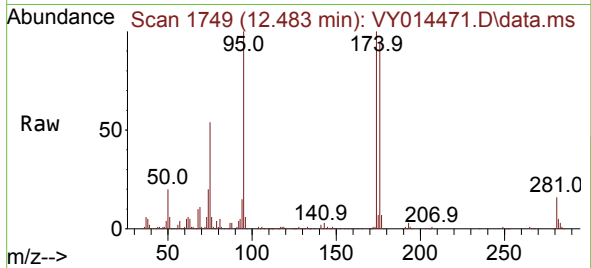




#62
4-Bromofluorobenzene
Concen: 44.983 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

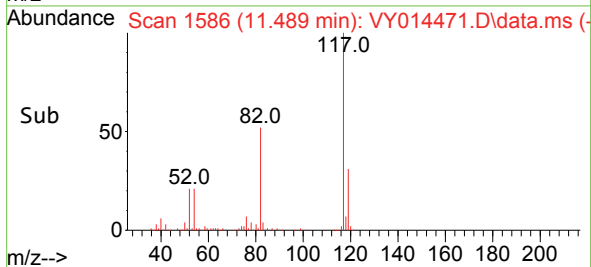
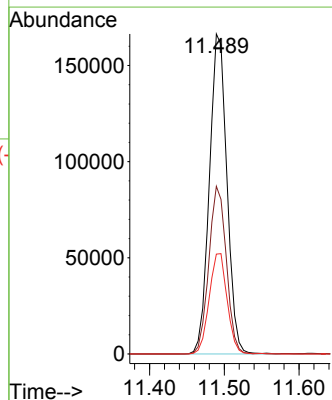
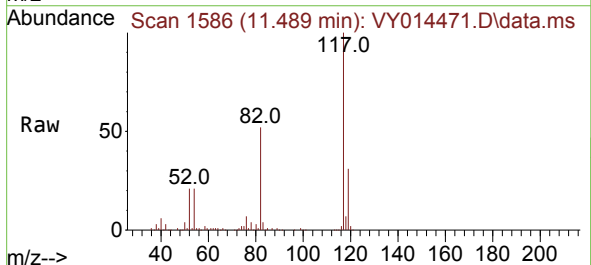
Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

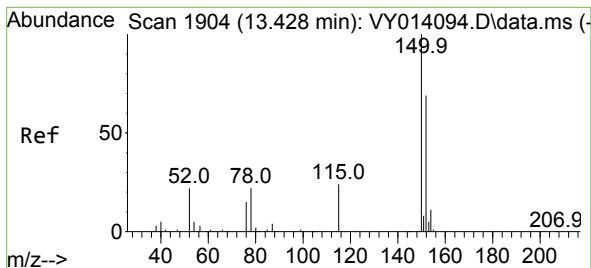
Tgt Ion: 95 Resp: 110827
Ion Ratio Lower Upper
95 100
174 98.7 0.0 178.2
176 95.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Tgt Ion: 117 Resp: 270632
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.2 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: VY014471.D

Acq: 28 Jun 2023 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VY0628SBL01

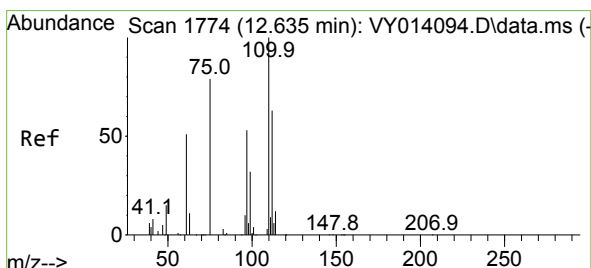
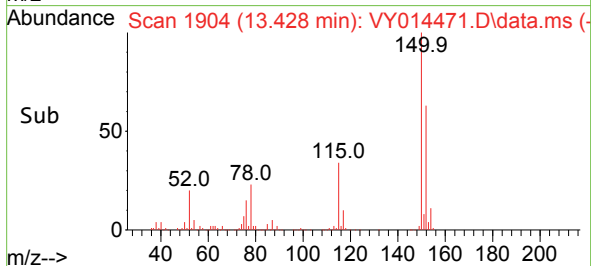
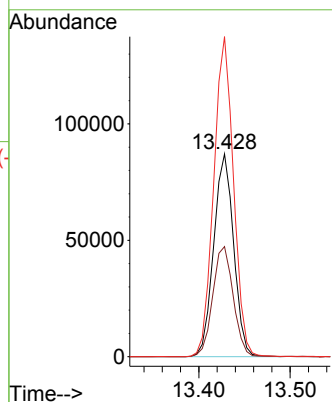
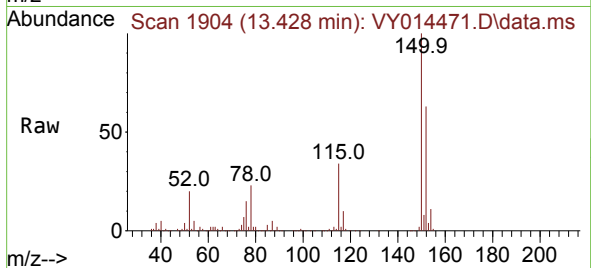
Tgt Ion:152 Resp: 132041

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 156.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.682 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014471.D

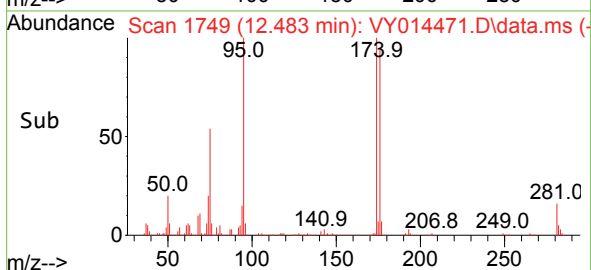
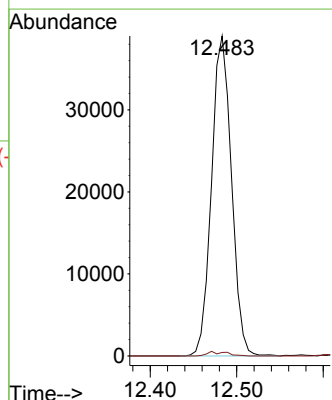
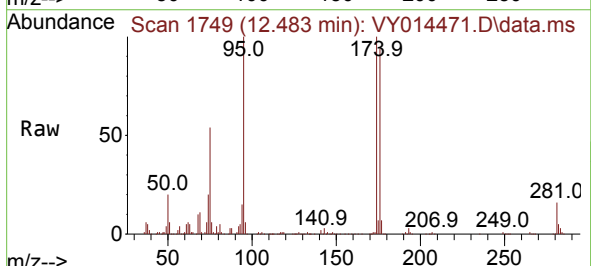
Acq: 28 Jun 2023 11:30

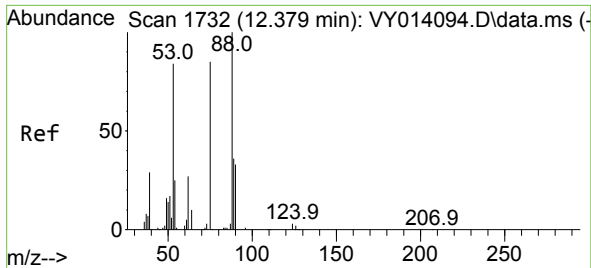
Tgt Ion: 75 Resp: 62414

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.789 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014471.D
Acq: 28 Jun 2023 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0628SBL01

Tgt Ion: 75 Resp: 62414
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

