

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014479.D
 Acq On : 28 Jun 2023 14:35
 Operator : KP/MD
 Sample : 03434-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2665

Quant Time: Jun 29 02:18:00 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)

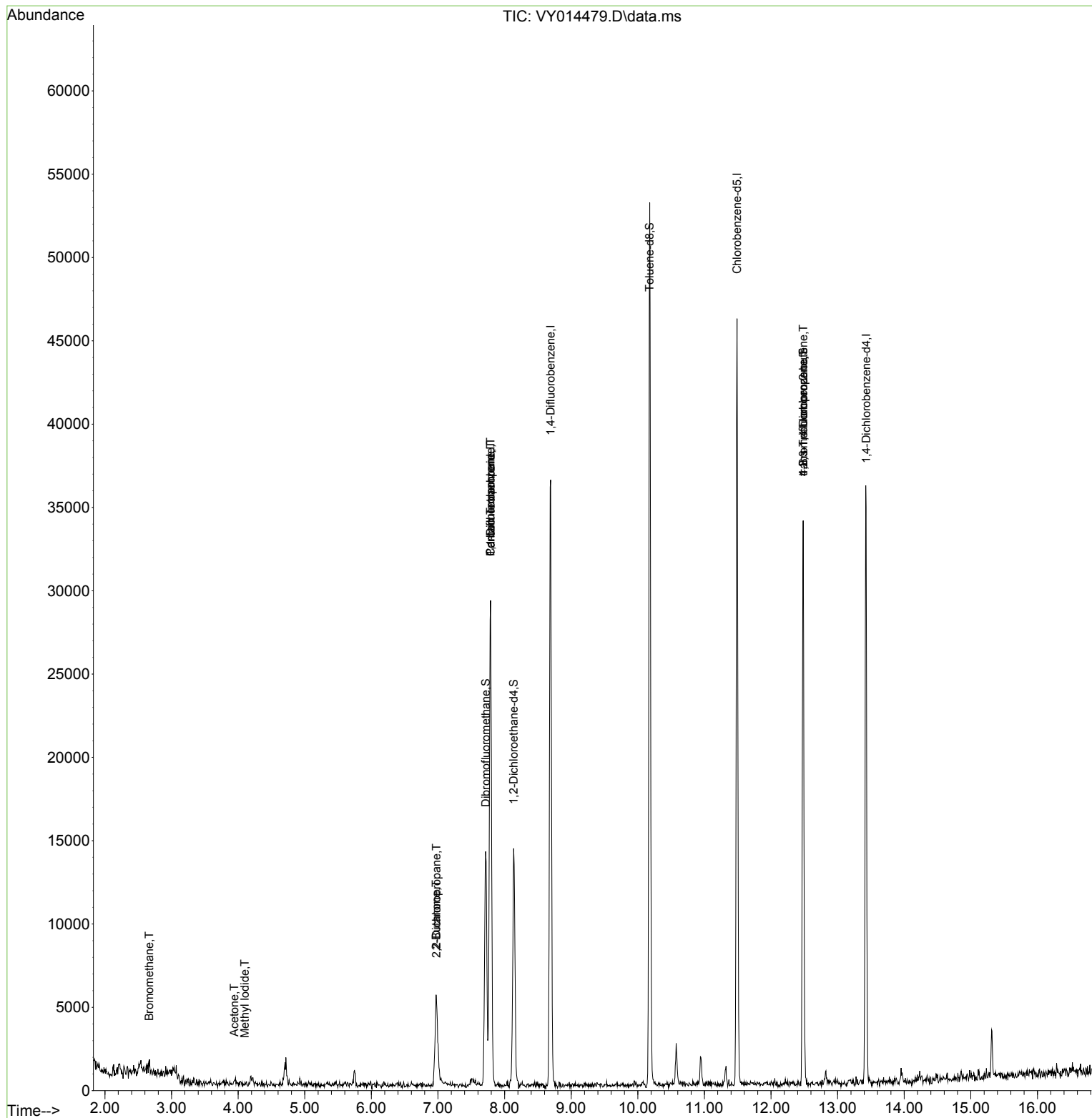
Internal Standards						
1) Pentafluorobenzene	7.789	168	23557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	31902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	25878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12089	41.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.660%
35) Dibromofluoromethane	7.716	113	9783	49.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.280%
50) Toluene-d8	10.179	98	36231	46.243	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.480%
62) 4-Bromofluorobenzene	12.483	95	8789	31.422	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.840%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	226	1.103	ug/l #	64
10) Methyl Iodide	4.101	142	129	3.297	ug/l #	38
11) Tert butyl alcohol	4.930	59	79	Below Cal	#	89
16) Acetone	3.942	43	534	5.802	ug/l #	46
20) Methylene Chloride	4.716	84	1180	Below Cal	#	58
25) 2-Butanone	6.972	43	275	2.399	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	449	1.038	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	1846	6.078	ug/l #	45
38) Carbon Tetrachloride	7.789	117	2293	5.999	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	4581	34.533	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4581	78.621	ug/l #	10

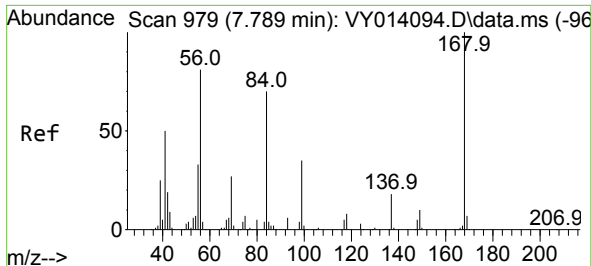
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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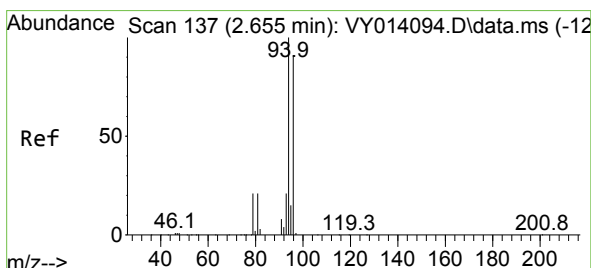
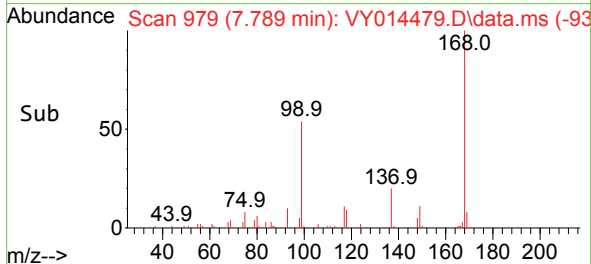
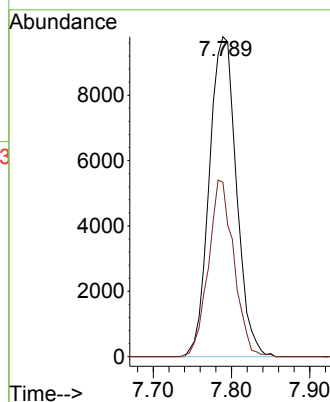
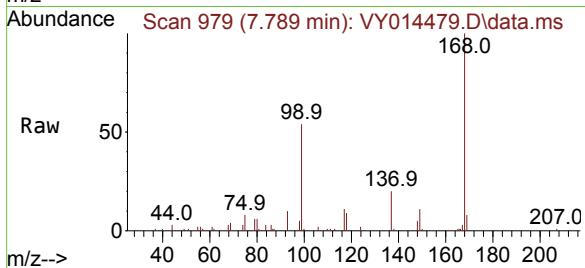




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

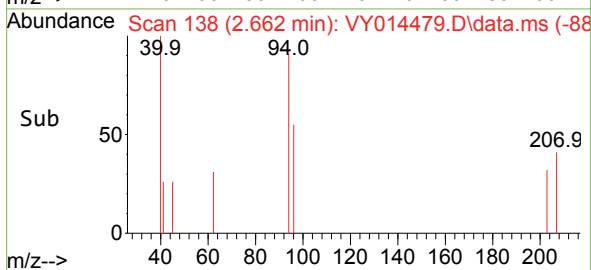
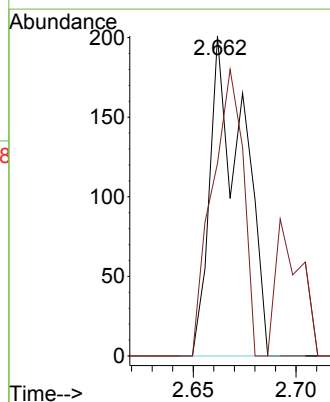
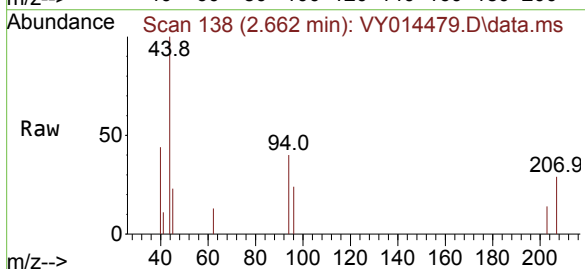
Instrument :
MSVOA_Y
ClientSampleId :
RT2665

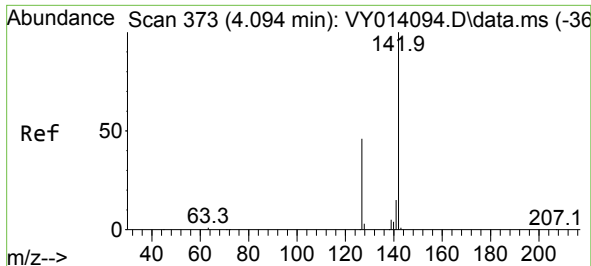
Tgt Ion:168 Resp: 23557
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#5
Bromomethane
Concen: 1.103 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.007 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 60.2 75.8 113.6#





#10

Methyl Iodide

Concen: 3.297 ug/l

RT: 4.101 min Scan# 31

Delta R.T. 0.007 min

Lab File: VY014479.D

Acq: 28 Jun 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

RT2665

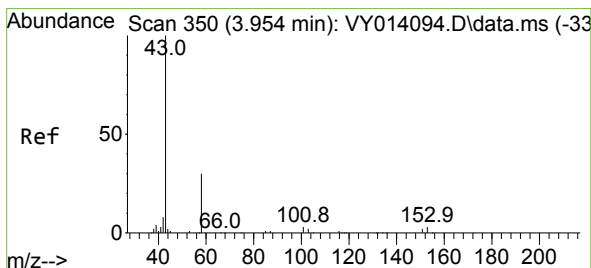
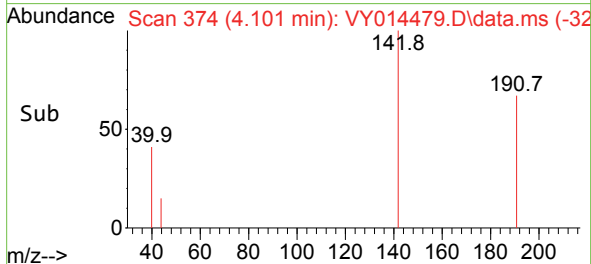
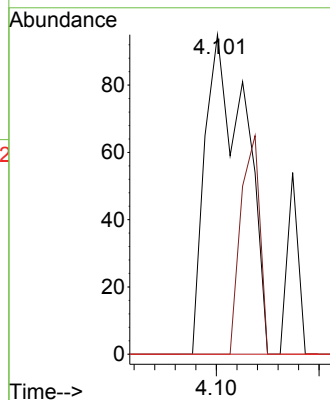
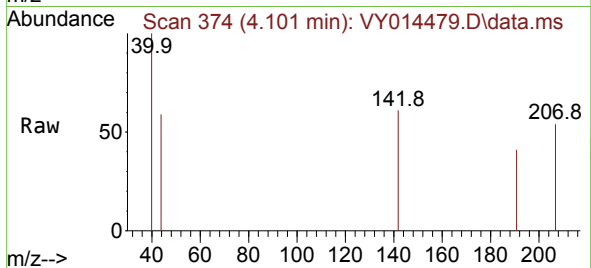
Tgt Ion:142 Resp: 129

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#16

Acetone

Concen: 5.802 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY014479.D

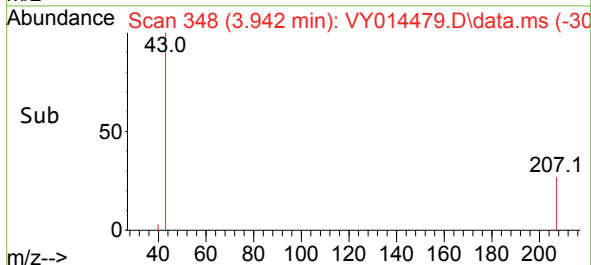
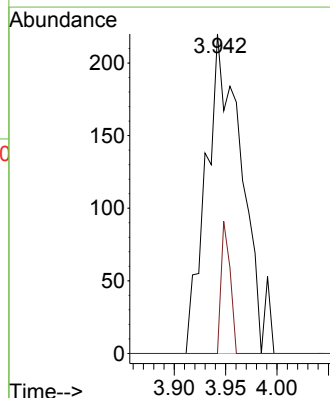
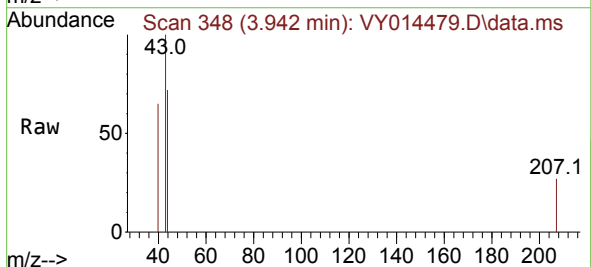
Acq: 28 Jun 2023 14:35

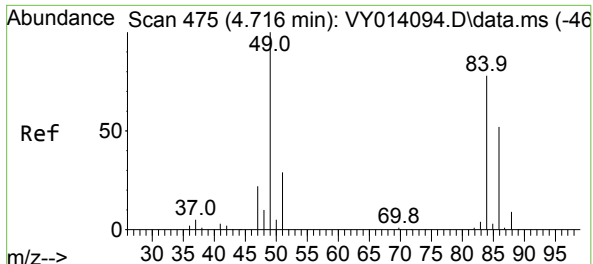
Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#

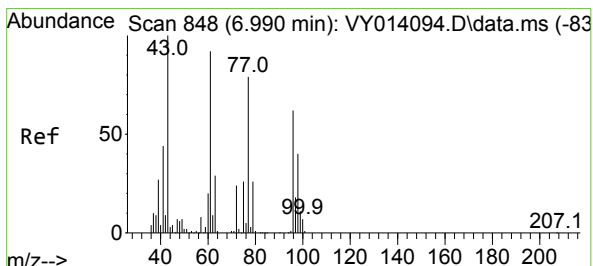
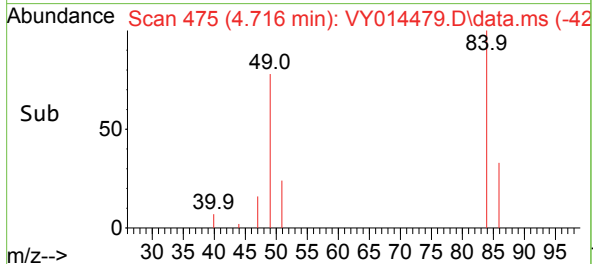
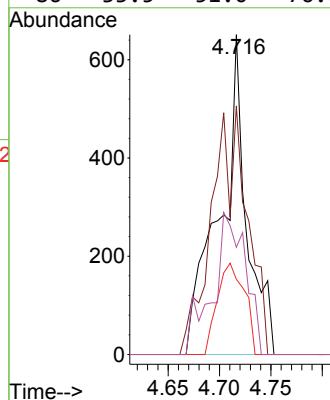
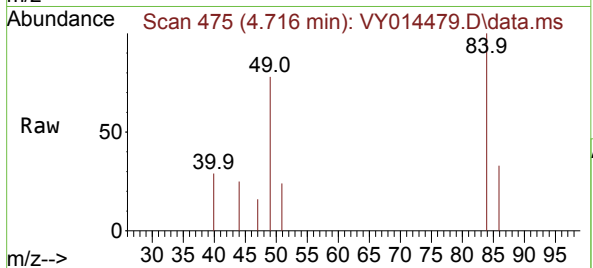




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

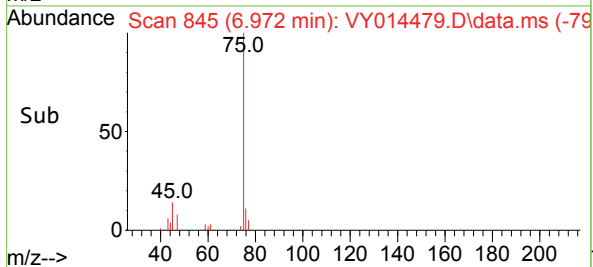
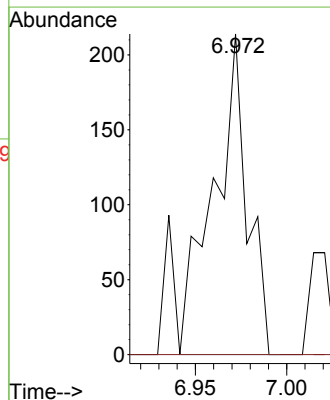
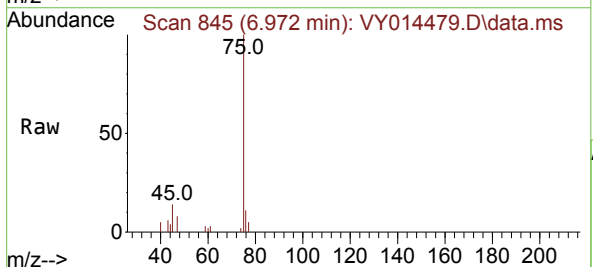
Instrument :
MSVOA_Y
ClientSampleId :
RT2665

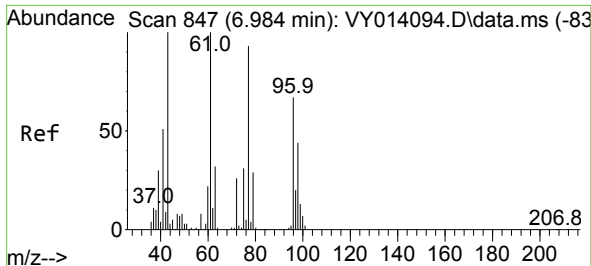
Tgt Ion:	84	Resp:	1180
Ion	Ratio	Lower	Upper
84	100		
49	77.7	106.9	160.3#
51	23.5	33.2	49.8#
86	33.5	51.0	76.6#



#25
2-Butanone
Concen: 2.399 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

Tgt Ion:	43	Resp:	275
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.038 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014479.D

Acq: 28 Jun 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

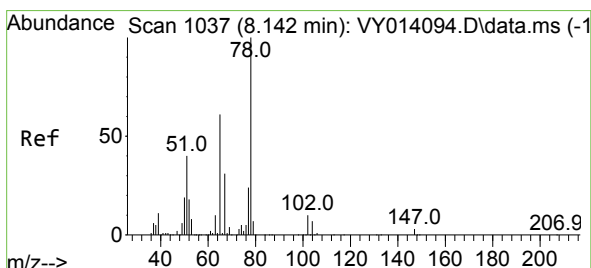
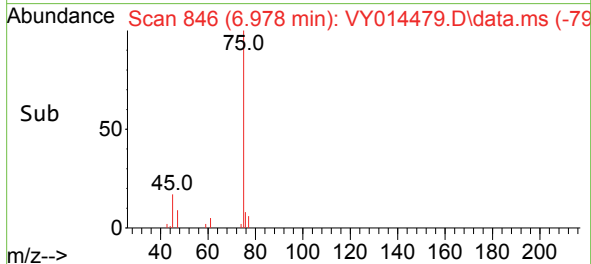
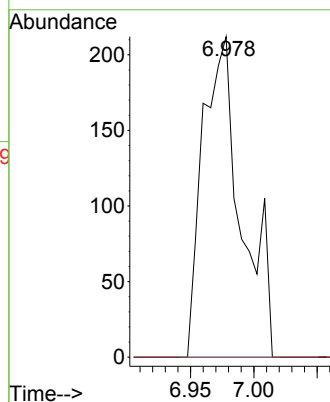
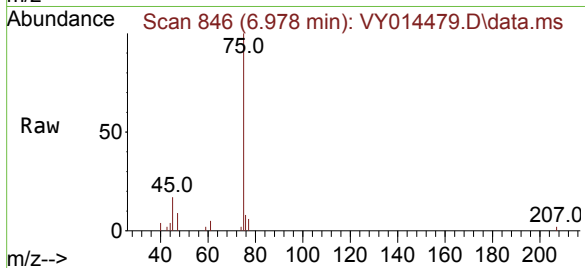
RT2665

Tgt Ion: 77 Resp: 449

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 41.333 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014479.D

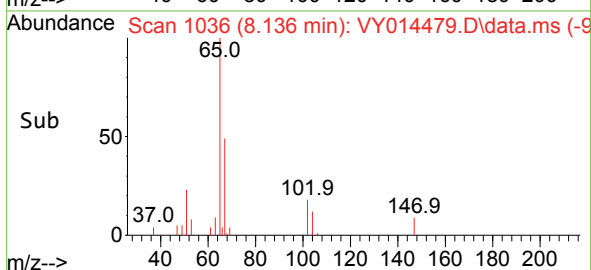
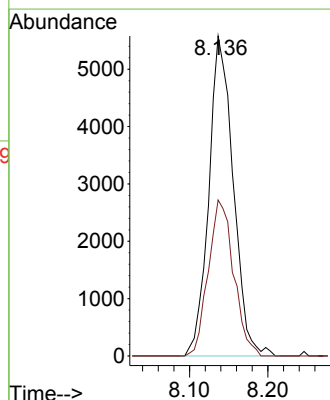
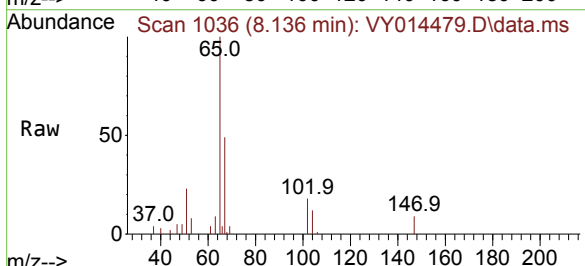
Acq: 28 Jun 2023 14:35

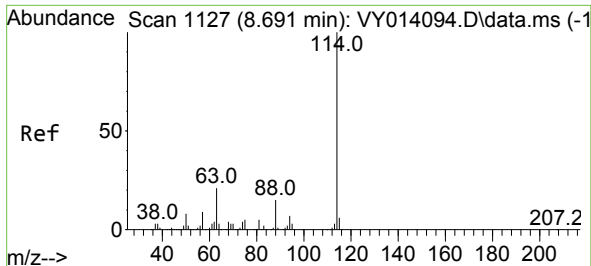
Tgt Ion: 65 Resp: 12089

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8

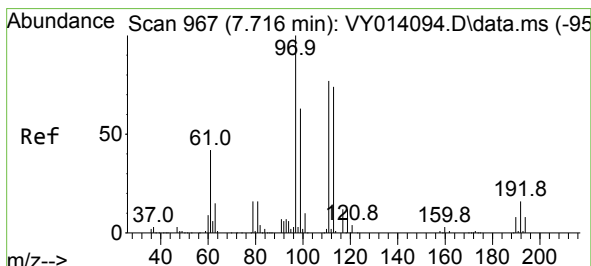
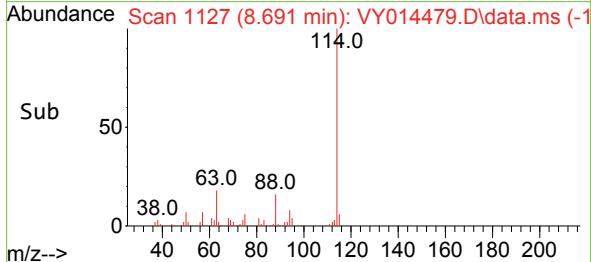
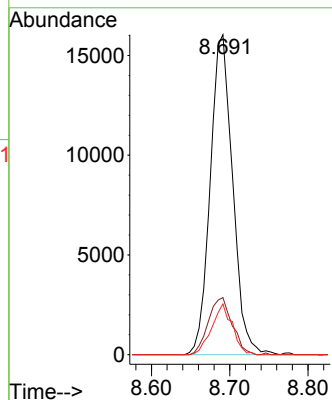
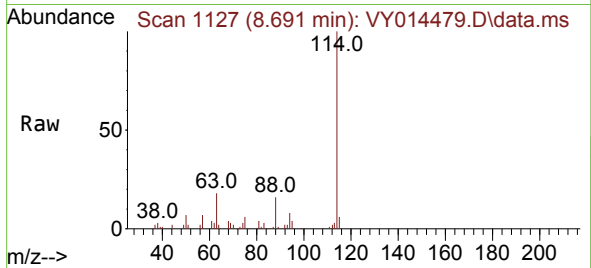




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

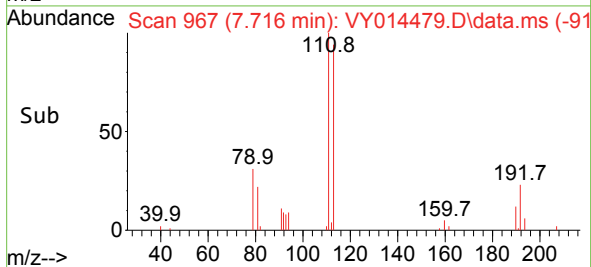
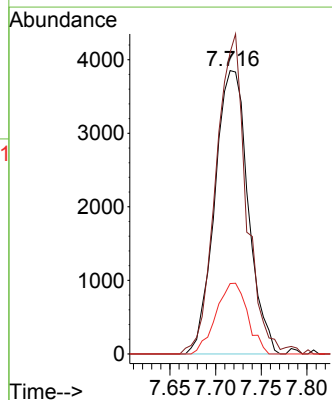
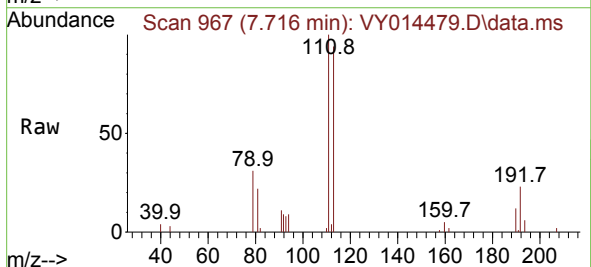
Instrument :
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RT2665

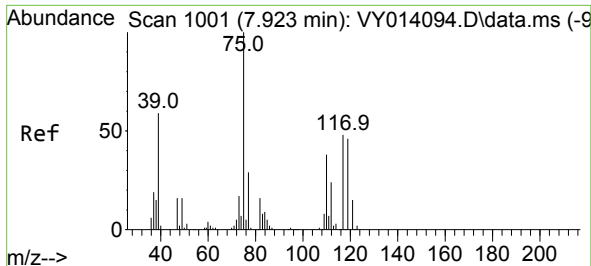
Tgt Ion:114	Resp:	31902
Ion Ratio	Lower	Upper
114	100	
63	17.8	0.0 42.4
88	15.9	0.0 30.6



#35
Dibromofluoromethane
Concen: 49.635 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

Tgt Ion:113	Resp:	9783
Ion Ratio	Lower	Upper
113	100	
111	103.3	81.3 121.9
192	23.6	16.9 25.3

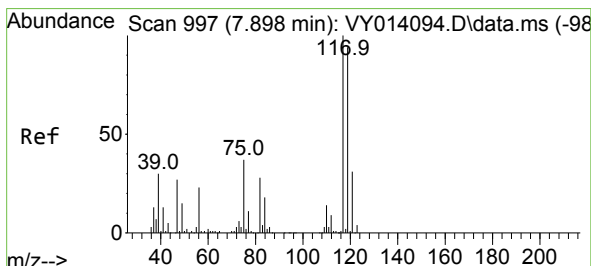
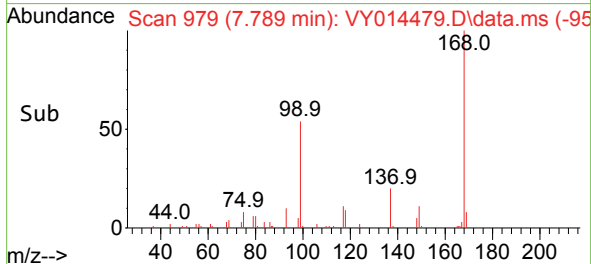
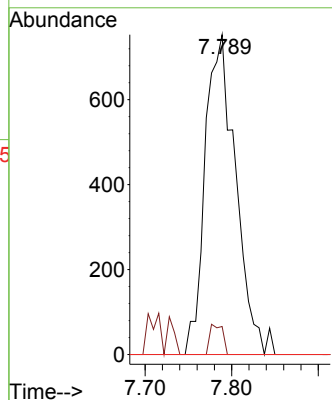
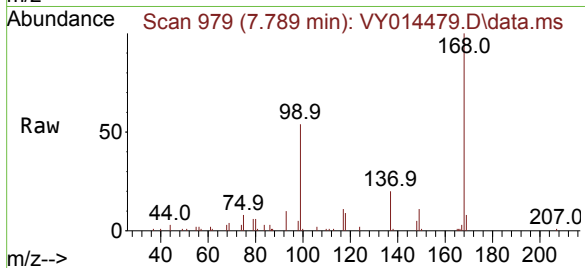




#36
1,1-Dichloropropene
Concen: 6.078 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

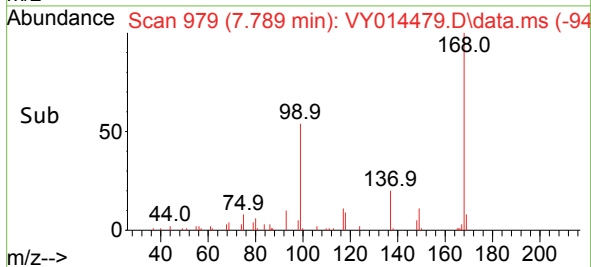
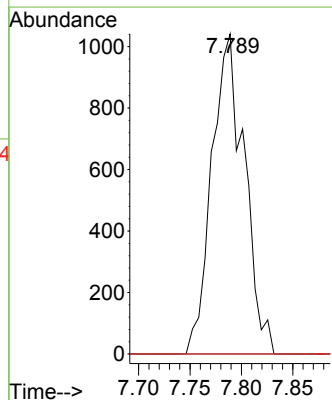
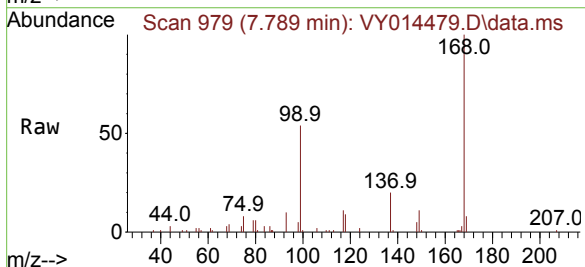
Instrument :
MSVOA_Y
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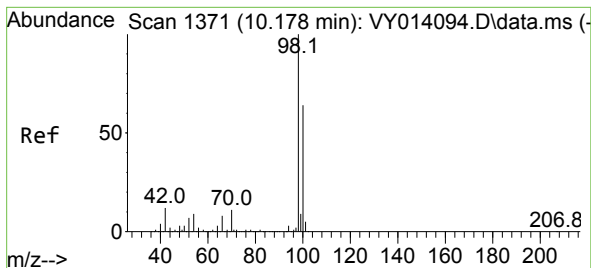
Tgt Ion: 75 Resp: 1846
Ion Ratio Lower Upper
75 100
110 4.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.999 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

Tgt Ion:117 Resp: 2293
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 46.243 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014479.D

Acq: 28 Jun 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

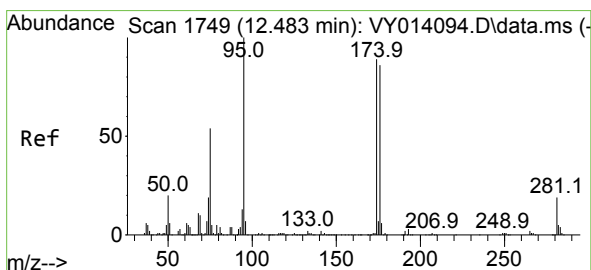
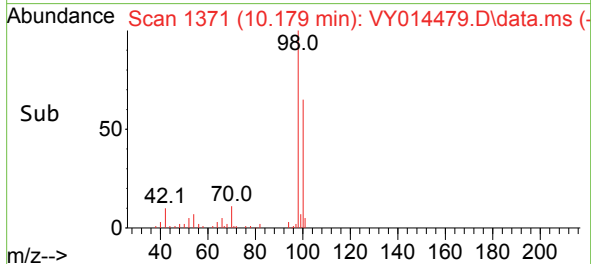
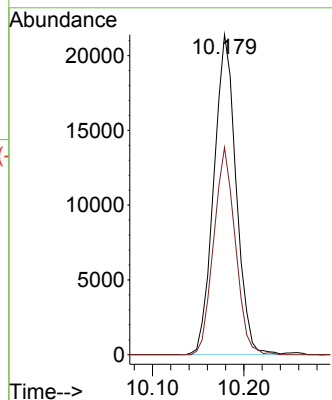
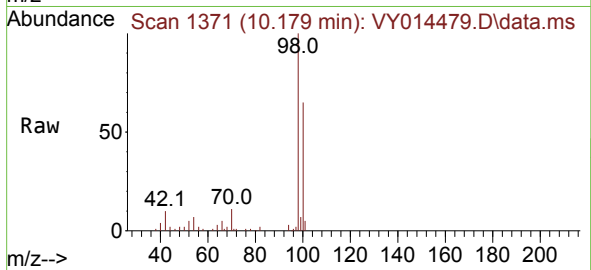
RT2665

Tgt Ion: 98 Resp: 36231

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 31.422 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014479.D

Acq: 28 Jun 2023 14:35

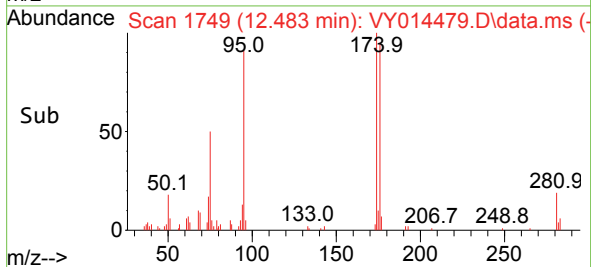
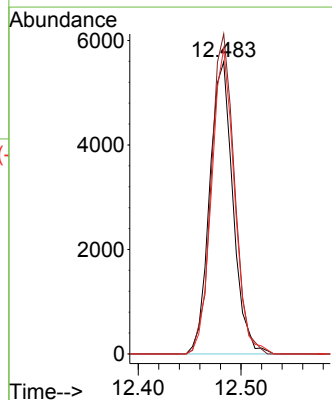
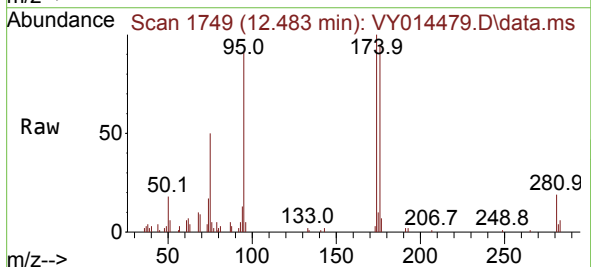
Tgt Ion: 95 Resp: 8789

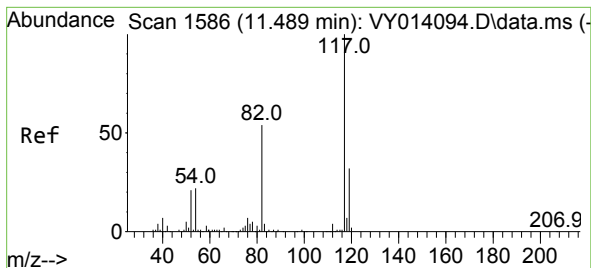
Ion Ratio Lower Upper

95 100

174 108.7 0.0 178.2

176 102.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014479.D

Acq: 28 Jun 2023 14:35

Instrument :

MSVOA_Y

ClientSampleId :

RT2665

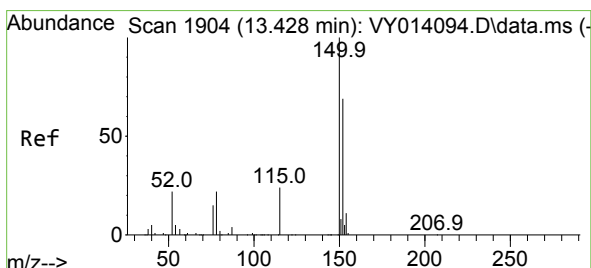
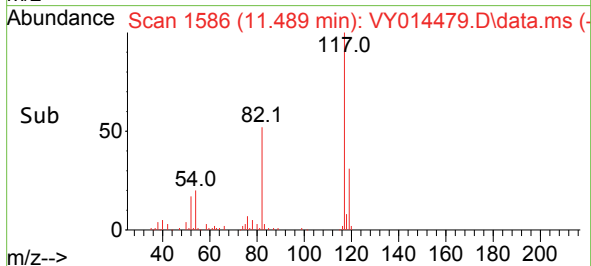
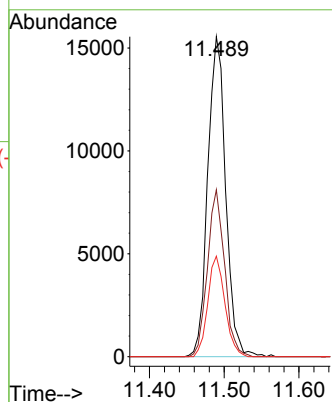
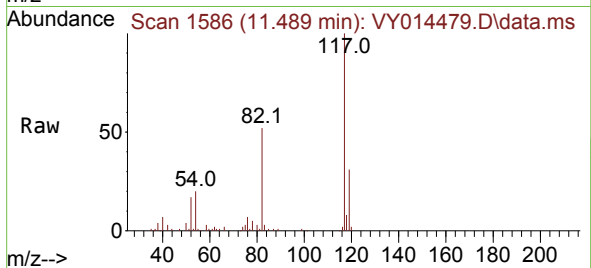
Tgt Ion:117 Resp: 25878

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.0

119 31.4 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: VY014479.D

Acq: 28 Jun 2023 14:35

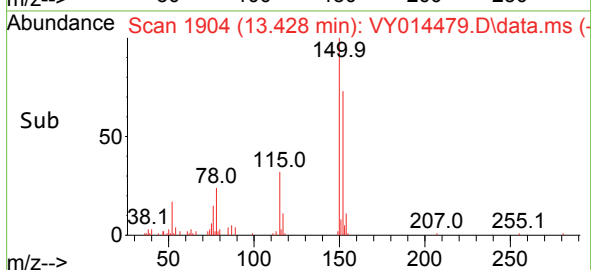
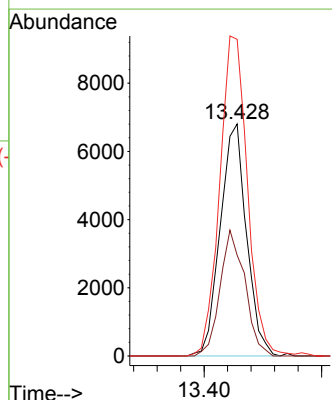
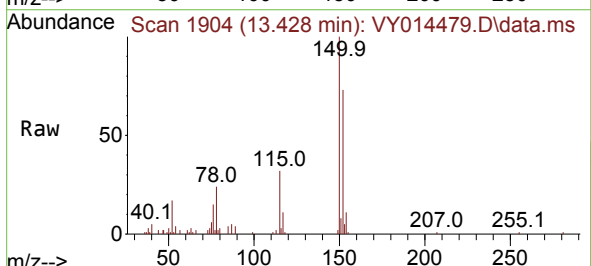
Tgt Ion:152 Resp: 10575

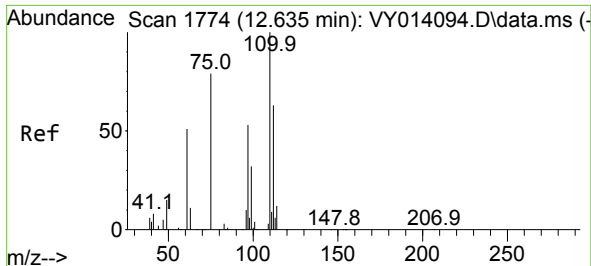
Ion Ratio Lower Upper

152 100

115 51.2 28.8 86.5

150 146.0 0.0 348.8

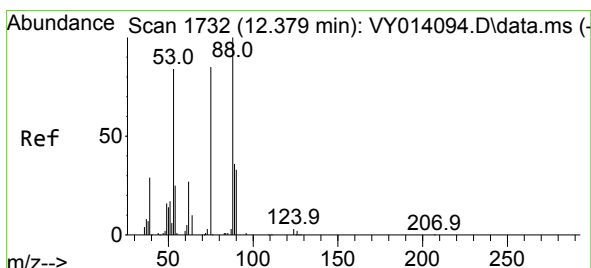
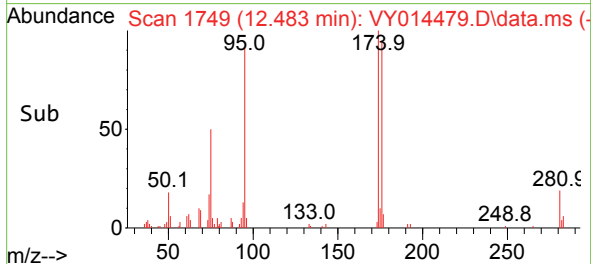
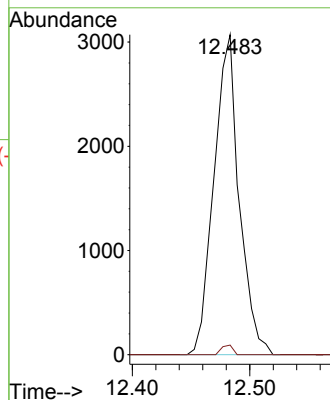
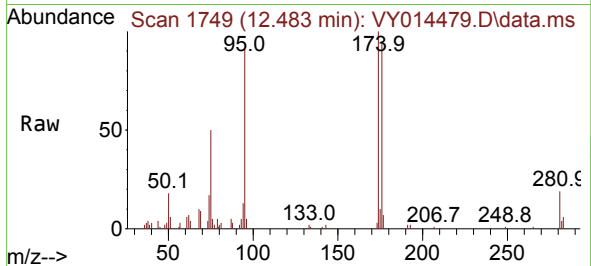




#76
1,2,3-Trichloropropane
Concen: 34.533 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RT2665

Tgt Ion: 75 Resp: 4581
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.621 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014479.D
Acq: 28 Jun 2023 14:35

Tgt Ion: 75 Resp: 4581
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

