

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014136.D
 Acq On : 13 Jun 2023 13:55
 Operator : KP/MD
 Sample : 03025-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC RE

Quant Time: Jun 14 01:34:40 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)

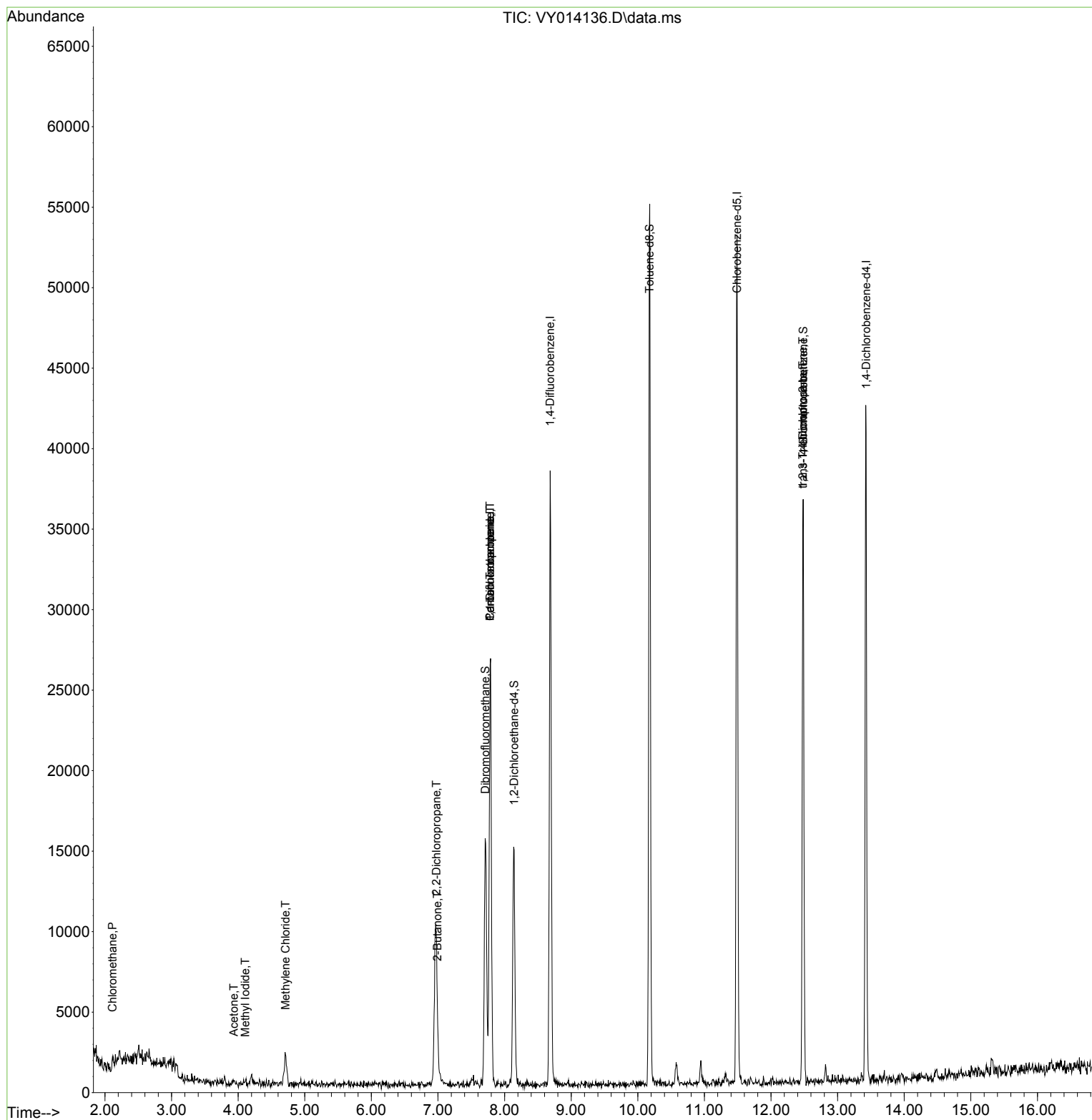
Internal Standards						
1) Pentafluorobenzene	7.783	168	20133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	31303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	29381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12347	44.041	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.080%		
35) Dibromofluoromethane	7.710	113	10897	49.087	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.180%		
50) Toluene-d8	10.179	98	37303	44.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.900%		
62) 4-Bromofluorobenzene	12.483	95	10817	36.690	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.380%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	399	1.402	ug/l #	76
10) Methyl Iodide	4.107	142	342	1.142	ug/l #	84
11) Tert butyl alcohol	4.942	59	79	Below Cal	#	89
13) Acrolein	3.552	56	18	Below Cal	#	14
16) Acetone	3.936	43	253	2.994	ug/l #	46
20) Methylene Chloride	4.710	84	1501	2.131	ug/l #	74
25) 2-Butanone	6.990	43	162	1.557	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	919	2.127	ug/l #	54
36) 1,1-Dichloropropene	7.783	75	1443	4.169	ug/l #	45
38) Carbon Tetrachloride	7.783	117	2180	5.458	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	5428	36.118	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5428	78.072	ug/l #	10

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

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Quant Title : SW846 8260
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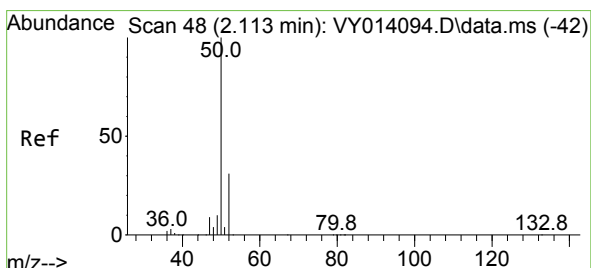
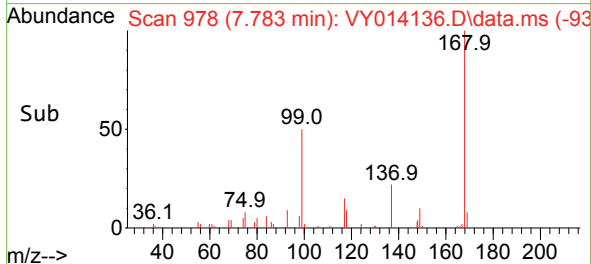
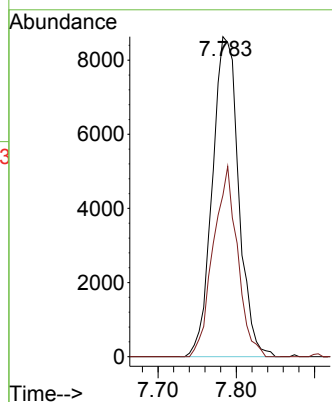
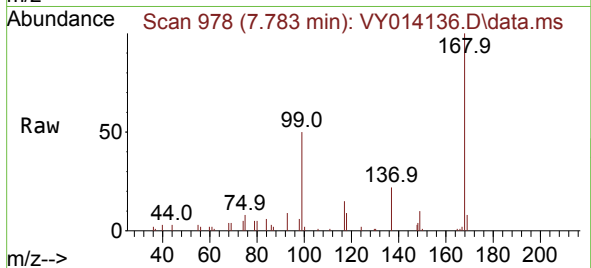




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

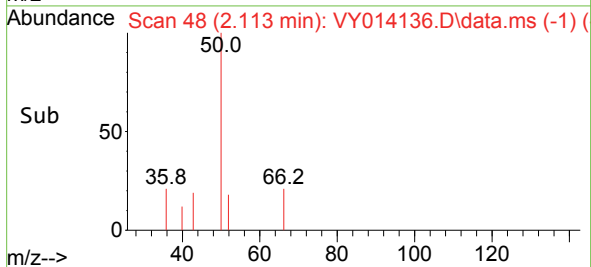
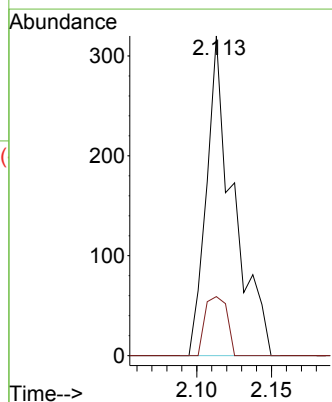
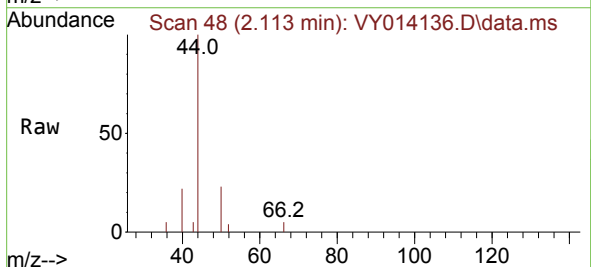
Instrument :
MSVOA_Y
ClientSampleId :
VOC RE

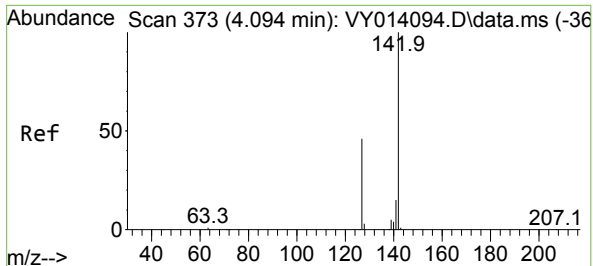
Tgt Ion:168 Resp: 20133
Ion Ratio Lower Upper
168 100
99 50.4 43.4 65.0



#3
Chloromethane
Concen: 1.402 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 18.4 25.4 38.2#





#10

Methyl Iodide

Concen: 1.142 ug/l

RT: 4.107 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY014136.D

Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VOC RE

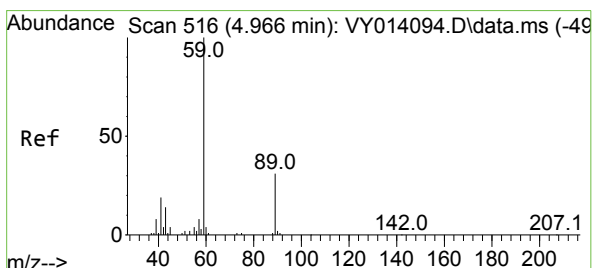
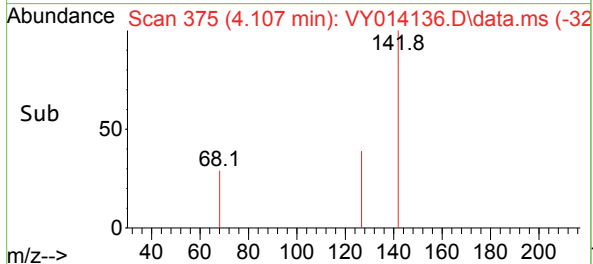
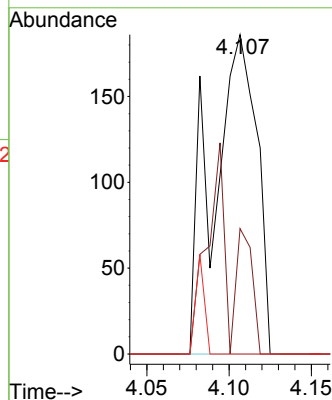
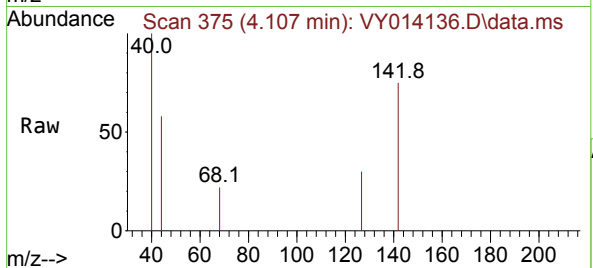
Tgt Ion:142 Resp: 342

Ion Ratio Lower Upper

142 100

127 40.6 37.6 56.4

141 0.0 11.8 17.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 512

Delta R.T. -0.024 min

Lab File: VY014136.D

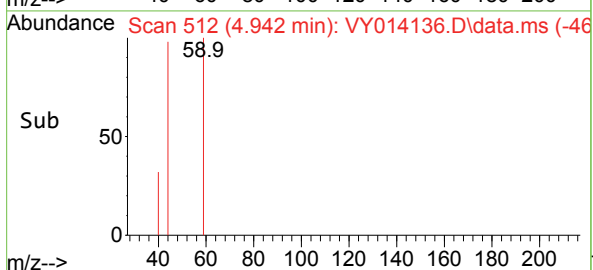
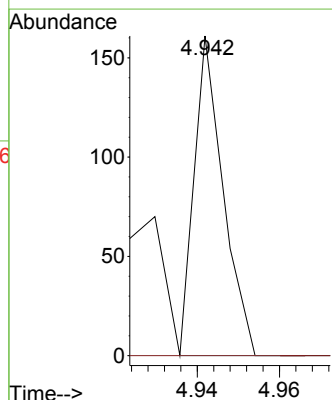
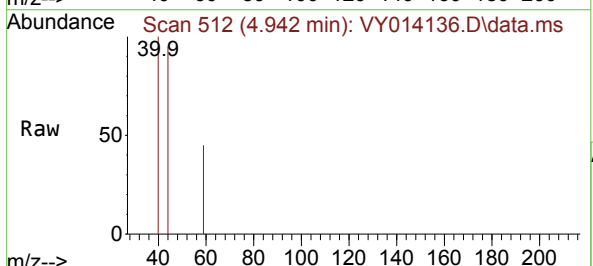
Acq: 13 Jun 2023 13:55

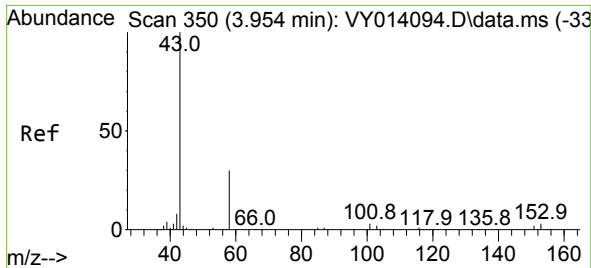
Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

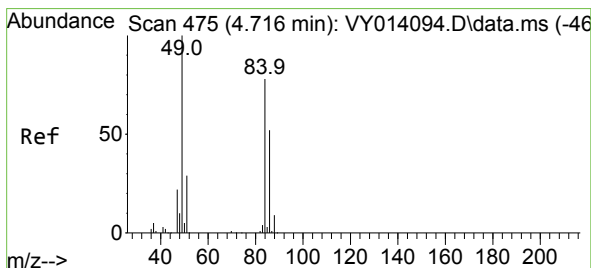
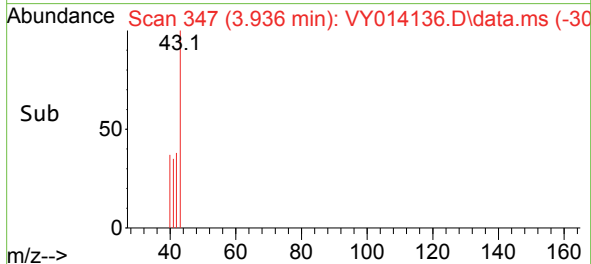
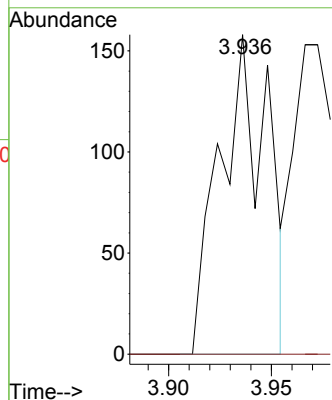
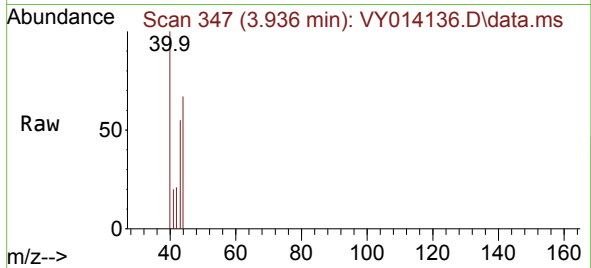




#16
Acetone
Concen: 2.994 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

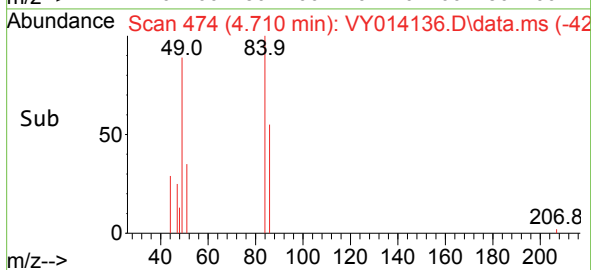
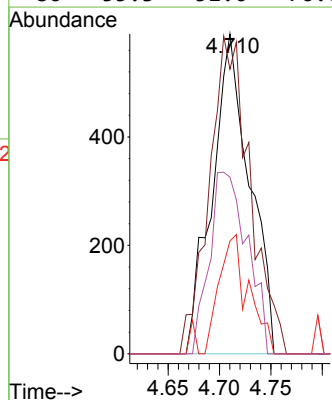
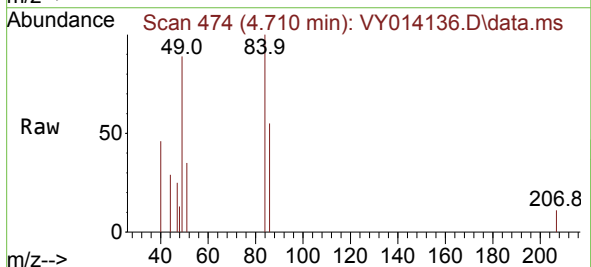
Instrument :
MSVOA_Y
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VOC RE

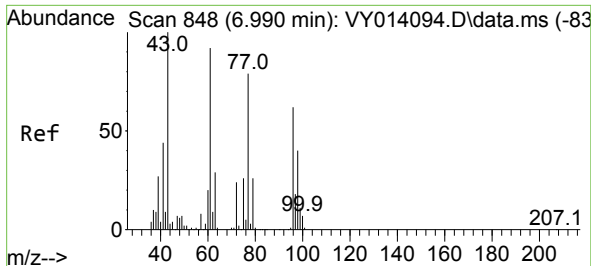
Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 2.131 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 84 Resp: 1501
Ion Ratio Lower Upper
84 100
49 89.0 106.9 160.3#
51 35.3 33.2 49.8
86 55.3 51.0 76.6

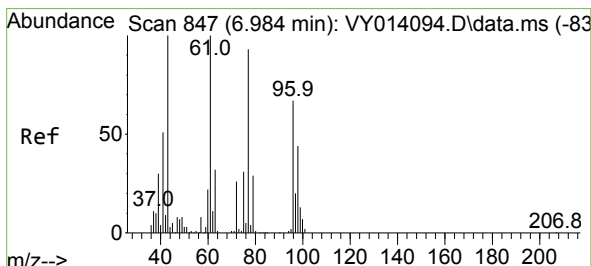
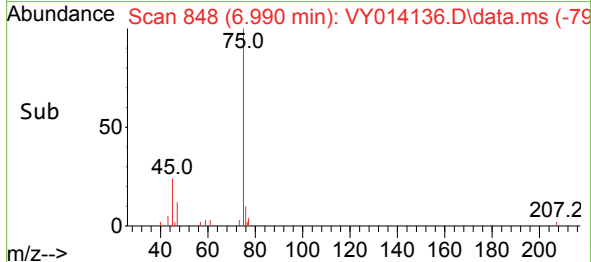
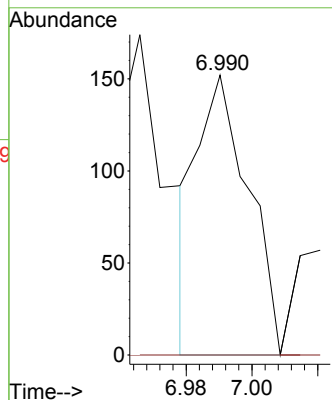
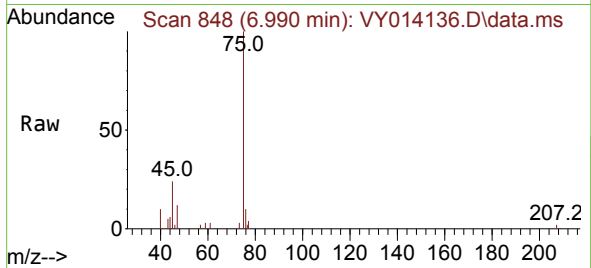




#25
2-Butanone
Concen: 1.557 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

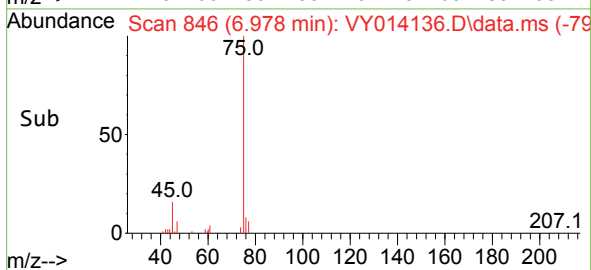
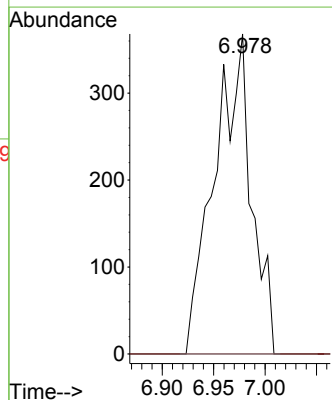
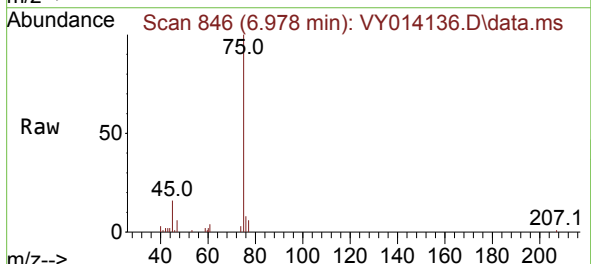
Instrument :
MSVOA_Y
ClientSampleId :
VOC RE

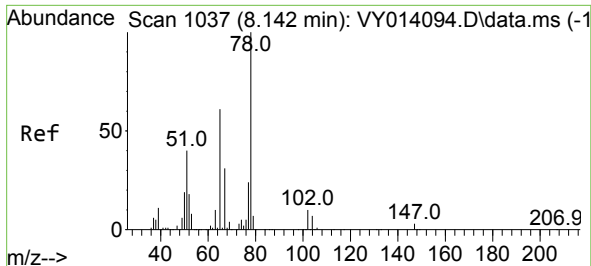
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.127 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 77 Resp: 919
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 44.041 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014136.D

Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

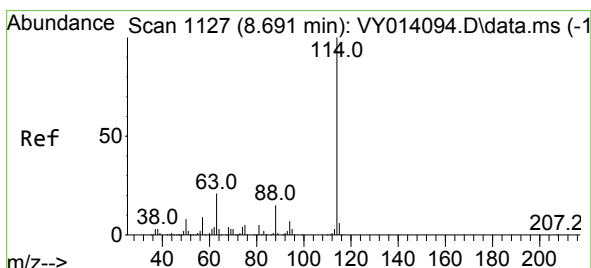
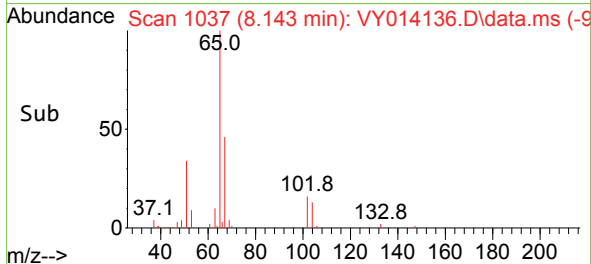
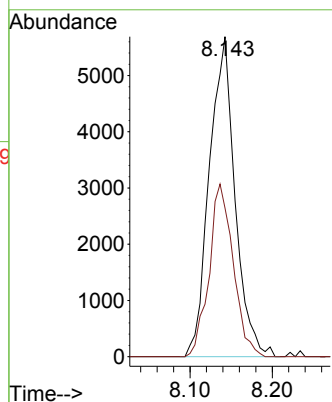
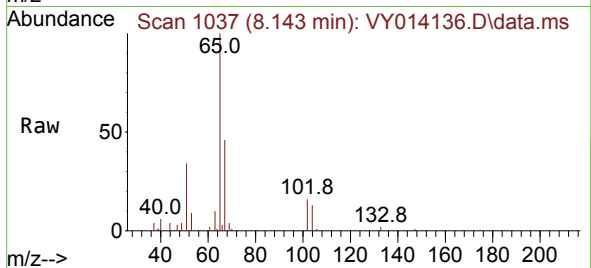
VOC RE

Tgt Ion: 65 Resp: 12347

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014136.D

Acq: 13 Jun 2023 13:55

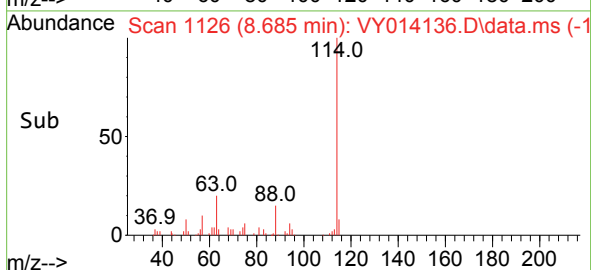
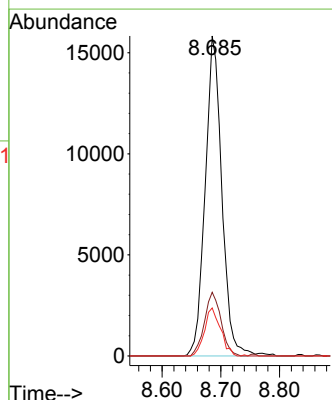
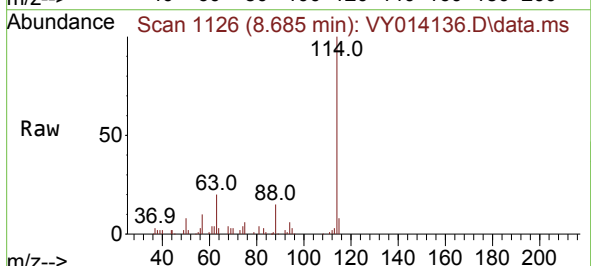
Tgt Ion: 114 Resp: 31303

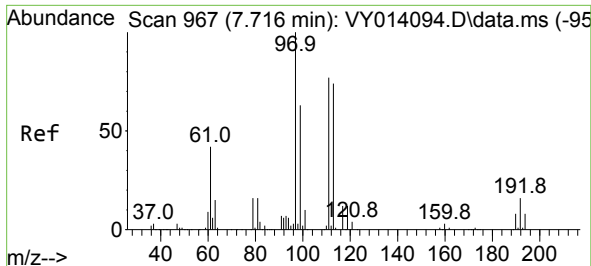
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6

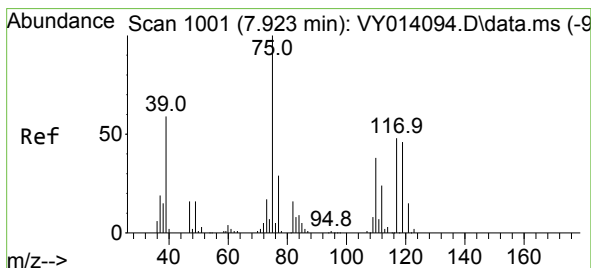
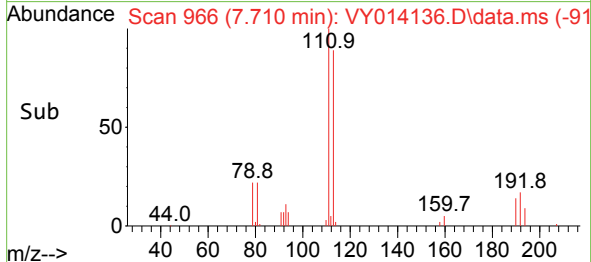
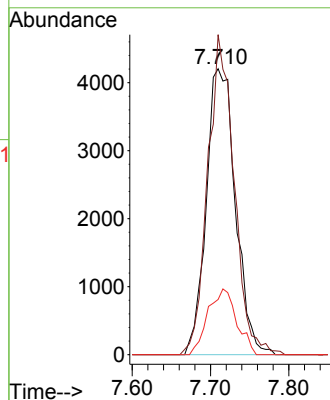
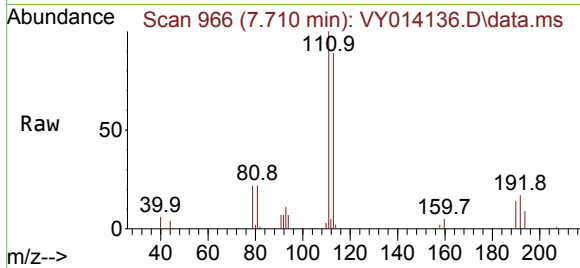




#35
Dibromofluoromethane
Concen: 49.087 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

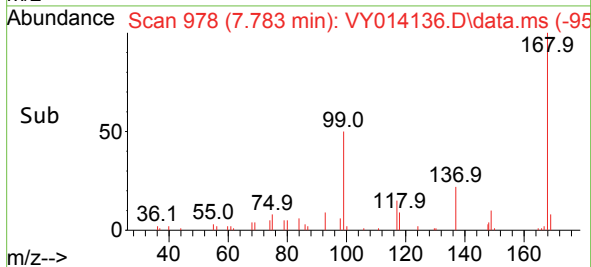
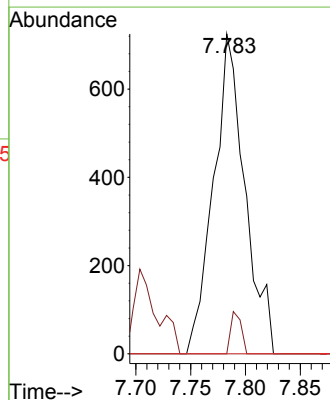
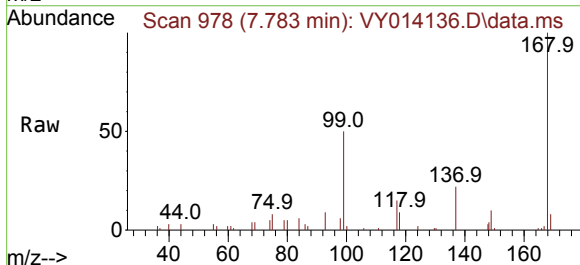
Instrument :
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VOC RE

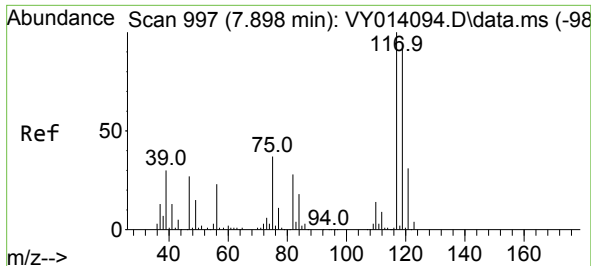
Tgt Ion:113 Resp: 10897
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 22.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.169 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 75 Resp: 1443
Ion Ratio Lower Upper
75 100
110 4.4 17.8 53.5#
77 0.0 24.4 36.6#

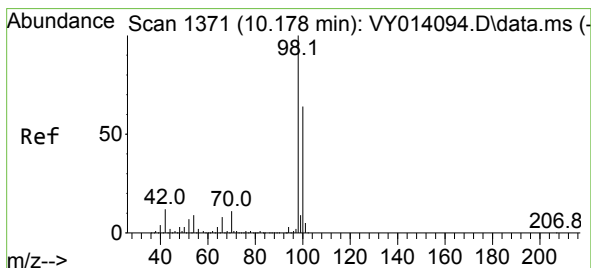
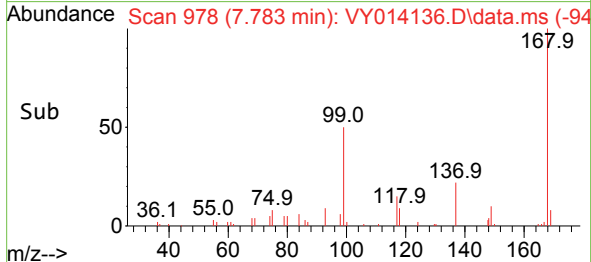
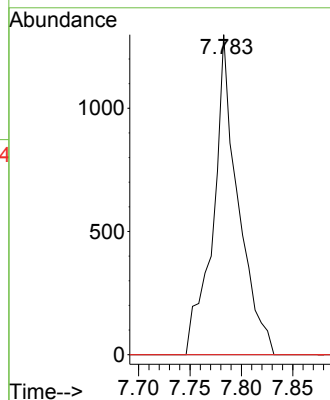
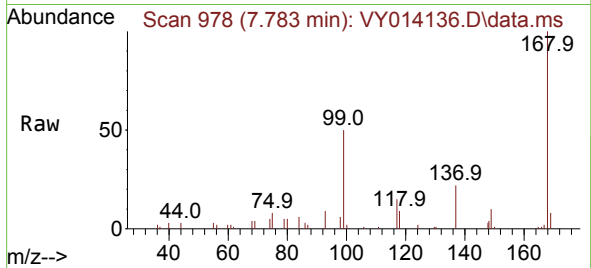




#38
Carbon Tetrachloride
Concen: 5.458 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

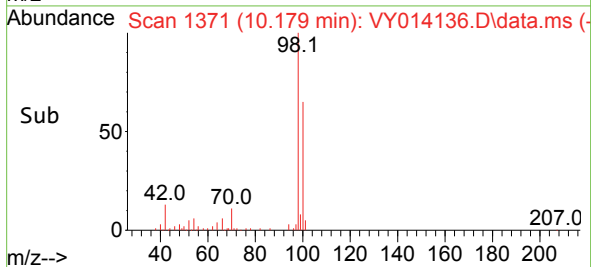
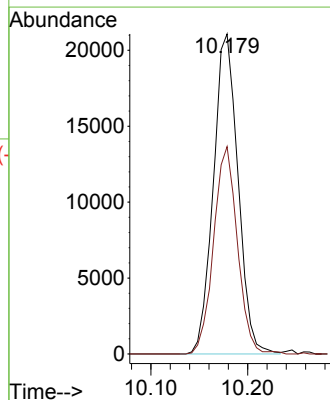
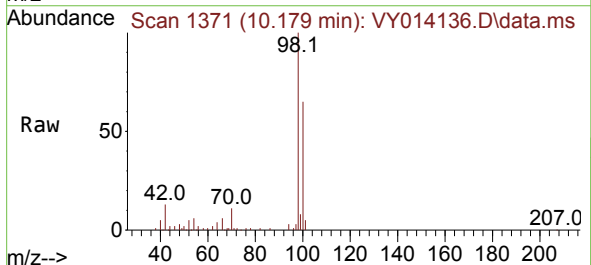
Instrument :
MSVOA_Y
ClientSampleId :
VOC RE

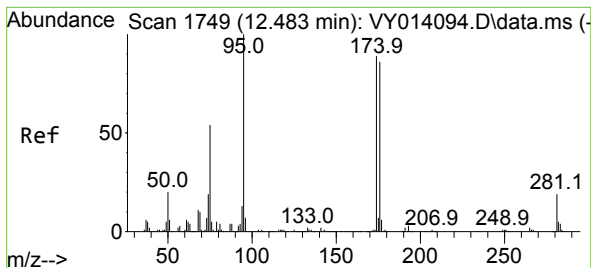
Tgt Ion:117 Resp: 2180
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.946 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014136.D
Acq: 13 Jun 2023 13:55

Tgt Ion: 98 Resp: 37303
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 36.690 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014136.D

Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VOC RE

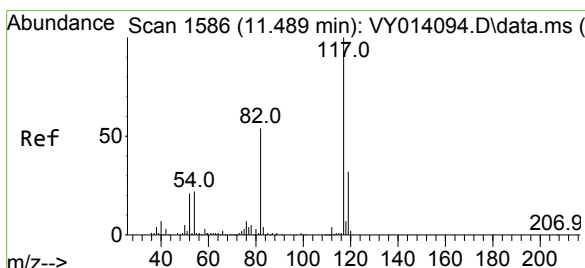
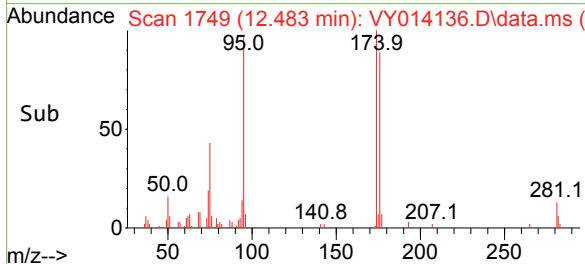
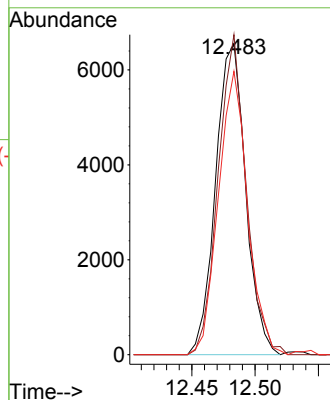
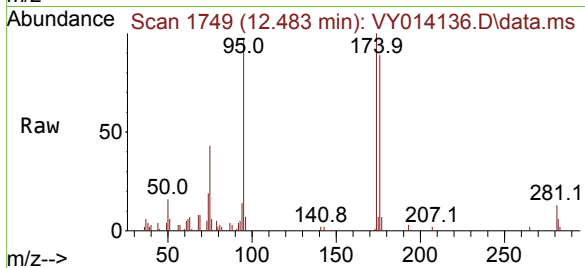
Tgt Ion: 95 Resp: 10817

Ion Ratio Lower Upper

95 100

174 96.0 0.0 178.2

176 88.4 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: VY014136.D

Acq: 13 Jun 2023 13:55

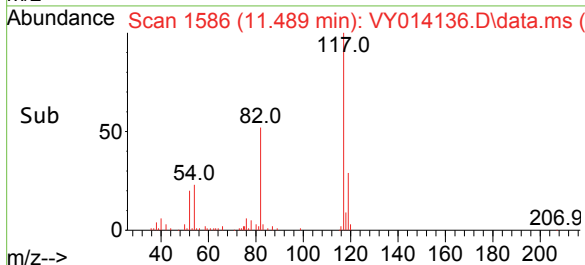
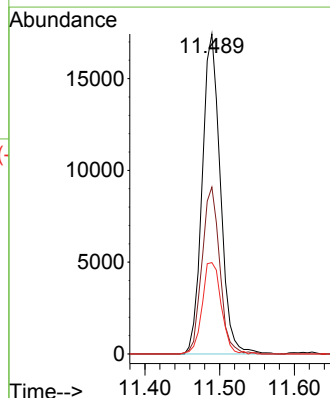
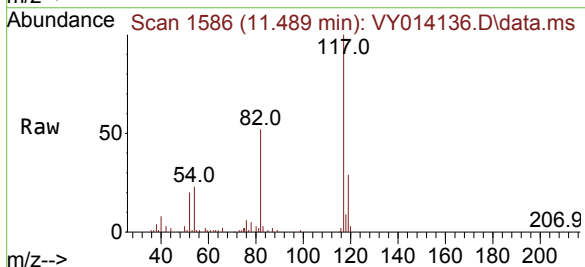
Tgt Ion: 117 Resp: 29381

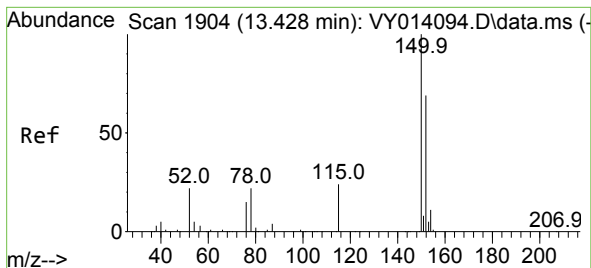
Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 28.6 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: VY014136.D

Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VOC RE

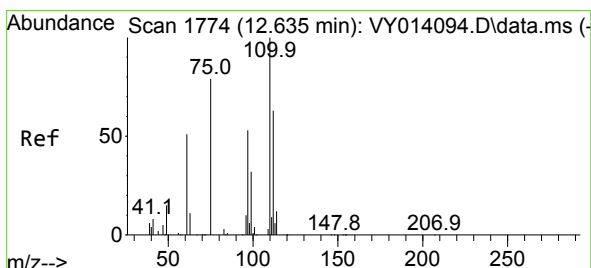
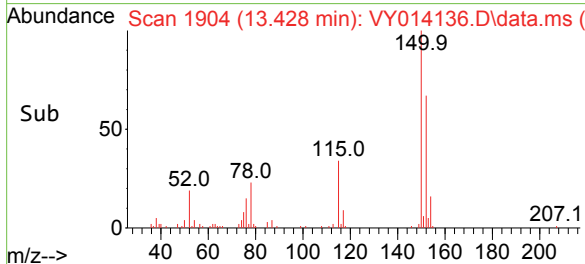
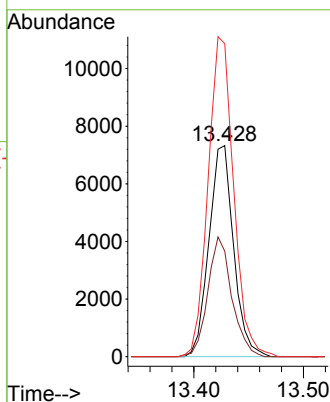
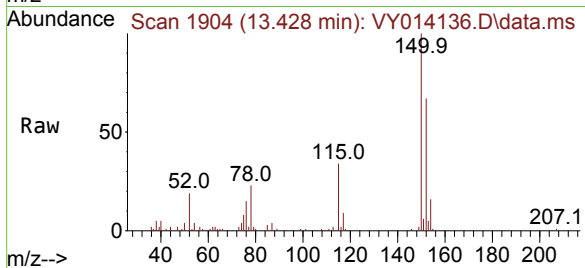
Tgt Ion:152 Resp: 11455

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 157.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.118 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014136.D

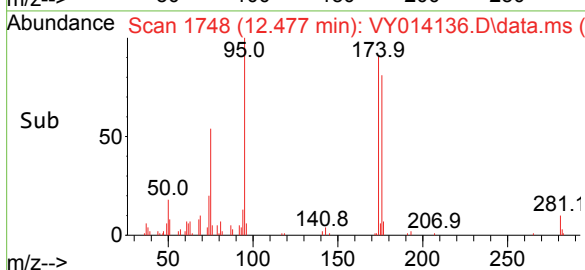
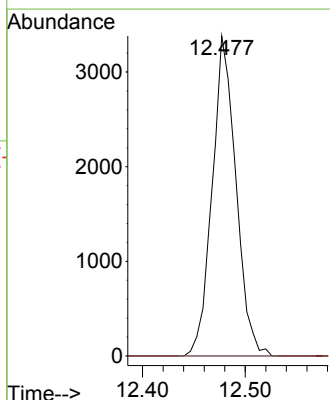
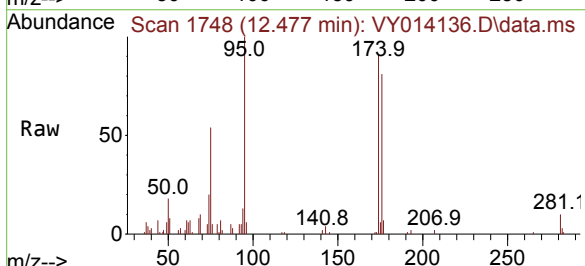
Acq: 13 Jun 2023 13:55

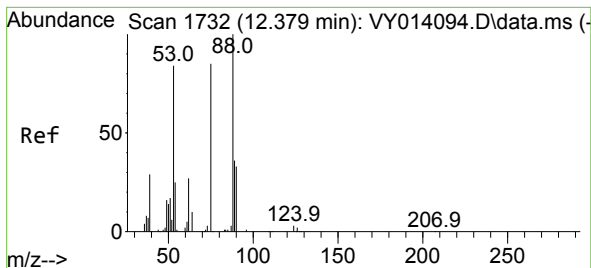
Tgt Ion: 75 Resp: 5428

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.072 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY014136.D

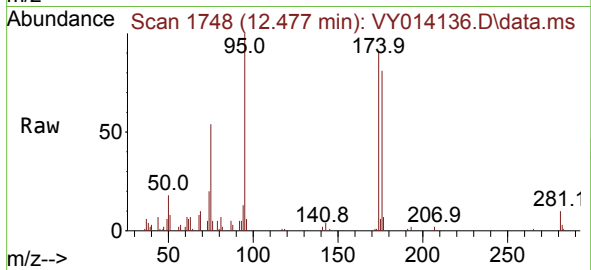
Acq: 13 Jun 2023 13:55

Instrument :

MSVOA_Y

ClientSampleId :

VOC RE



Tgt Ion: 75 Resp: 5428

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

