

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014145.D
 Acq On : 13 Jun 2023 17:26
 Operator : KP/MD
 Sample : 03167-01
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-GA

Quant Time: Jun 14 01:37:57 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)

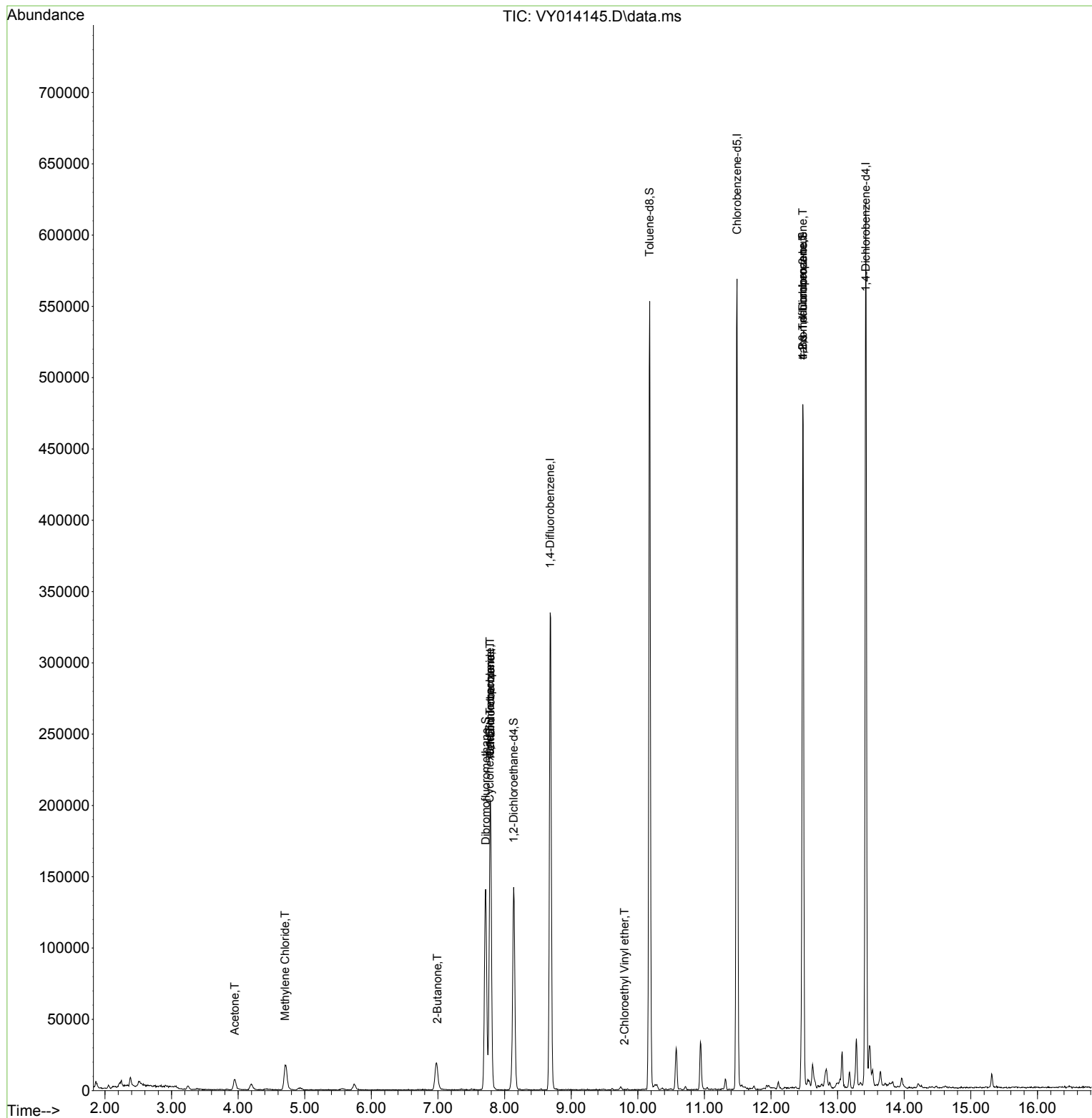
Internal Standards						
1) Pentafluorobenzene	7.789	168	159691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	280378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114360	51.427	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 102.860%		
35) Dibromofluoromethane	7.716	113	96474	48.519	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 97.040%		
50) Toluene-d8	10.179	98	351889	47.337	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 94.680%		
62) 4-Bromofluorobenzene	12.477	95	134180	50.813	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 101.620%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1743	Below Cal	#	89
13) Acrolein	3.729	56	81	Below Cal	#	1
16) Acetone	3.948	43	13673	20.398	ug/l	98
20) Methylene Chloride	4.704	84	13433	2.900	ug/l	89
25) 2-Butanone	6.990	43	7347	8.904	ug/l	93
31) Cyclohexane	7.777	56	3681	1.236	ug/l #	40
36) 1,1-Dichloropropene	7.783	75	12056	3.889	ug/l #	49
38) Carbon Tetrachloride	7.783	117	15641	4.372	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.801	63	22	28.636	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	74377	36.926	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74377	79.820	ug/l #	12

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

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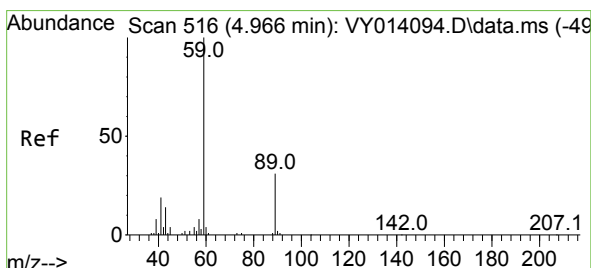
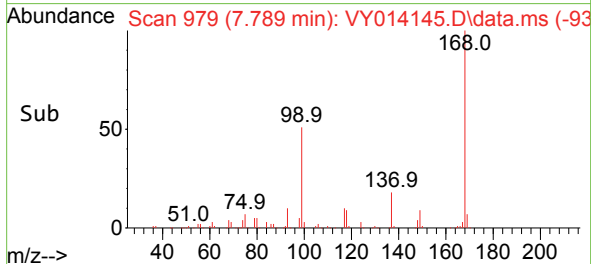
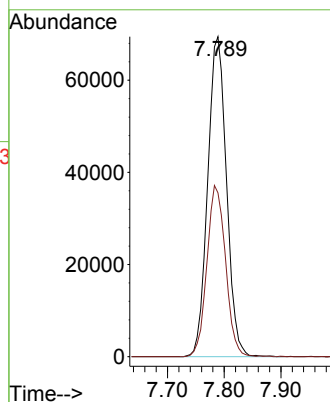
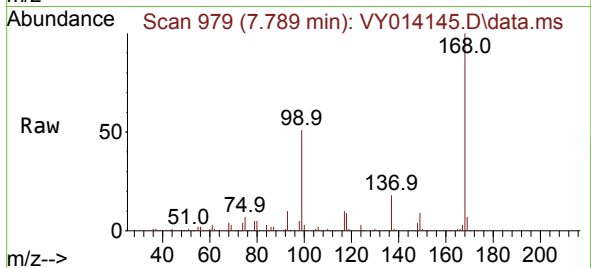




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

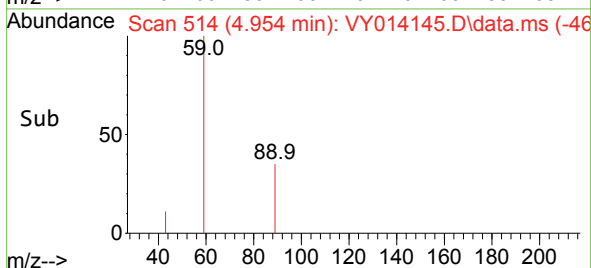
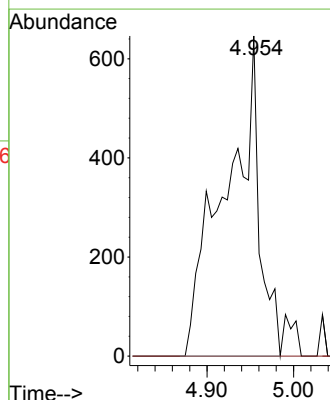
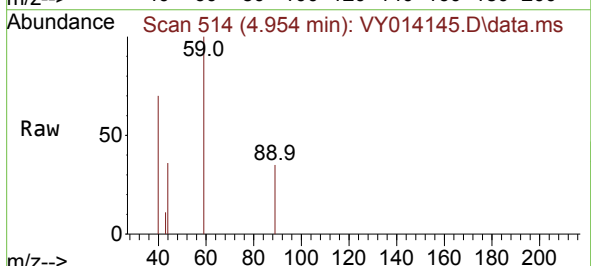
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-GA

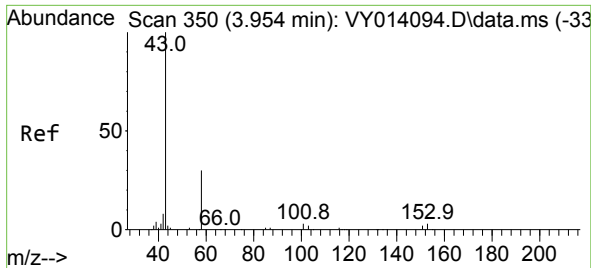
Tgt Ion:168 Resp: 159691
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Tgt Ion: 59 Resp: 1743
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 20.398 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

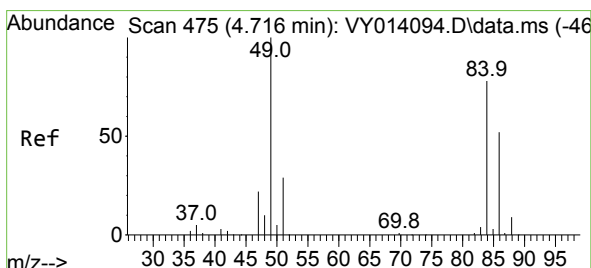
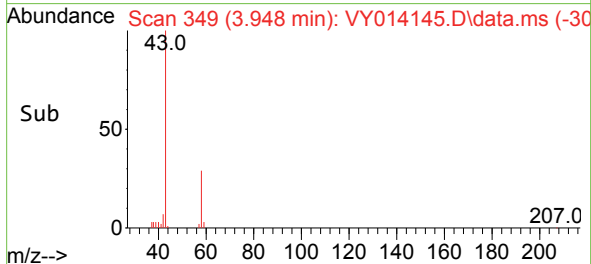
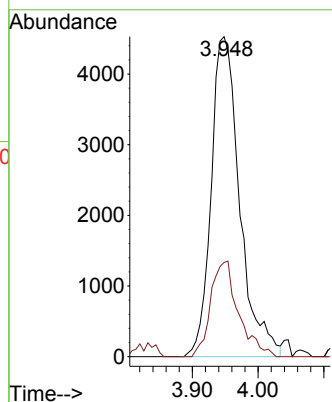
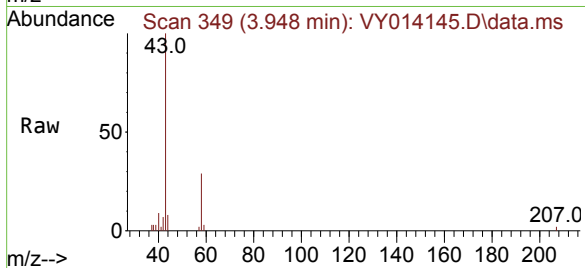
TP-4-GA

Tgt Ion: 43 Resp: 13673

Ion Ratio Lower Upper

43 100

58 29.4 22.7 34.1



#20

Methylene Chloride

Concen: 2.900 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

Tgt Ion: 84 Resp: 13433

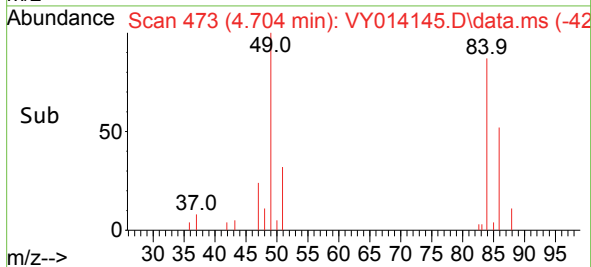
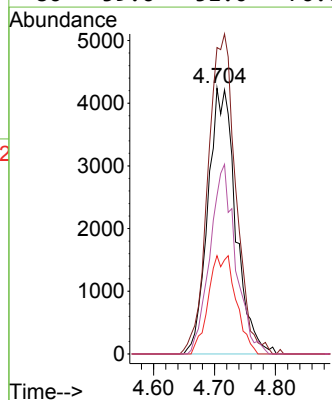
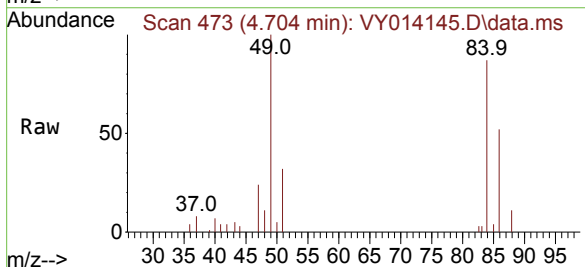
Ion Ratio Lower Upper

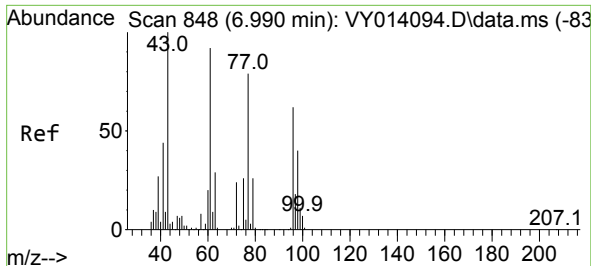
84 100

49 115.3 106.9 160.3

51 37.0 33.2 49.8

86 59.6 51.0 76.6

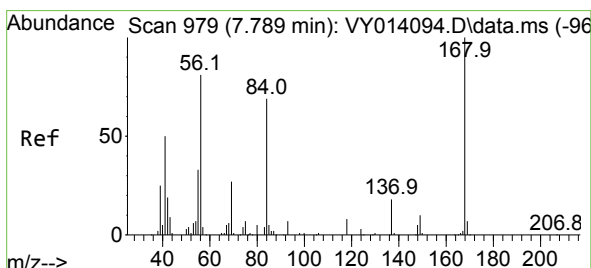
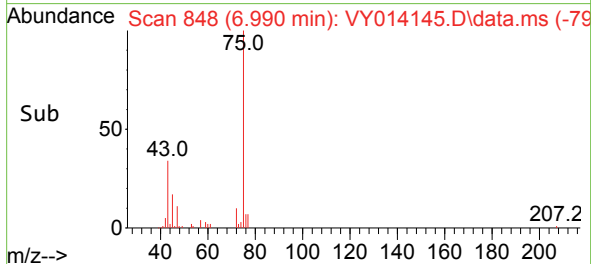
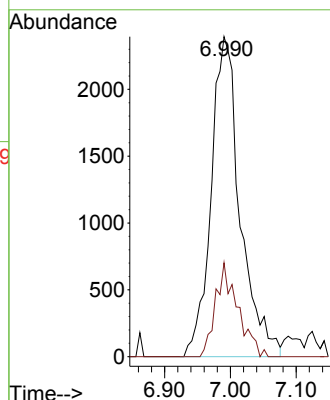
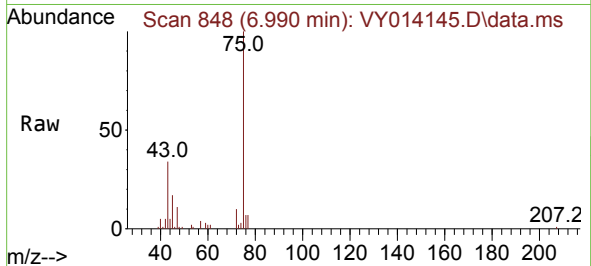




#25
2-Butanone
Concen: 8.904 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

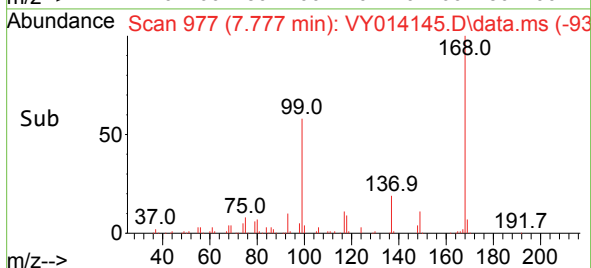
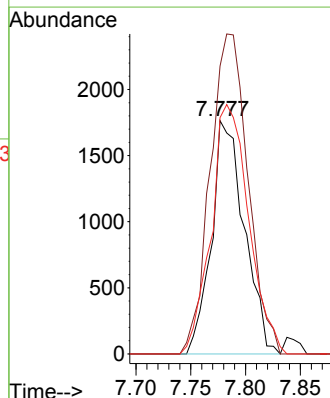
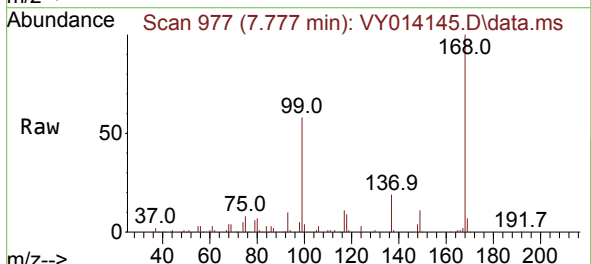
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-GA

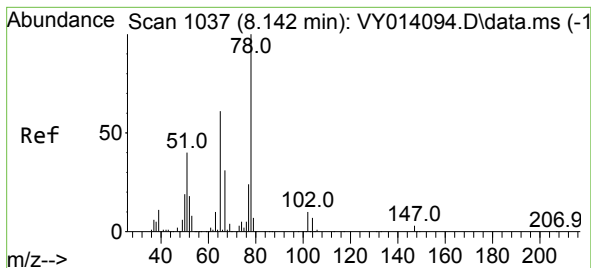
Tgt Ion: 43 Resp: 7347
Ion Ratio Lower Upper
43 100
72 29.4 20.5 30.7



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Tgt Ion: 56 Resp: 3681
Ion Ratio Lower Upper
56 100
69 123.4 27.8 41.6#
84 101.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.427 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

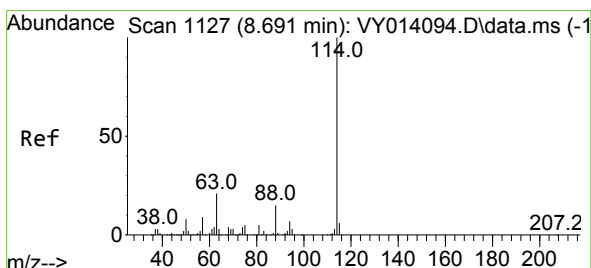
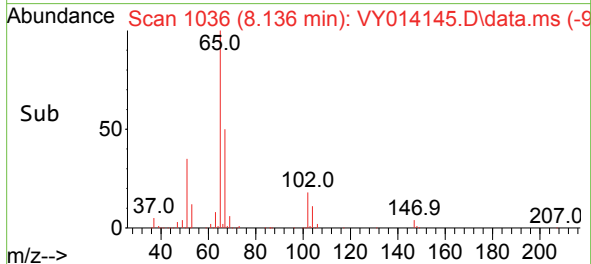
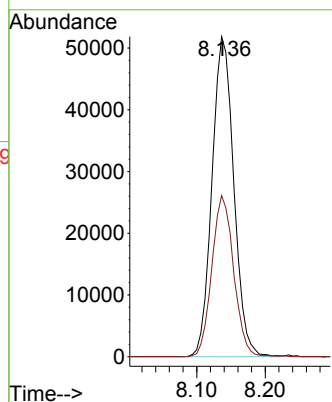
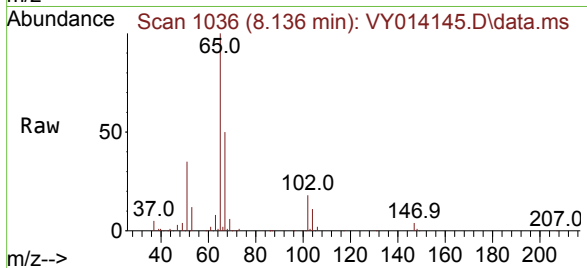
TP-4-GA

Tgt Ion: 65 Resp: 114360

Ion Ratio Lower Upper

65 100

67 50.4 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: VY014145.D

Acq: 13 Jun 2023 17:26

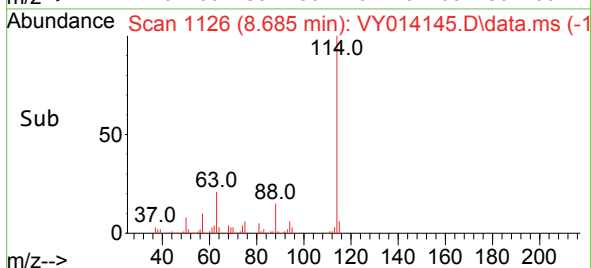
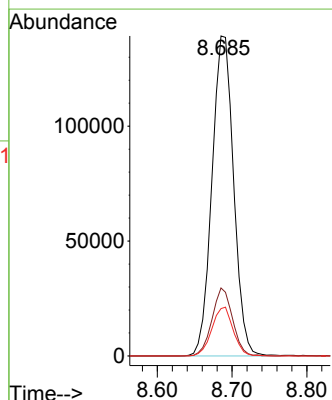
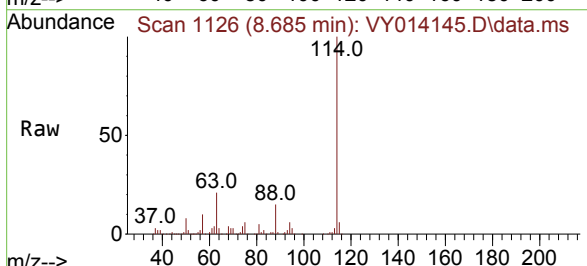
Tgt Ion: 114 Resp: 280378

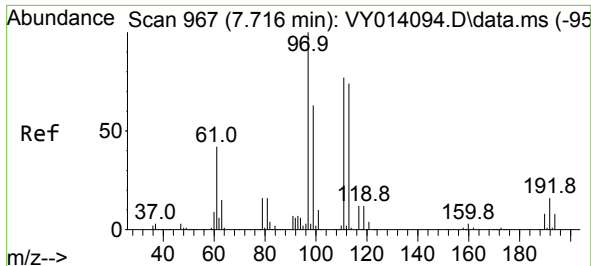
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 14.8 0.0 30.6

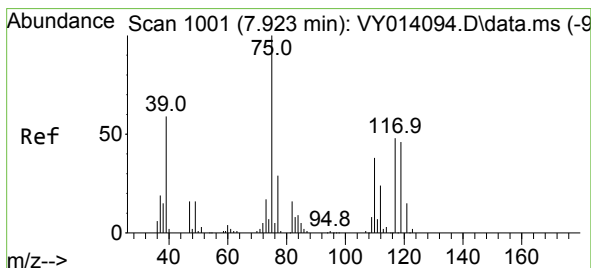
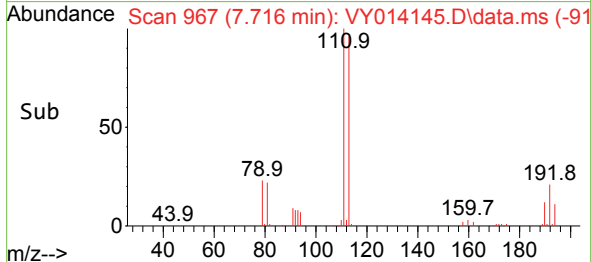
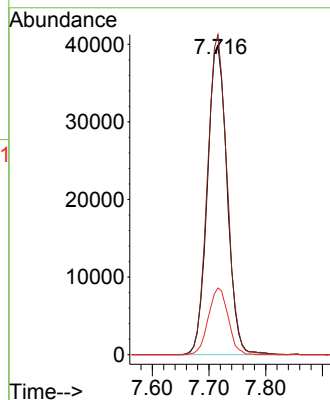
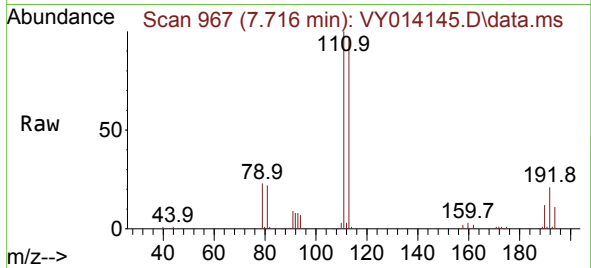




#35
Dibromofluoromethane
Concen: 48.519 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

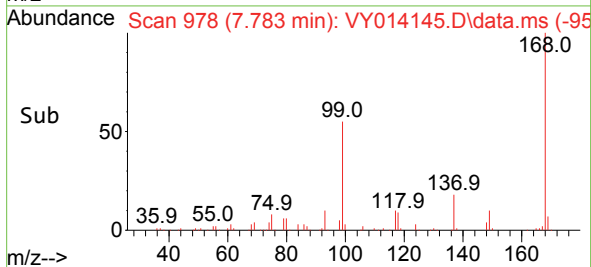
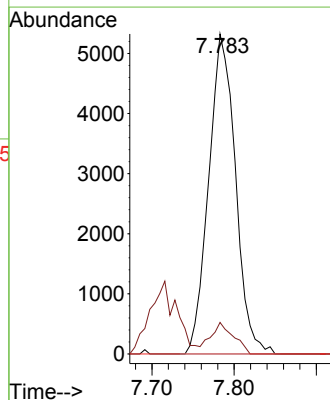
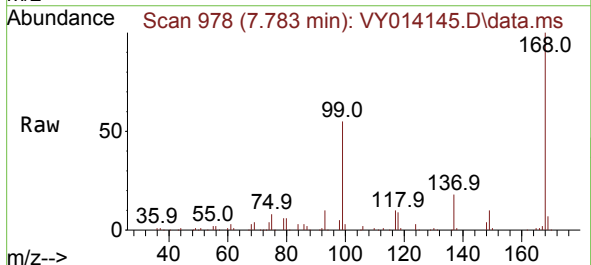
Instrument :
MSVOA_Y
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TP-4-GA

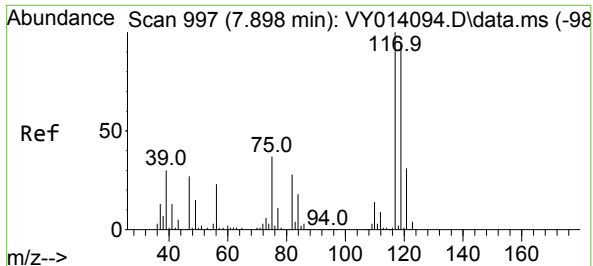
Tgt Ion:113 Resp: 96474
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.889 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

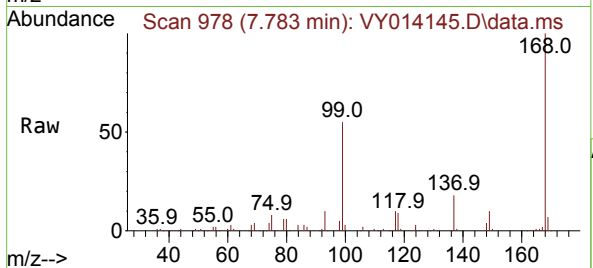
Tgt Ion: 75 Resp: 12056
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#



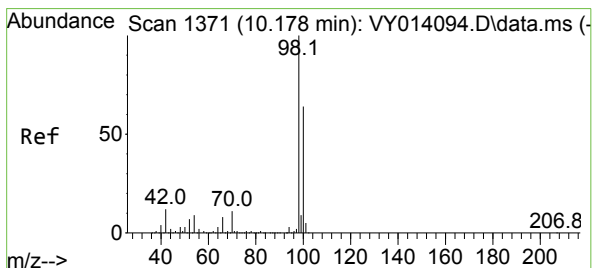
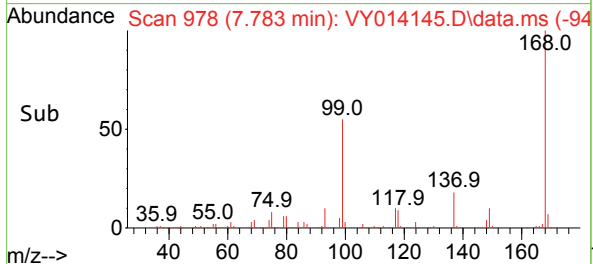
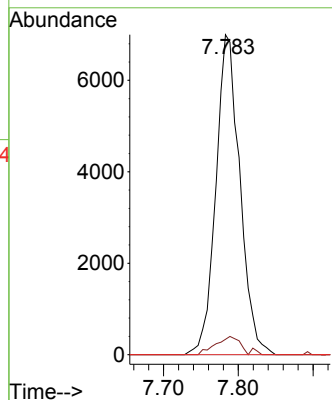


#38
Carbon Tetrachloride
Concen: 4.372 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-4-GA

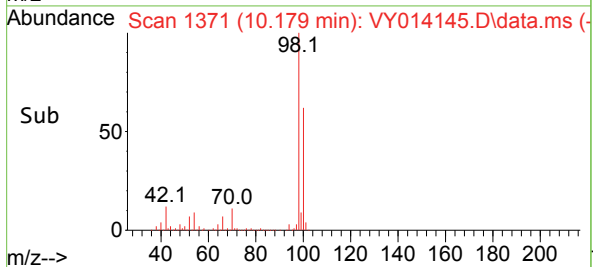
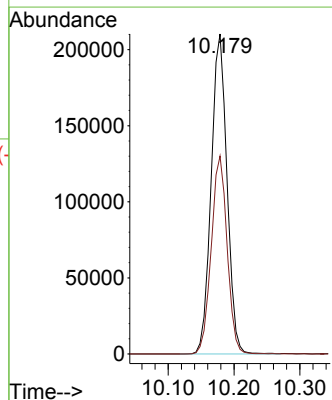
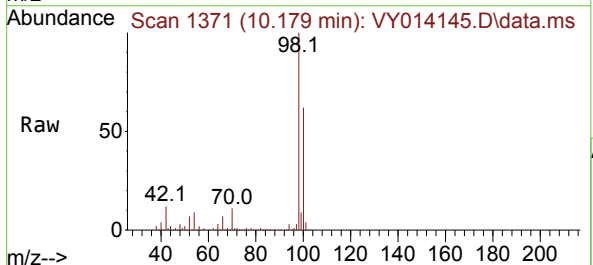


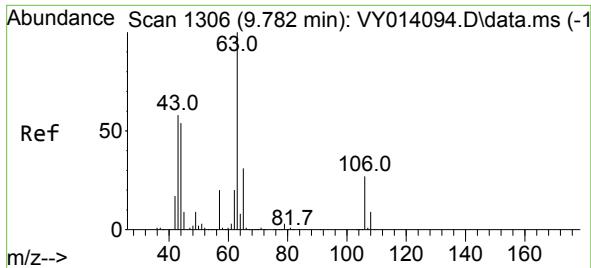
Tgt Ion:117 Resp: 15641
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.337 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Tgt Ion: 98 Resp: 351889
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1

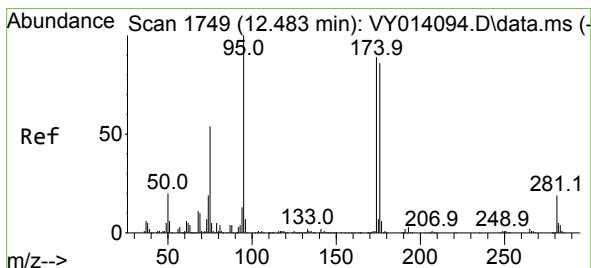
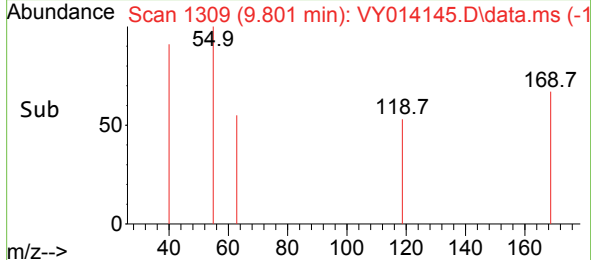
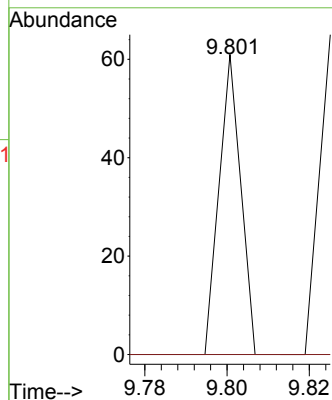
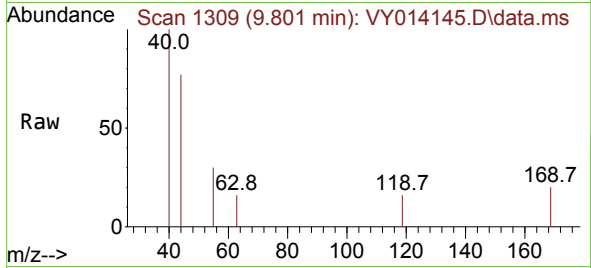




#58
2-Chloroethyl Vinyl ether
Concen: 28.636 ug/l
RT: 9.801 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

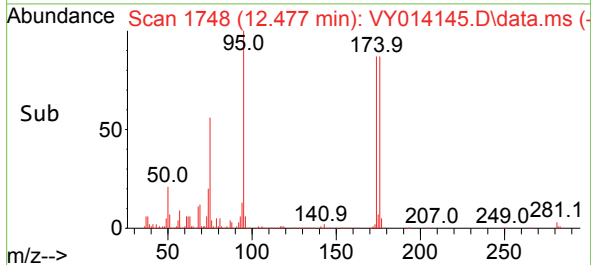
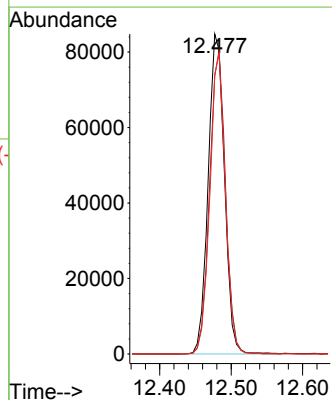
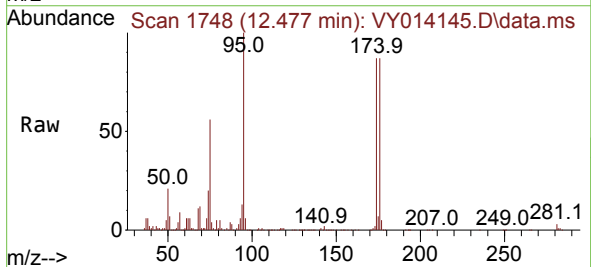
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-GA

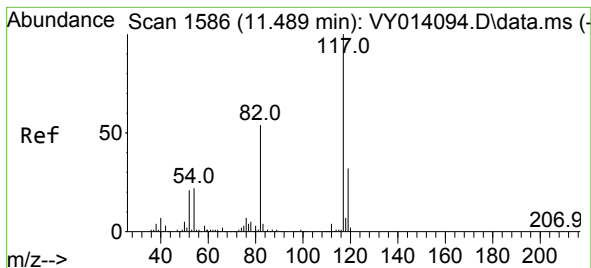
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 50.813 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Tgt Ion: 95 Resp: 134180
Ion Ratio Lower Upper
95 100
174 92.6 0.0 178.2
176 89.4 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: VY014145.D

Acq: 13 Jun 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-GA

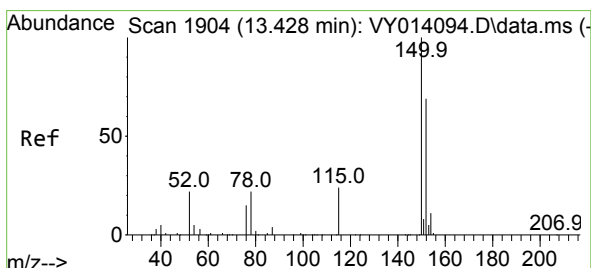
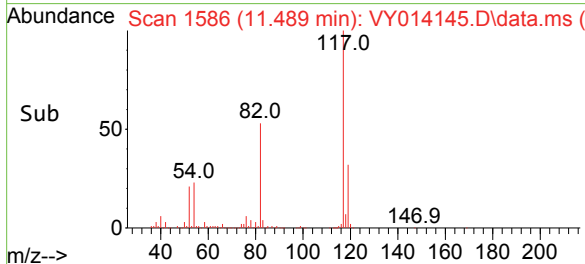
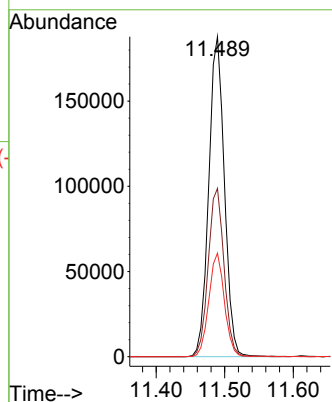
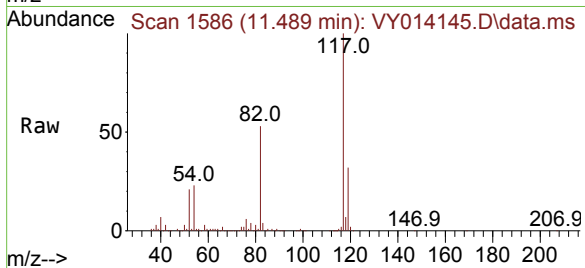
Tgt Ion:117 Resp: 298279

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014145.D

Acq: 13 Jun 2023 17:26

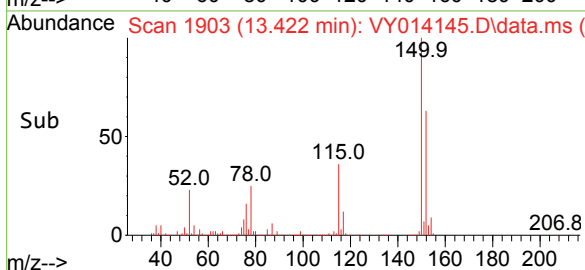
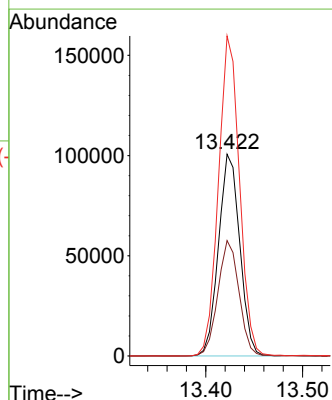
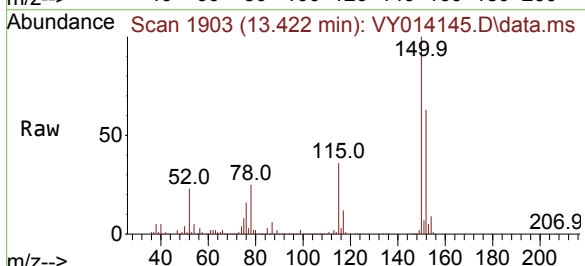
Tgt Ion:152 Resp: 153525

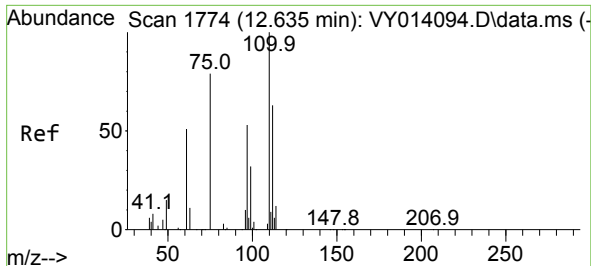
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 157.0 0.0 348.8

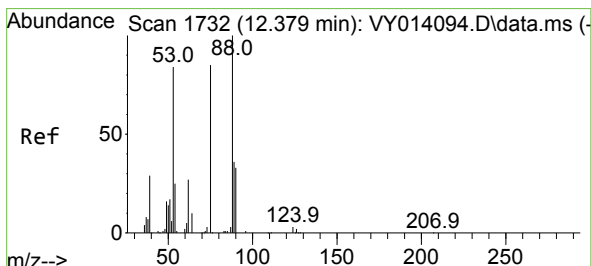
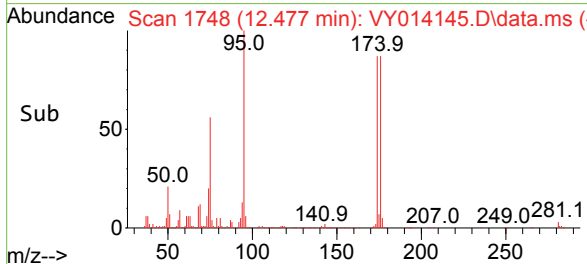
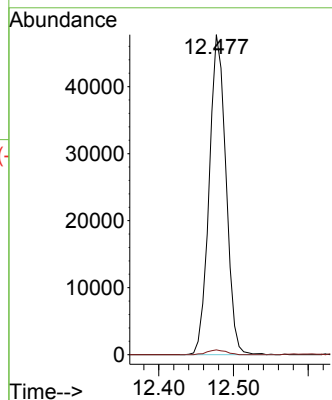
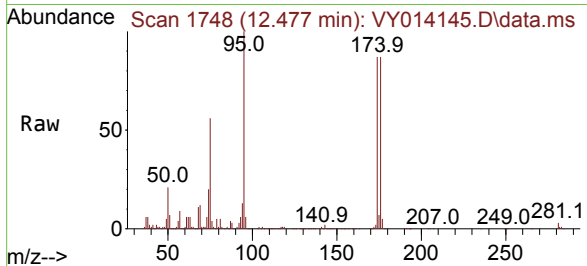




#76
1,2,3-Trichloropropane
Concen: 36.926 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-4-GA

Tgt Ion: 75 Resp: 74377
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.820 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014145.D
Acq: 13 Jun 2023 17:26

Tgt Ion: 75 Resp: 74377
Ion Ratio Lower Upper
75 100
53 1.4 77.8 116.8#
89 0.2 37.4 56.0#

