

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014035.D
 Acq On : 06 Jun 2023 16:59
 Operator : KP/MD
 Sample : 03029-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: Jun 07 01:40:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

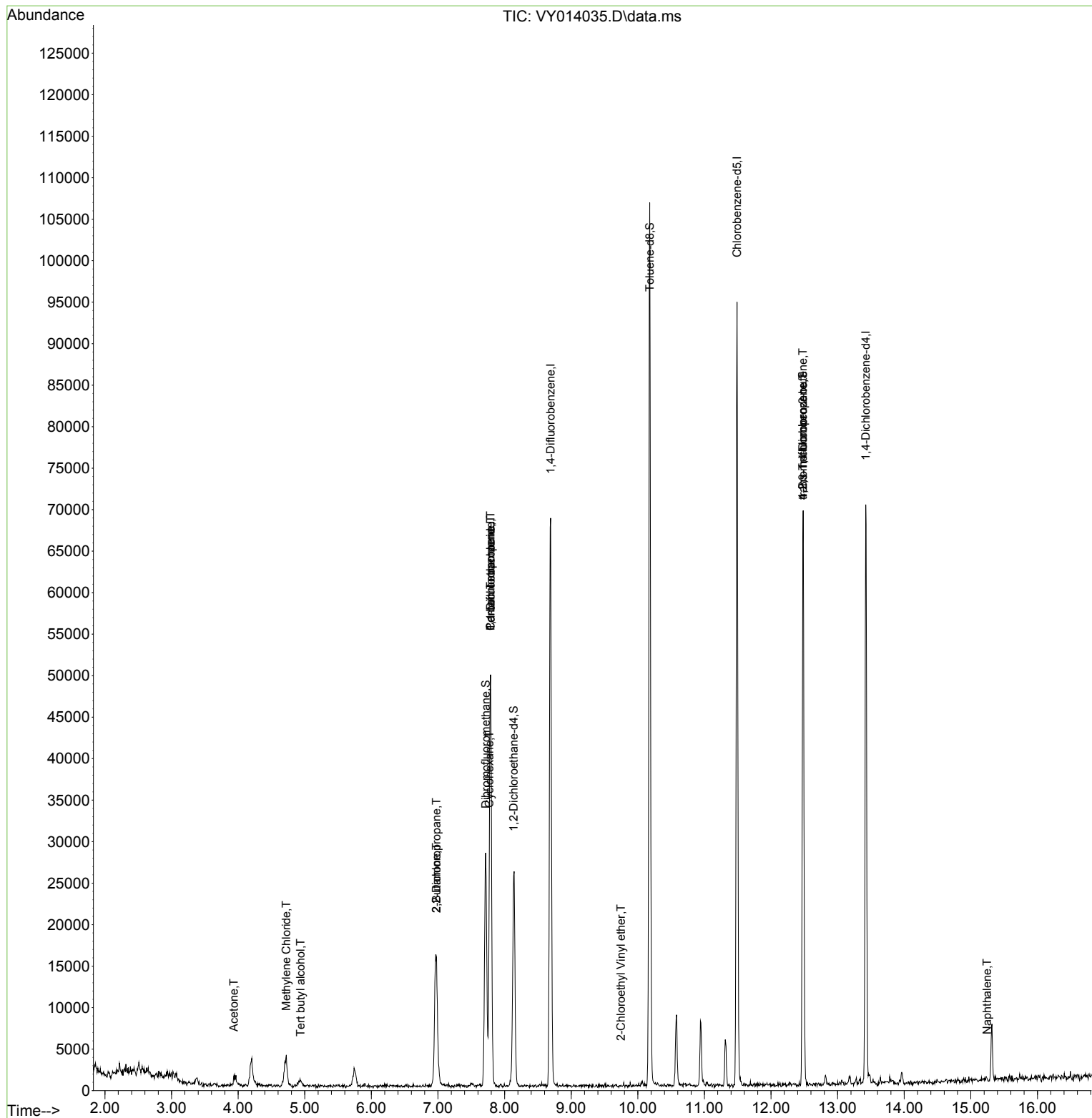
Internal Standards						
1) Pentafluorobenzene	7.789	168	38796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	57945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	50917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	18711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20810	40.520	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.040%		
35) Dibromofluoromethane	7.716	113	19013	51.631	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.260%		
50) Toluene-d8	10.179	98	69829	49.713	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.420%		
62) 4-Bromofluorobenzene	12.477	95	17535	36.617	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.240%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	386	3.657	ug/l #	89
16) Acetone	3.936	43	816	4.644	ug/l	99
20) Methylene Chloride	4.722	84	2644	1.705	ug/l #	65
25) 2-Butanone	6.978	43	1058	4.833	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	1413	1.988	ug/l #	54
31) Cyclohexane	7.771	56	1019	1.648	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	3110	5.928	ug/l #	47
38) Carbon Tetrachloride	7.789	117	3887	6.612	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.746	63	25	23.197	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	9574	38.023	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9574	80.667	ug/l #	10
95) Naphthalene	15.245	128	81	3.966	ug/l #	69

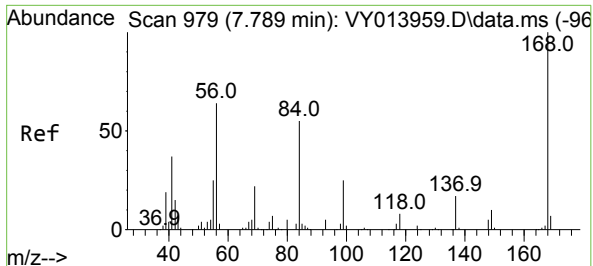
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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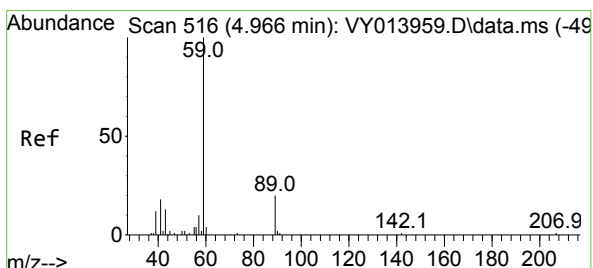
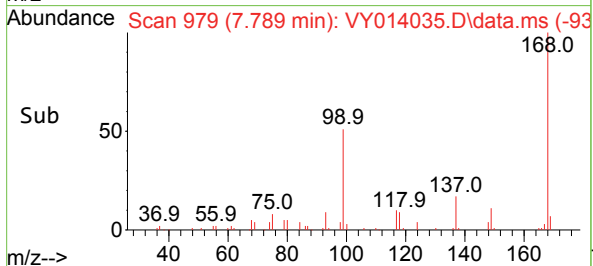
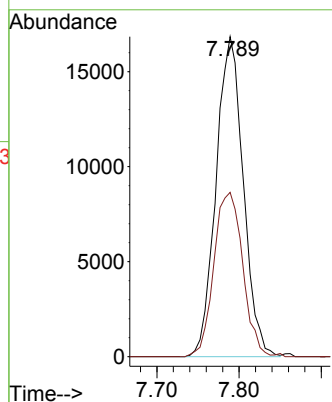
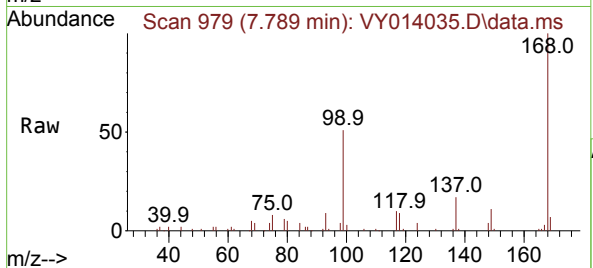




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

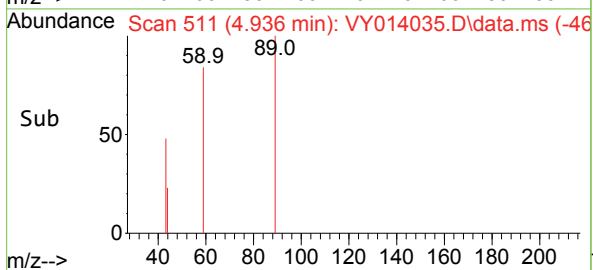
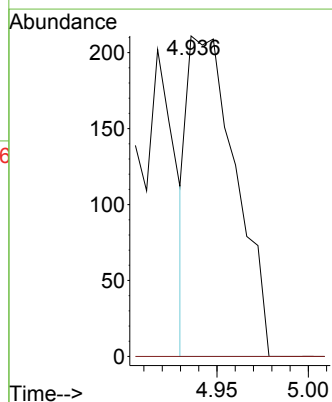
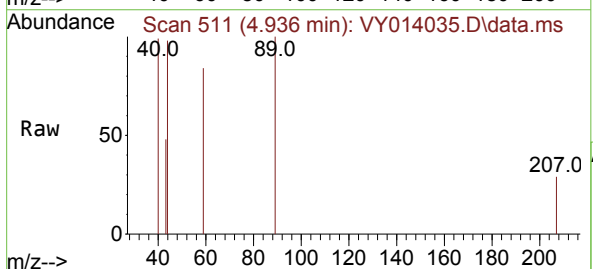
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

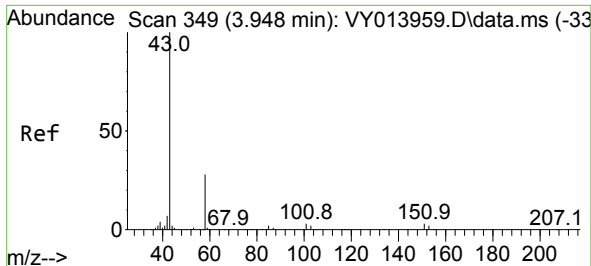
Tgt Ion:168 Resp: 38796
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.657 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 4.644 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014035.D

Acq: 06 Jun 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

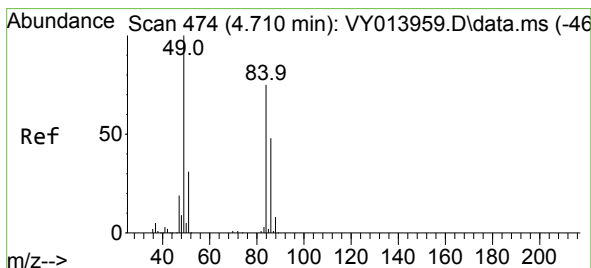
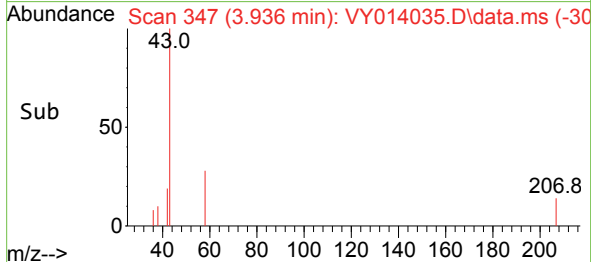
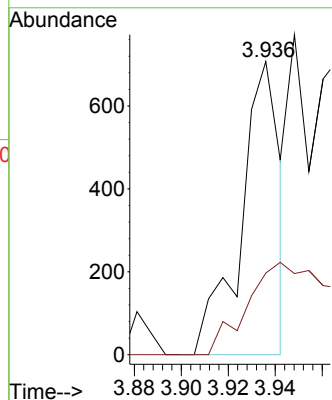
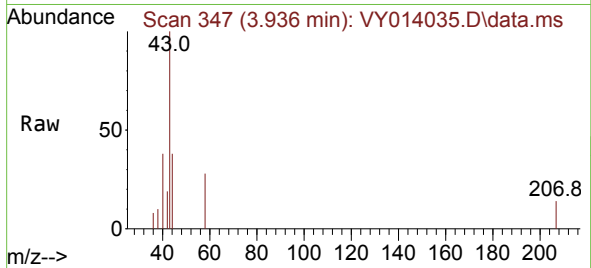
TP-7

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1



#20

Methylene Chloride

Concen: 1.705 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.012 min

Lab File: VY014035.D

Acq: 06 Jun 2023 16:59

Tgt Ion: 84 Resp: 2644

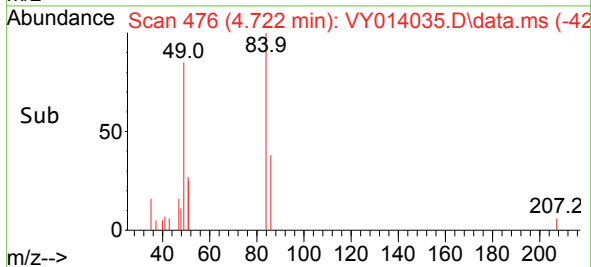
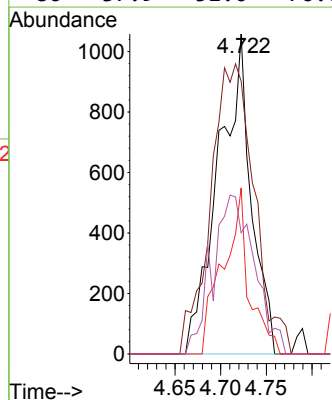
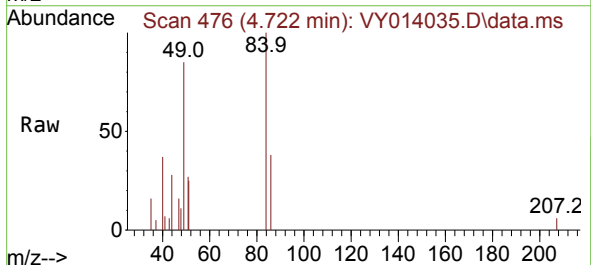
Ion Ratio Lower Upper

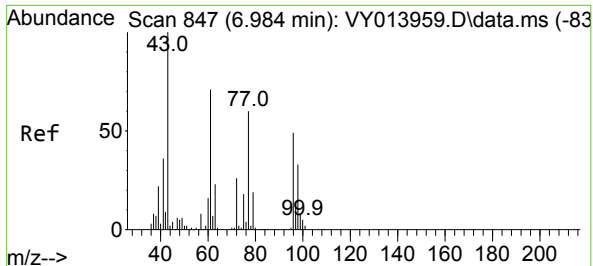
84 100

49 85.3 106.9 160.3#

51 51.9 33.2 49.8#

86 37.9 51.0 76.6#





#25

2-Butanone

Concen: 4.833 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014035.D

Acq: 06 Jun 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

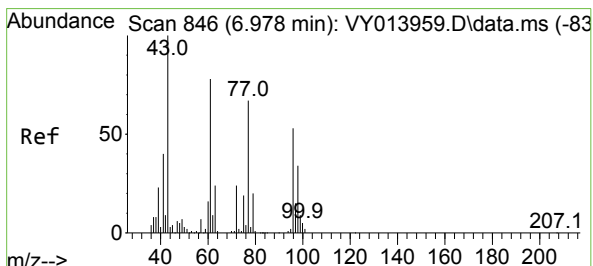
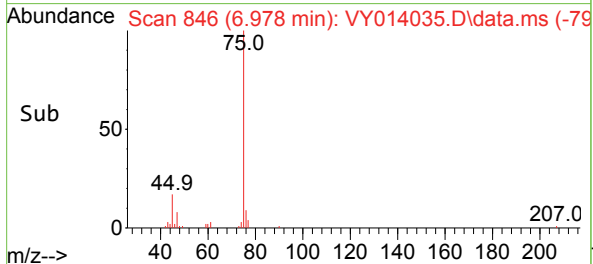
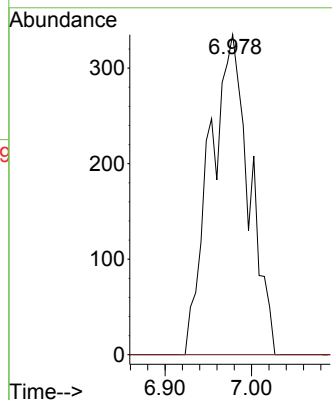
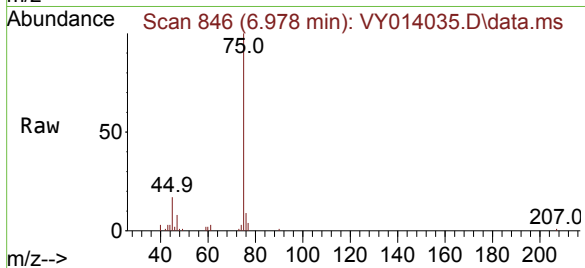
TP-7

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.988 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY014035.D

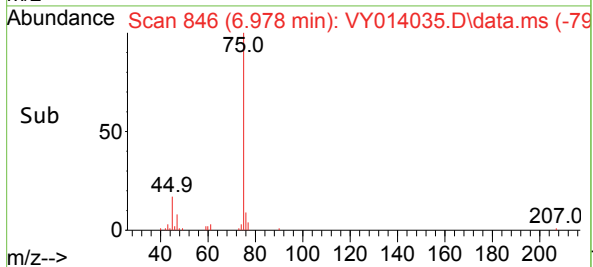
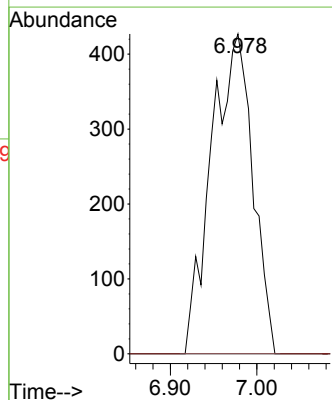
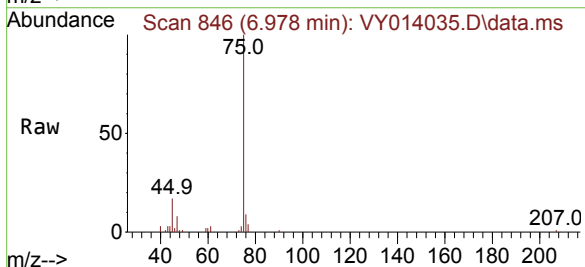
Acq: 06 Jun 2023 16:59

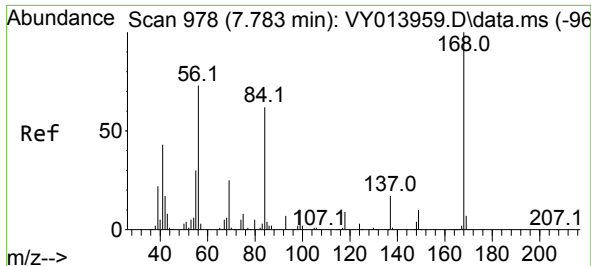
Tgt Ion: 77 Resp: 1413

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

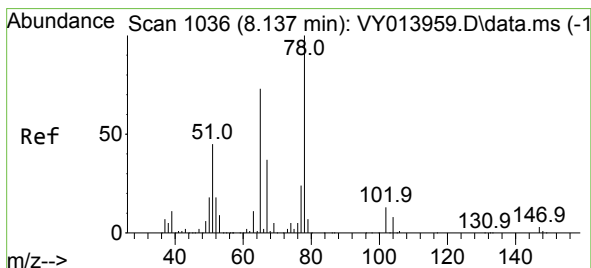
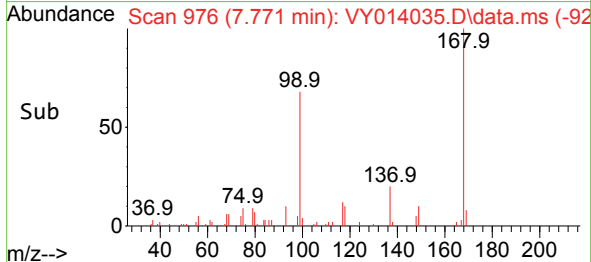
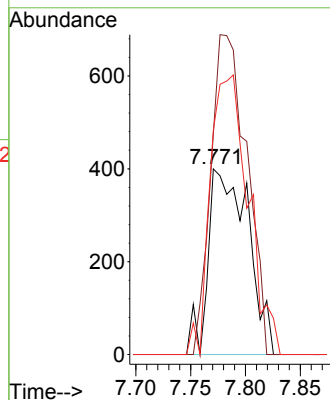
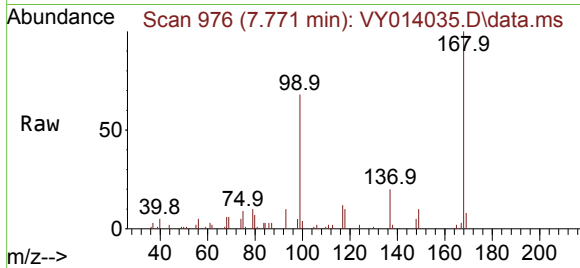




#31
Cyclohexane
Concen: 1.648 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

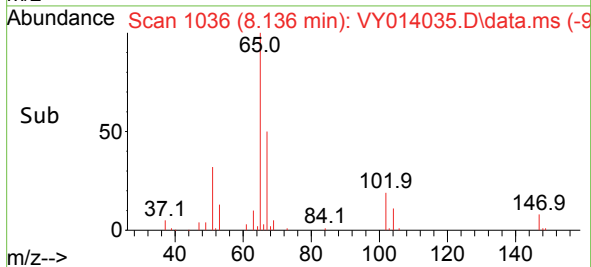
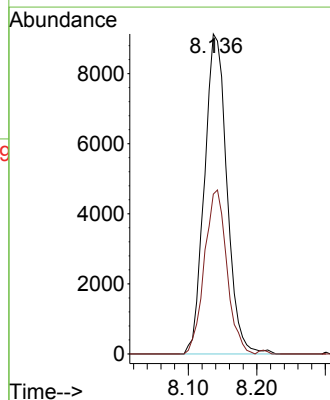
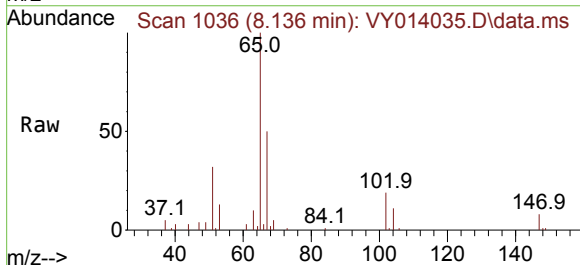
Instrument :
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ClientSampleId :
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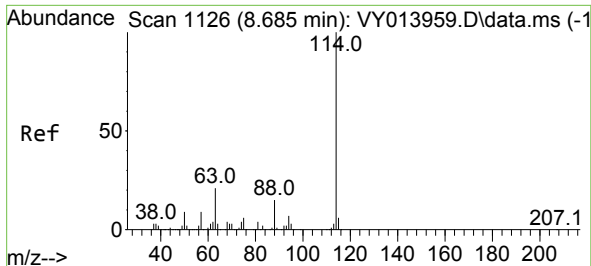
Tgt Ion: 56 Resp: 1019
Ion Ratio Lower Upper
56 100
69 118.5 27.8 41.6#
84 120.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 40.520 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Tgt Ion: 65 Resp: 20810
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.8

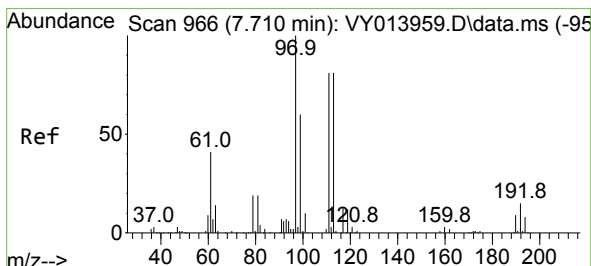
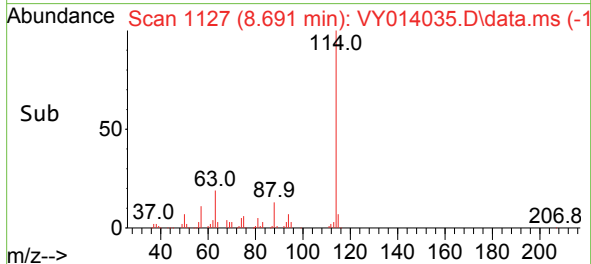
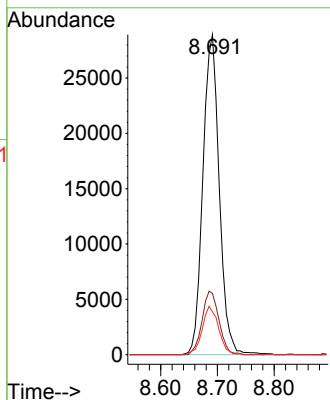
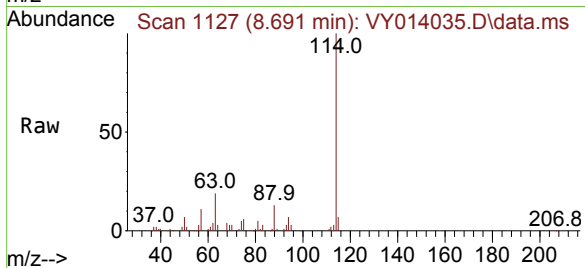




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

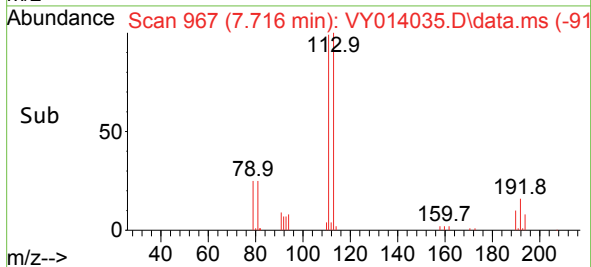
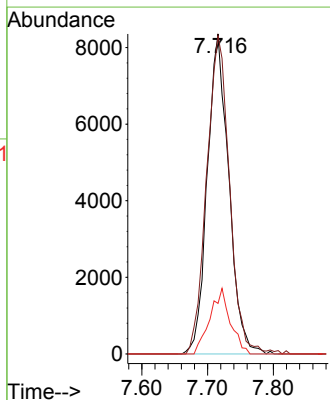
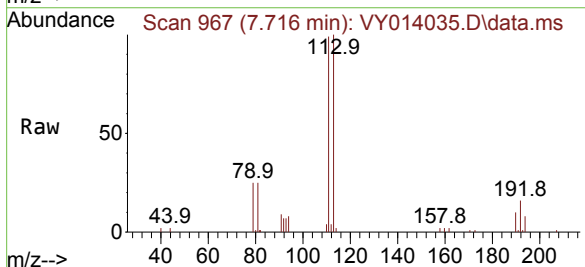
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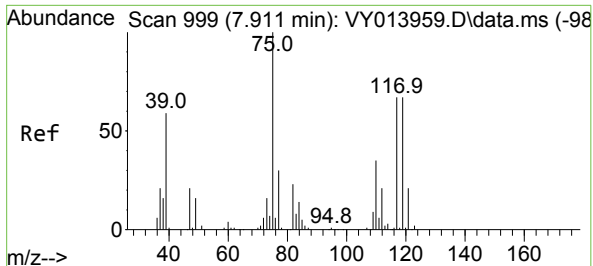
Tgt Ion:	114	Resp:	57945
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.4
88	13.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 51.631 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Tgt Ion:	113	Resp:	19013
Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.3	121.9
192	19.4	16.9	25.3

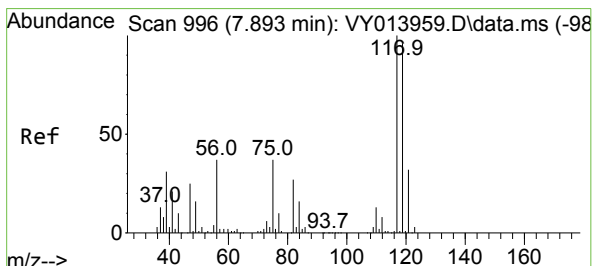
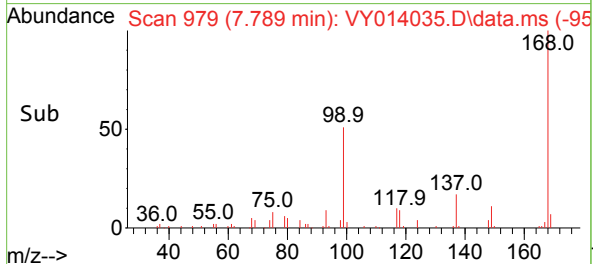
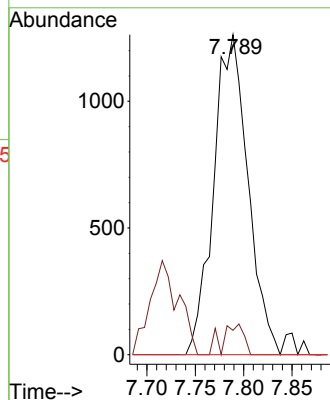
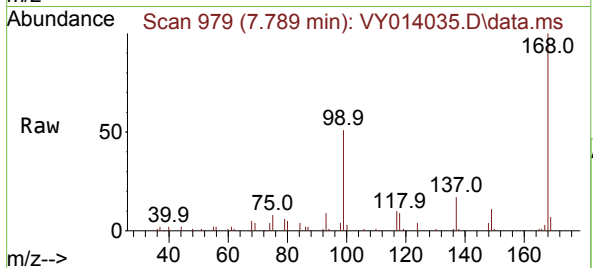




#36
1,1-Dichloropropene
Concen: 5.928 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

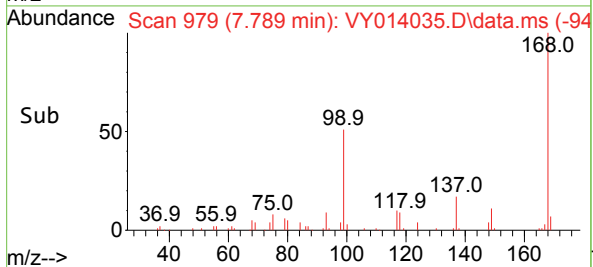
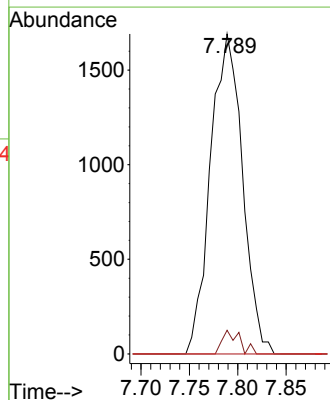
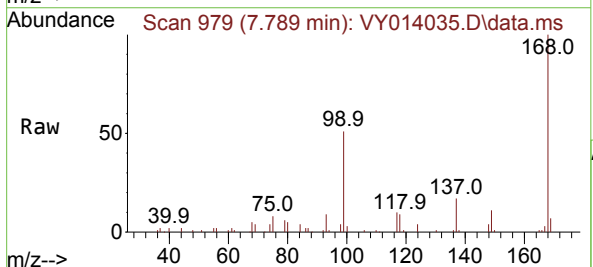
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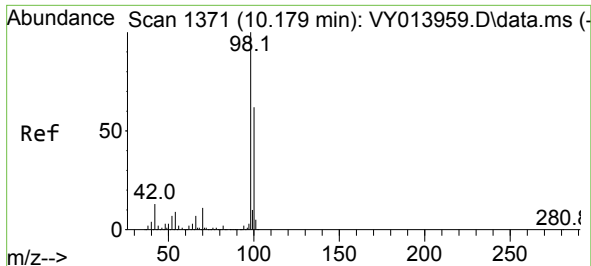
Tgt Ion: 75 Resp: 3110
Ion Ratio Lower Upper
75 100
110 5.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.612 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Tgt Ion: 117 Resp: 3887
Ion Ratio Lower Upper
117 100
119 7.4 76.4 114.6#
121 0.0 25.8 38.6#

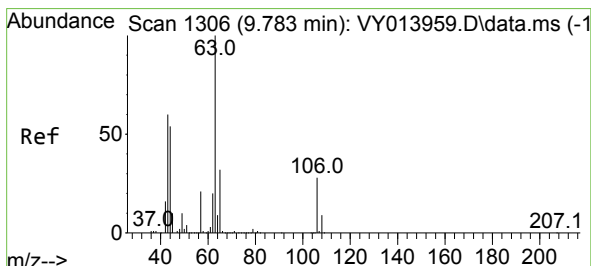
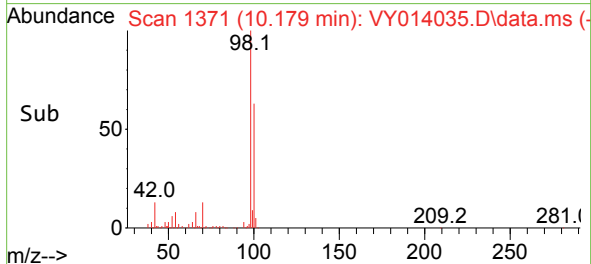
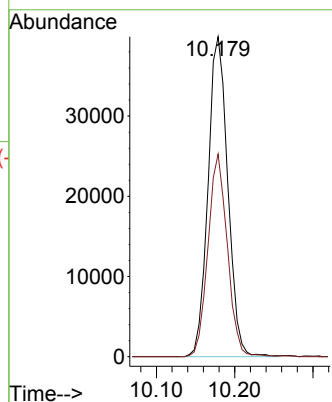
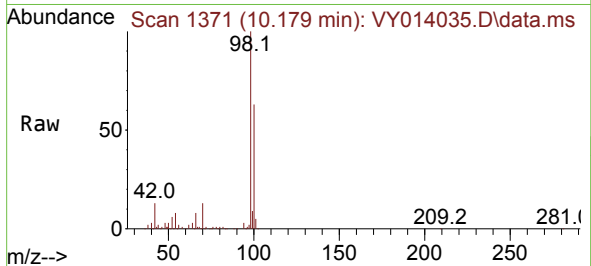




#50
Toluene-d8
Concen: 49.713 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

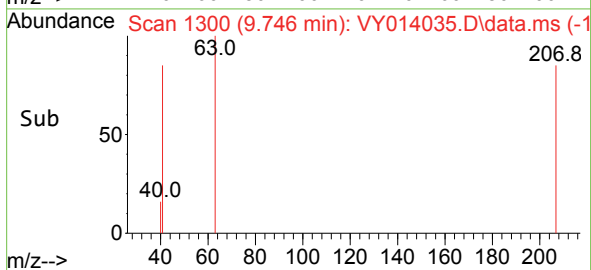
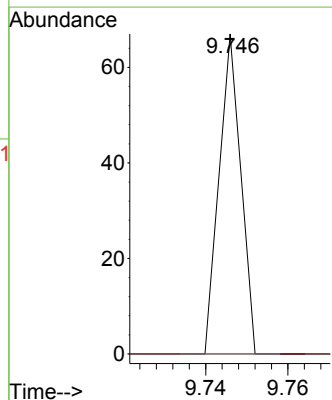
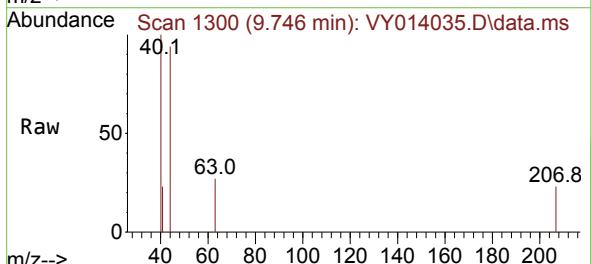
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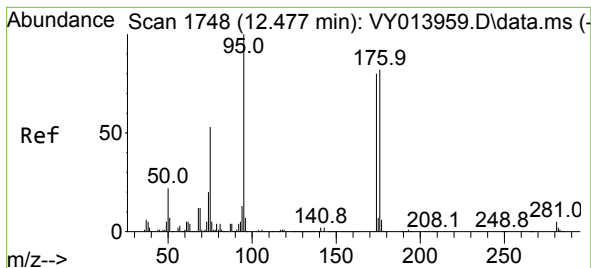
Tgt Ion: 98 Resp: 69829
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 23.197 ug/l
RT: 9.746 min Scan# 1300
Delta R.T. -0.037 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#





#62

4-Bromofluorobenzene

Concen: 36.617 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014035.D

Acq: 06 Jun 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

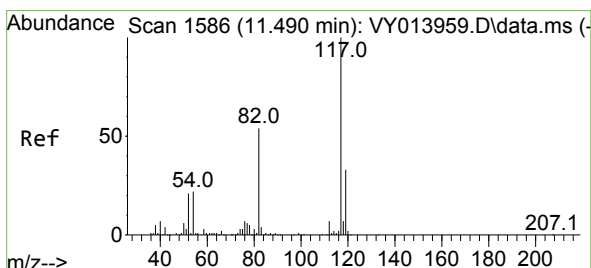
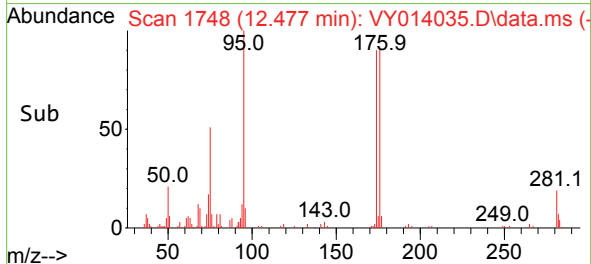
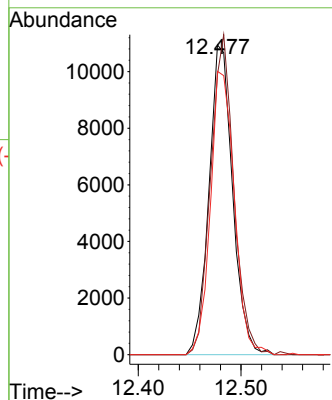
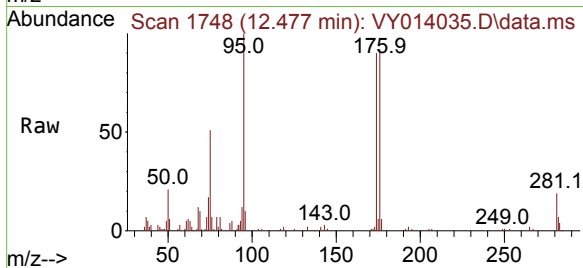
Tgt Ion: 95 Resp: 17535

Ion Ratio Lower Upper

95 100

174 101.1 0.0 178.2

176 92.7 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY014035.D

Acq: 06 Jun 2023 16:59

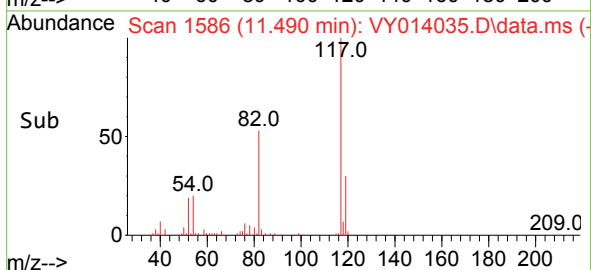
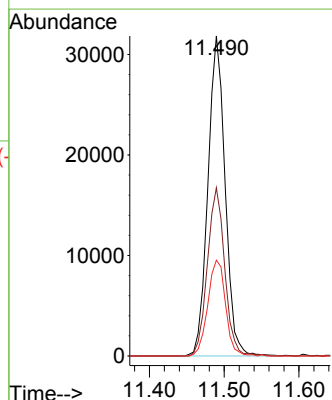
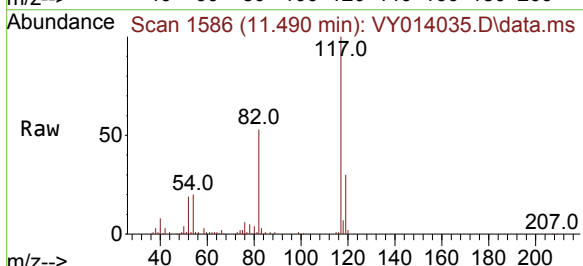
Tgt Ion: 117 Resp: 50917

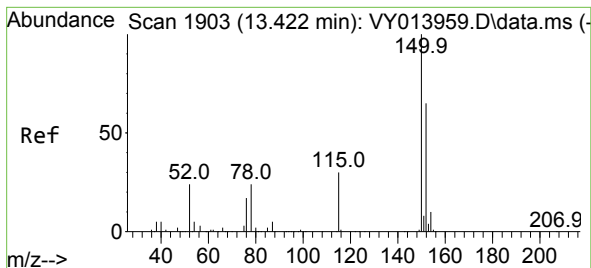
Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 30.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014035.D

Acq: 06 Jun 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

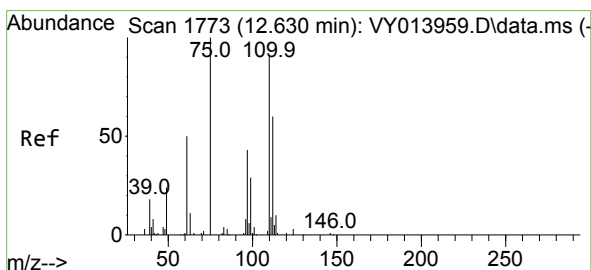
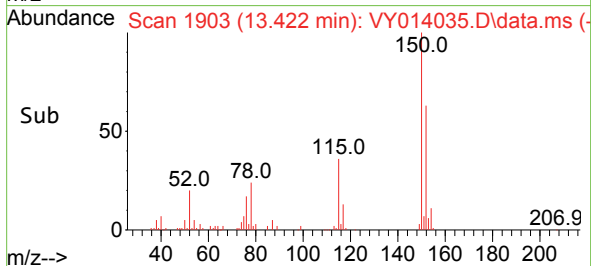
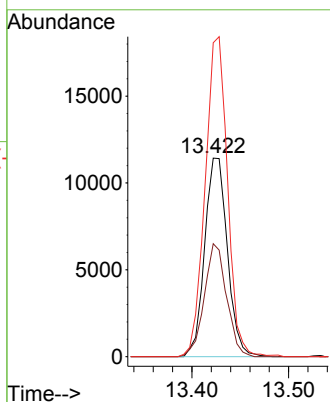
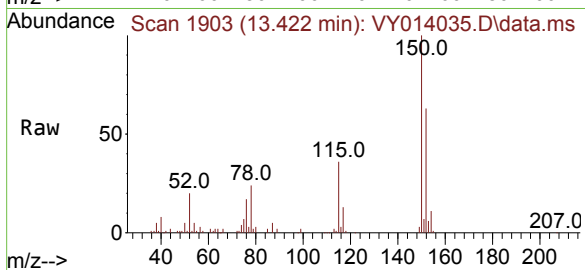
Tgt Ion:152 Resp: 18711

Ion Ratio Lower Upper

152 100

115 55.6 28.8 86.5

150 158.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.023 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014035.D

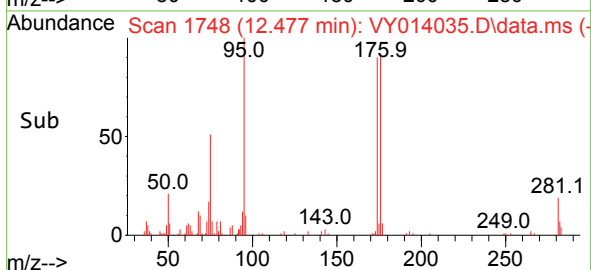
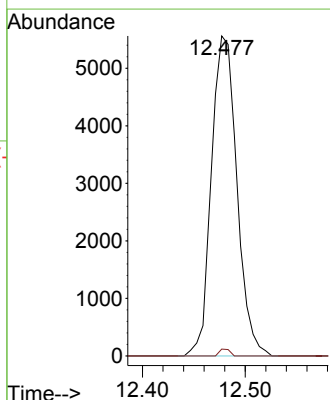
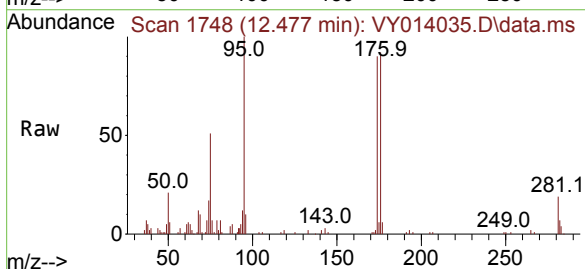
Acq: 06 Jun 2023 16:59

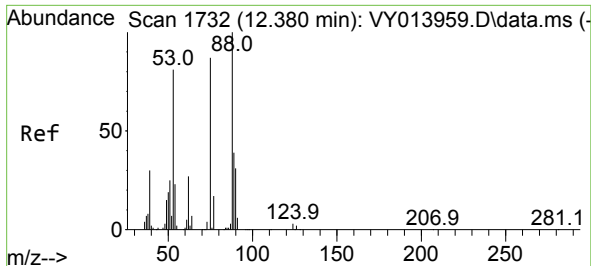
Tgt Ion: 75 Resp: 9574

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

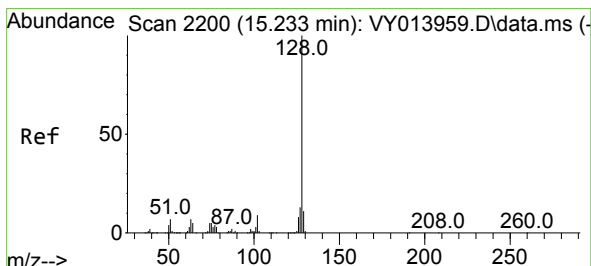
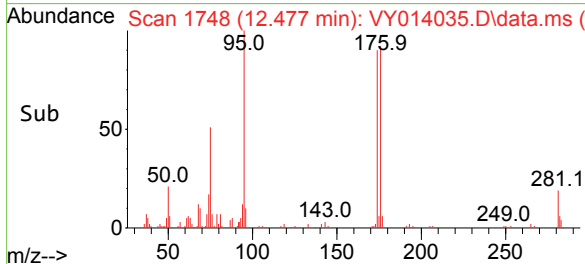
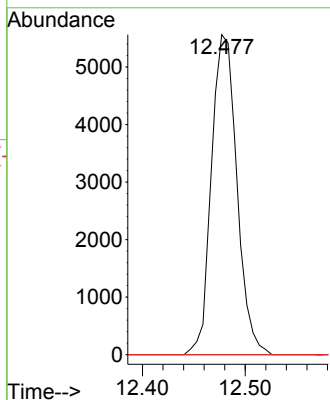
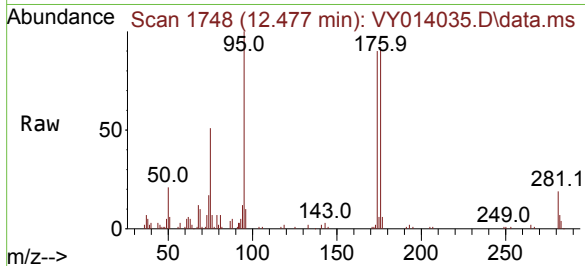




#81
trans-1,4-Dichloro-2-butene
Concen: 80.667 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-7

Tgt Ion: 75 Resp: 9574
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 3.966 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY014035.D
Acq: 06 Jun 2023 16:59

Tgt Ion: 128 Resp: 81
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

