

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014726.D
 Acq On : 20 Jul 2023 17:15
 Operator : SY/MD
 Sample : 03674-03
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-9

Quant Time: Jul 21 01:33:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

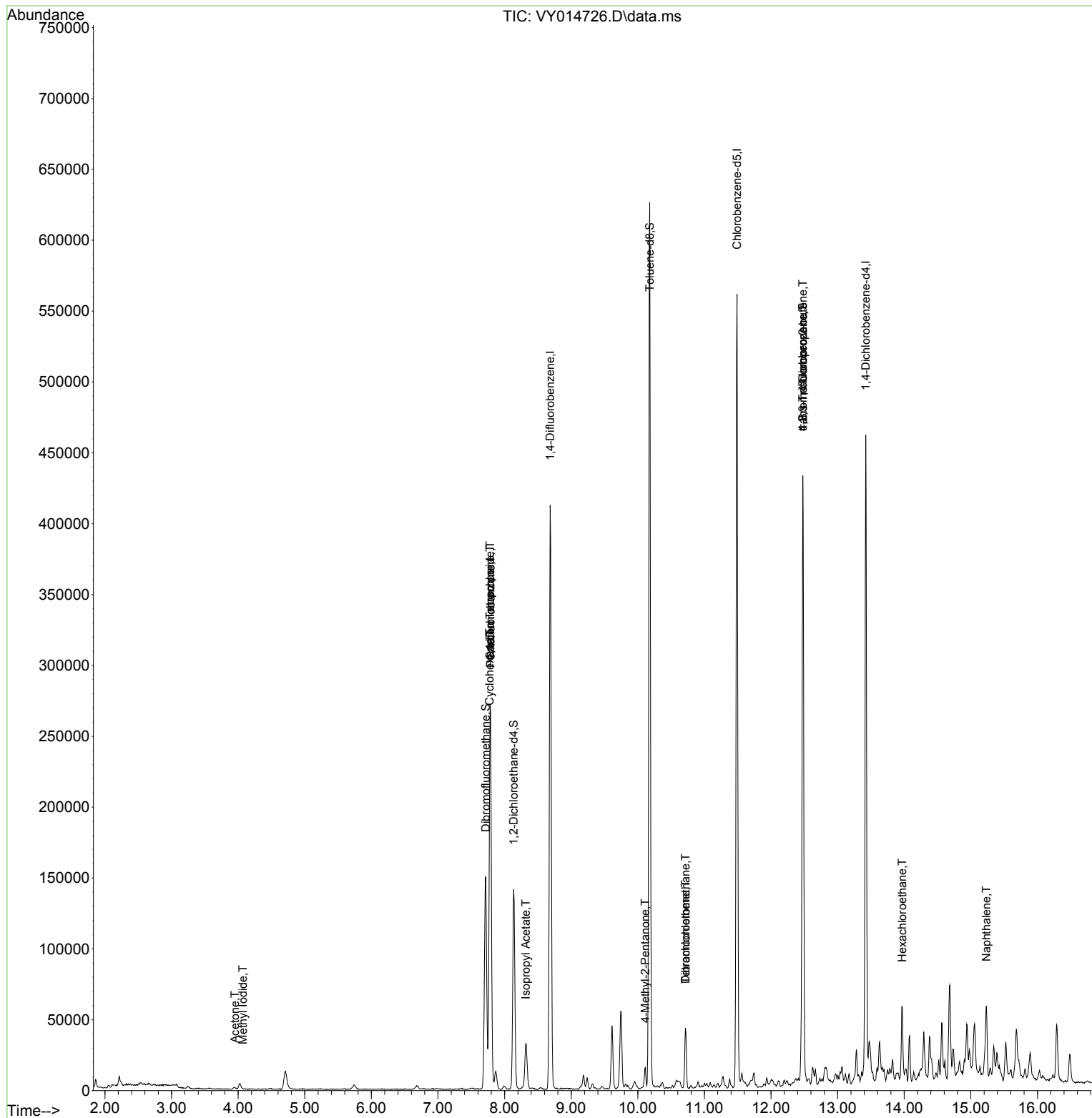
Internal Standards						
1) Pentafluorobenzene	7.789	168	215926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	301440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112904	45.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.780%
35) Dibromofluoromethane	7.716	113	105707	47.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.180%
50) Toluene-d8	10.179	98	408628	49.380	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.760%
62) 4-Bromofluorobenzene	12.477	95	133338	42.022	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.070	142	52	2.390	ug/l #	38
11) Tert butyl alcohol	4.960	59	508	Below Cal	#	89
16) Acetone	3.954	43	2344	3.006	ug/l #	85
20) Methylene Chloride	4.710	84	9538	Below Cal		88
31) Cyclohexane	7.777	56	4911	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15931	4.746	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21147	5.960	ug/l #	15
43) Isopropyl Acetate	8.319	43	6967	1.583	ug/l #	55
51) 4-Methyl-2-Pentanone	10.111	43	2381	1.030	ug/l #	75
60) Dibromochloromethane	10.715	129	7794	3.018	ug/l #	11
64) Tetrachloroethene	10.715	164	8726	3.599	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	69454	46.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69454	90.734	ug/l #	11
90) Hexachloroethane	13.971	117	1846	1.102	ug/l #	8
95) Naphthalene	15.233	128	35202	6.364	ug/l	97

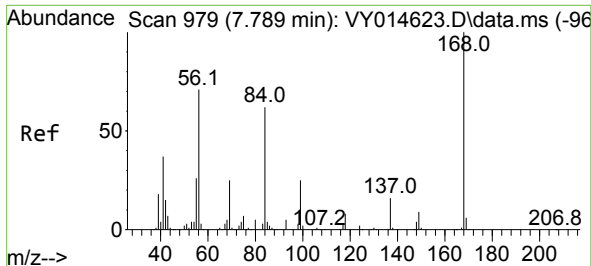
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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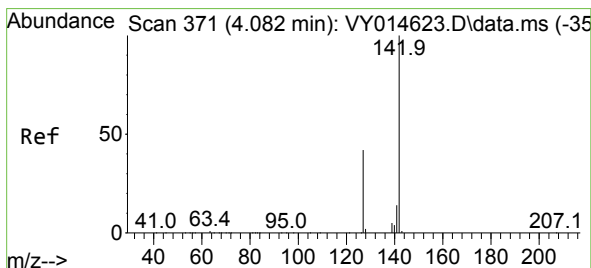
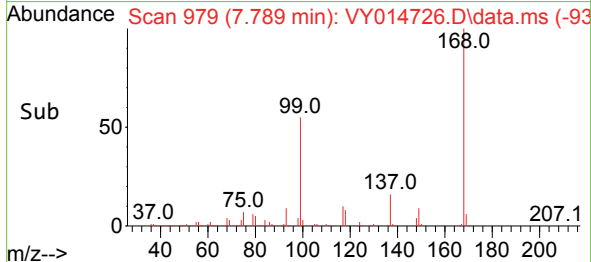
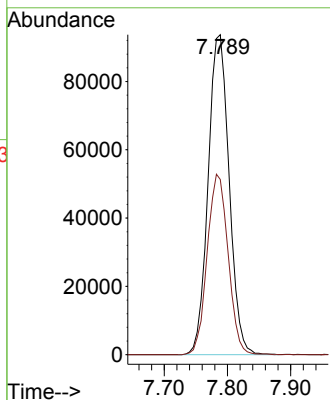
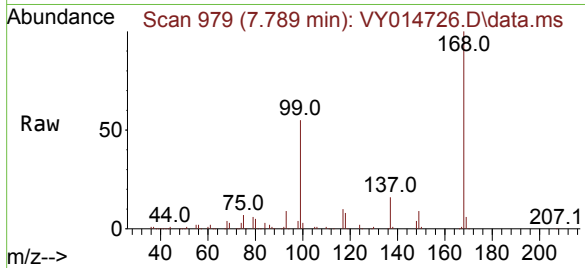




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

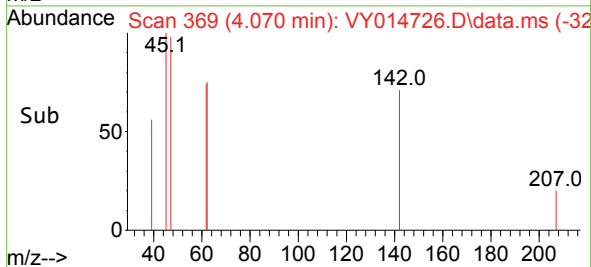
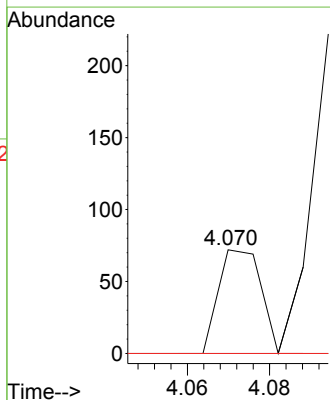
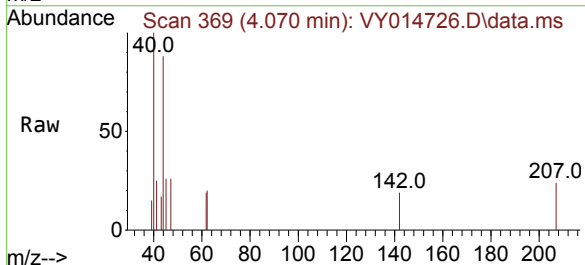
Instrument :
MSVOA_Y
ClientSampleId :
WO-9

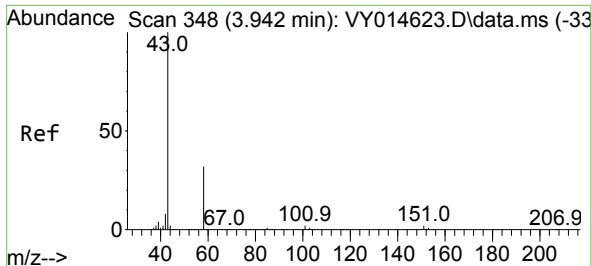
Tgt Ion:168 Resp: 215926
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.390 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.012 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 3.006 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

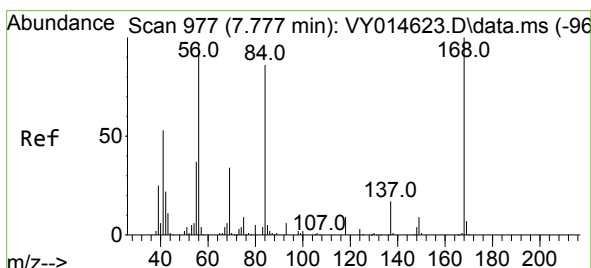
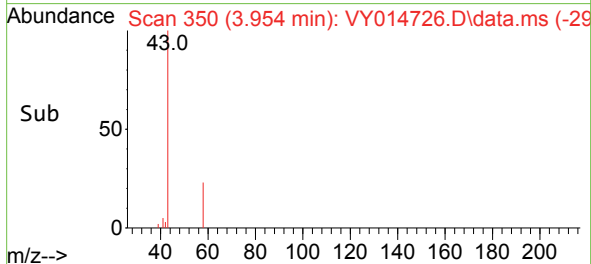
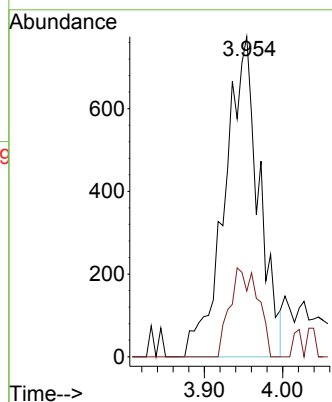
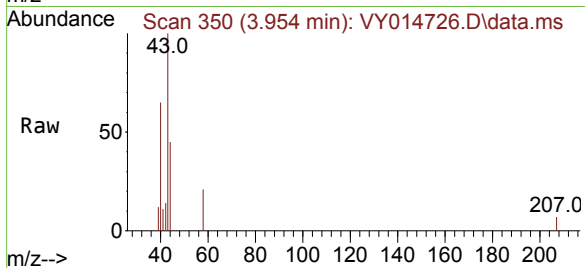
WO-9

Tgt Ion: 43 Resp: 2344

Ion Ratio Lower Upper

43 100

58 20.5 22.7 34.1#



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

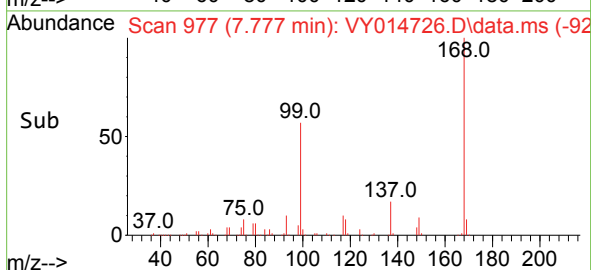
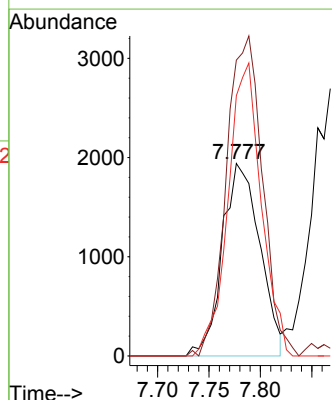
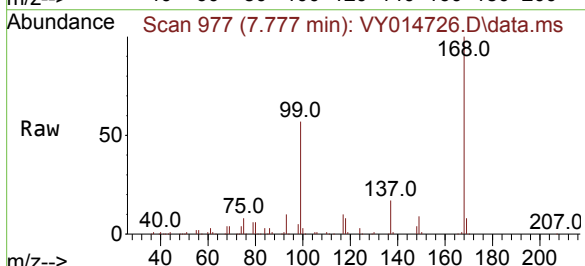
Tgt Ion: 56 Resp: 4911

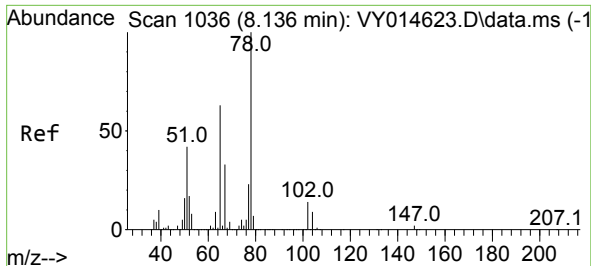
Ion Ratio Lower Upper

56 100

69 153.7 27.8 41.6#

84 135.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 45.885 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

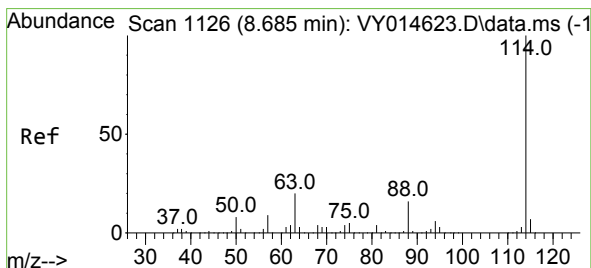
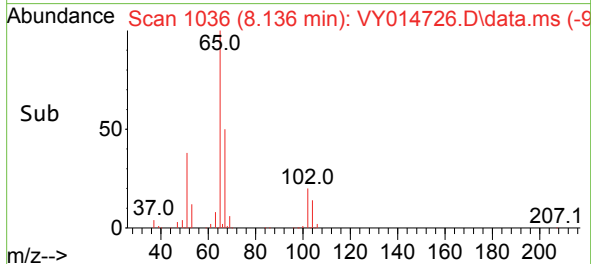
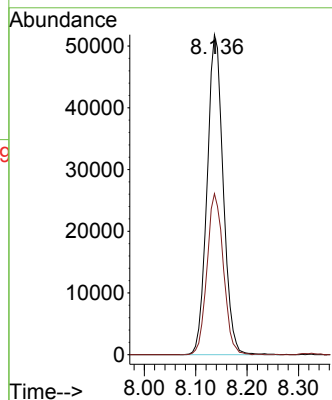
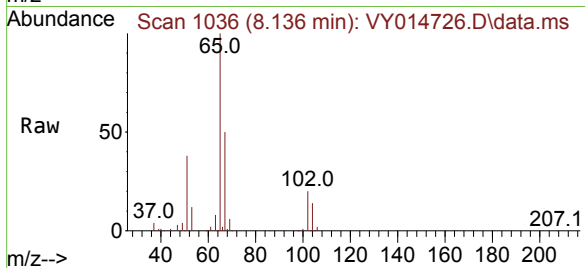
WO-9

Tgt Ion: 65 Resp: 112904

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

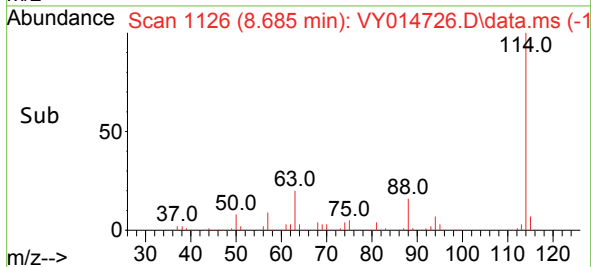
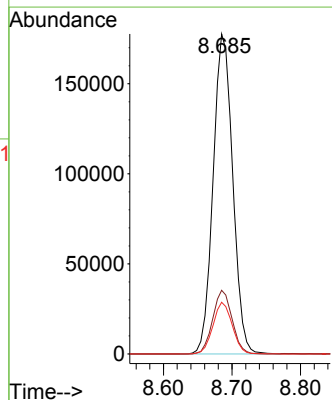
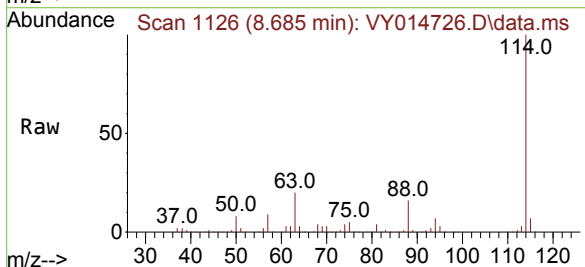
Tgt Ion: 114 Resp: 352600

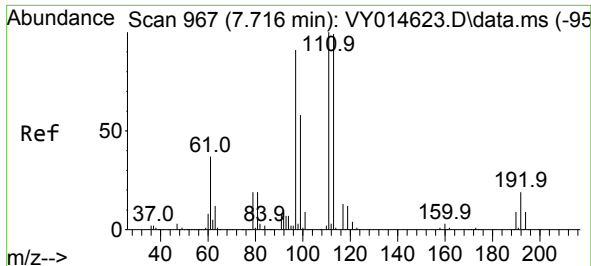
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 16.2 0.0 30.6

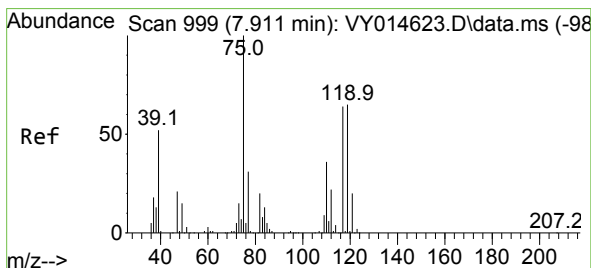
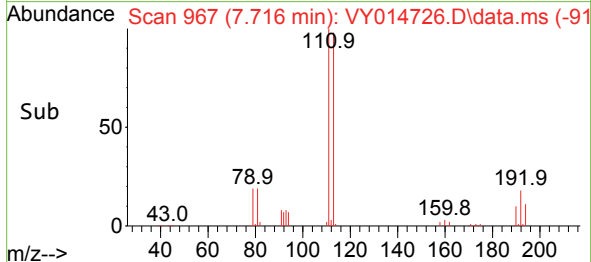
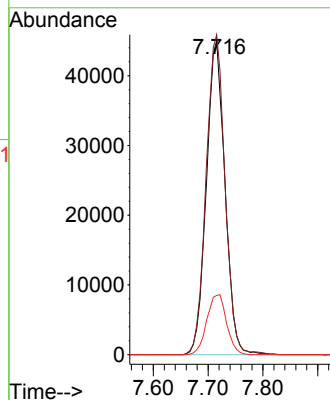
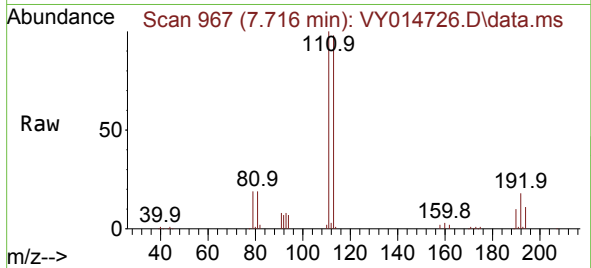




#35
Dibromofluoromethane
Concen: 47.095 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

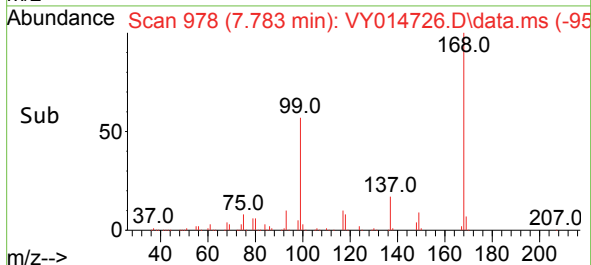
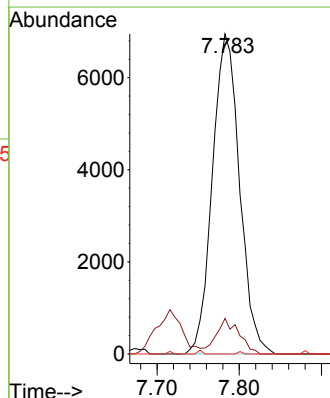
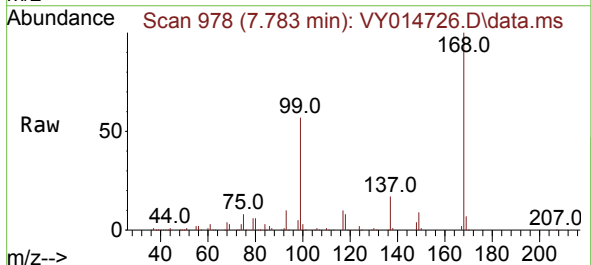
Instrument :
MSVOA_Y
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WO-9

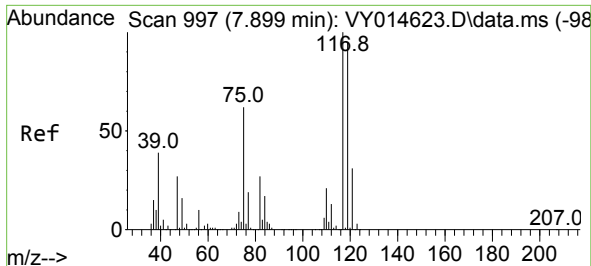
Tgt Ion:113 Resp: 105707
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Tgt Ion: 75 Resp: 15931
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.1 24.4 36.6#

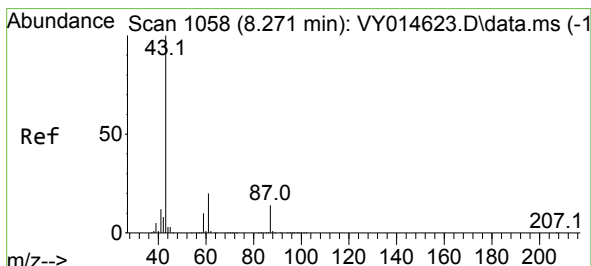
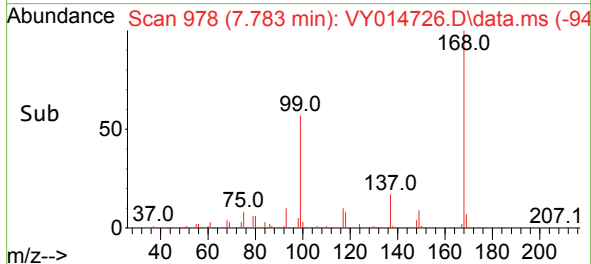
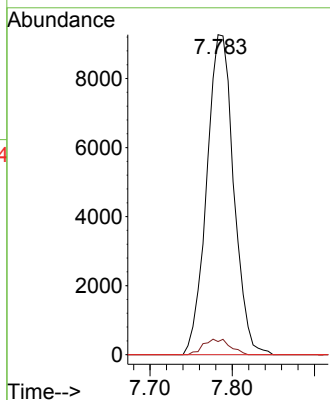
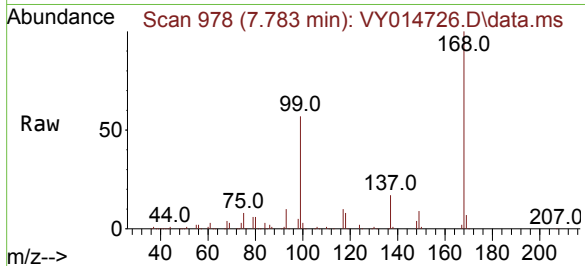




#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

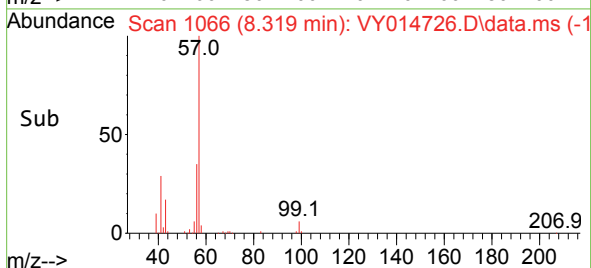
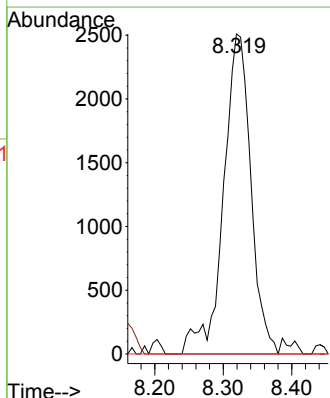
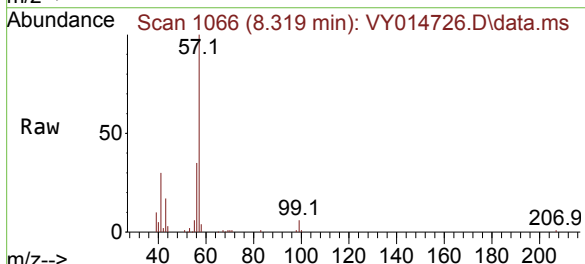
Instrument :
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ClientSampleId :
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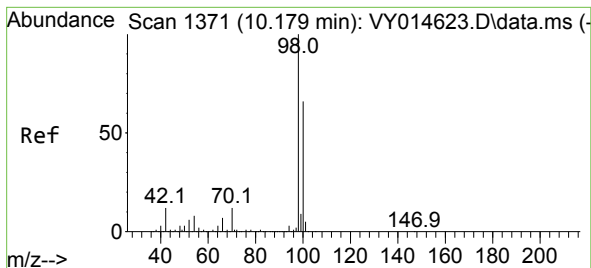
Tgt Ion:117 Resp: 21147
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 1.583 ug/l
RT: 8.319 min Scan# 1066
Delta R.T. 0.048 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Tgt Ion: 43 Resp: 6967
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 0.0 9.8 14.8#

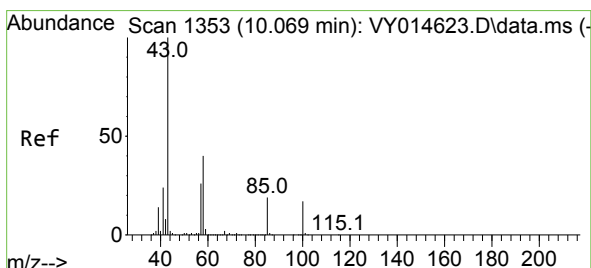
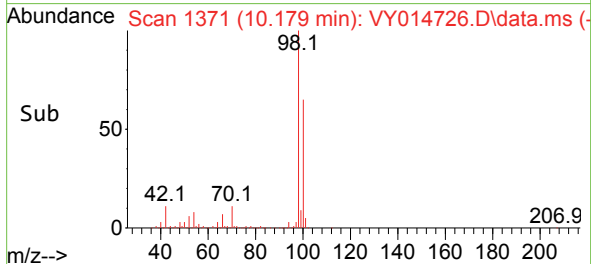
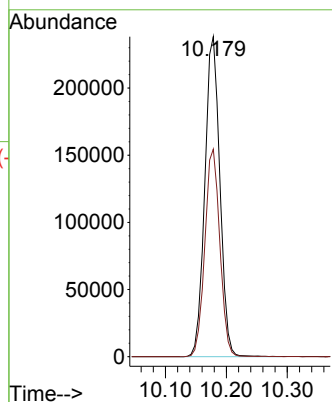
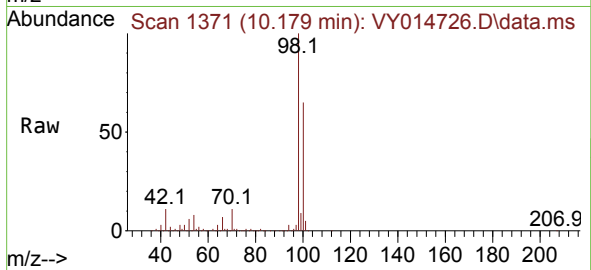




#50
Toluene-d8
Concen: 49.380 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

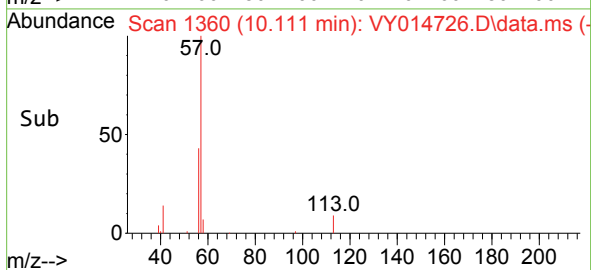
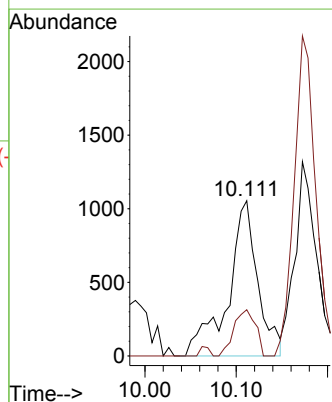
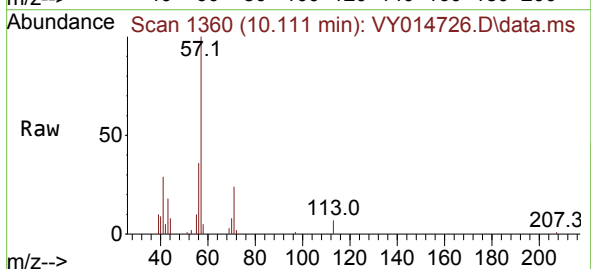
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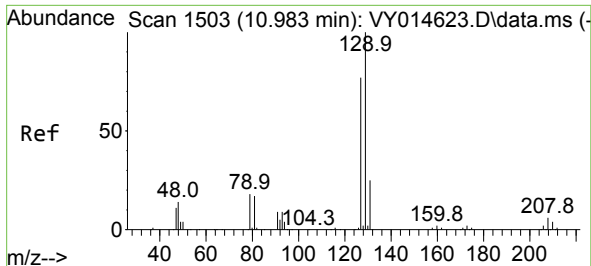
Tgt Ion: 98 Resp: 408628
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.030 ug/l
RT: 10.111 min Scan# 1360
Delta R.T. 0.042 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Tgt Ion: 43 Resp: 2381
Ion Ratio Lower Upper
43 100
58 21.8 29.0 43.6#

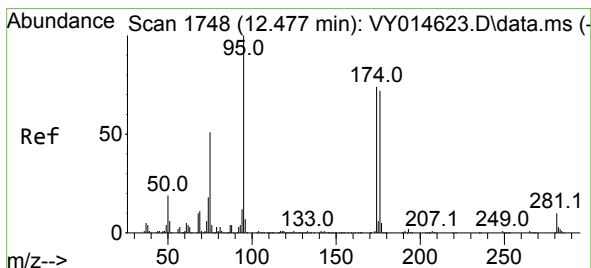
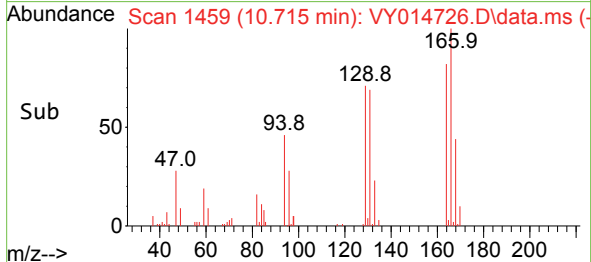
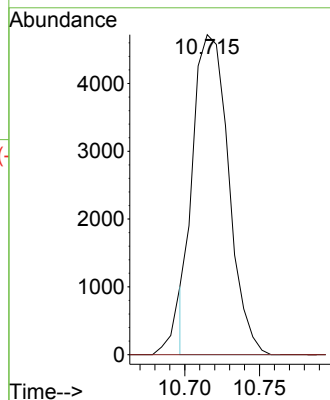
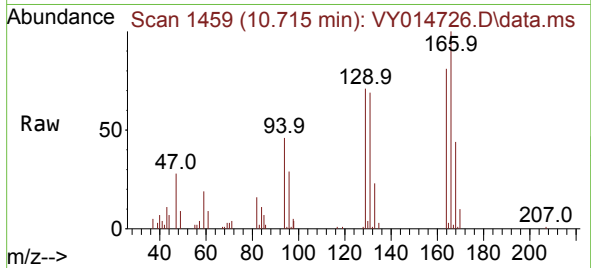




#60
Dibromochloromethane
Concen: 3.018 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.268 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

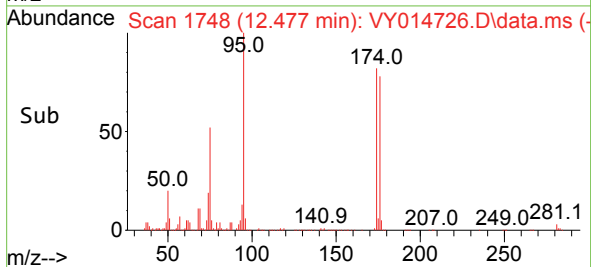
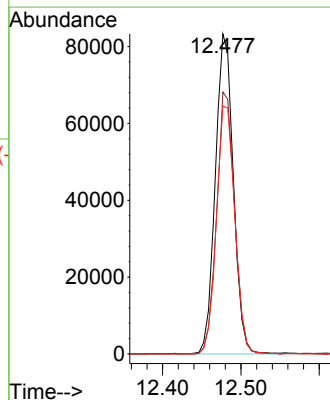
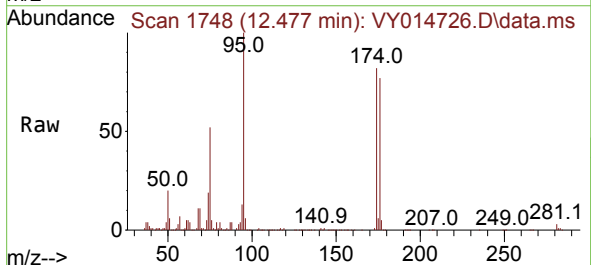
Instrument :
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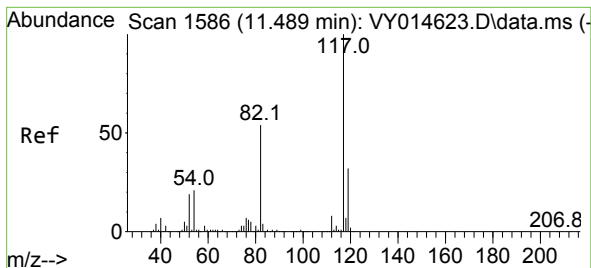
Tgt Ion:129 Resp: 7794
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 42.022 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Tgt Ion: 95 Resp: 133338
Ion Ratio Lower Upper
95 100
174 81.4 0.0 178.2
176 79.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

WO-9

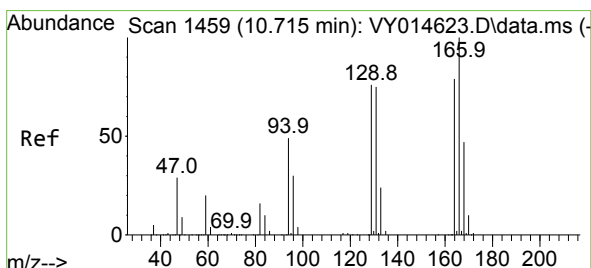
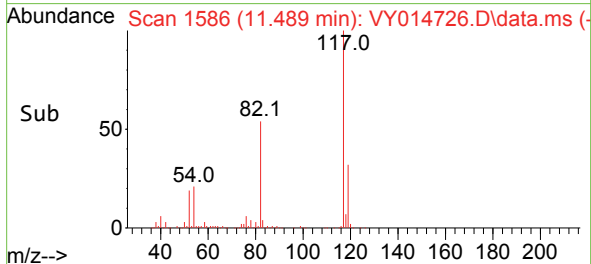
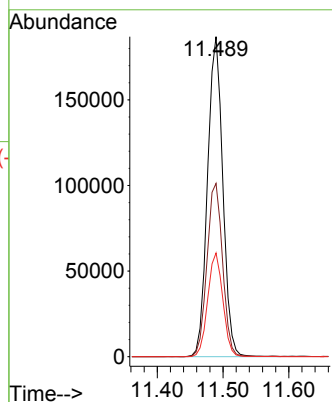
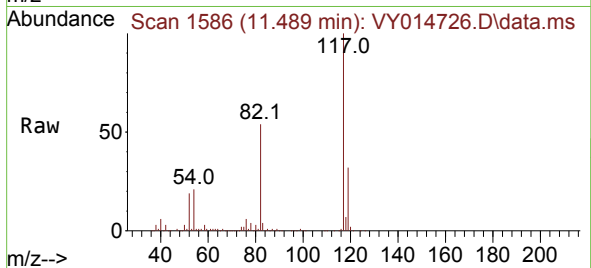
Tgt Ion:117 Resp: 301440

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.4 26.3 39.5



#64

Tetrachloroethene

Concen: 3.599 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

Tgt Ion:164 Resp: 8726

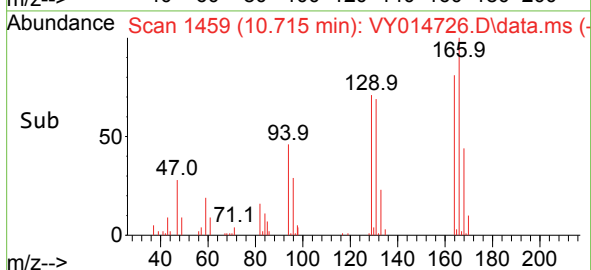
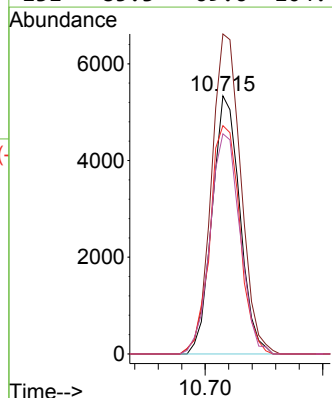
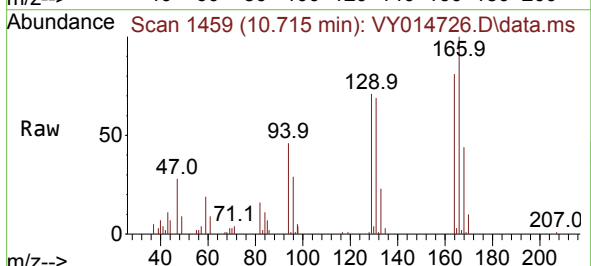
Ion Ratio Lower Upper

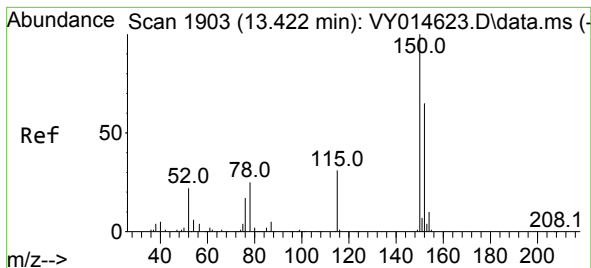
164 100

166 124.0 103.0 154.6

129 88.4 77.2 115.8

131 85.3 69.6 104.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014726.D

Acq: 20 Jul 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

WO-9

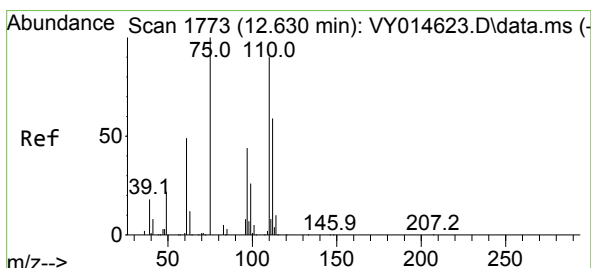
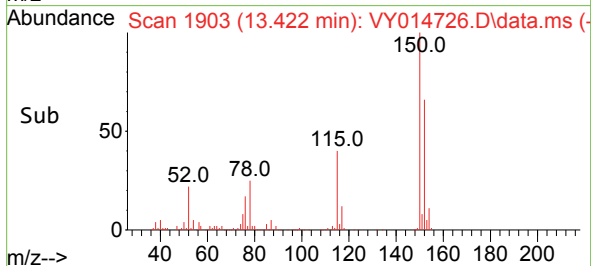
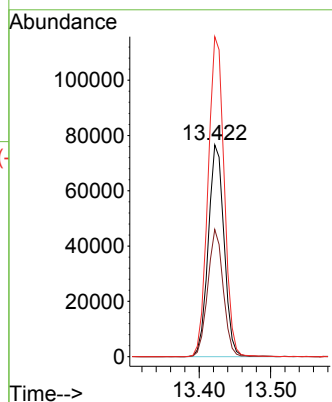
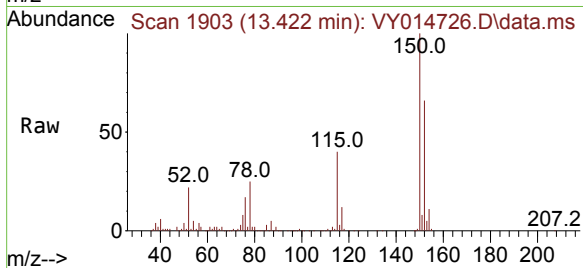
Tgt Ion:152 Resp: 117349

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 154.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 46.862 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014726.D

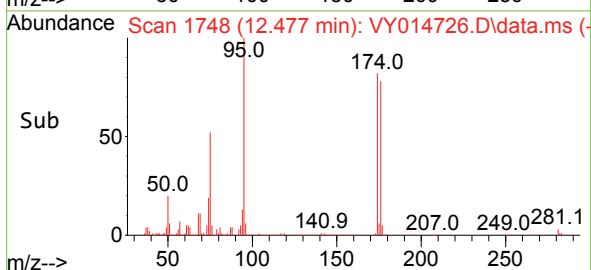
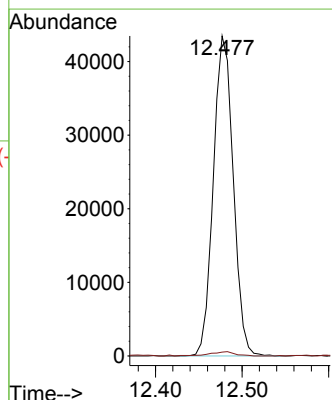
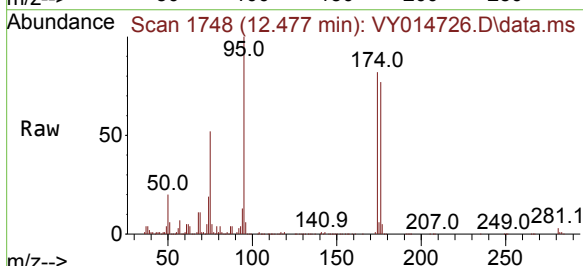
Acq: 20 Jul 2023 17:15

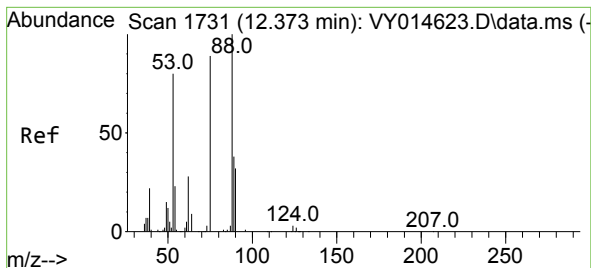
Tgt Ion: 75 Resp: 69454

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

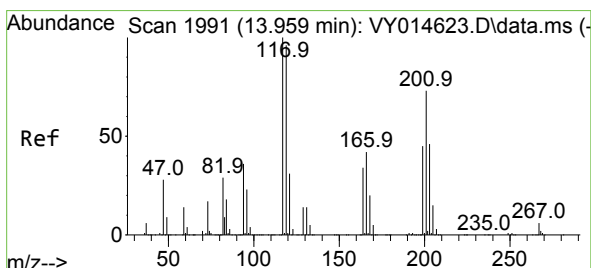
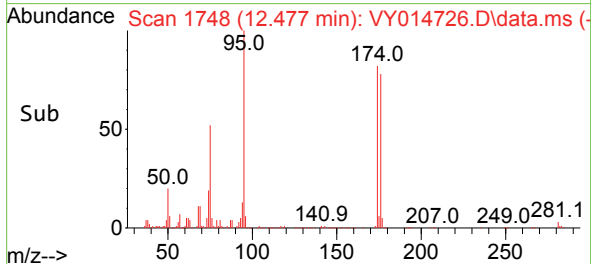
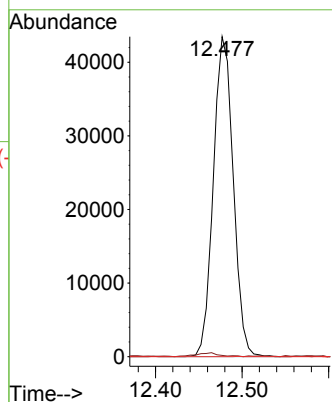
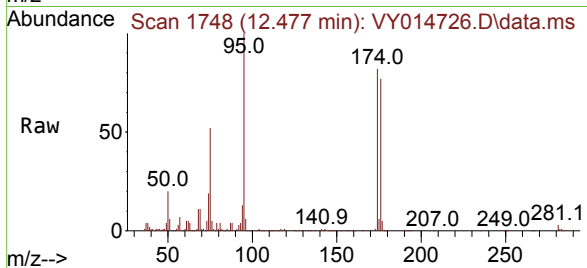




#81
trans-1,4-Dichloro-2-butene
Concen: 90.734 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

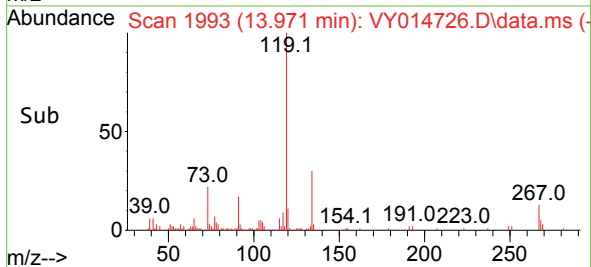
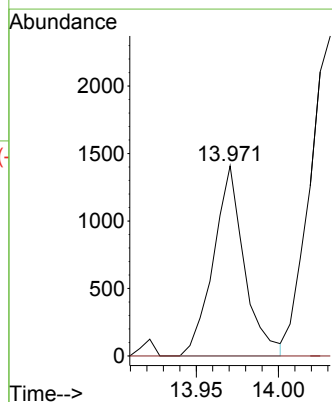
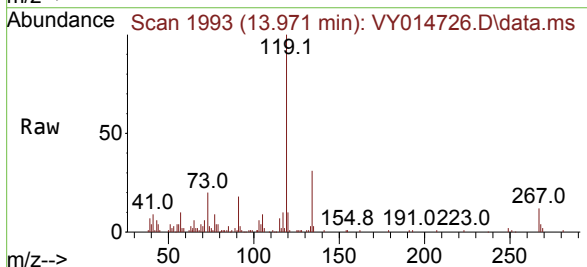
Instrument :
MSVOA_Y
ClientSampleId :
WO-9

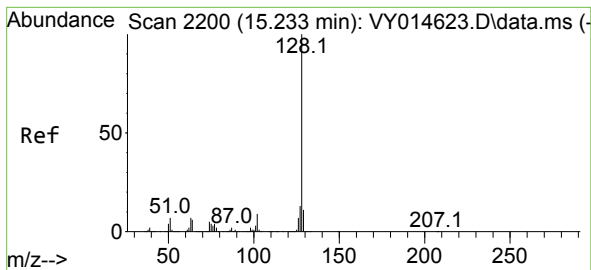
Tgt Ion: 75 Resp: 69454
Ion Ratio Lower Upper
75 100
53 1.5 77.8 116.8#
89 0.0 37.4 56.0#



#90
Hexachloroethane
Concen: 1.102 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Tgt Ion: 117 Resp: 1846
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#





#95
Naphthalene
Concen: 6.364 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014726.D
Acq: 20 Jul 2023 17:15

Instrument :
MSVOA_Y
ClientSampleId :
WO-9

Tgt Ion:	128	Resp:	35202
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	13.0	8.6	13.0

