

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015864.D
 Acq On : 06 Oct 2023 15:59
 Operator : SY/MD
 Sample : 04767-01
 Misc : 4.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:28:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

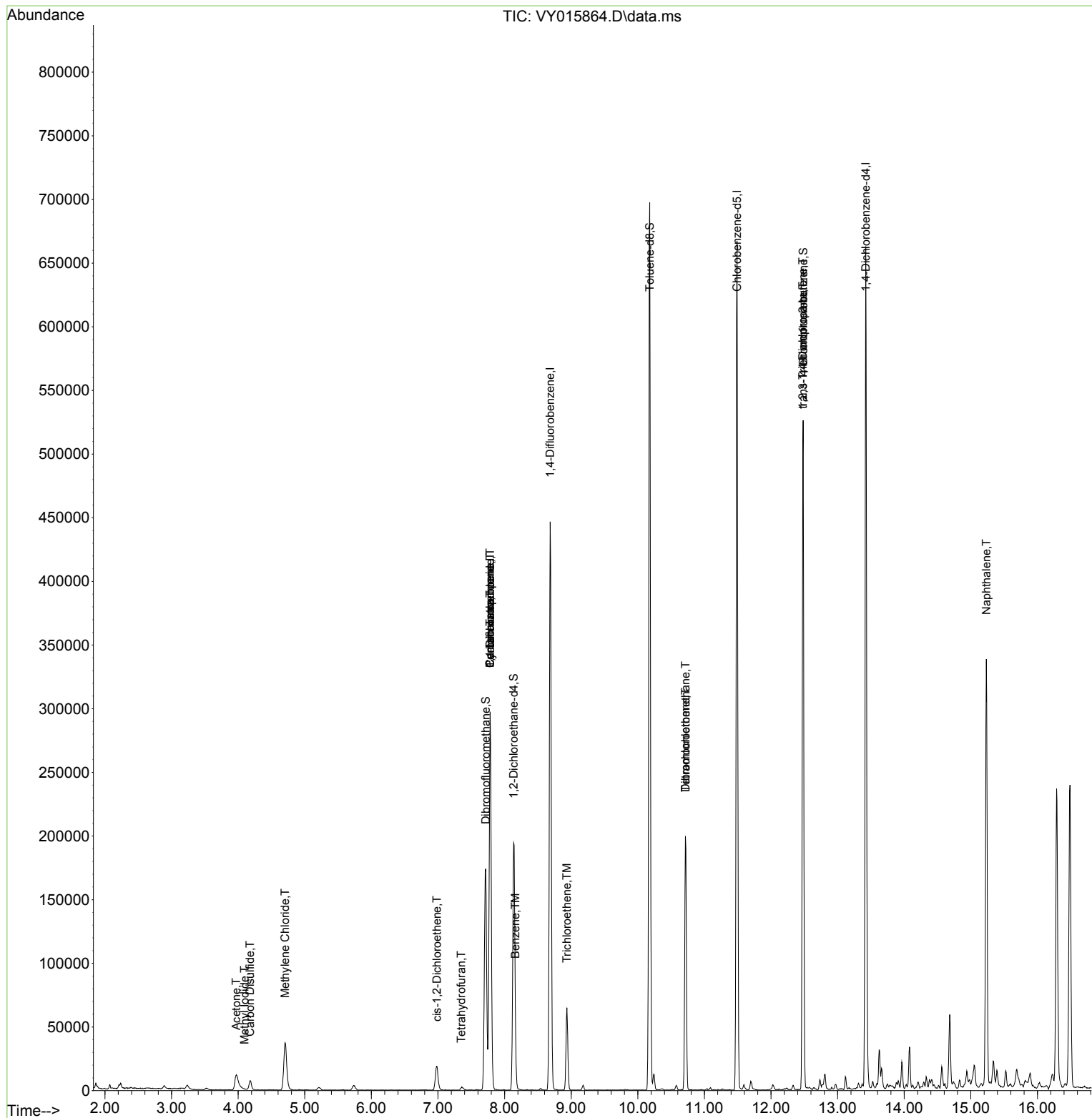
Internal Standards						
1) Pentafluorobenzene	7.783	168	224861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	392649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	362356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147533	66.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.380%
35) Dibromofluoromethane	7.716	113	126497	56.519	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.040%
50) Toluene-d8	10.179	98	461789	63.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	127.100%
62) 4-Bromofluorobenzene	12.483	95	158906	53.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.000%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	133	3.173	ug/l #	38
11) Tert butyl alcohol	4.923	59	150	Below Cal	#	89
16) Acetone	3.972	43	32825	28.639	ug/l #	83
17) Carbon Disulfide	4.180	76	14588	9.025	ug/l	99
20) Methylene Chloride	4.704	84	28923	5.814	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	12079	4.956	ug/l	84
29) Tetrahydrofuran	7.350	42	1943	2.209	ug/l #	88
31) Cyclohexane	7.783	56	4768	1.912	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16876	6.320	ug/l #	49
38) Carbon Tetrachloride	7.783	117	22838	7.274	ug/l #	16
40) Benzene	8.161	78	13435	1.603	ug/l	99
44) Trichloroethene	8.935	130	22616	9.223	ug/l	95
60) Dibromochloromethane	10.715	129	40422	14.060	ug/l #	11
64) Tetrachloroethene	10.715	164	43731	17.170	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	82230	33.662	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	82230	77.924	ug/l #	10
95) Naphthalene	15.233	128	277850	32.107	ug/l	98

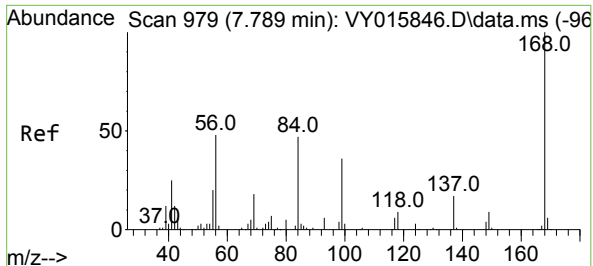
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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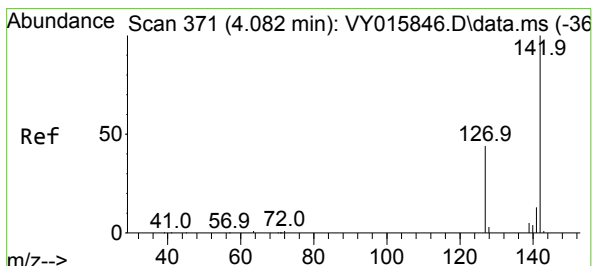
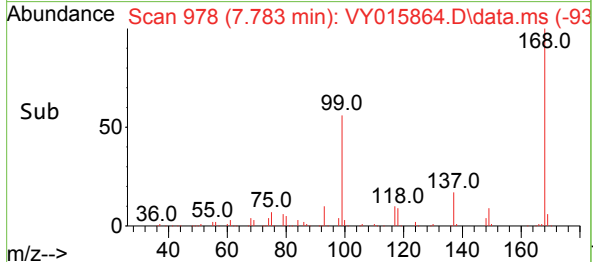
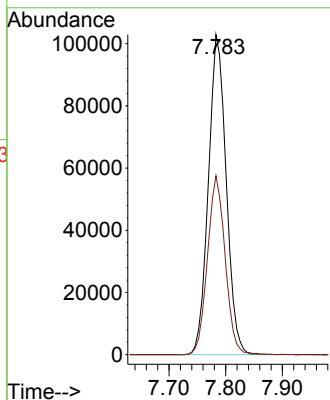
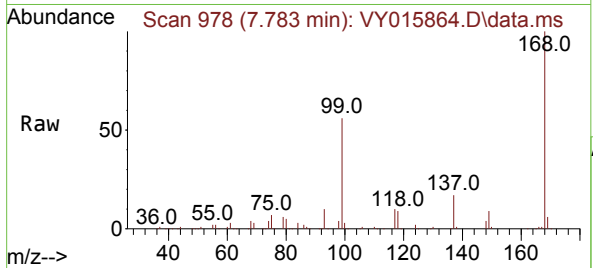




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015864.D
Acq: 06 Oct 2023 15:59

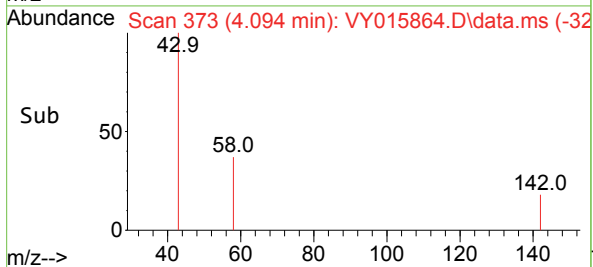
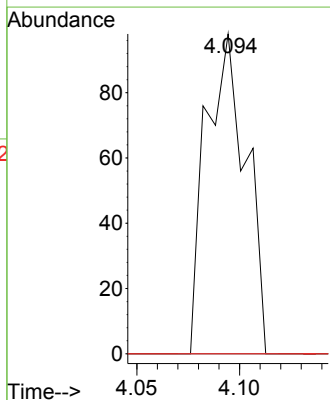
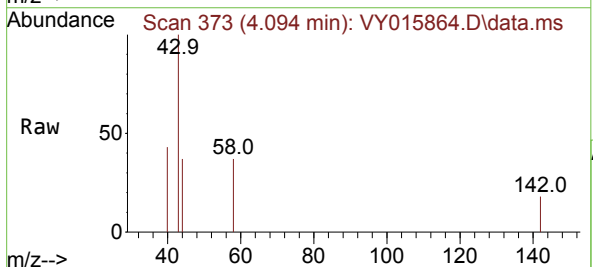
Instrument :
MSVOA_Y
ClientSampleId :

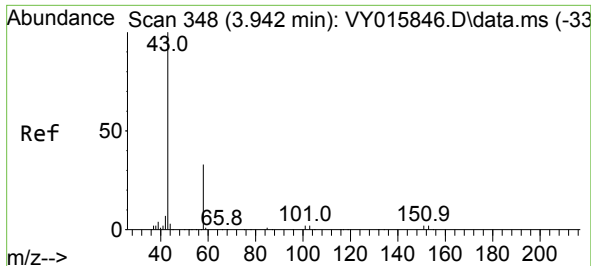
Tgt Ion:168 Resp: 224861
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#10
Methyl Iodide
Concen: 3.173 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY015864.D
Acq: 06 Oct 2023 15:59

Tgt Ion:142 Resp: 133
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 28.639 ug/l

RT: 3.972 min Scan# 31

Delta R.T. 0.030 min

Lab File: VY015864.D

Acq: 06 Oct 2023 15:59

Instrument :

MSVOA_Y

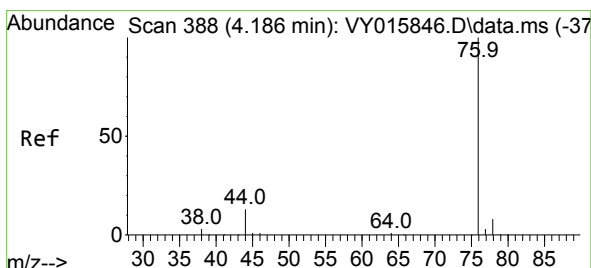
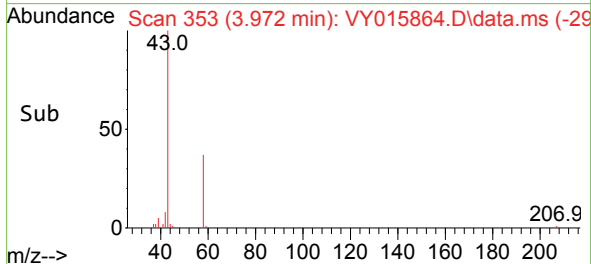
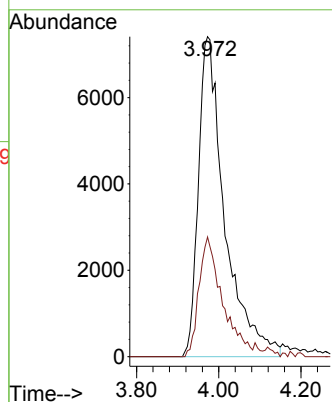
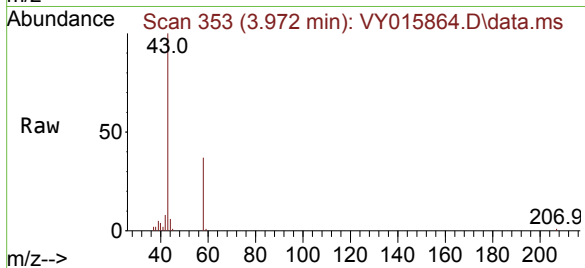
ClientSampleId :

Tgt Ion: 43 Resp: 32825

Ion Ratio Lower Upper

43 100

58 37.4 22.7 34.1#



#17

Carbon Disulfide

Concen: 9.025 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY015864.D

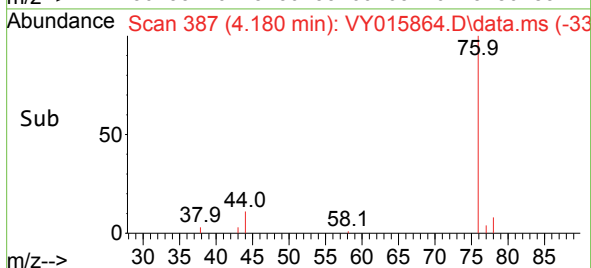
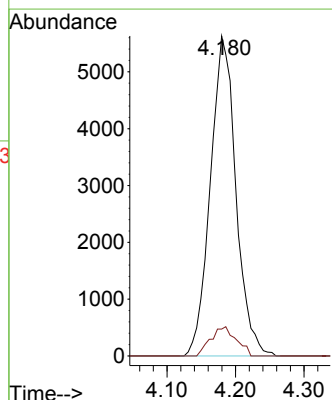
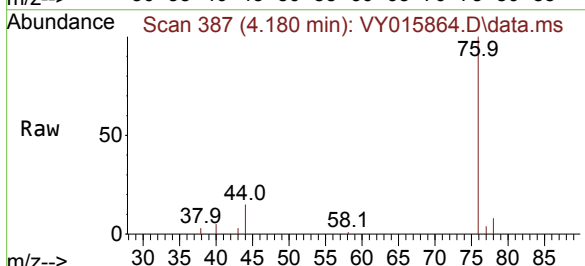
Acq: 06 Oct 2023 15:59

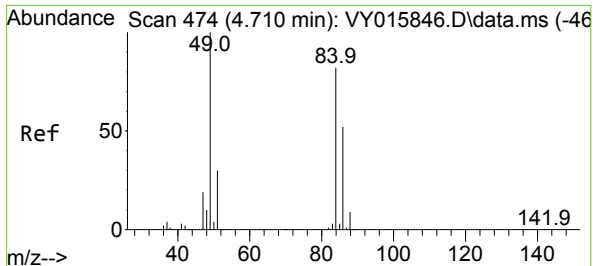
Tgt Ion: 76 Resp: 14588

Ion Ratio Lower Upper

76 100

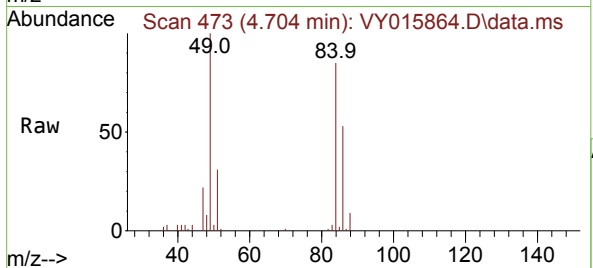
78 8.4 7.0 10.4





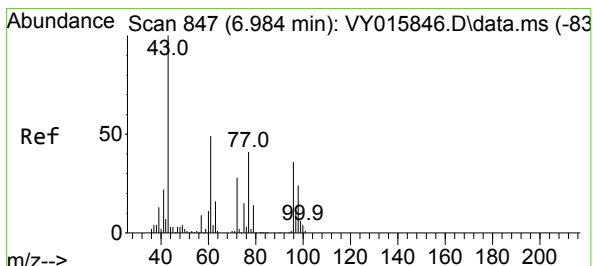
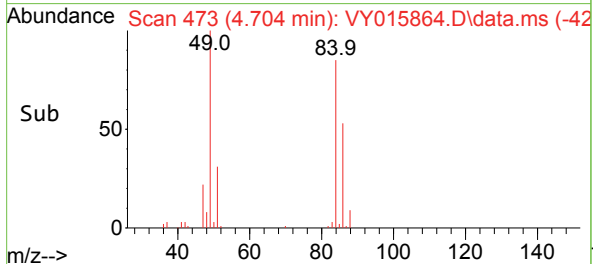
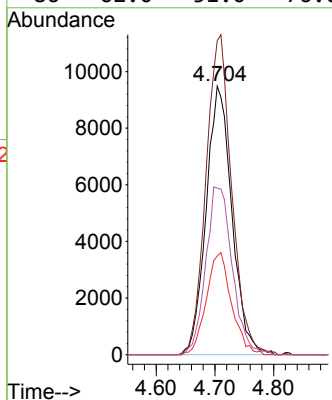
#20
Methylene Chloride
Concen: 5.814 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015864.D
Acq: 06 Oct 2023 15:59

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 28923

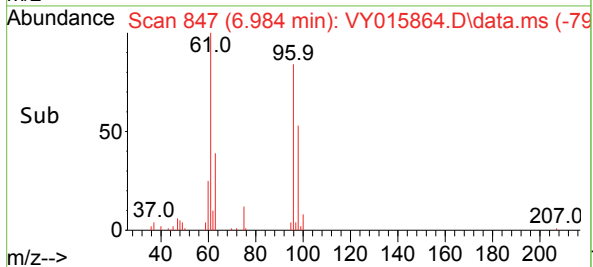
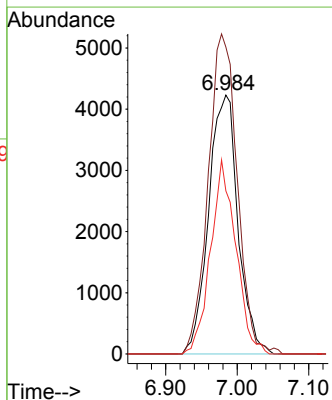
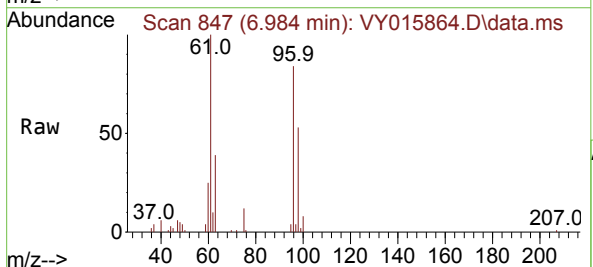
Ion	Ratio	Lower	Upper
84	100		
49	117.0	106.9	160.3
51	36.8	33.2	49.8
86	62.0	51.0	76.6

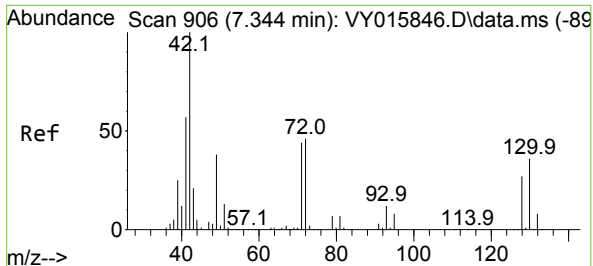


#27
cis-1,2-Dichloroethene
Concen: 4.956 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY015864.D
Acq: 06 Oct 2023 15:59

Tgt Ion: 96 Resp: 12079

Ion	Ratio	Lower	Upper
96	100		
61	122.3	0.0	301.4
98	64.6	0.0	130.4





#29

Tetrahydrofuran

Concen: 2.209 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY015864.D

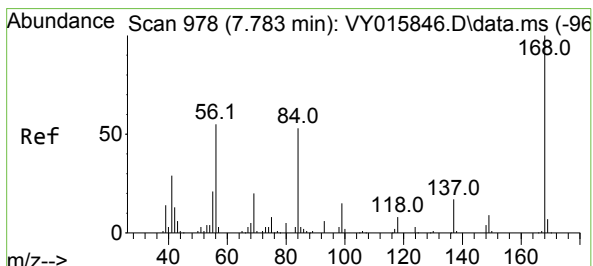
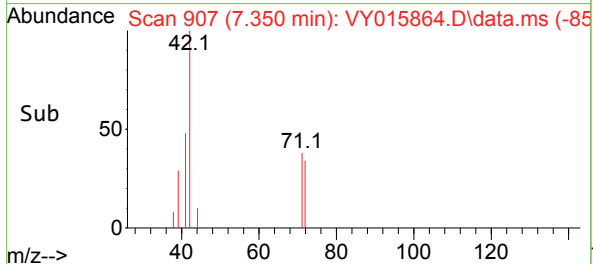
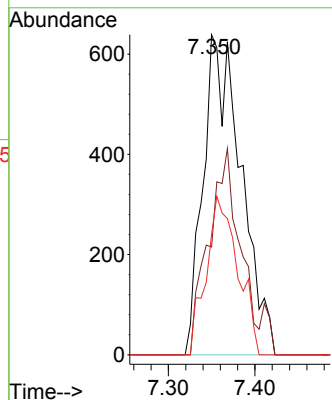
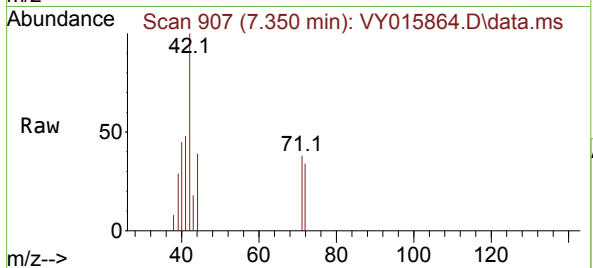
Acq: 06 Oct 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	1943
Ion	Ratio	Lower	Upper
42	100		
72	53.2	32.8	49.2#
71	41.4	31.0	46.4



#31

Cyclohexane

Concen: 1.912 ug/l

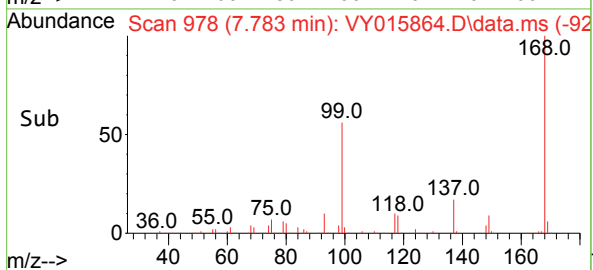
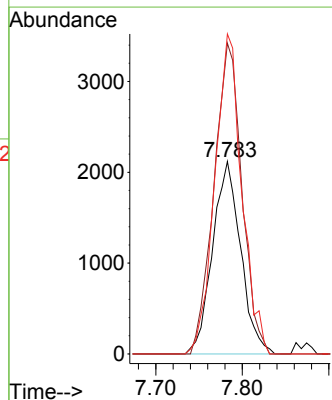
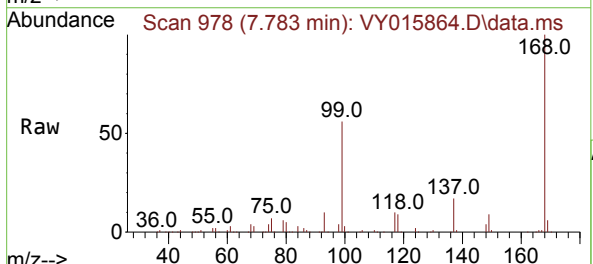
RT: 7.783 min Scan# 978

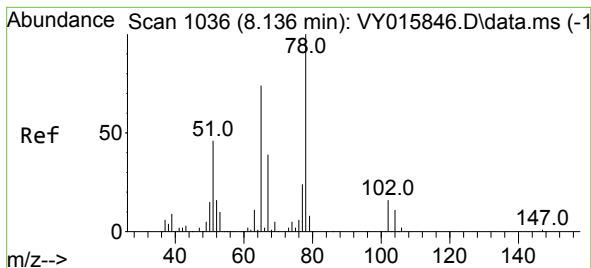
Delta R.T. 0.000 min

Lab File: VY015864.D

Acq: 06 Oct 2023 15:59

Tgt Ion:	56	Resp:	4768
Ion	Ratio	Lower	Upper
56	100		
69	161.4	27.8	41.6#
84	166.3	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 66.689 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015864.D

Acq: 06 Oct 2023 15:59

Instrument :

MSVOA_Y

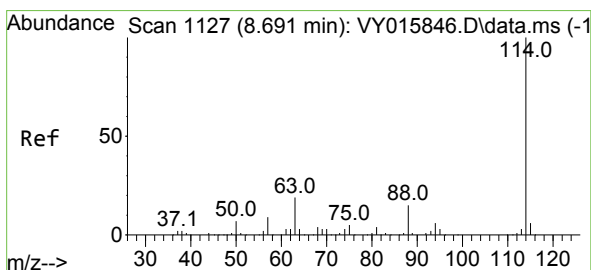
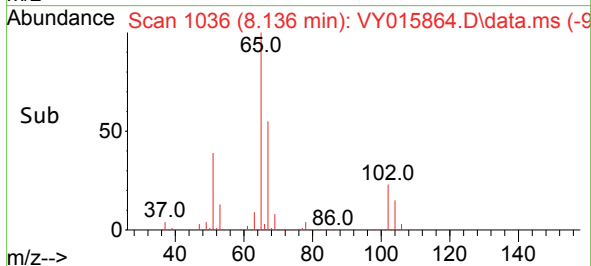
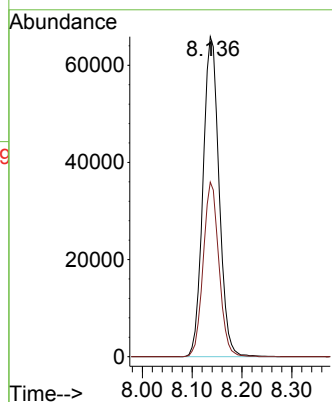
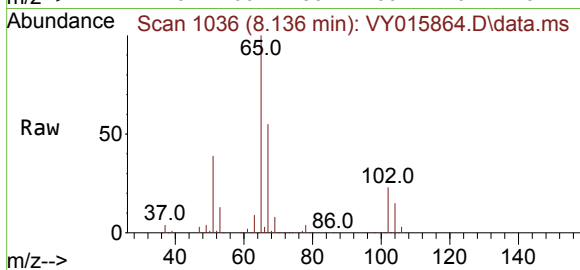
ClientSampleId :

Tgt Ion: 65 Resp: 147533

Ion Ratio Lower Upper

65 100

67 53.3 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: VY015864.D

Acq: 06 Oct 2023 15:59

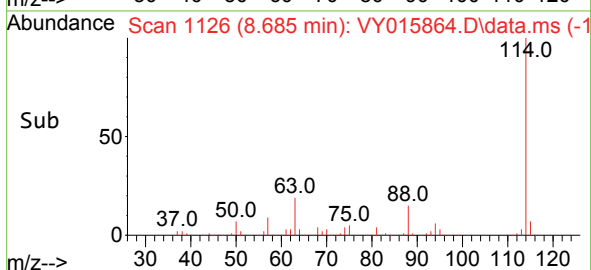
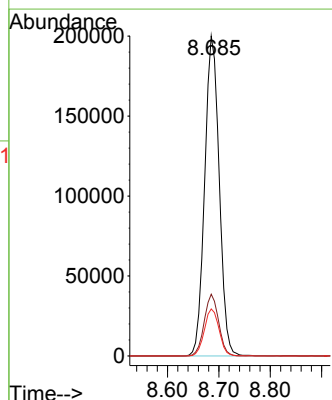
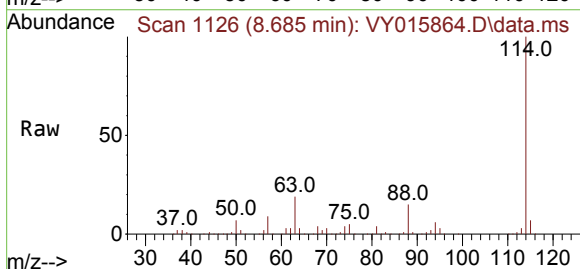
Tgt Ion: 114 Resp: 392649

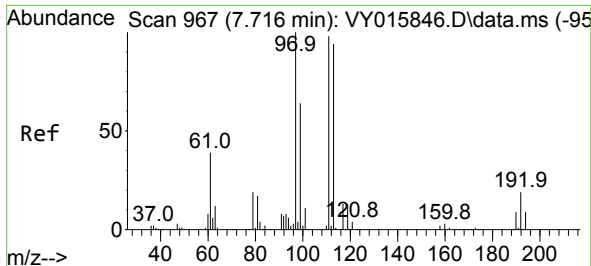
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

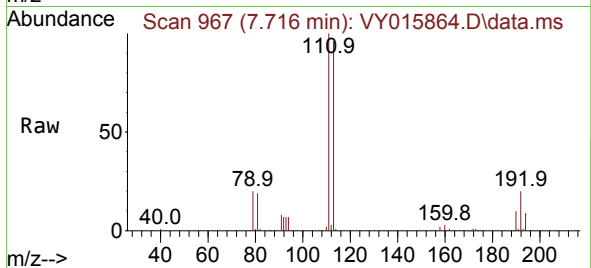
88 14.7 0.0 30.6



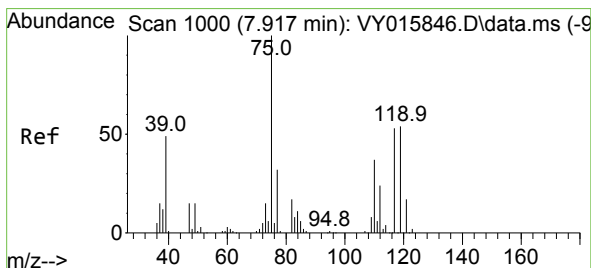
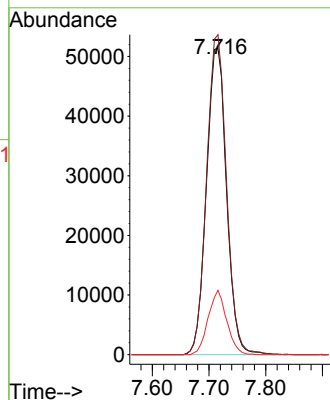
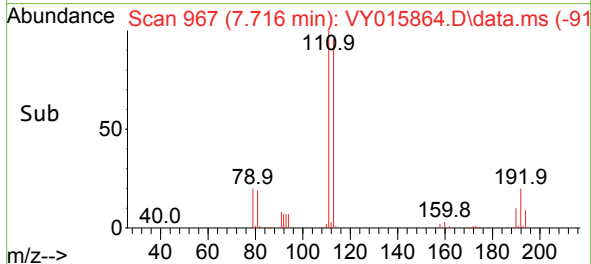


#35
 Dibromofluoromethane
 Concen: 56.519 ug/l
 RT: 7.716 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VY015864.D
 Acq: 06 Oct 2023 15:59

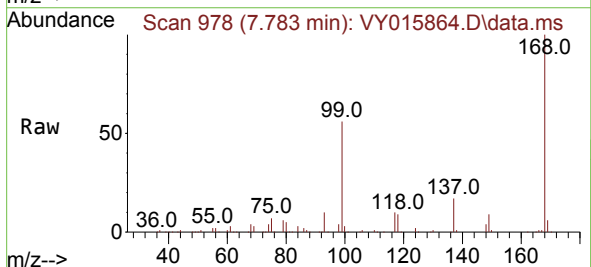
Instrument :
 MSVOA_Y
 ClientSampleId :



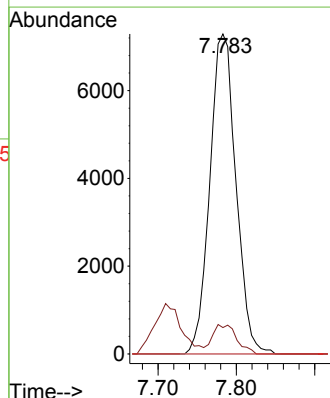
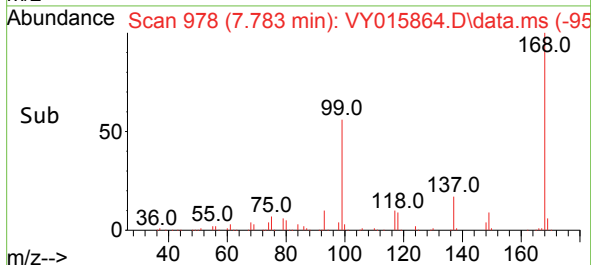
Tgt Ion:113 Resp: 126497
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.3 121.9
 192 19.4 16.9 25.3

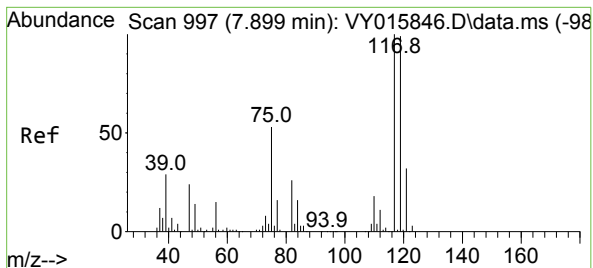


#36
 1,1-Dichloropropene
 Concen: 6.320 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.134 min
 Lab File: VY015864.D
 Acq: 06 Oct 2023 15:59



Tgt Ion: 75 Resp: 16876
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.8 53.5#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.274 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

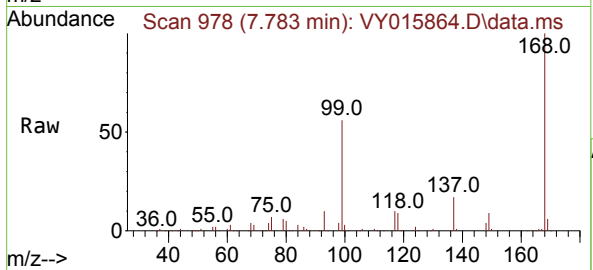
Lab File: VY015864.D

Acq: 06 Oct 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :



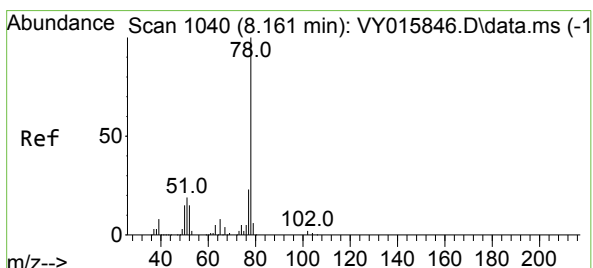
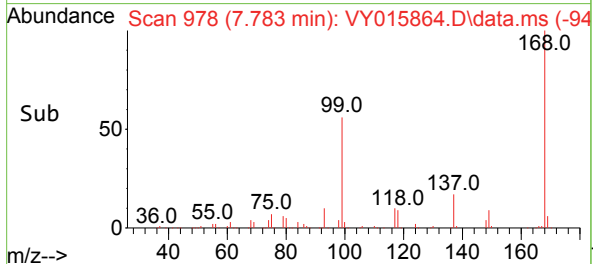
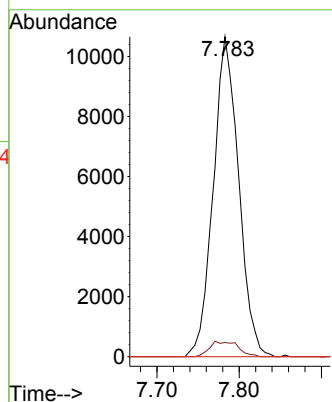
Tgt Ion:117 Resp: 22838

Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#



#40

Benzene

Concen: 1.603 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY015864.D

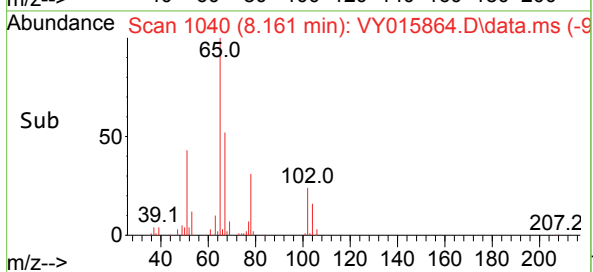
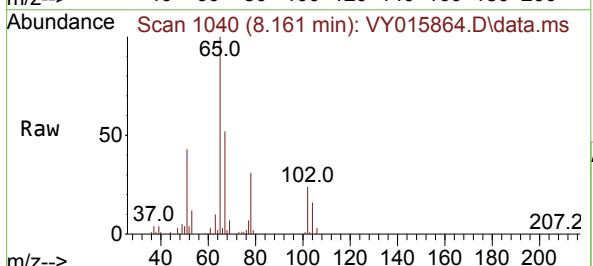
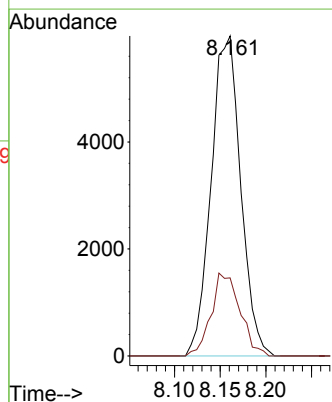
Acq: 06 Oct 2023 15:59

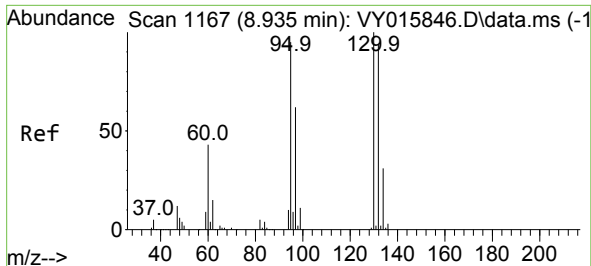
Tgt Ion: 78 Resp: 13435

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.6

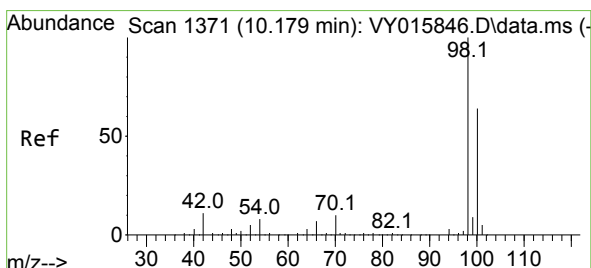
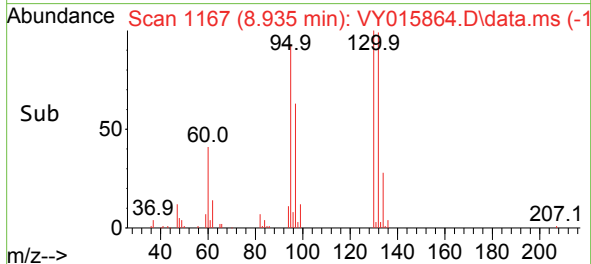
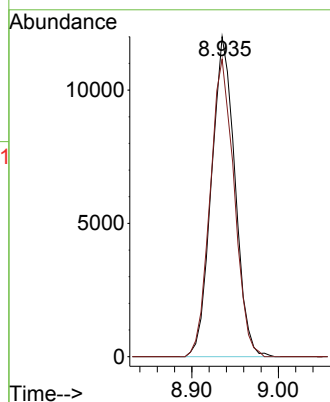
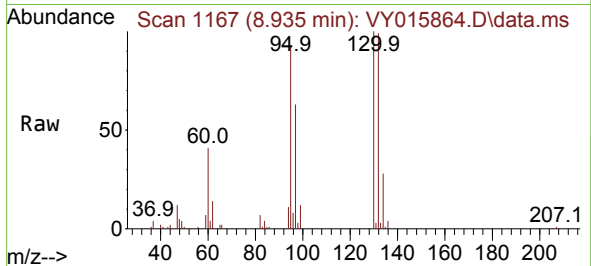




#44
Trichloroethene
Concen: 9.223 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY015864.D
Acq: 06 Oct 2023 15:59

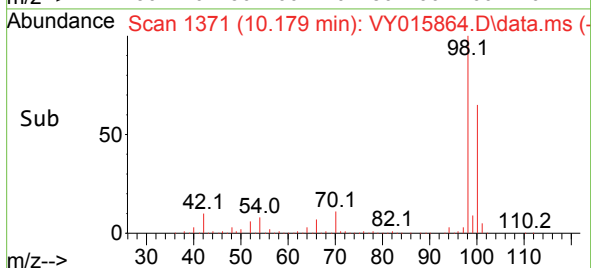
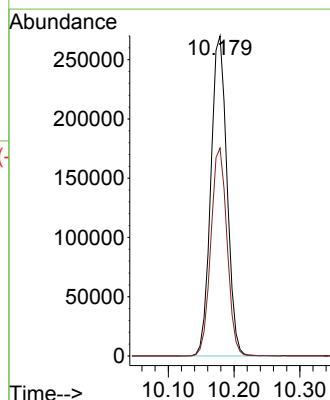
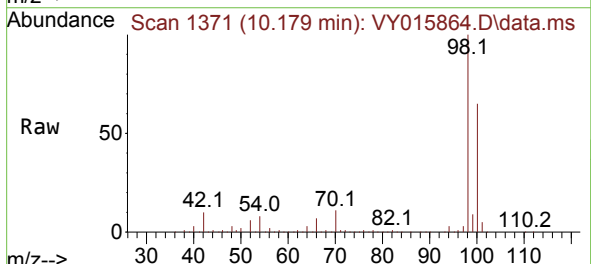
Instrument :
MSVOA_Y
ClientSampleId :

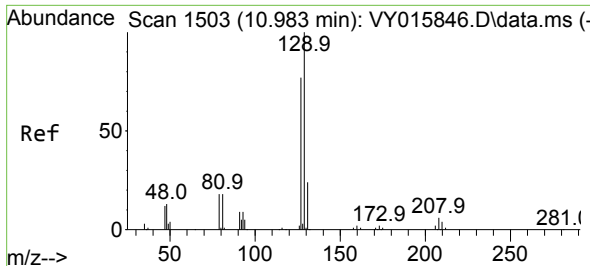
Tgt Ion:130 Resp: 22616
Ion Ratio Lower Upper
130 100
95 93.0 0.0 196.0



#50
Toluene-d8
Concen: 63.550 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015864.D
Acq: 06 Oct 2023 15:59

Tgt Ion: 98 Resp: 461789
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

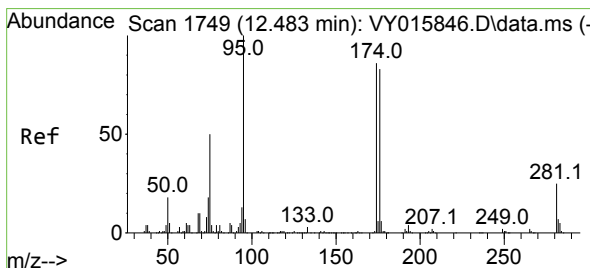
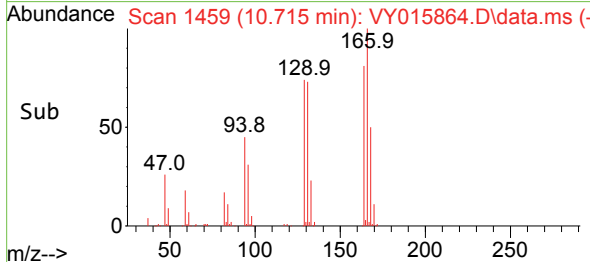
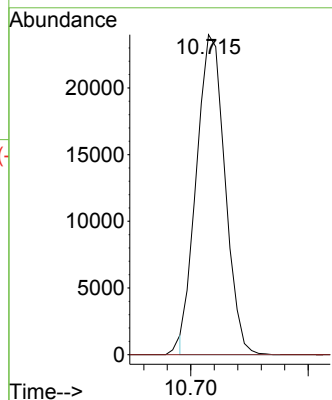
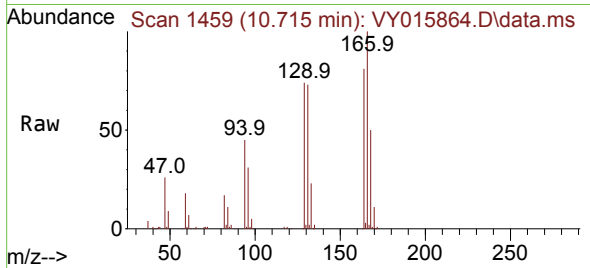




#60
 Dibromochloromethane
 Concen: 14.060 ug/l
 RT: 10.715 min Scan# 1459
 Delta R.T. -0.268 min
 Lab File: VY015864.D
 Acq: 06 Oct 2023 15:59

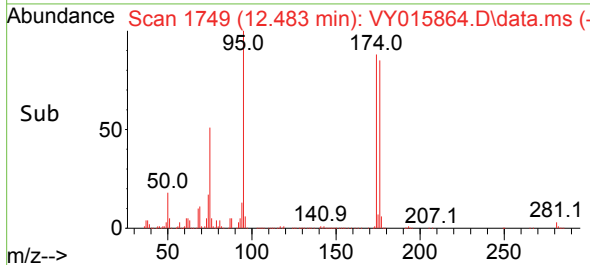
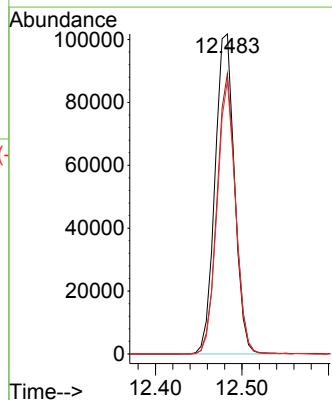
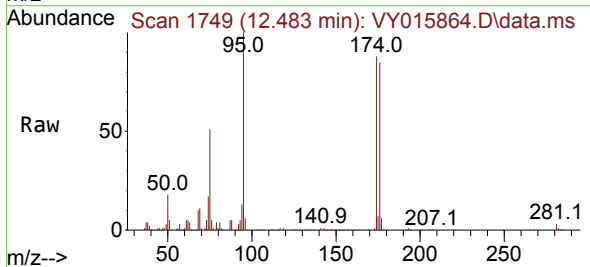
Instrument :
 MSVOA_Y
 ClientSampleId :

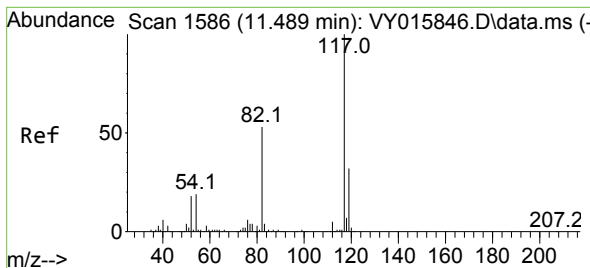
Tgt Ion:129 Resp: 40422
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#62
 4-Bromofluorobenzene
 Concen: 53.500 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VY015864.D
 Acq: 06 Oct 2023 15:59

Tgt Ion: 95 Resp: 158906
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 178.2
 176 80.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

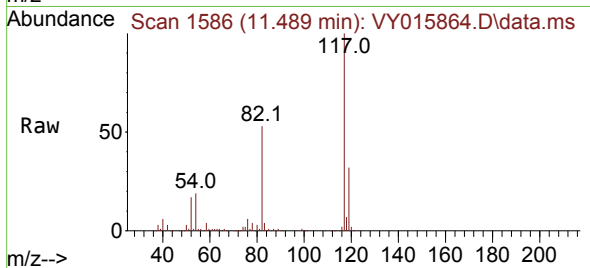
Lab File: VY015864.D

Acq: 06 Oct 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :



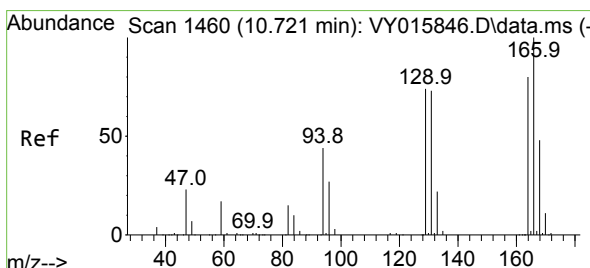
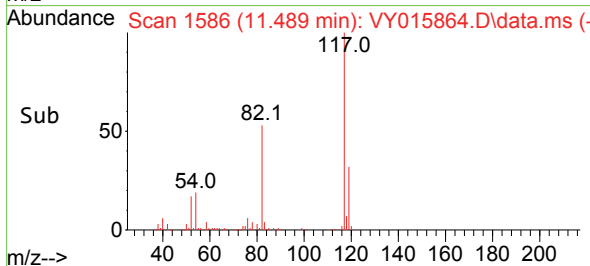
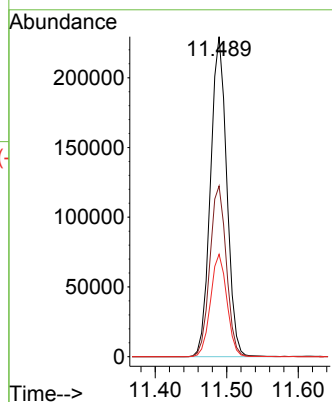
Tgt Ion:117 Resp: 362356

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.0 26.3 39.5



#64

Tetrachloroethene

Concen: 17.170 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY015864.D

Acq: 06 Oct 2023 15:59

Tgt Ion:164 Resp: 43731

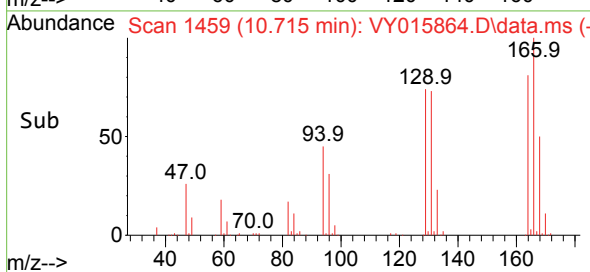
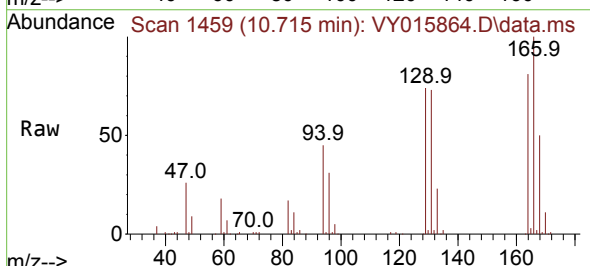
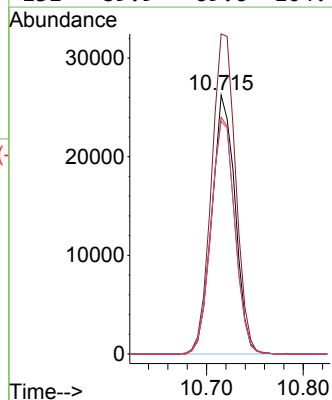
Ion Ratio Lower Upper

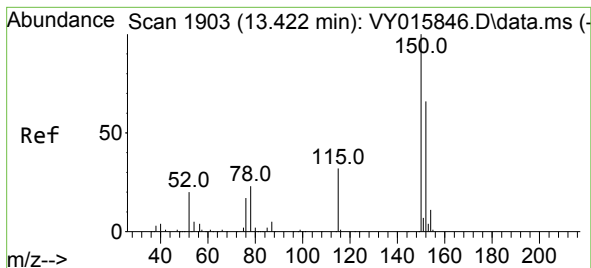
164 100

166 123.7 103.0 154.6

129 91.5 77.2 115.8

131 89.9 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: VY015864.D

Acq: 06 Oct 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

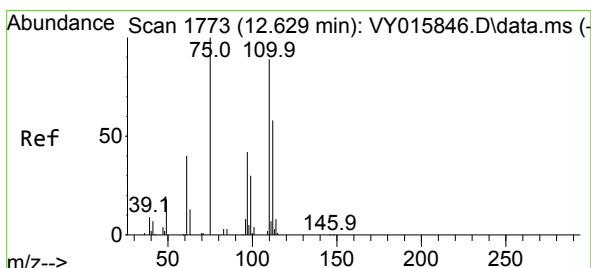
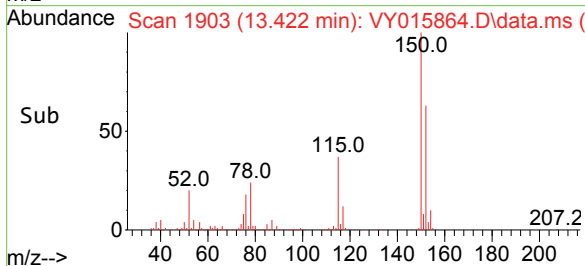
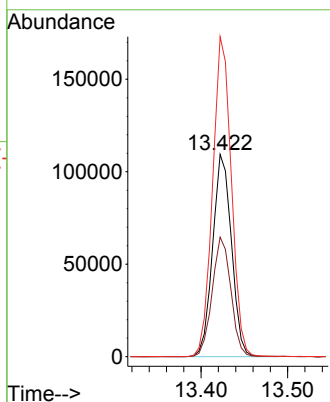
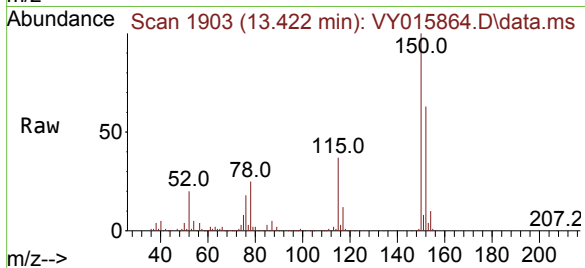
Tgt Ion:152 Resp: 165015

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 157.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.662 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015864.D

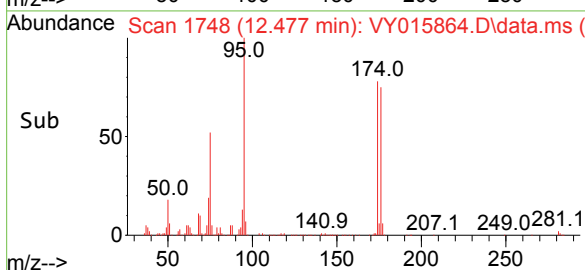
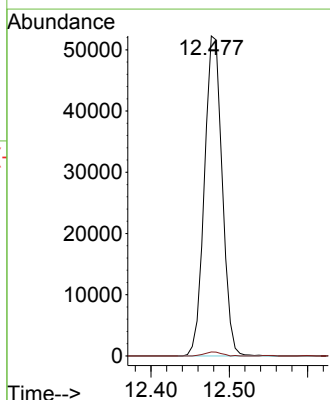
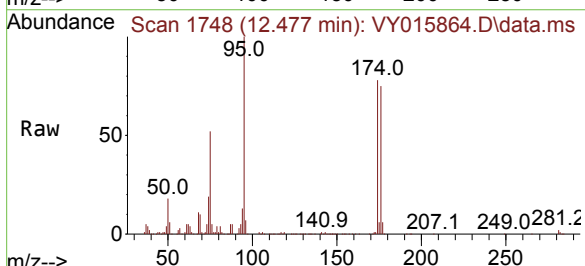
Acq: 06 Oct 2023 15:59

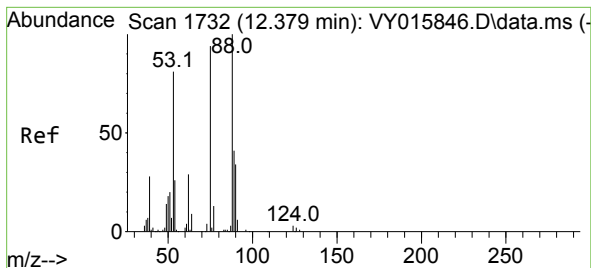
Tgt Ion: 75 Resp: 82230

Ion Ratio Lower Upper

75 100

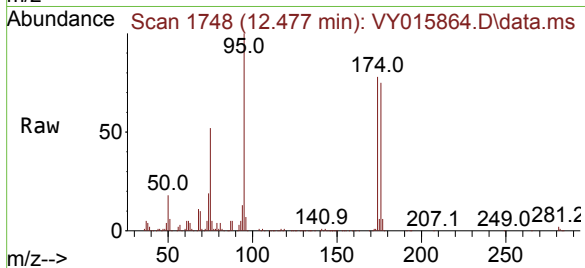
77 1.2 0.0 0.0#



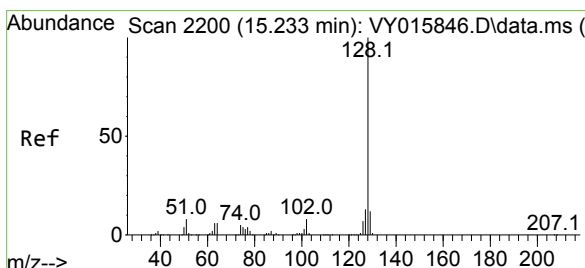
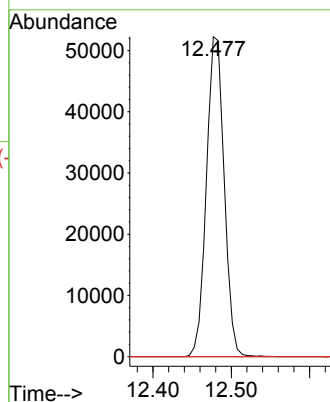
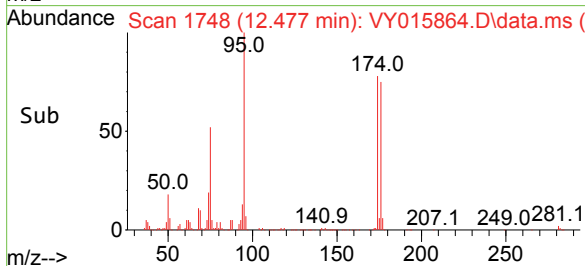


#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.924 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.098 min
 Lab File: VY015864.D
 Acq: 06 Oct 2023 15:59

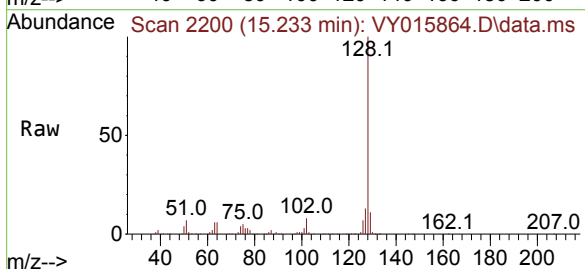
Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 82230
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#



#95
 Naphthalene
 Concen: 32.107 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. 0.000 min
 Lab File: VY015864.D
 Acq: 06 Oct 2023 15:59



Tgt Ion: 128 Resp: 277850
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.8 16.2
 129 11.0 8.6 13.0

