

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015790.D
 Acq On : 02 Oct 2023 20:35
 Operator : SY/MD
 Sample : 04657-10RE
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:28:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

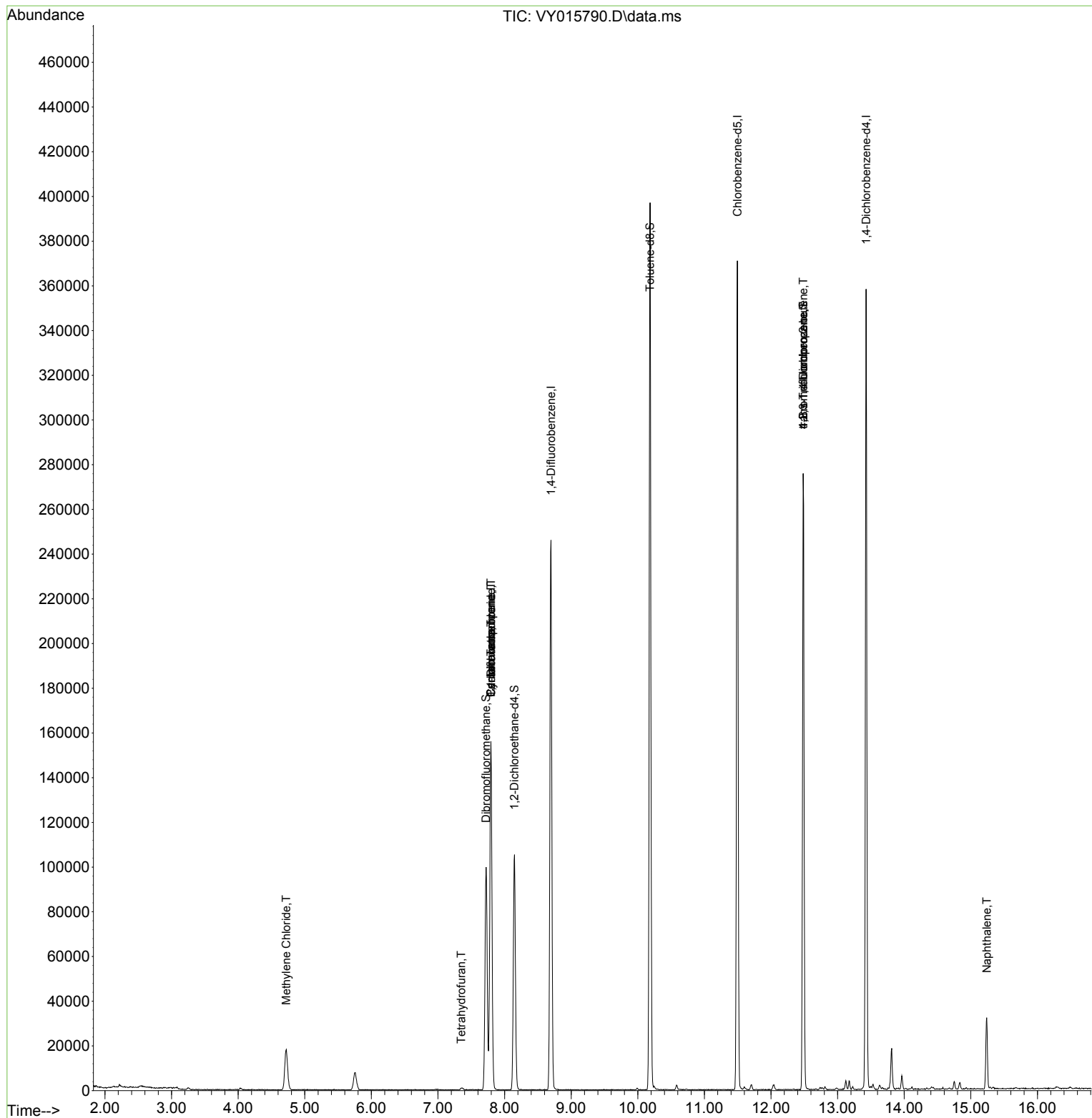
Internal Standards						
1) Pentafluorobenzene	7.795	168	122697	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	214070	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	197681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	80483	59.617	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.240%
35) Dibromofluoromethane	7.722	113	70577	55.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.160%
50) Toluene-d8	10.185	98	257048	59.168	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	118.340%
62) 4-Bromofluorobenzene	12.483	95	83044	48.710	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.420%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	27	Below Cal	#	89
20) Methylene Chloride	4.722	84	13875	4.351	ug/l	93
29) Tetrahydrofuran	7.350	42	774	1.341	ug/l #	85
31) Cyclohexane	7.795	56	2768	1.480	ug/l #	14
36) 1,1-Dichloropropene	7.795	75	9388	4.955	ug/l #	51
38) Carbon Tetrachloride	7.795	117	12214	5.940	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	43837	30.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43837	69.772	ug/l #	10
95) Naphthalene	15.239	128	26819	5.463	ug/l	99

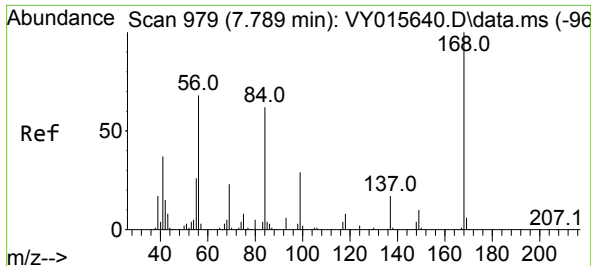
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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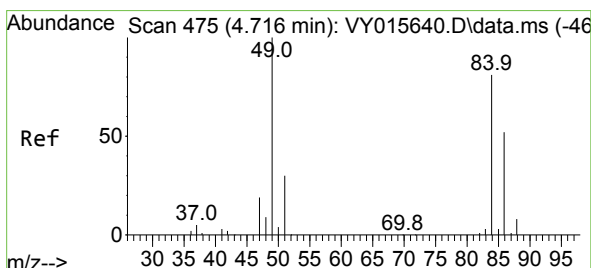
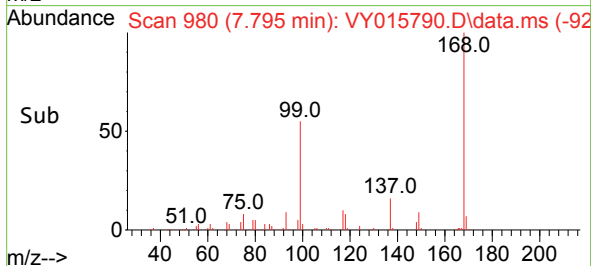
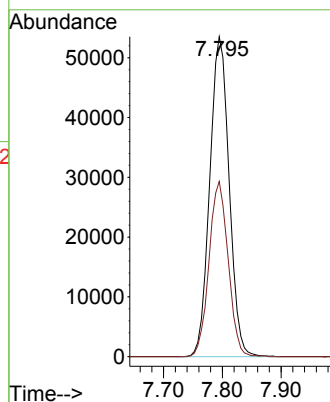
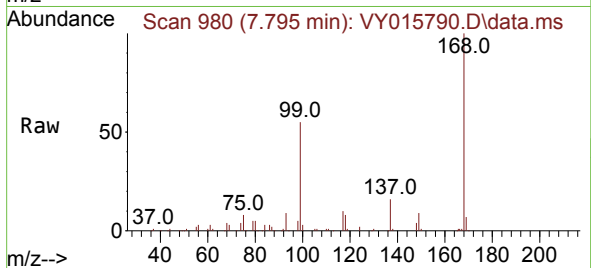




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

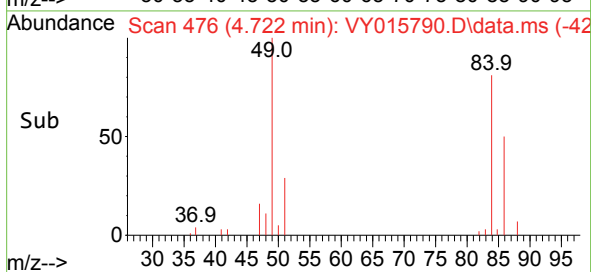
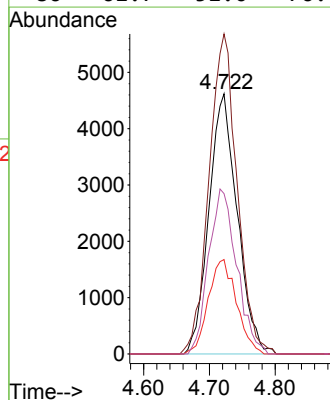
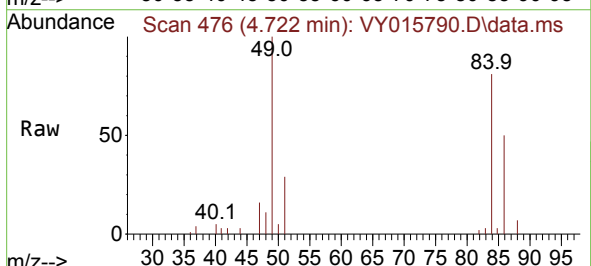
Instrument :
MSVOA_Y
ClientSampleId :

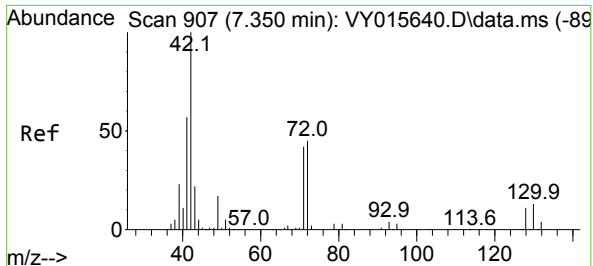
Tgt Ion:168 Resp: 122697
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#20
Methylene Chloride
Concen: 4.351 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Tgt Ion: 84 Resp: 13875
Ion Ratio Lower Upper
84 100
49 123.0 106.9 160.3
51 36.3 33.2 49.8
86 61.7 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.341 ug/l

RT: 7.350 min Scan# 90

Delta R.T. 0.006 min

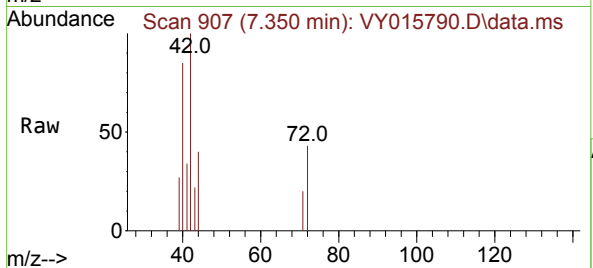
Lab File: VY015790.D

Acq: 02 Oct 2023 20:35

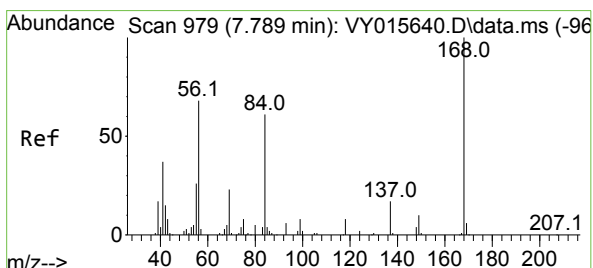
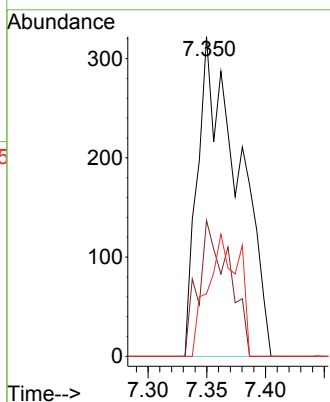
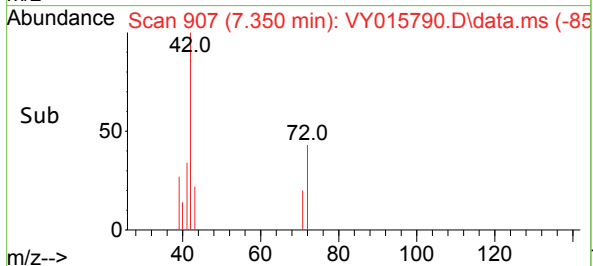
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	774
Ion	Ratio	Lower	Upper
42	100		
72	32.2	32.8	49.2#
71	29.1	31.0	46.4#



#31

Cyclohexane

Concen: 1.480 ug/l

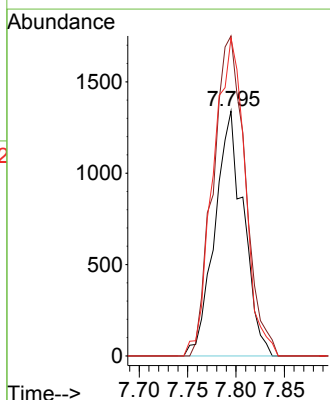
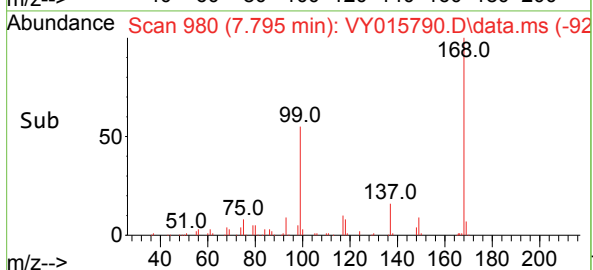
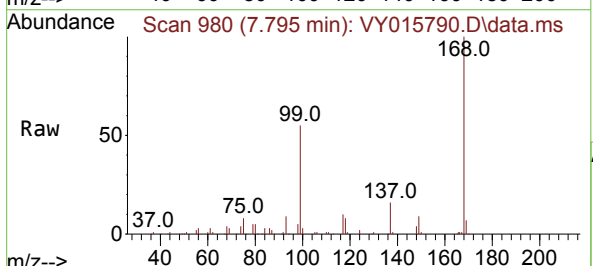
RT: 7.795 min Scan# 980

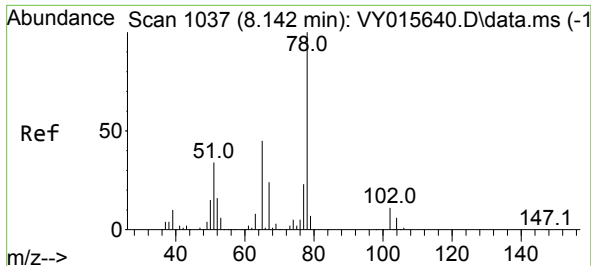
Delta R.T. 0.012 min

Lab File: VY015790.D

Acq: 02 Oct 2023 20:35

Tgt Ion:	56	Resp:	2768
Ion	Ratio	Lower	Upper
56	100		
69	130.8	27.8	41.6#
84	129.9	66.4	99.6#

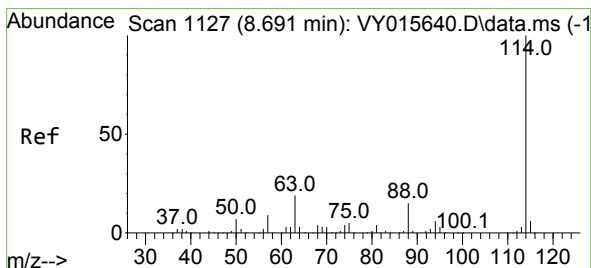
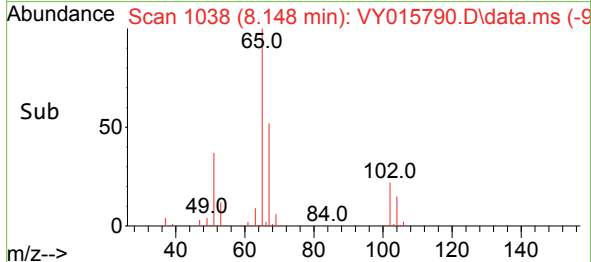
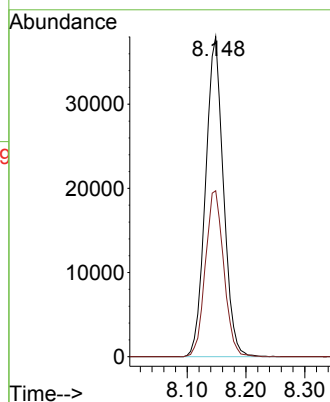
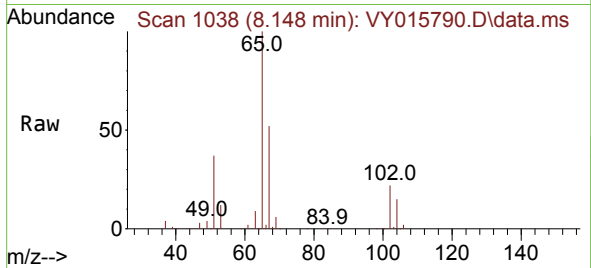




#33
1,2-Dichloroethane-d4
Concen: 59.617 ug/l
RT: 8.148 min Scan# 1037
Delta R.T. 0.012 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

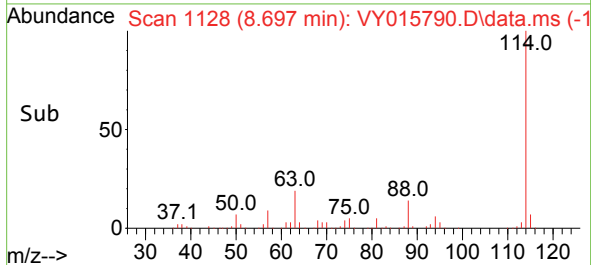
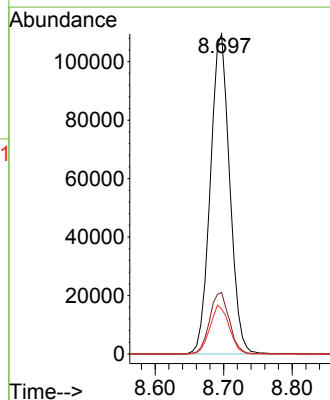
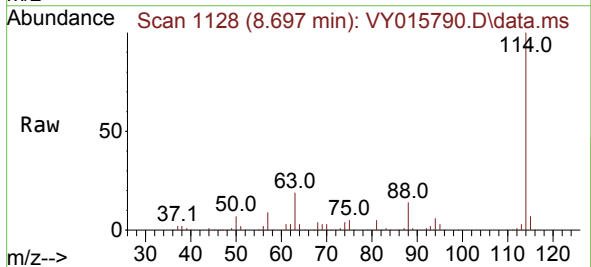
Instrument :
MSVOA_Y
ClientSampleId :

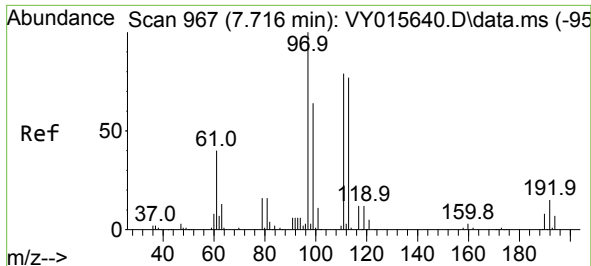
Tgt Ion: 65 Resp: 80483
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

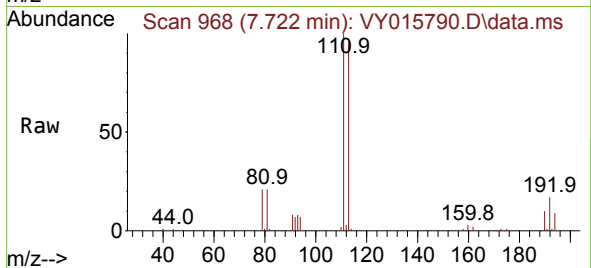
Tgt Ion: 114 Resp: 214070
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.4
88 14.0 0.0 30.6



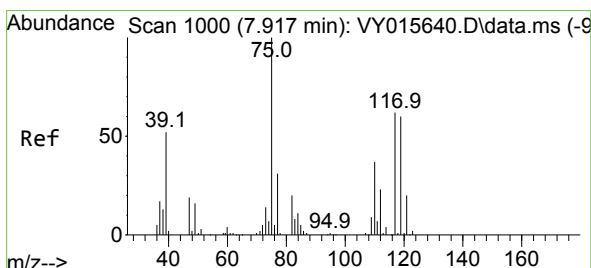
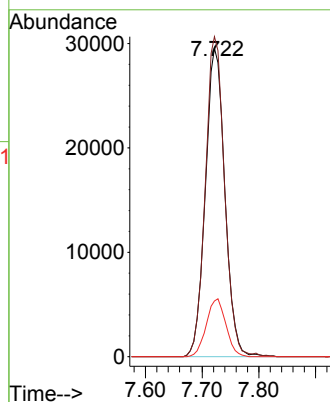
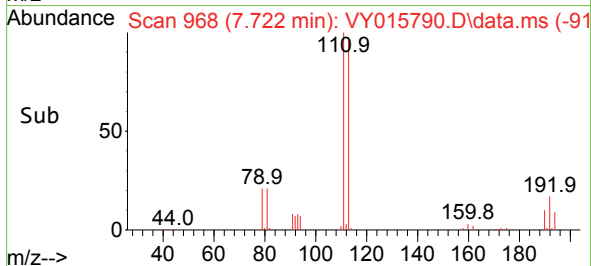


#35
Dibromofluoromethane
Concen: 55.083 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Instrument :
MSVOA_Y
ClientSampleId :

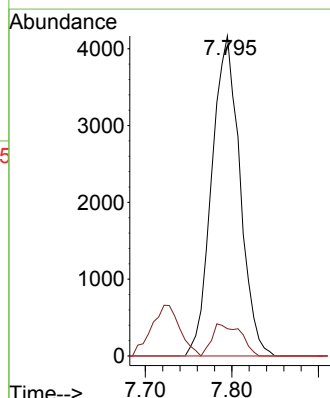
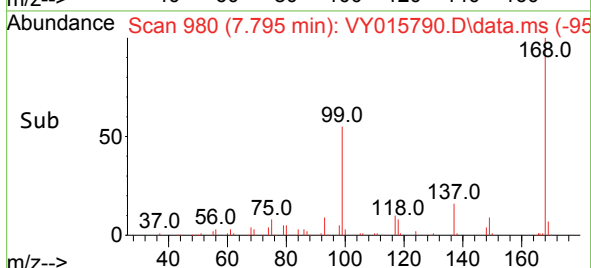
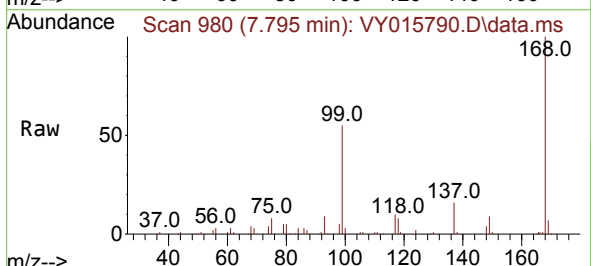


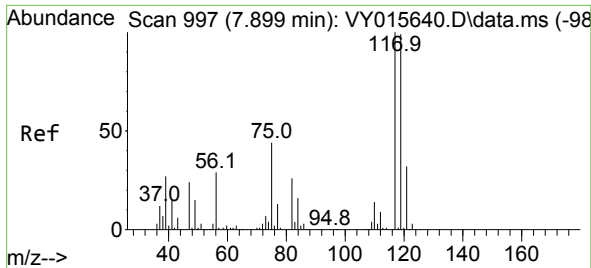
Tgt Ion:113 Resp: 70577
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

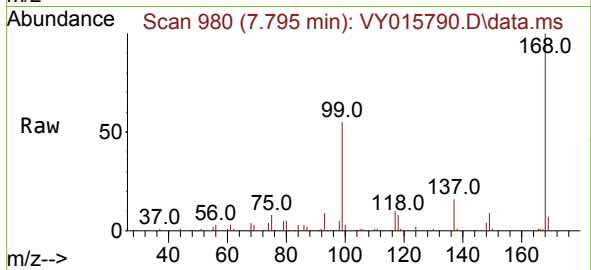
Tgt Ion: 75 Resp: 9388
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



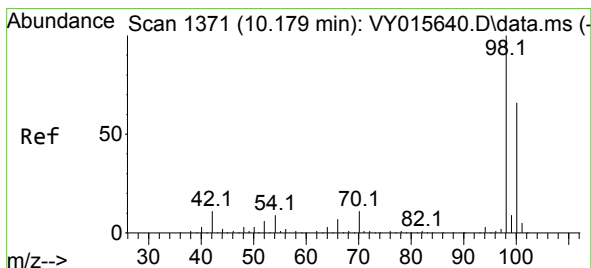
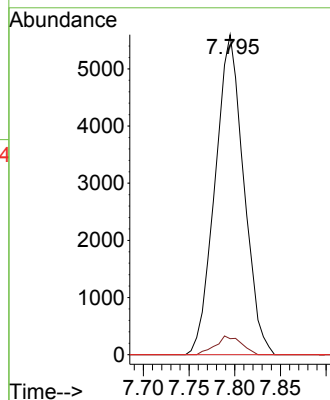
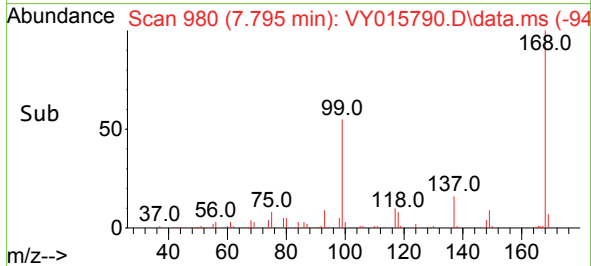


#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Instrument :
MSVOA_Y
ClientSampleId :

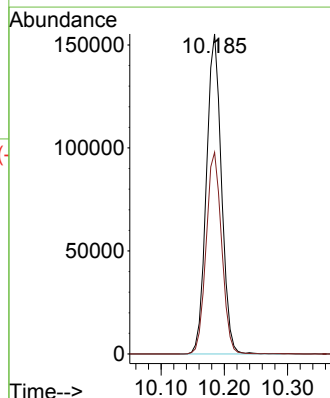
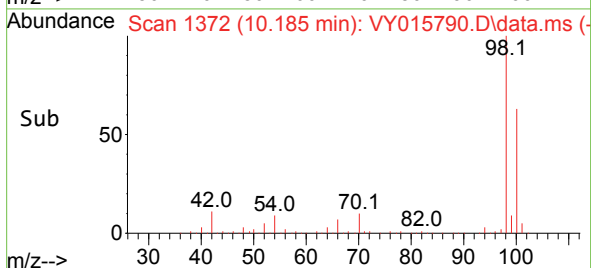
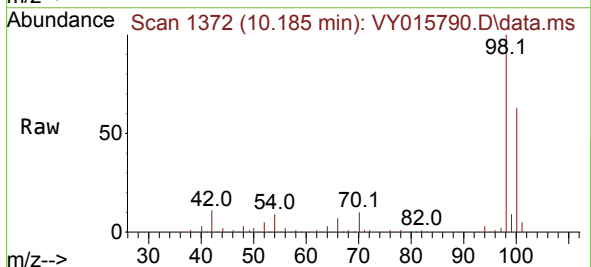


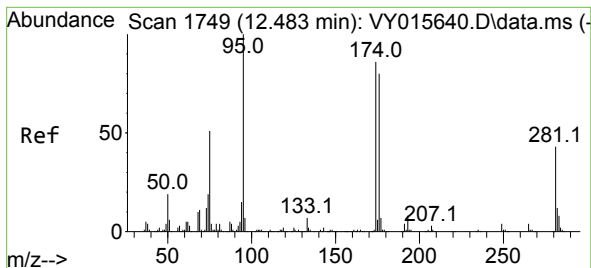
Tgt Ion:117 Resp: 12214
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 59.168 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

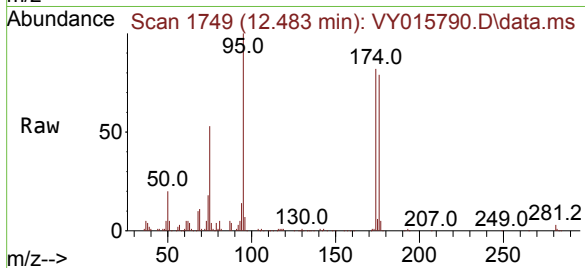
Tgt Ion: 98 Resp: 257048
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



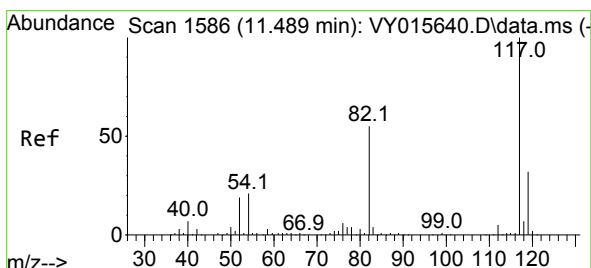
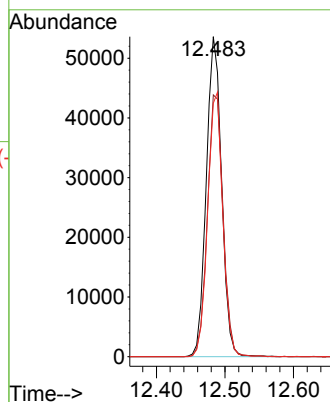
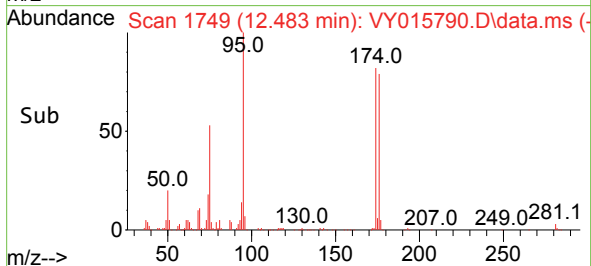


#62
4-Bromofluorobenzene
Concen: 48.710 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Instrument :
MSVOA_Y
ClientSampleId :

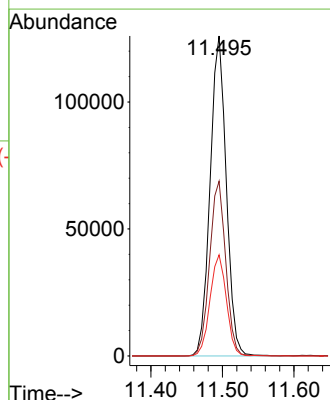
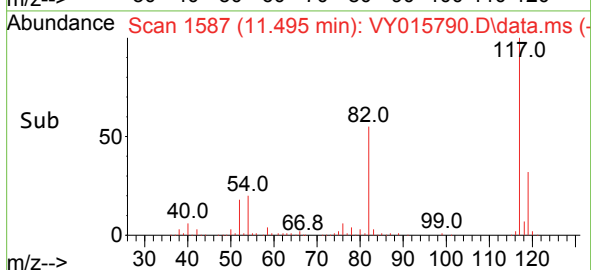
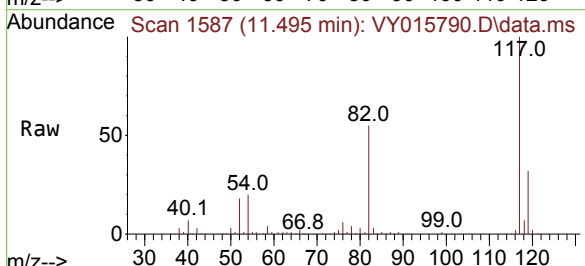


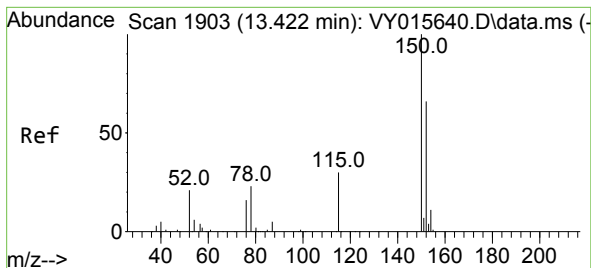
Tgt Ion: 95 Resp: 83044
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 81.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Tgt Ion: 117 Resp: 197681
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015790.D

Acq: 02 Oct 2023 20:35

Instrument :

MSVOA_Y

ClientSampleId :

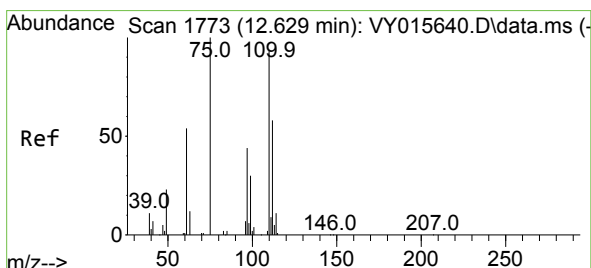
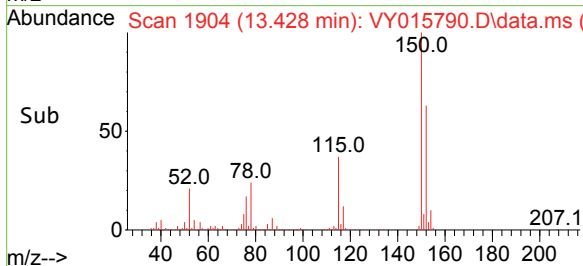
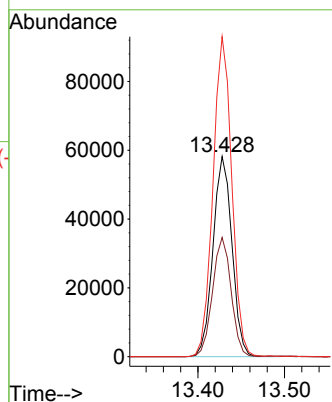
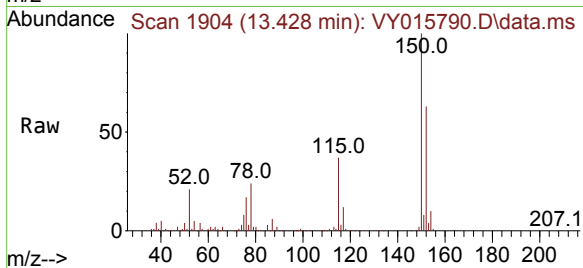
Tgt Ion:152 Resp: 88687

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 158.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 30.983 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015790.D

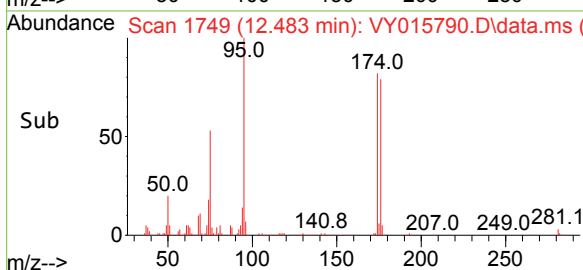
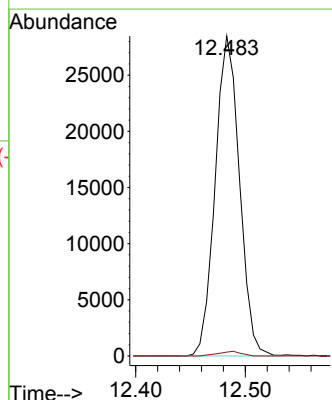
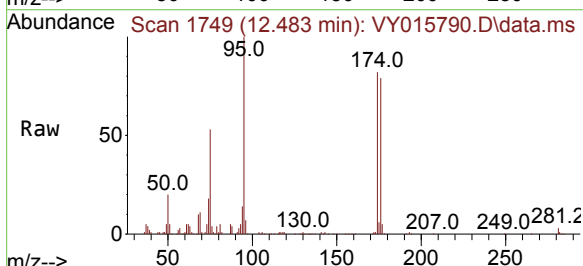
Acq: 02 Oct 2023 20:35

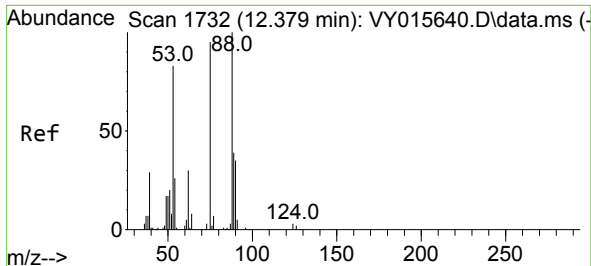
Tgt Ion: 75 Resp: 43837

Ion Ratio Lower Upper

75 100

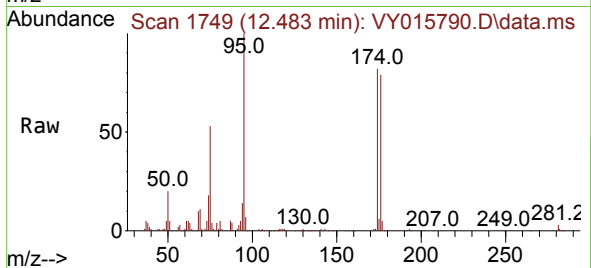
77 1.3 0.0 0.0#



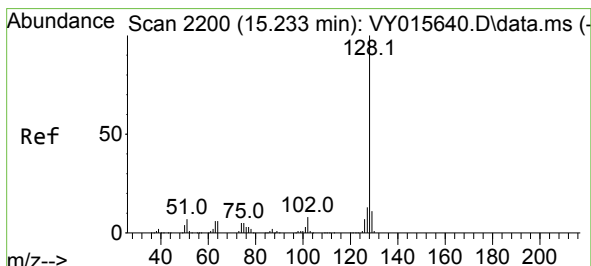
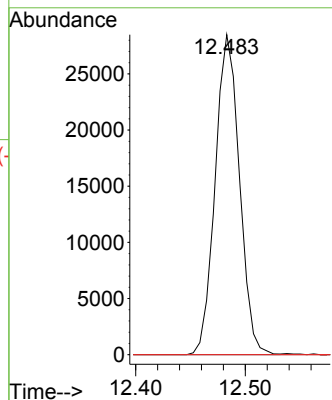
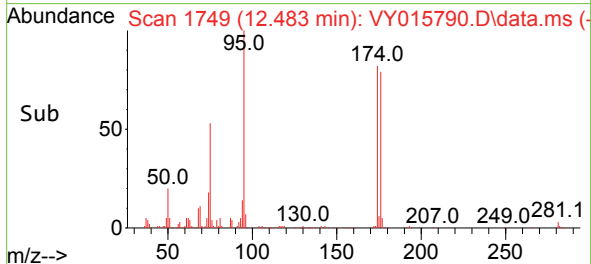


#81
trans-1,4-Dichloro-2-butene
Concen: 69.772 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 43837
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 5.463 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015790.D
Acq: 02 Oct 2023 20:35

Tgt Ion:128 Resp: 26819
Ion Ratio Lower Upper
128 100
127 12.8 10.8 16.2
129 11.2 8.6 13.0

