

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015580.D
 Acq On : 15 Sep 2023 19:23
 Operator : SY/MD
 Sample : 04407-04
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 23:00:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

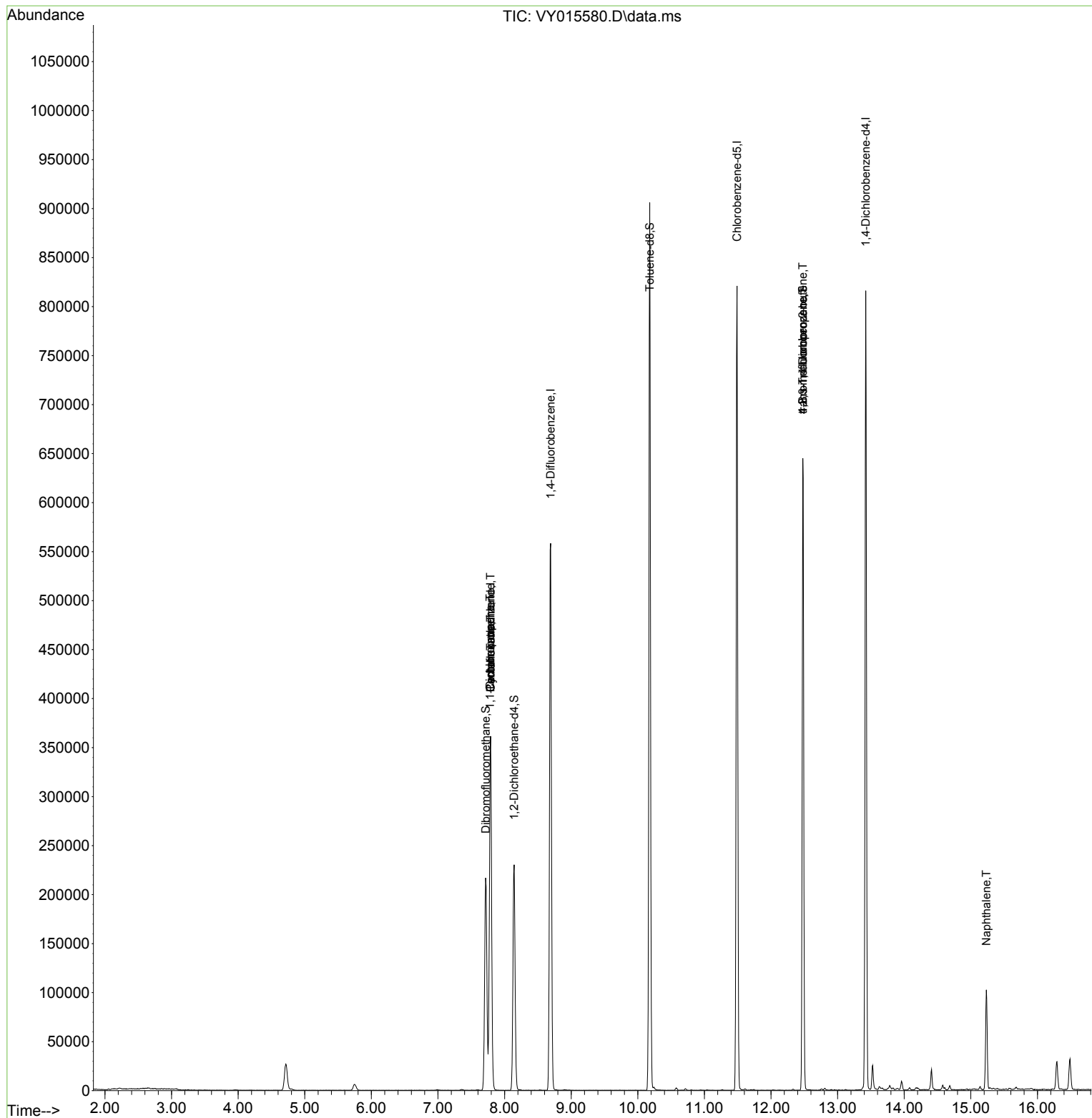
Internal Standards						
1) Pentafluorobenzene	7.789	168	281011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	483875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	444861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	203659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	179850	59.703	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.400%			
35) Dibromofluoromethane	7.716	113	152988	54.893	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.780%			
50) Toluene-d8	10.179	98	569223	56.399	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.800%			
62) 4-Bromofluorobenzene	12.477	95	193486	51.640	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.280%			
Target Compounds						
11) Tert butyl alcohol	4.954	59	22	Below Cal	#	89
20) Methylene Chloride	4.716	84	20782	Below Cal	#	84
31) Cyclohexane	7.789	56	5802	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	21798	4.454	ug/l #	50
38) Carbon Tetrachloride	7.789	117	28168	5.573	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	103019	38.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	103019	84.143	ug/l #	10
95) Naphthalene	15.233	128	83983	8.270	ug/l	99

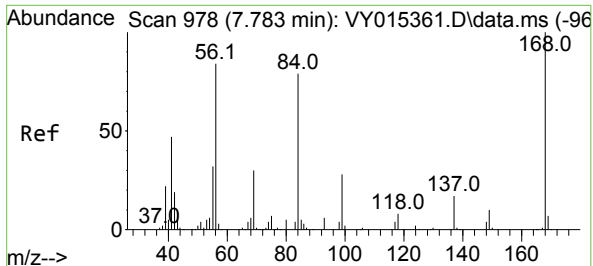
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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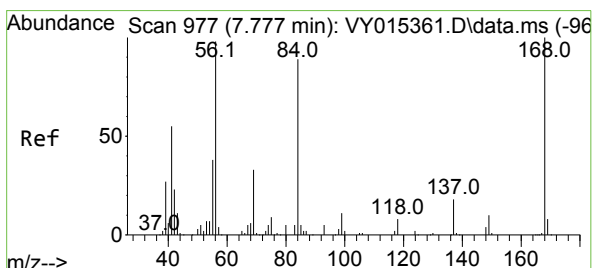
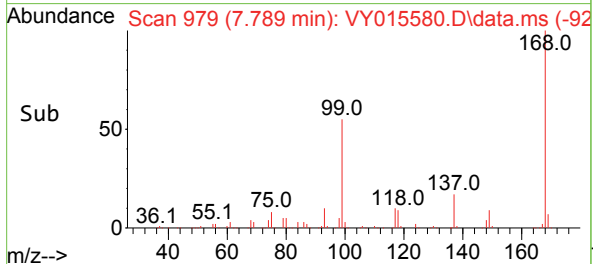
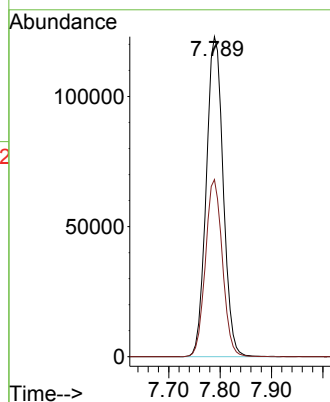
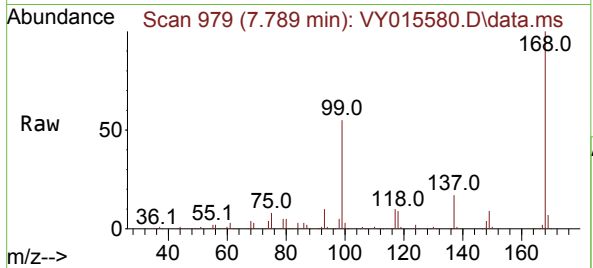




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

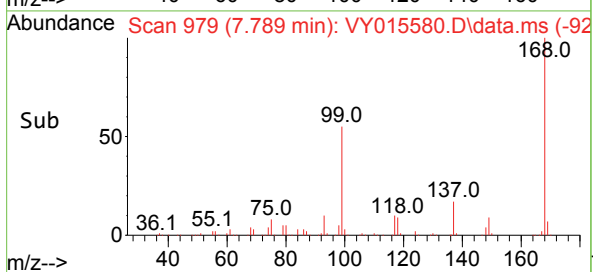
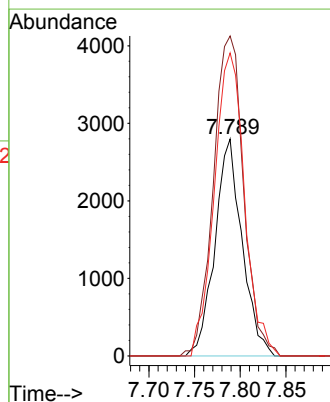
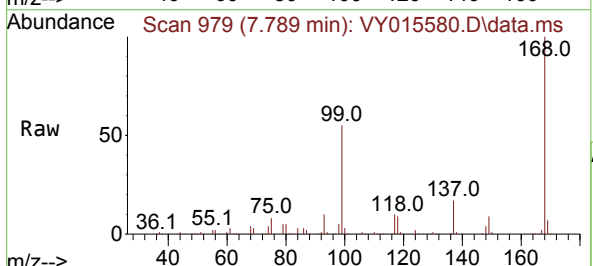
Instrument :
MSVOA_Y
ClientSampleId :

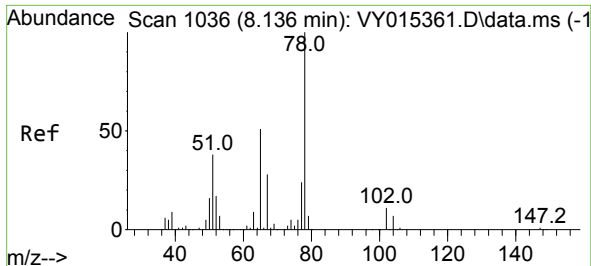
Tgt Ion:168 Resp: 281011
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

Tgt Ion: 56 Resp: 5802
Ion Ratio Lower Upper
56 100
69 147.4 27.8 41.6#
84 139.6 66.4 99.6#

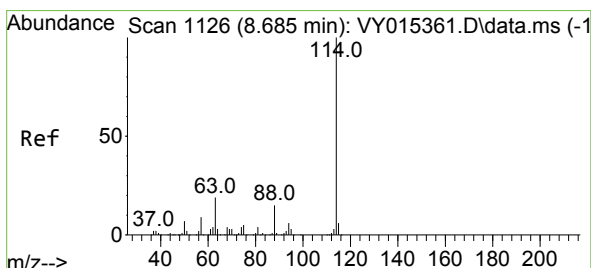
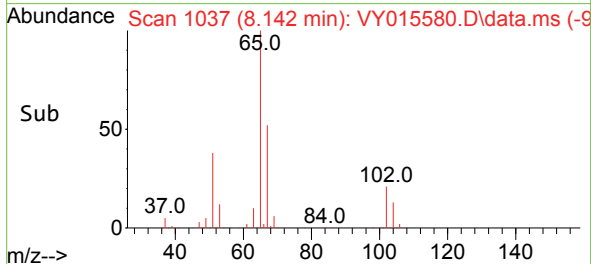
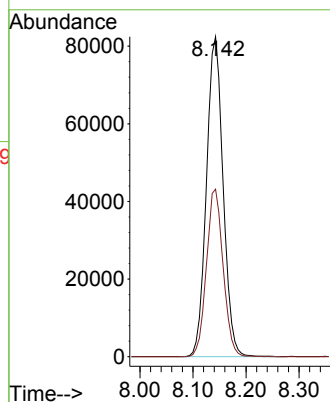
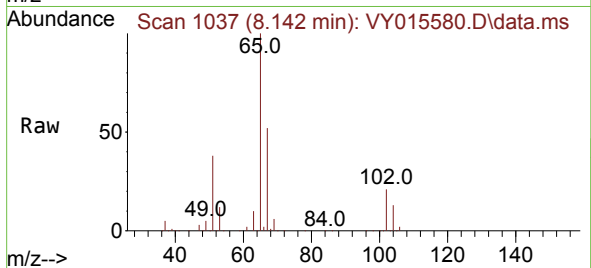




#33
 1,2-Dichloroethane-d4
 Concen: 59.703 ug/l
 RT: 8.142 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY015580.D
 Acq: 15 Sep 2023 19:23

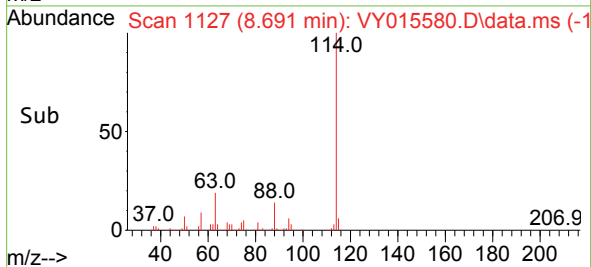
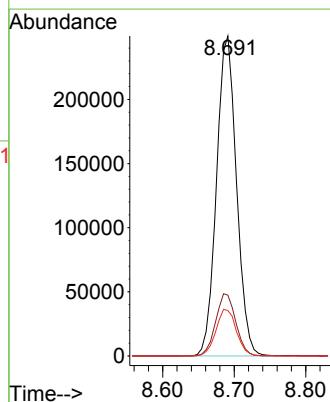
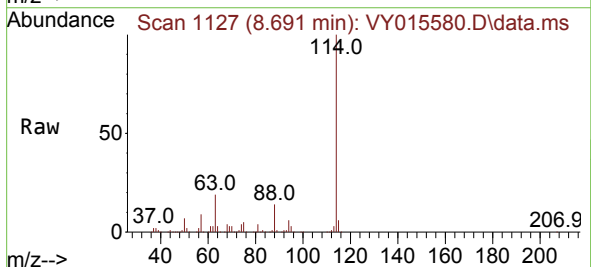
Instrument :
 MSVOA_Y
 ClientSampleId :

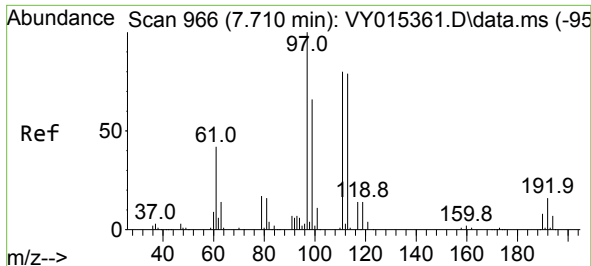
Tgt Ion: 65 Resp: 179850
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY015580.D
 Acq: 15 Sep 2023 19:23

Tgt Ion: 114 Resp: 483875
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 14.2 0.0 30.6

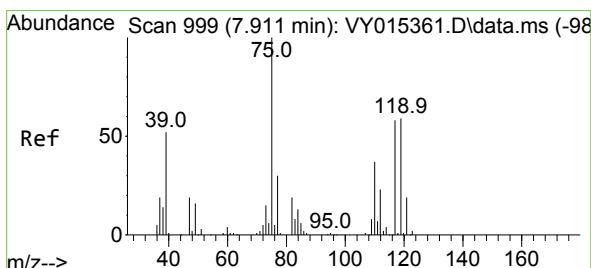
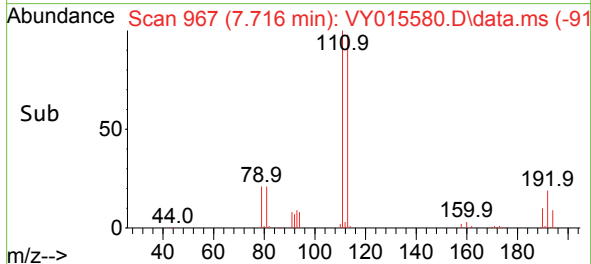
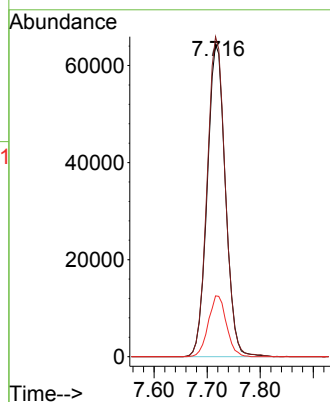
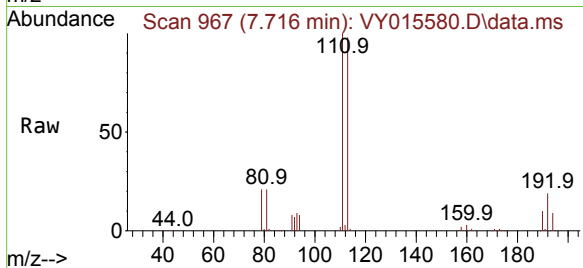




#35
 Dibromofluoromethane
 Concen: 54.893 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY015580.D
 Acq: 15 Sep 2023 19:23

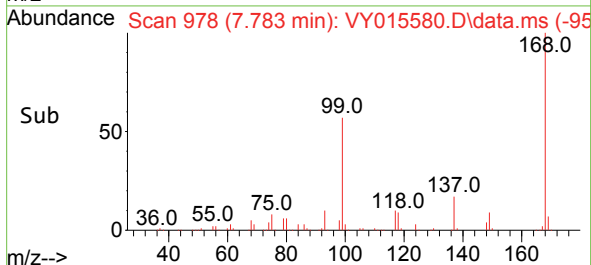
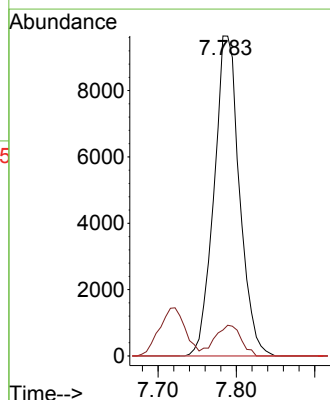
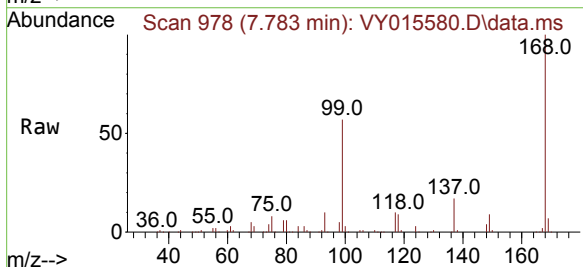
Instrument :
 MSVOA_Y
 ClientSampleId :

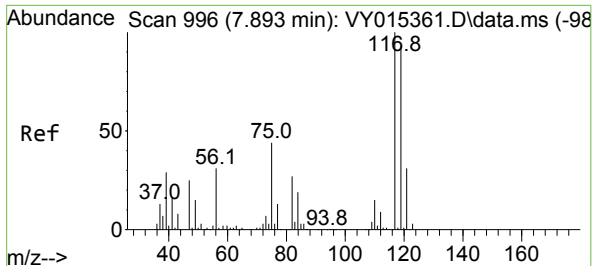
Tgt Ion:113 Resp: 152988
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.3 121.9
 192 19.4 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015580.D
 Acq: 15 Sep 2023 19:23

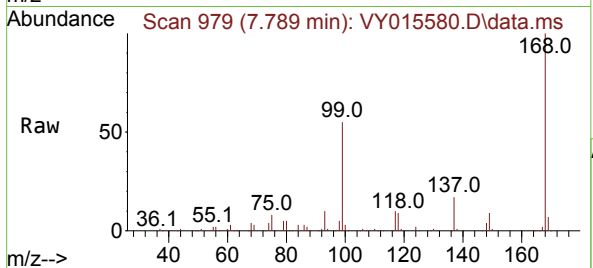
Tgt Ion: 75 Resp: 21798
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.8 53.5#
 77 0.0 24.4 36.6#



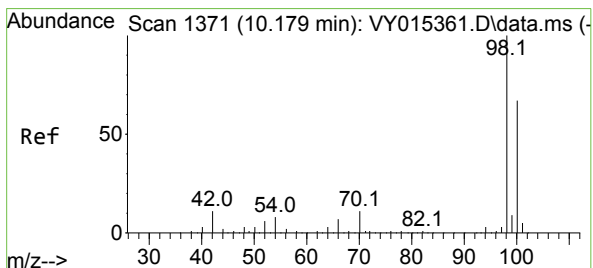
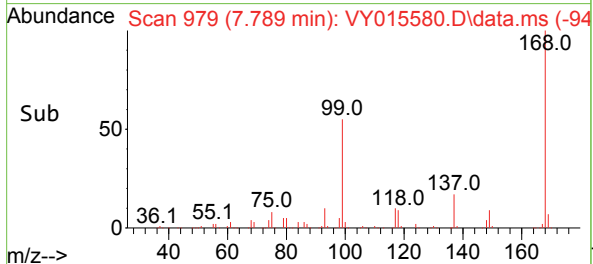
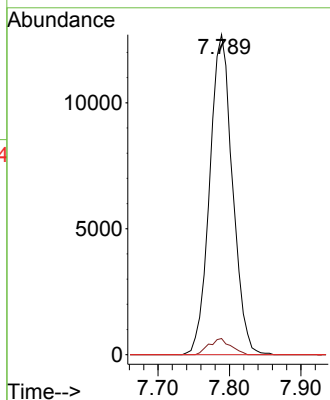


#38
Carbon Tetrachloride
Concen: 5.573 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

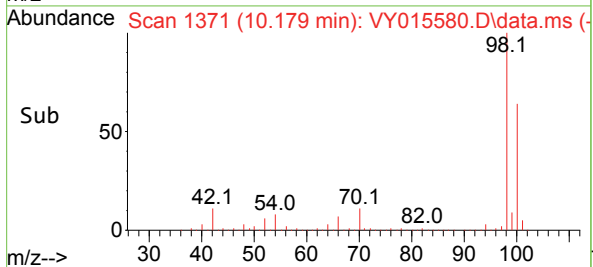
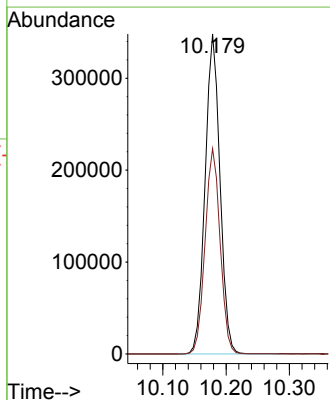
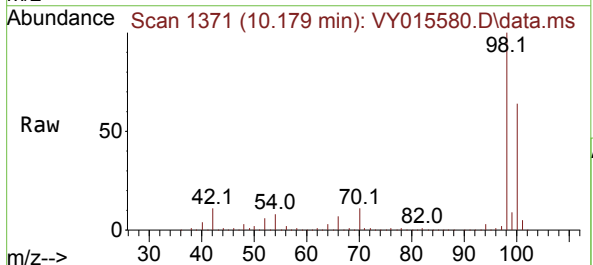


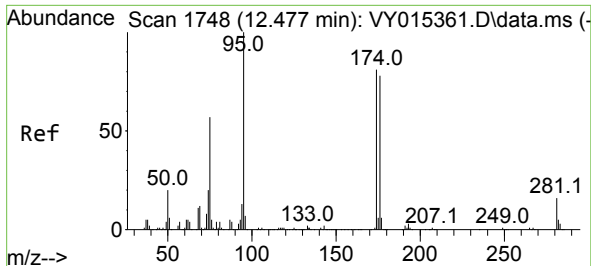
Tgt Ion:117 Resp: 28168
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.399 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

Tgt Ion: 98 Resp: 569223
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

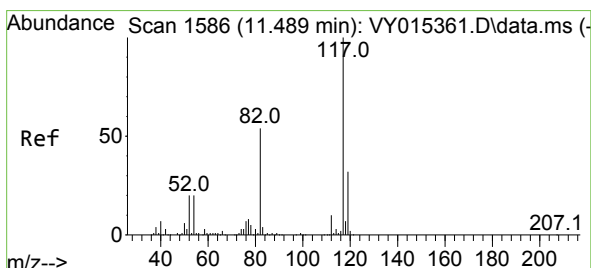
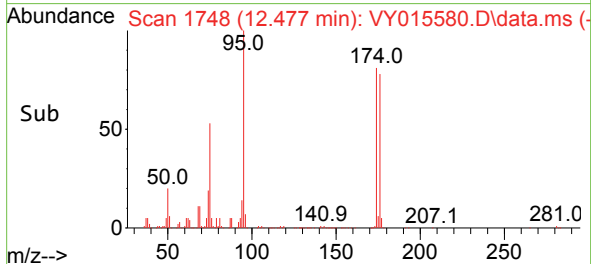
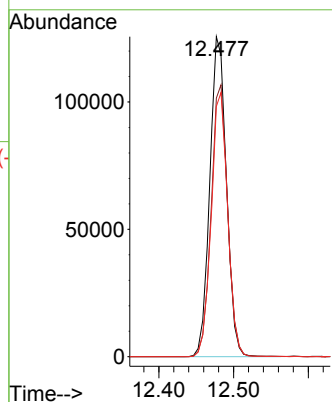
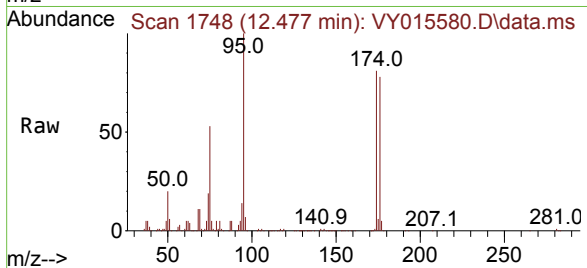




#62
4-Bromofluorobenzene
Concen: 51.640 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

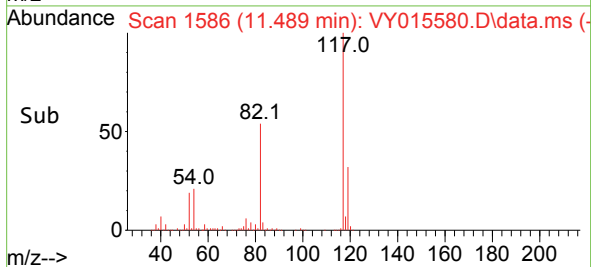
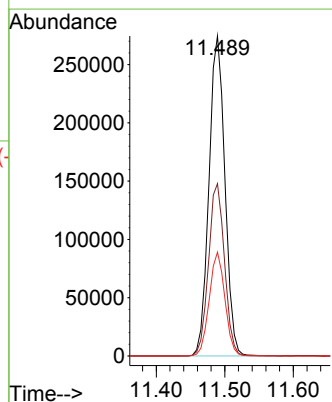
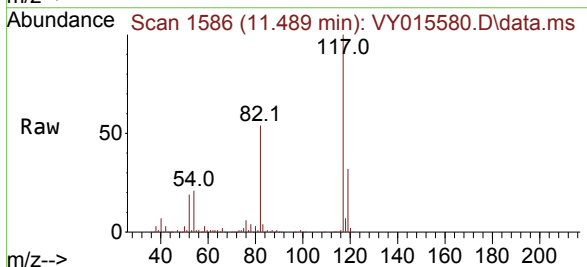
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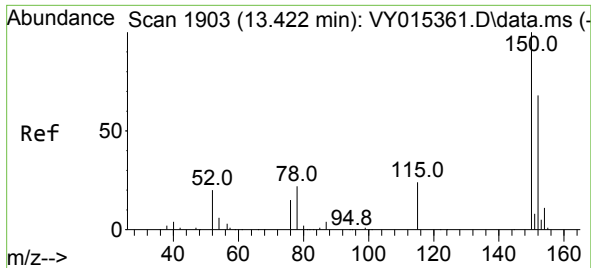
Tgt Ion: 95 Resp: 193486
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

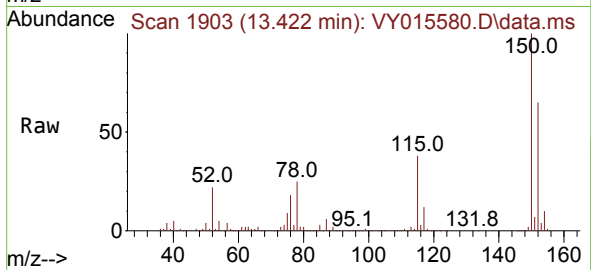
Tgt Ion: 117 Resp: 444861
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 32.5 26.3 39.5



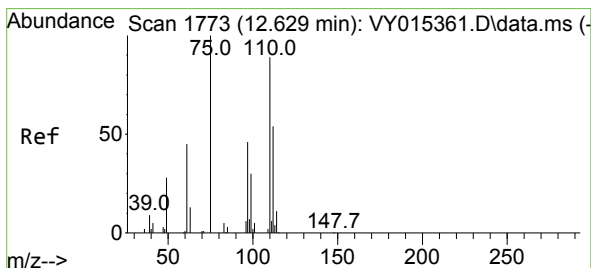
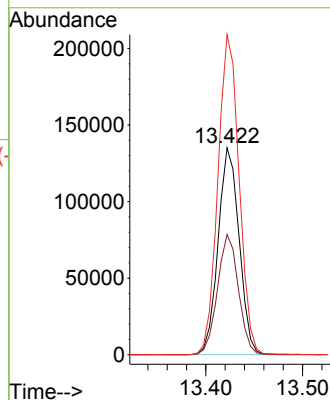
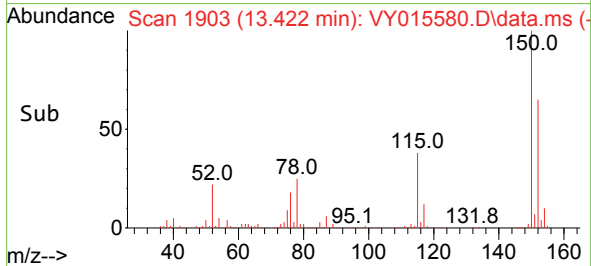


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015580.D
 Acq: 15 Sep 2023 19:23

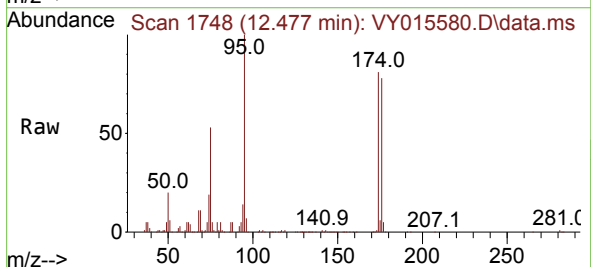
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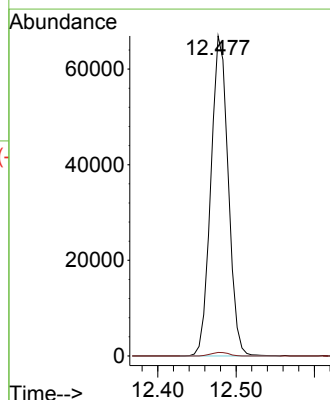
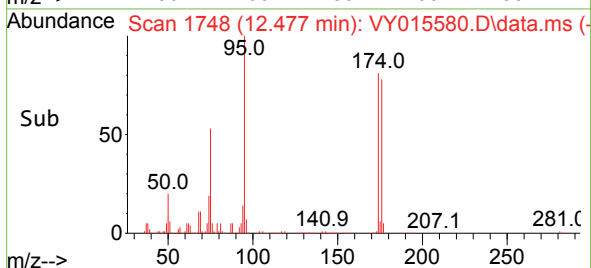
Tgt Ion:152 Resp: 203659
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 156.1 0.0 348.8

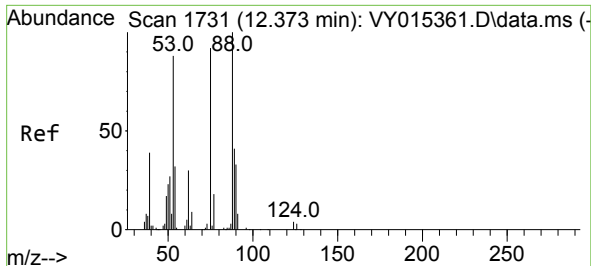


#76
 1,2,3-Trichloropropane
 Concen: 38.145 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015580.D
 Acq: 15 Sep 2023 19:23



Tgt Ion: 75 Resp: 103019
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

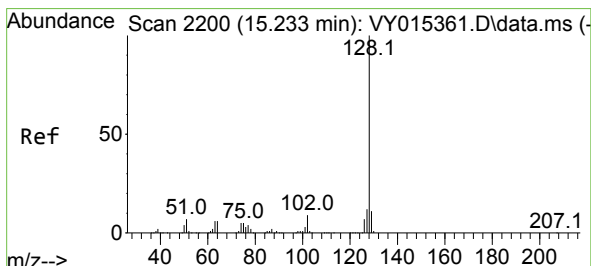
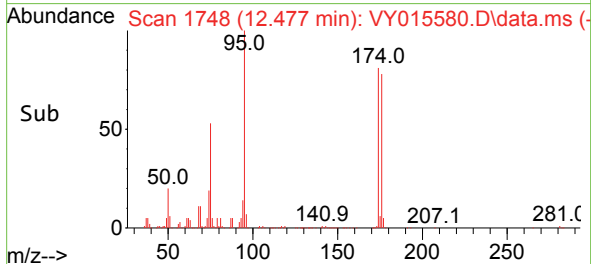
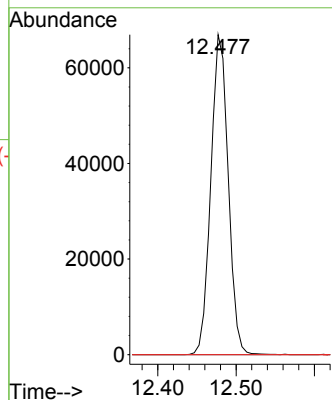
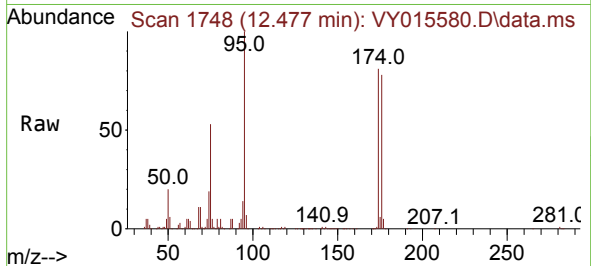




#81
trans-1,4-Dichloro-2-butene
Concen: 84.143 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 103019
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 8.270 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015580.D
Acq: 15 Sep 2023 19:23

Tgt Ion:128 Resp: 83983
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.9 8.6 13.0

