

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012832.D
 Acq On : 06 Mar 2023 18:29
 Operator : KP/MD
 Sample : 01787-03
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Quant Time: Mar 07 04:27:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

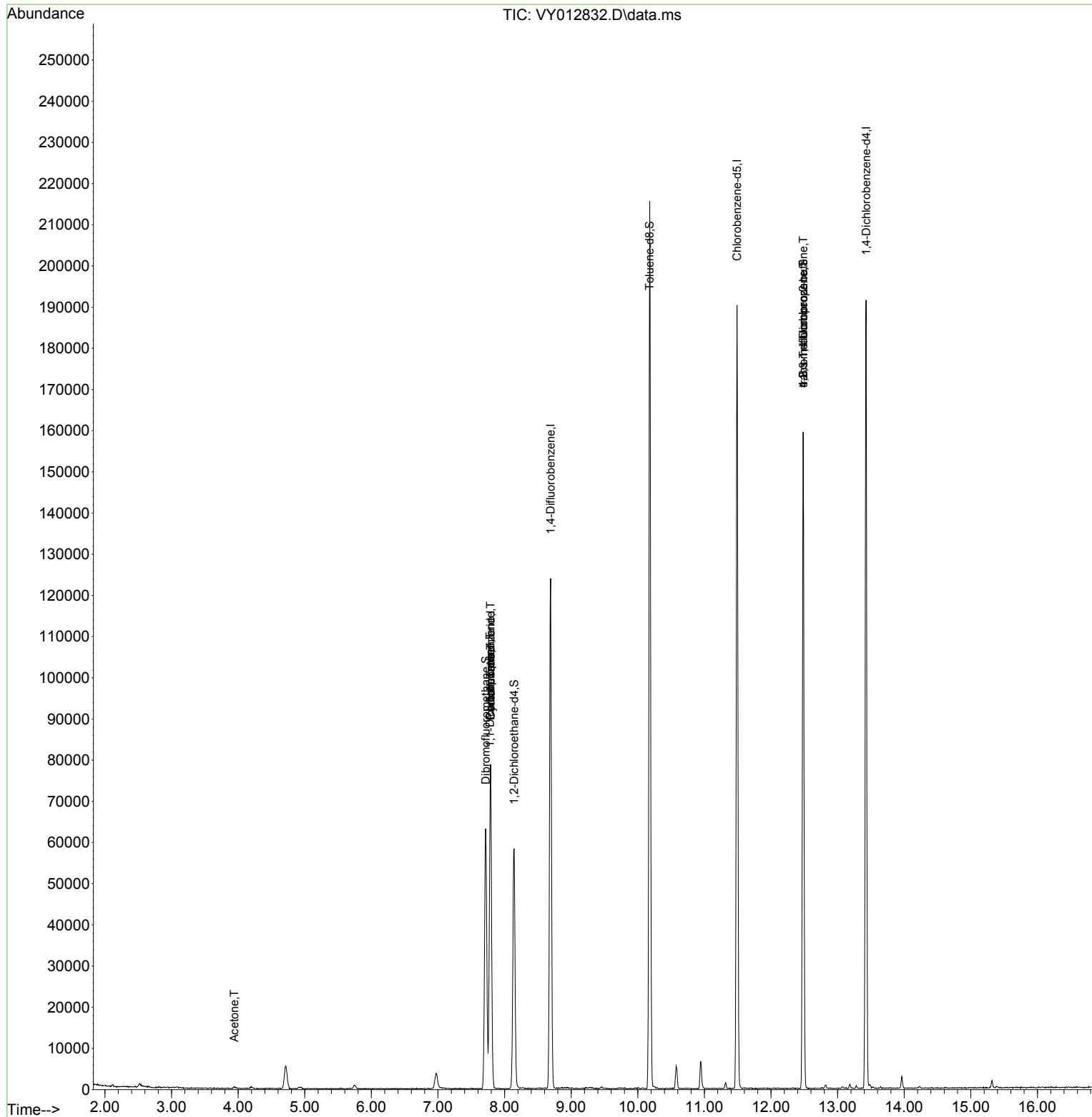
Internal Standards						
1) Pentafluorobenzene	7.789	168	61384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	105706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	100932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	49482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45782	75.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	150.240%
35) Dibromofluoromethane	7.716	113	42863	67.190	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	134.380%
50) Toluene-d8	10.179	98	138566	59.415	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	118.840%
62) 4-Bromofluorobenzene	12.483	95	44171	56.114	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	214	Below Cal	#	74
16) Acetone	3.942	43	790	3.302	ug/l #	79
31) Cyclohexane	7.789	56	1341	1.149	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	4605	4.308	ug/l #	50
38) Carbon Tetrachloride	7.789	117	6036	5.468	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	23024	38.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23024	80.736	ug/l #	13

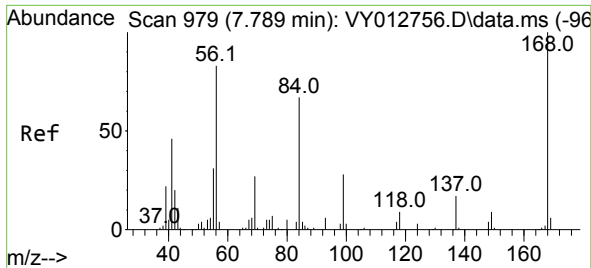
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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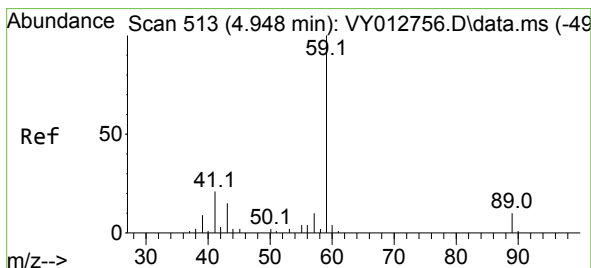
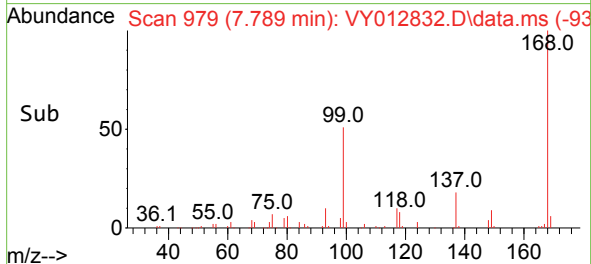
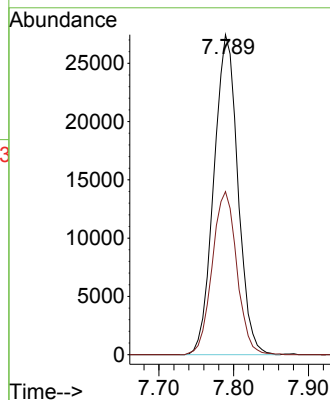
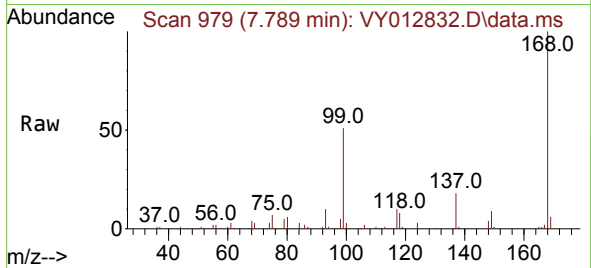




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

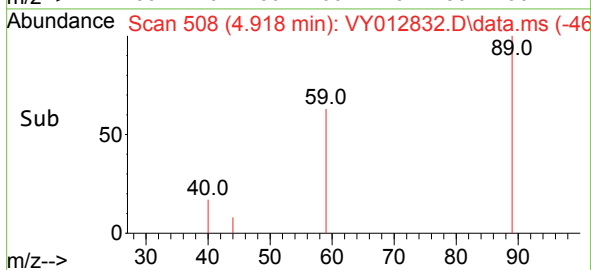
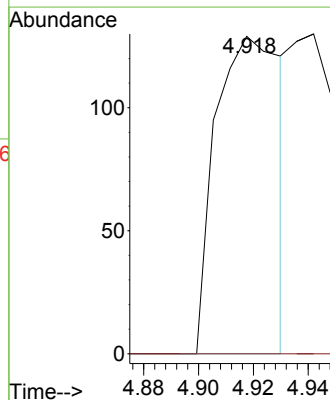
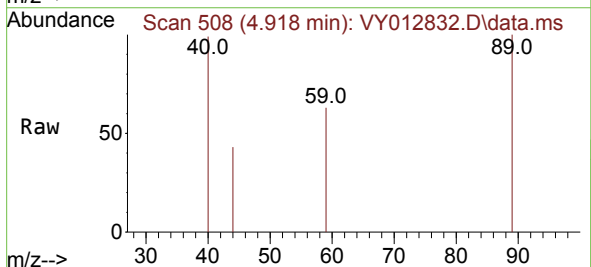
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COMP-3

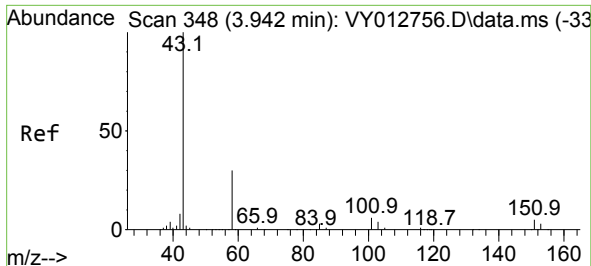
Tgt Ion:168 Resp: 61384
Ion Ratio Lower Upper
168 100
99 51.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

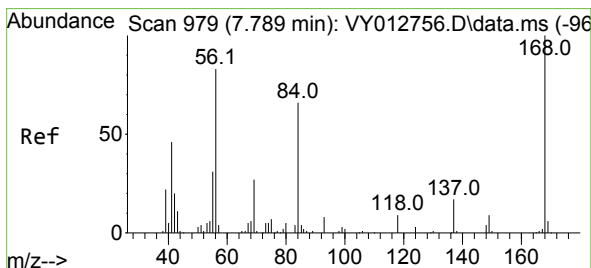
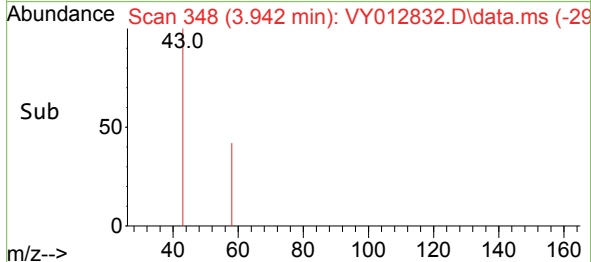
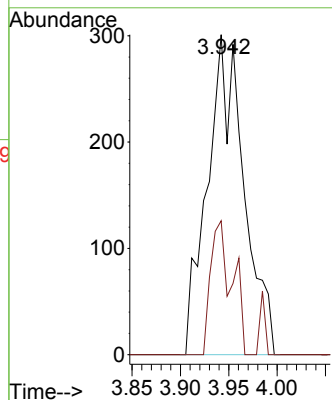
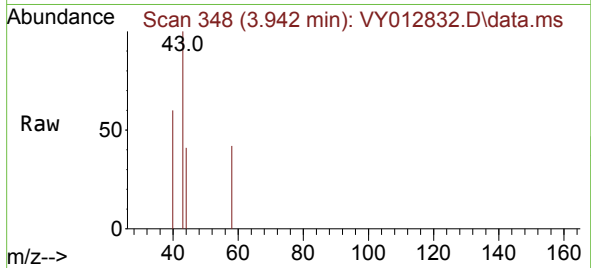




#16
Acetone
Concen: 3.302 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

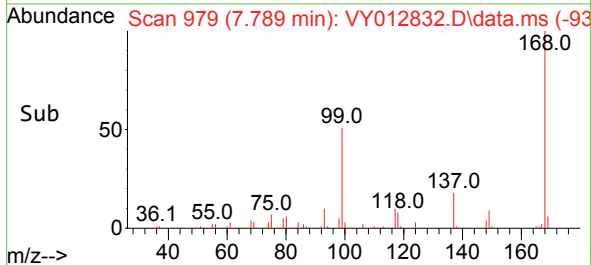
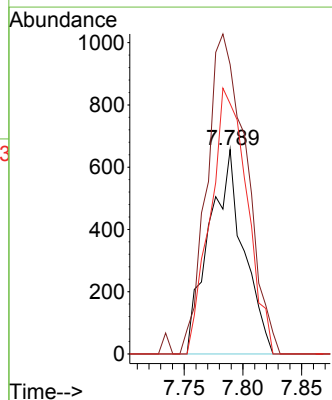
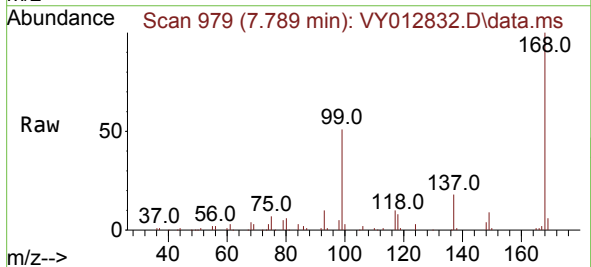
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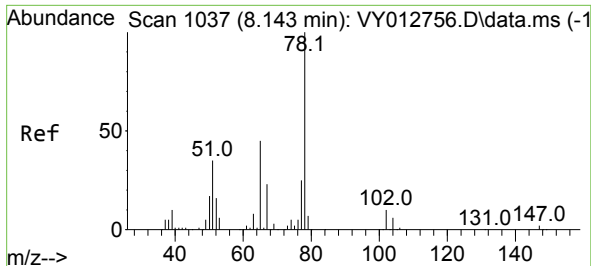
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 41.9 24.2 36.2#



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

Tgt Ion: 56 Resp: 1341
Ion Ratio Lower Upper
56 100
69 141.6 25.7 38.5#
84 122.4 64.3 96.5#

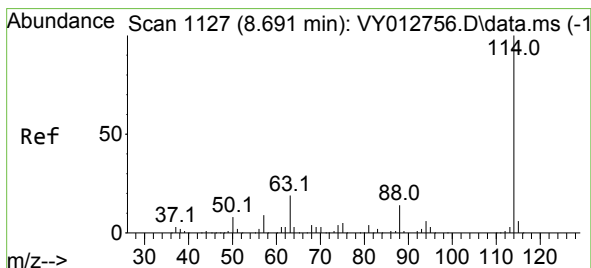
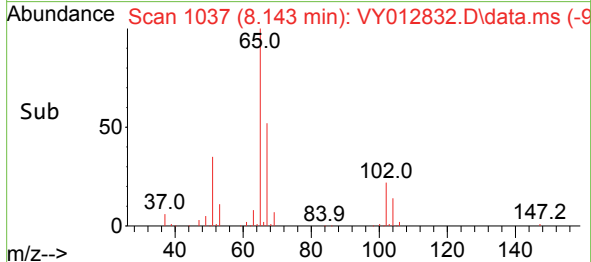
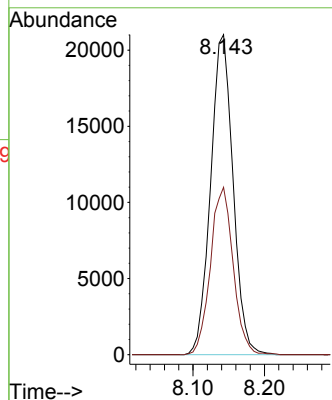
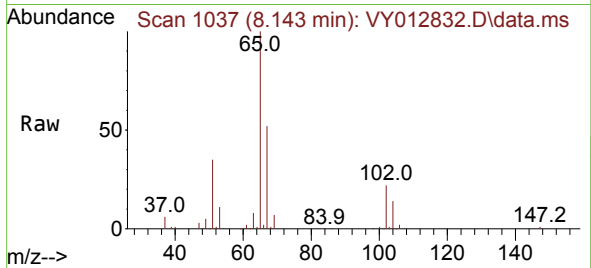




#33
 1,2-Dichloroethane-d4
 Concen: 75.119 ug/l
 RT: 8.143 min Scan# 1103
 Delta R.T. -0.000 min
 Lab File: VY012832.D
 Acq: 06 Mar 2023 18:29

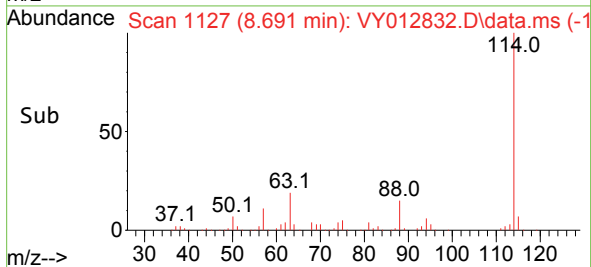
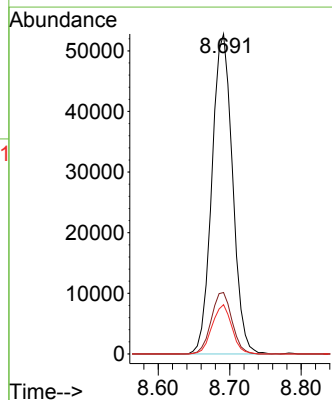
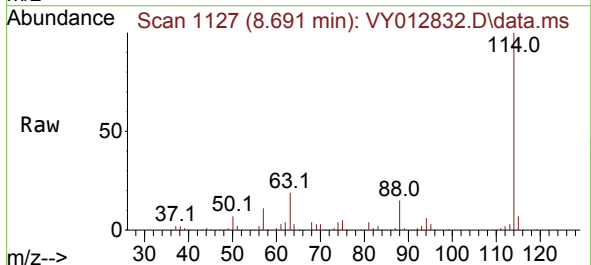
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 ClientSampleId :
 COMP-3

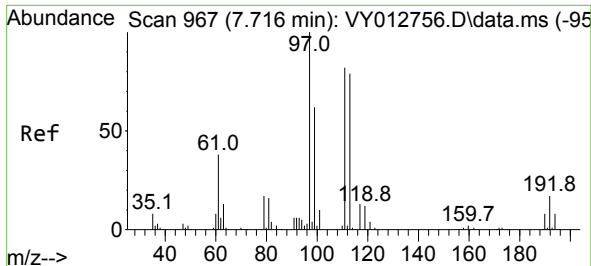
Tgt Ion: 65 Resp: 45782
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012832.D
 Acq: 06 Mar 2023 18:29

Tgt Ion: 114 Resp: 105706
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.4
 88 15.4 0.0 28.6

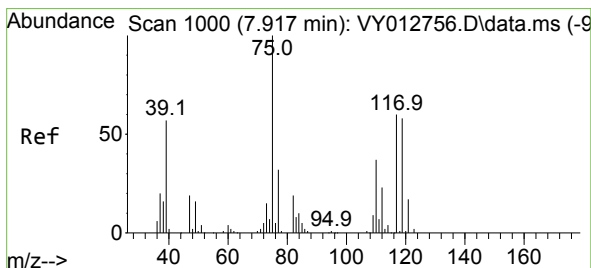
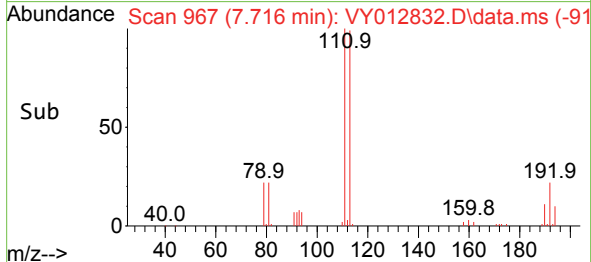
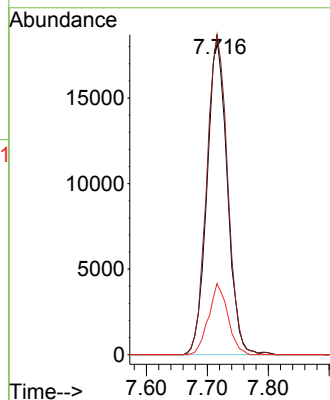
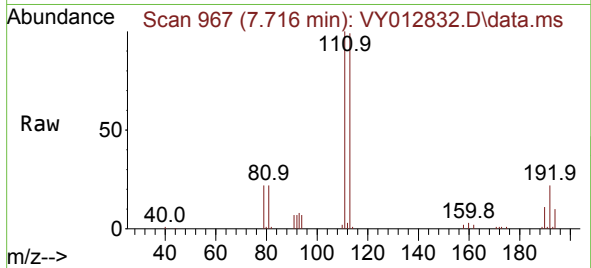




#35
Dibromofluoromethane
Concen: 67.190 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

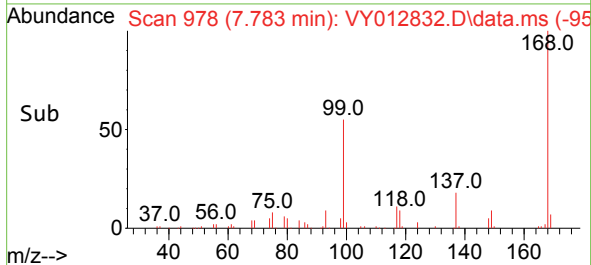
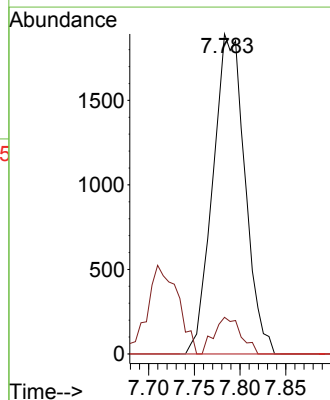
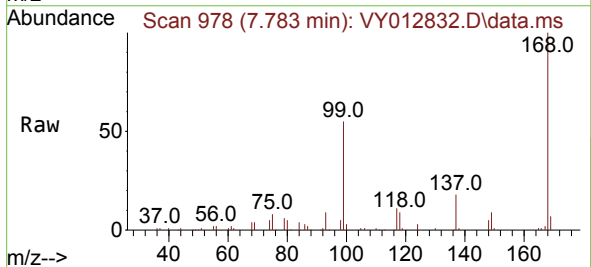
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COMP-3

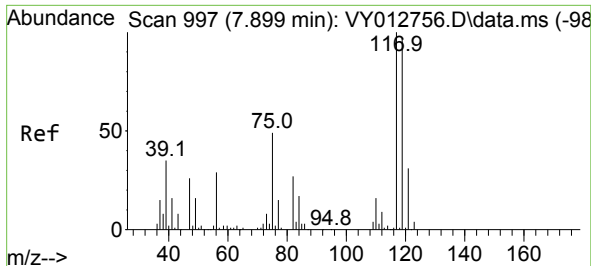
Tgt Ion:113 Resp: 42863
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 21.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.308 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

Tgt Ion: 75 Resp: 4605
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 25.0 37.4#

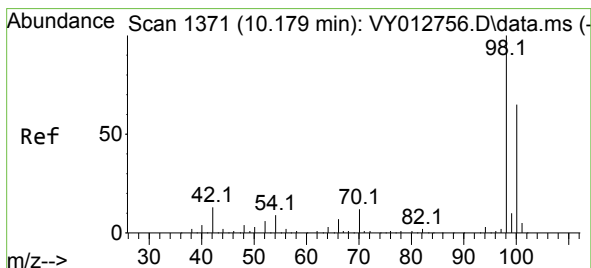
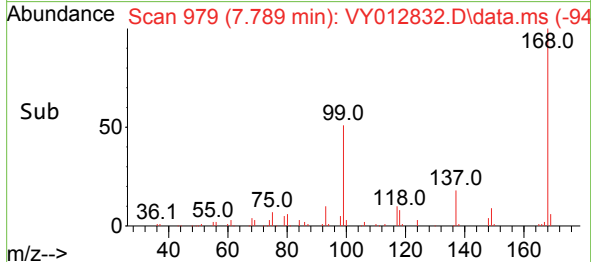
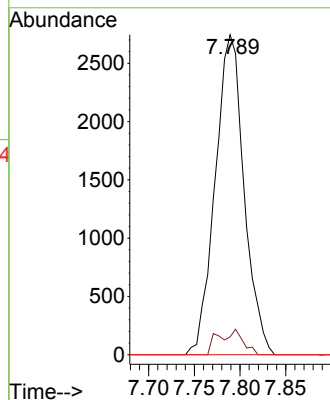
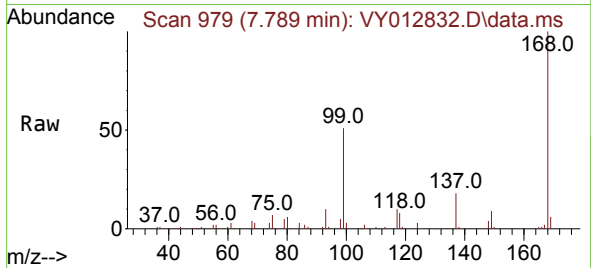




#38
Carbon Tetrachloride
Concen: 5.468 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

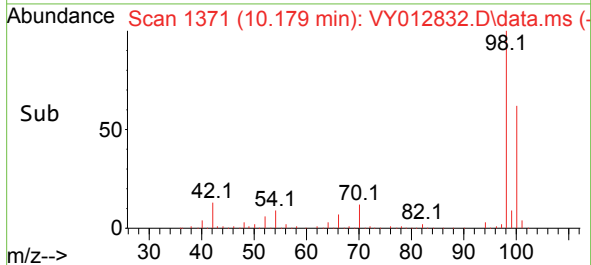
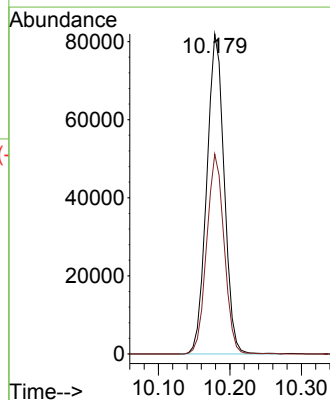
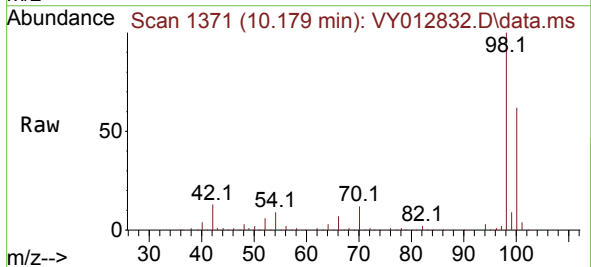
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COMP-3

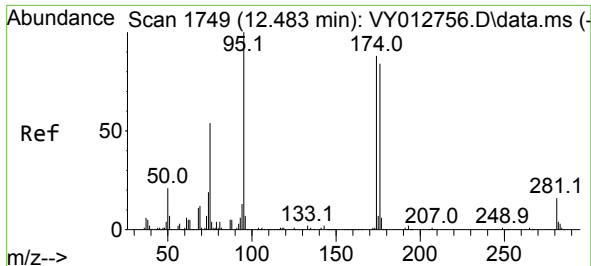
Tgt Ion:117 Resp: 6036
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 59.415 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

Tgt Ion: 98 Resp: 138566
Ion Ratio Lower Upper
98 100
100 62.6 50.9 76.3

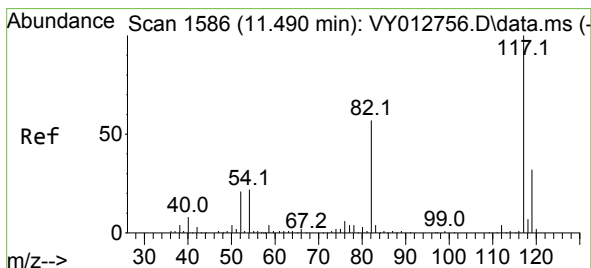
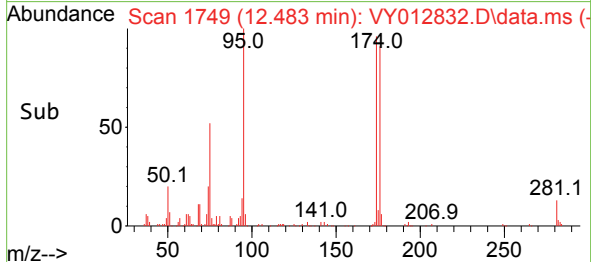
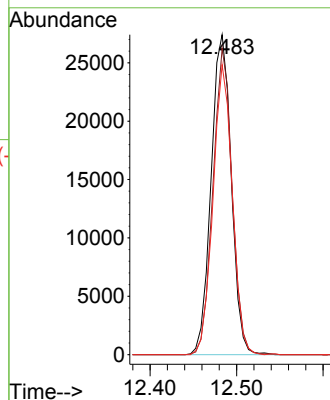
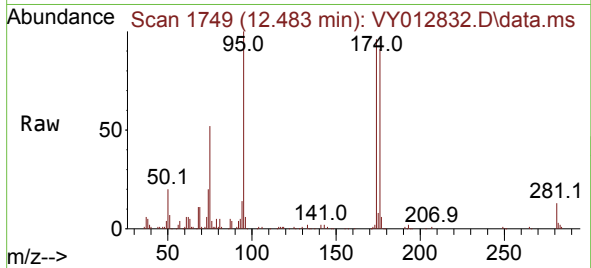




#62
4-Bromofluorobenzene
Concen: 56.114 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

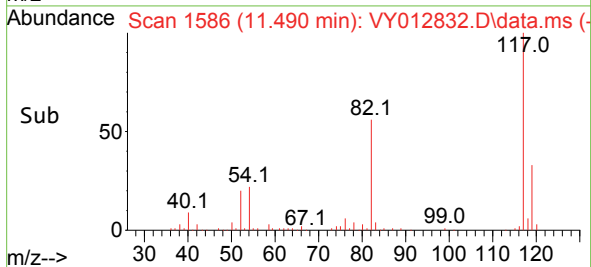
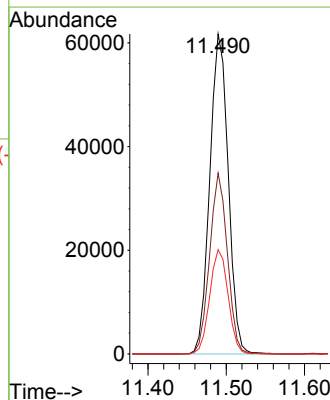
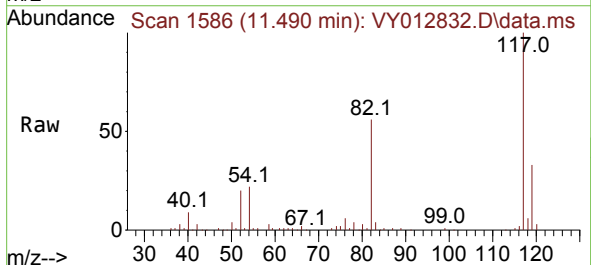
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MSVOA_Y
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COMP-3

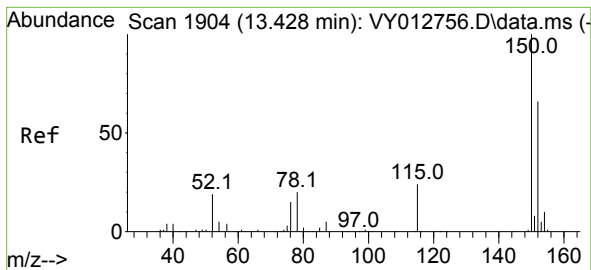
Tgt Ion: 95 Resp: 44171
Ion Ratio Lower Upper
95 100
174 91.6 0.0 176.6
176 87.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

Tgt Ion: 117 Resp: 100932
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 32.6 25.6 38.4

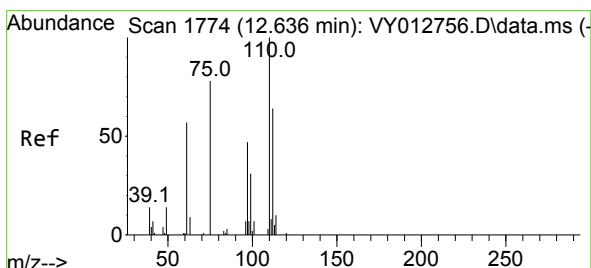
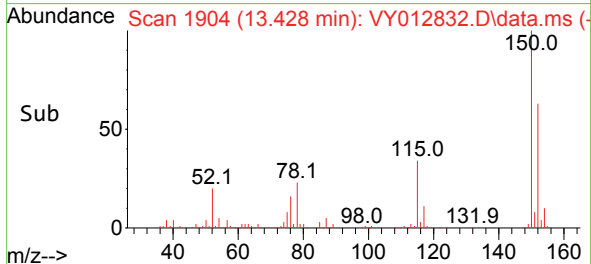
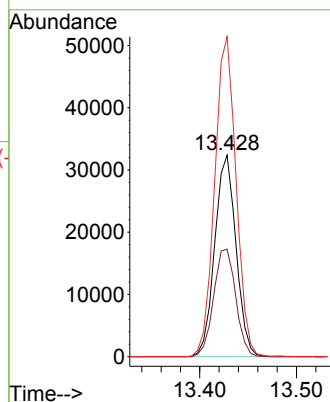
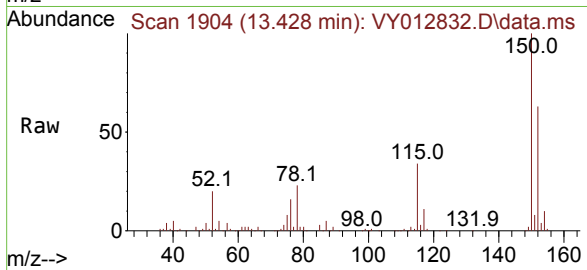




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

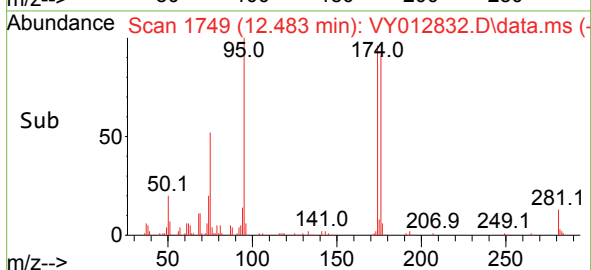
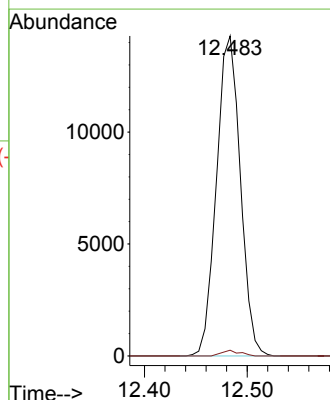
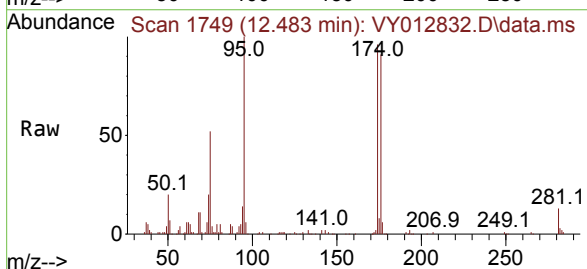
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COMP-3

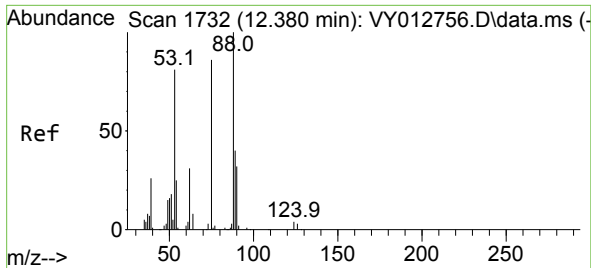
Tgt Ion:152 Resp: 49482
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.3
150 159.3 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 38.965 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012832.D
Acq: 06 Mar 2023 18:29

Tgt Ion: 75 Resp: 23024
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.736 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012832.D
 Acq: 06 Mar 2023 18:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Tgt Ion: 75 Resp: 23024
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

