

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012972.D
 Acq On : 16 Mar 2023 15:40
 Operator : KP/MD
 Sample : 01932-17
 Misc : 8.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-6C-031423

Quant Time: Mar 17 01:36:58 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)

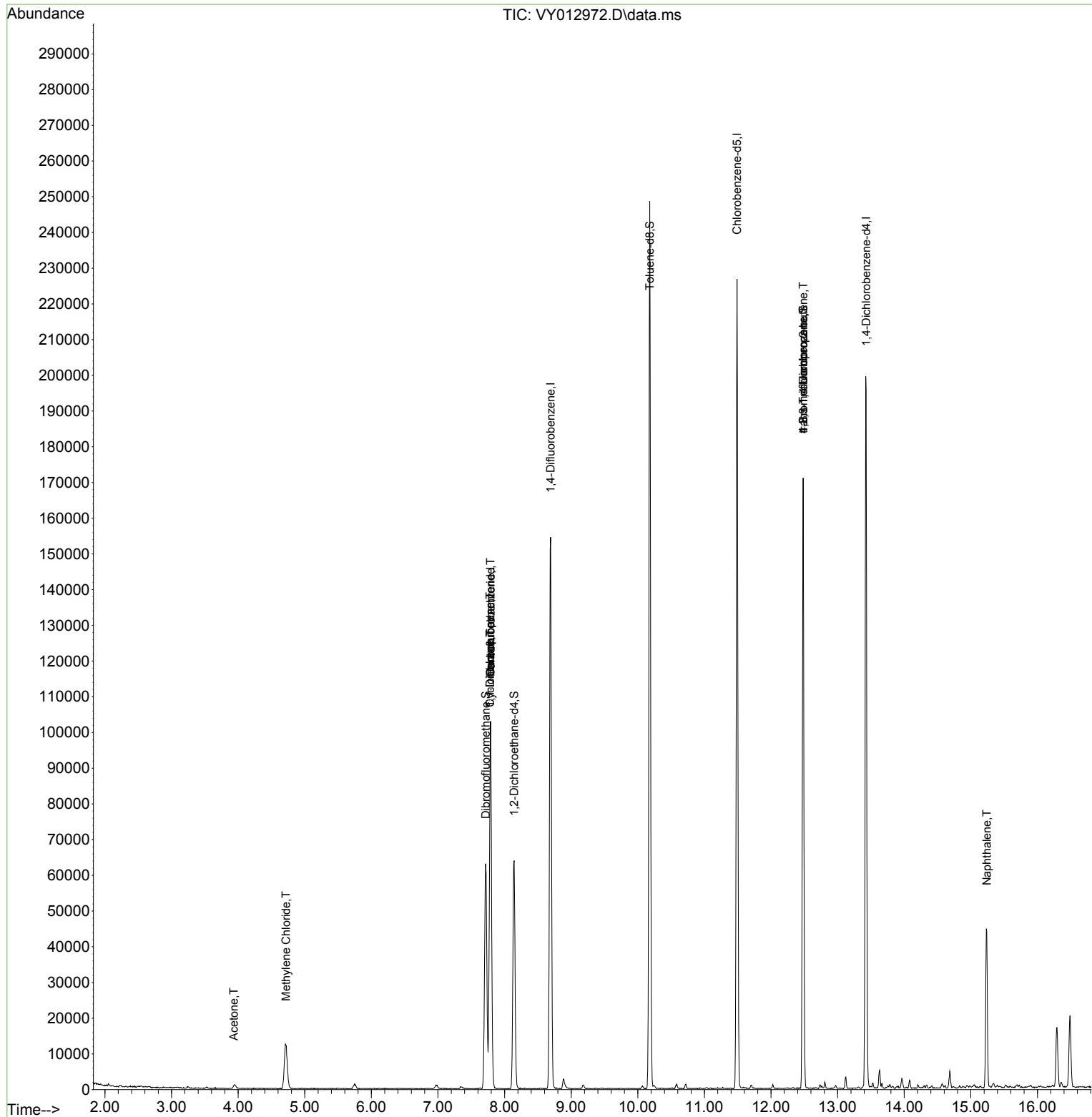
Internal Standards						
1) Pentafluorobenzene	7.789	168	77933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	130646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	52450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50531	65.305	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.600%			
35) Dibromofluoromethane	7.716	113	44942	57.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.000%			
50) Toluene-d8	10.179	98	156985	54.463	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.920%			
62) 4-Bromofluorobenzene	12.483	95	47335	48.654	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.300%			
Target Compounds						
11) Tert butyl alcohol	4.960	59	61	Below Cal	#	74
16) Acetone	3.936	43	1993	6.562	ug/l	92
20) Methylene Chloride	4.716	84	9397	5.340	ug/l	89
31) Cyclohexane	7.783	56	1847	1.246	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	6066	4.591	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	7629	5.591	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	24298	38.794	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	24298	80.382	ug/l	# 13
95) Naphthalene	15.239	128	37583	19.348	ug/l	99

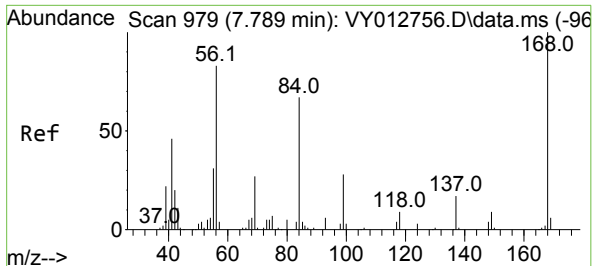
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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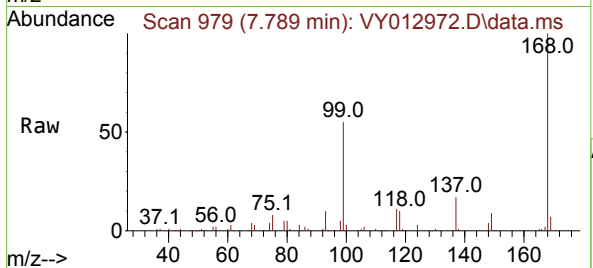
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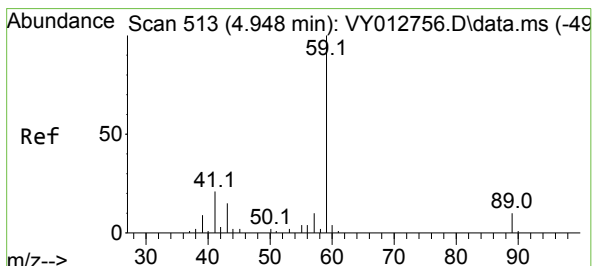
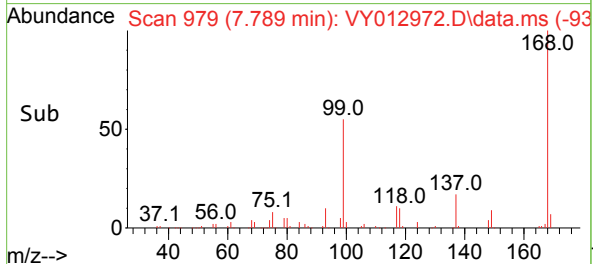
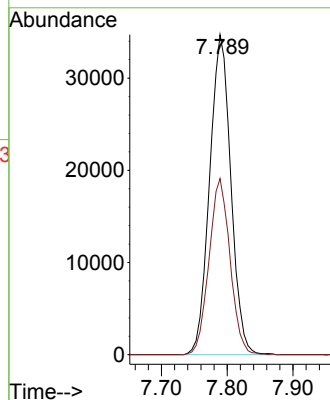


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Instrument :
MSVOA_Y
ClientSampleId :
JPP-6C-031423

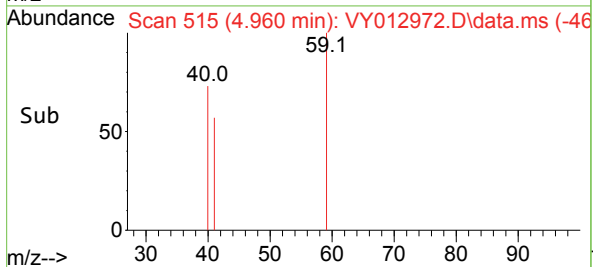
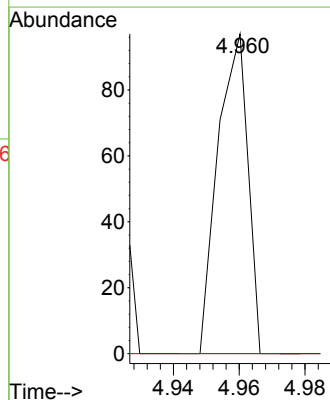
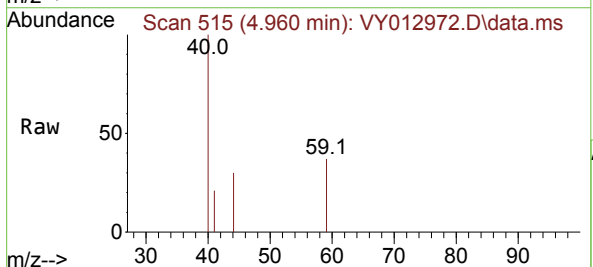


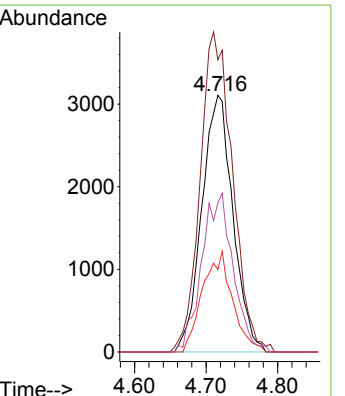
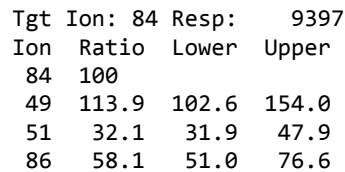
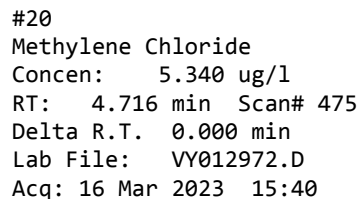
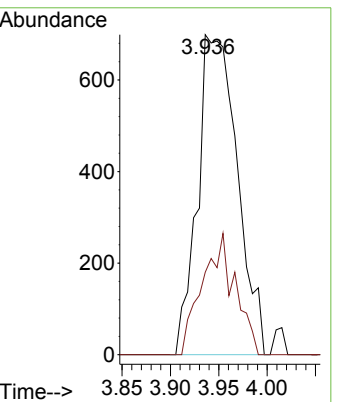
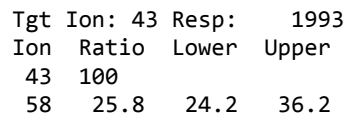
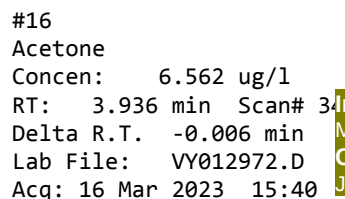
Tgt Ion:168 Resp: 77933
Ion Ratio Lower Upper
168 100
99 55.0 41.7 62.5

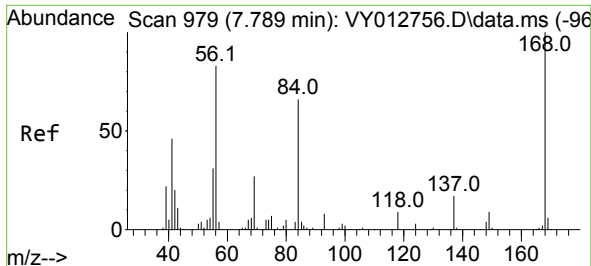


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



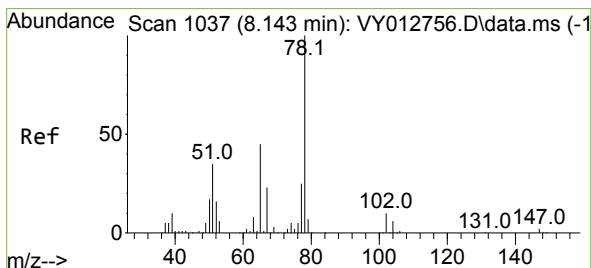
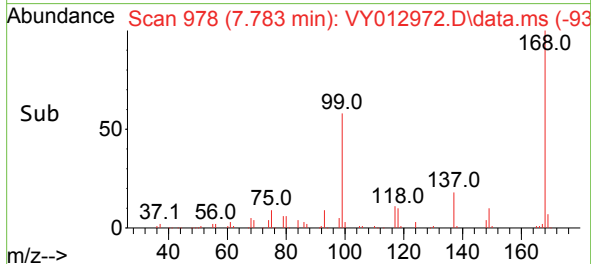
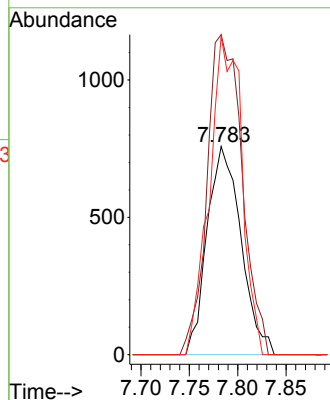
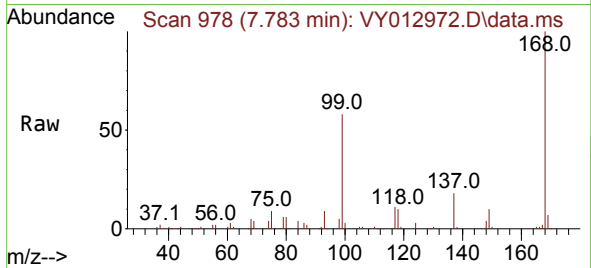




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

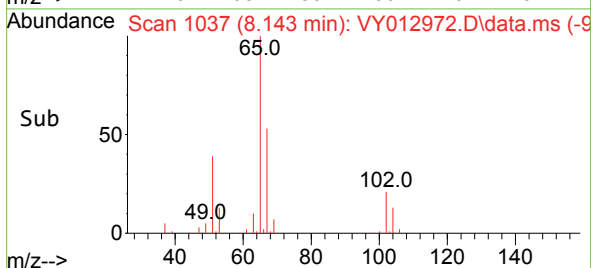
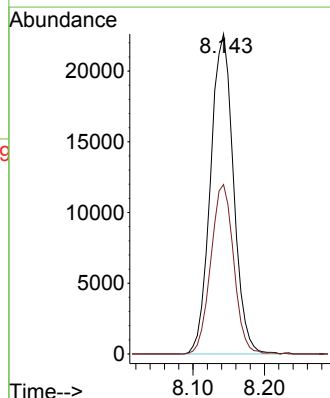
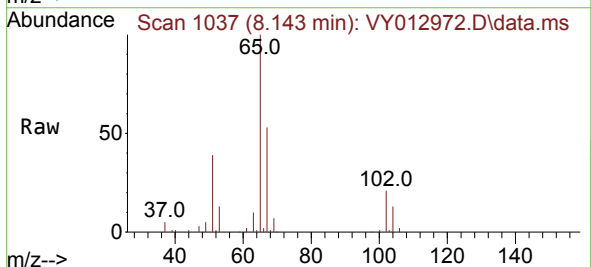
Instrument :
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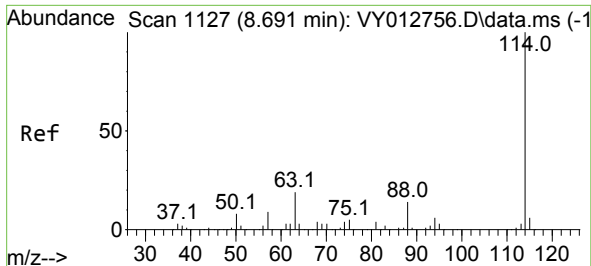
Tgt Ion: 56 Resp: 1847
Ion Ratio Lower Upper
56 100
69 153.7 25.7 38.5#
84 152.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 65.305 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Tgt Ion: 65 Resp: 50531
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.0

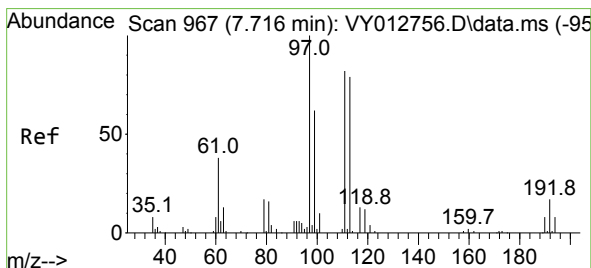
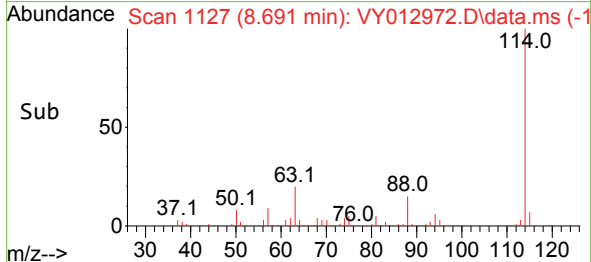
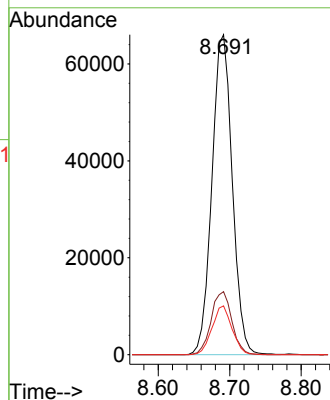
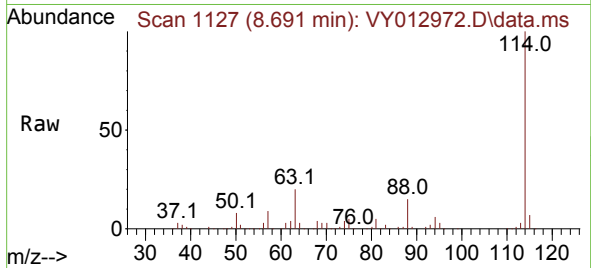




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

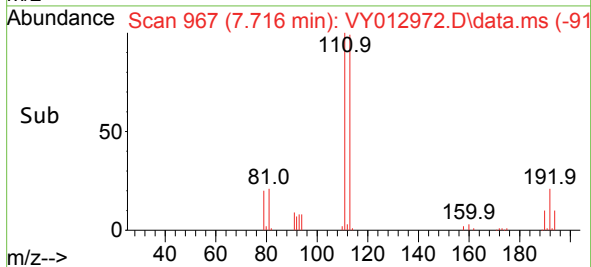
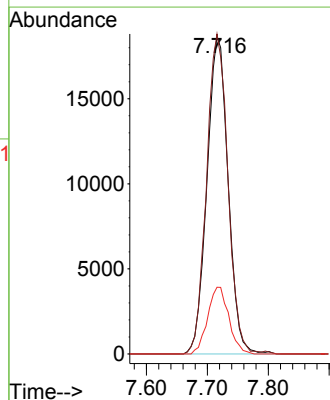
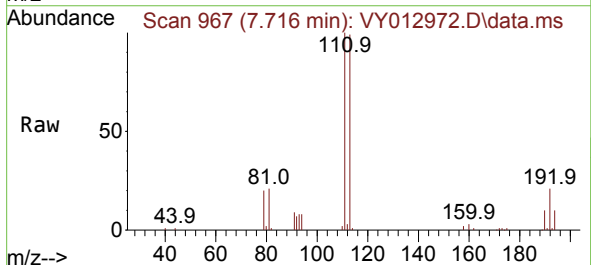
Instrument :
MSVOA_Y
ClientSampleId :
JPP-6C-031423

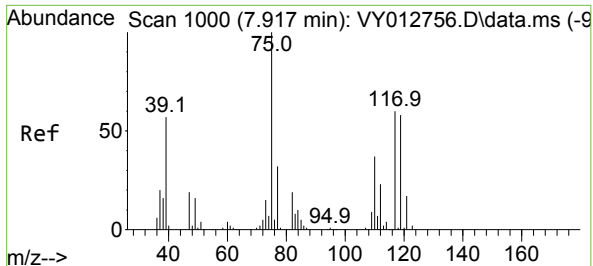
Tgt Ion:114 Resp: 130646
Ion Ratio Lower Upper
114 100
63 19.7 0.0 37.4
88 15.2 0.0 28.6



#35
Dibromofluoromethane
Concen: 57.001 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Tgt Ion:113 Resp: 44942
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 21.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.591 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012972.D

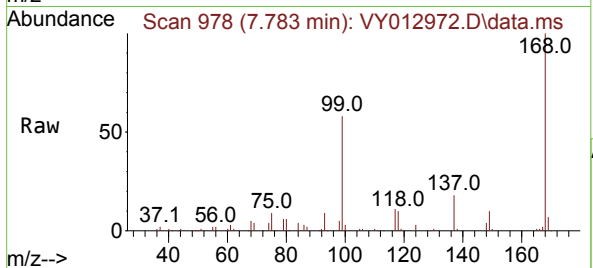
Acq: 16 Mar 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

JPP-6C-031423



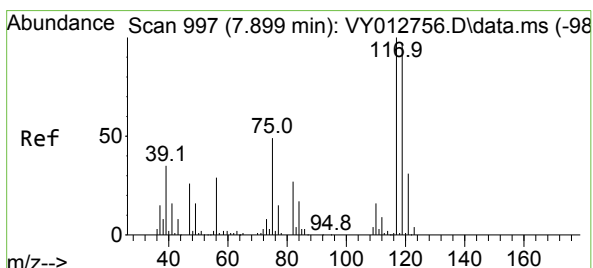
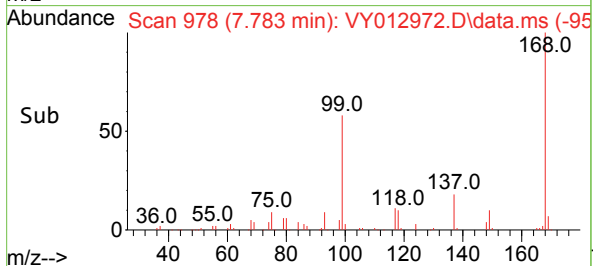
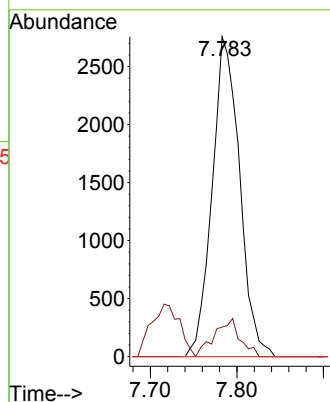
Tgt Ion: 75 Resp: 6066

Ion Ratio Lower Upper

75 100

110 11.1 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012972.D

Acq: 16 Mar 2023 15:40

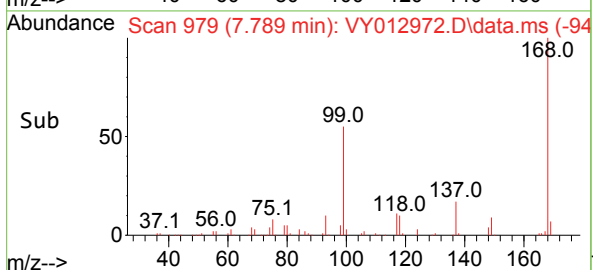
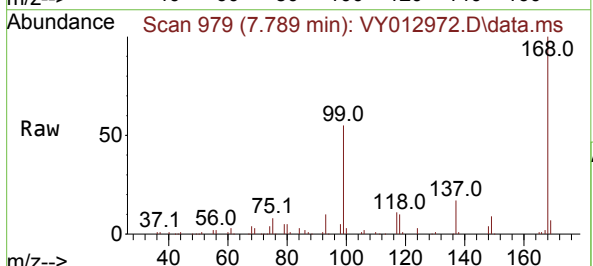
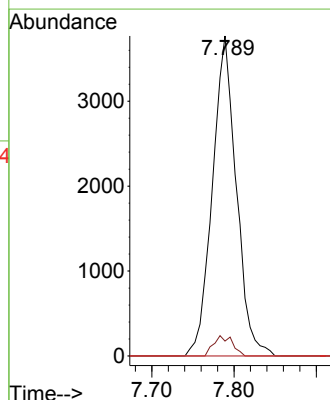
Tgt Ion: 117 Resp: 7629

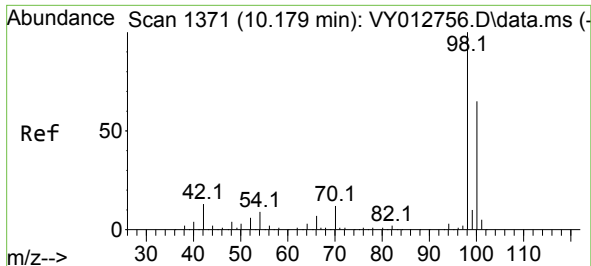
Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

121 0.0 24.7 37.1#

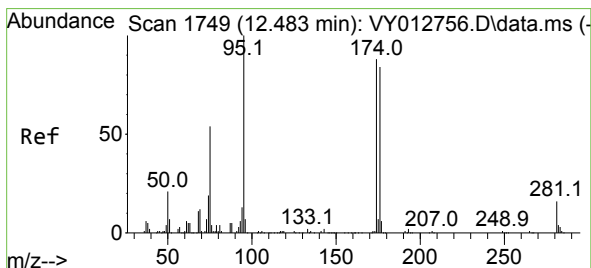
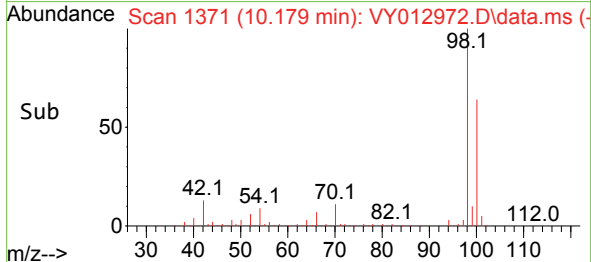
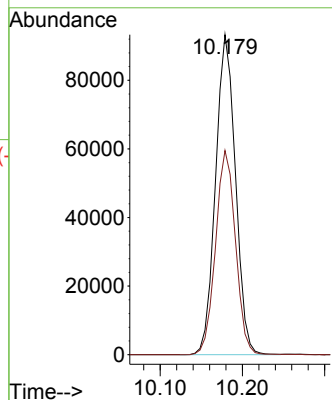
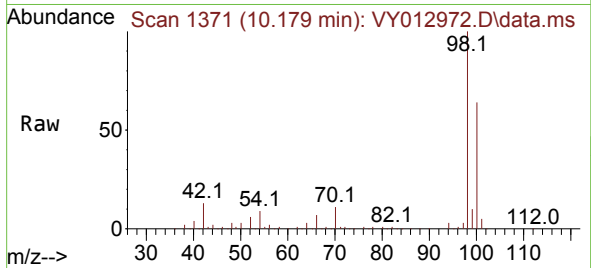




#50
Toluene-d8
Concen: 54.463 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

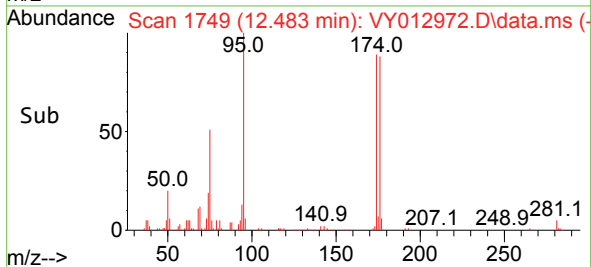
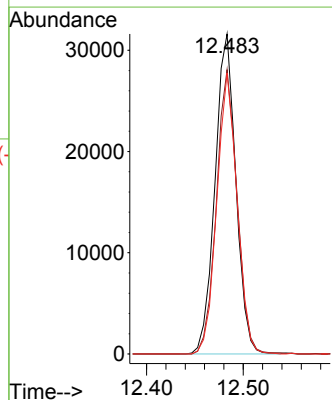
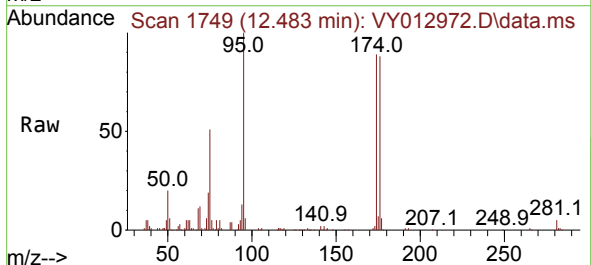
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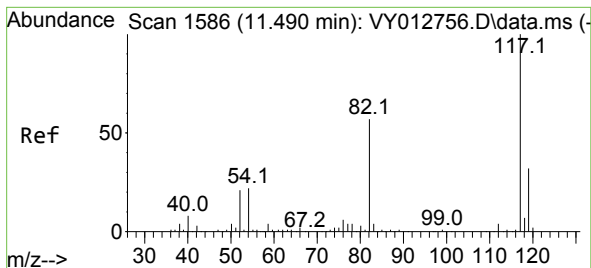
Tgt Ion: 98 Resp: 156985
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.654 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Tgt Ion: 95 Resp: 47335
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 85.3 0.0 170.2

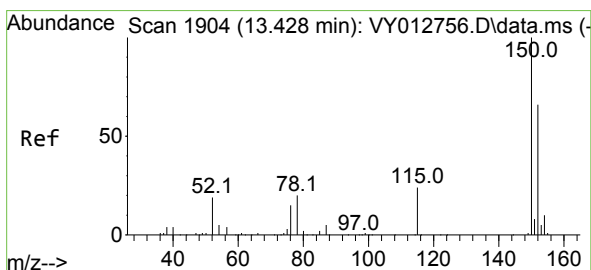
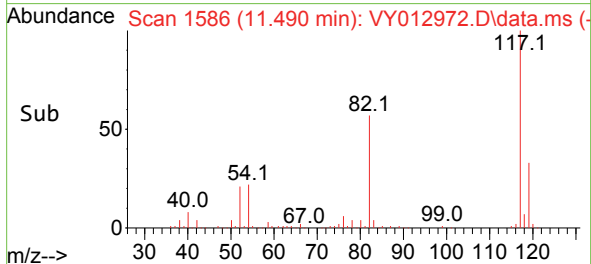
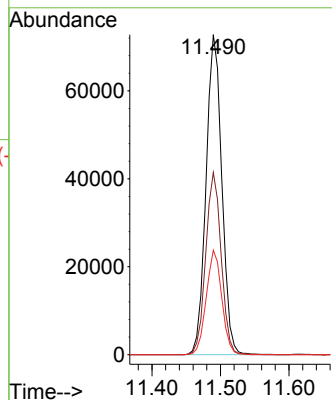
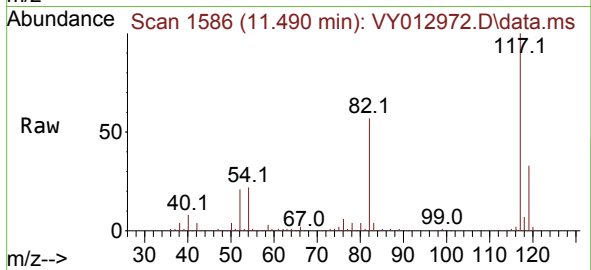




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

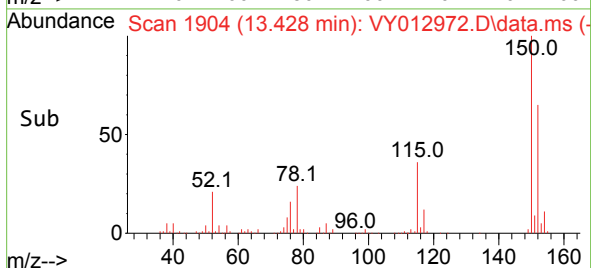
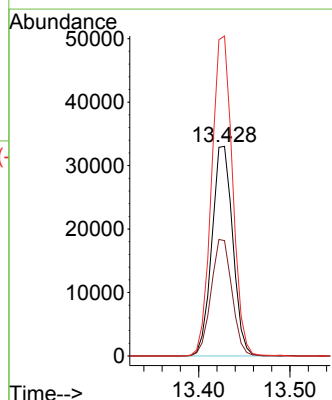
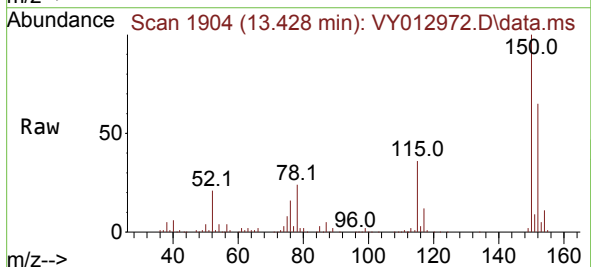
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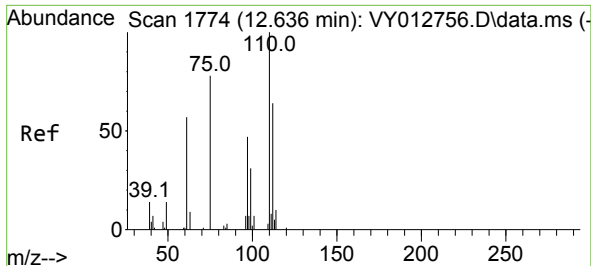
Tgt Ion:117 Resp: 116690
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Tgt Ion:152 Resp: 52450
Ion Ratio Lower Upper
152 100
115 55.6 27.1 81.3
150 152.7 0.0 347.8

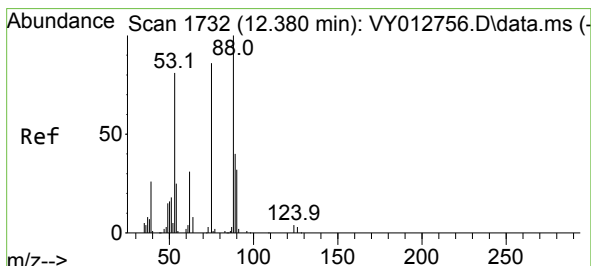
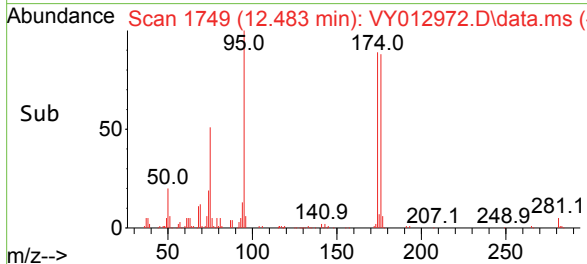
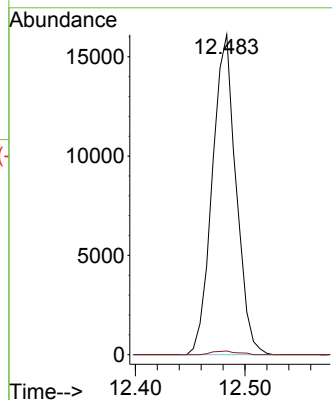
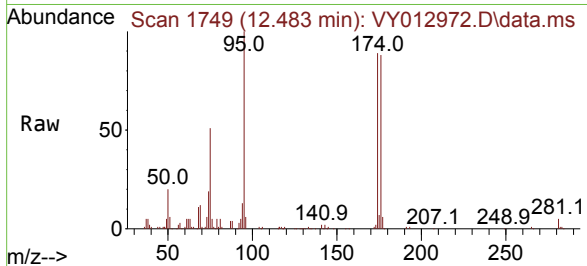




#76
1,2,3-Trichloropropane
Concen: 38.794 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

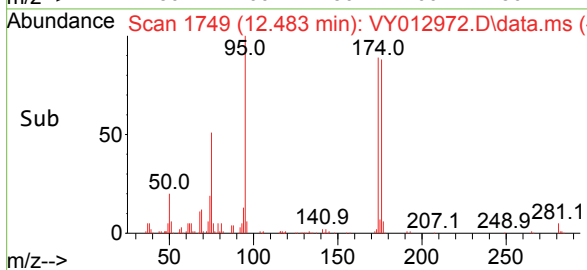
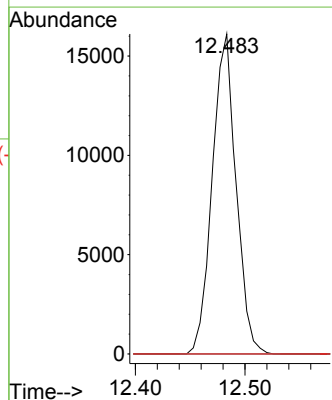
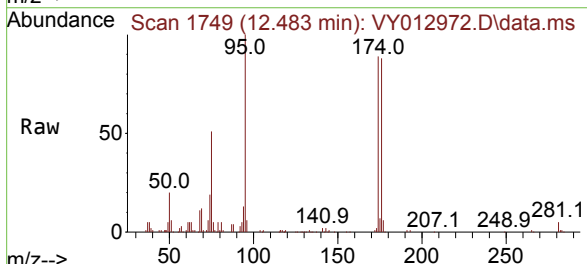
Instrument :
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ClientSampleId :
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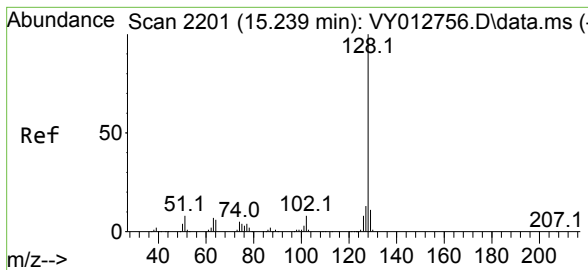
Tgt Ion: 75 Resp: 24298
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.382 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012972.D
Acq: 16 Mar 2023 15:40

Tgt Ion: 75 Resp: 24298
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#





#95
 Naphthalene
 Concen: 19.348 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY012972.D
 Acq: 16 Mar 2023 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-6C-031423

Tgt Ion:	128	Resp:	37583
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.1	8.6	13.0

