

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032923\
 Data File : VY013131.D
 Acq On : 29 Mar 2023 12:57
 Operator : KP/MD
 Sample : 02108-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-235

Quant Time: Mar 29 23:32:39 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)

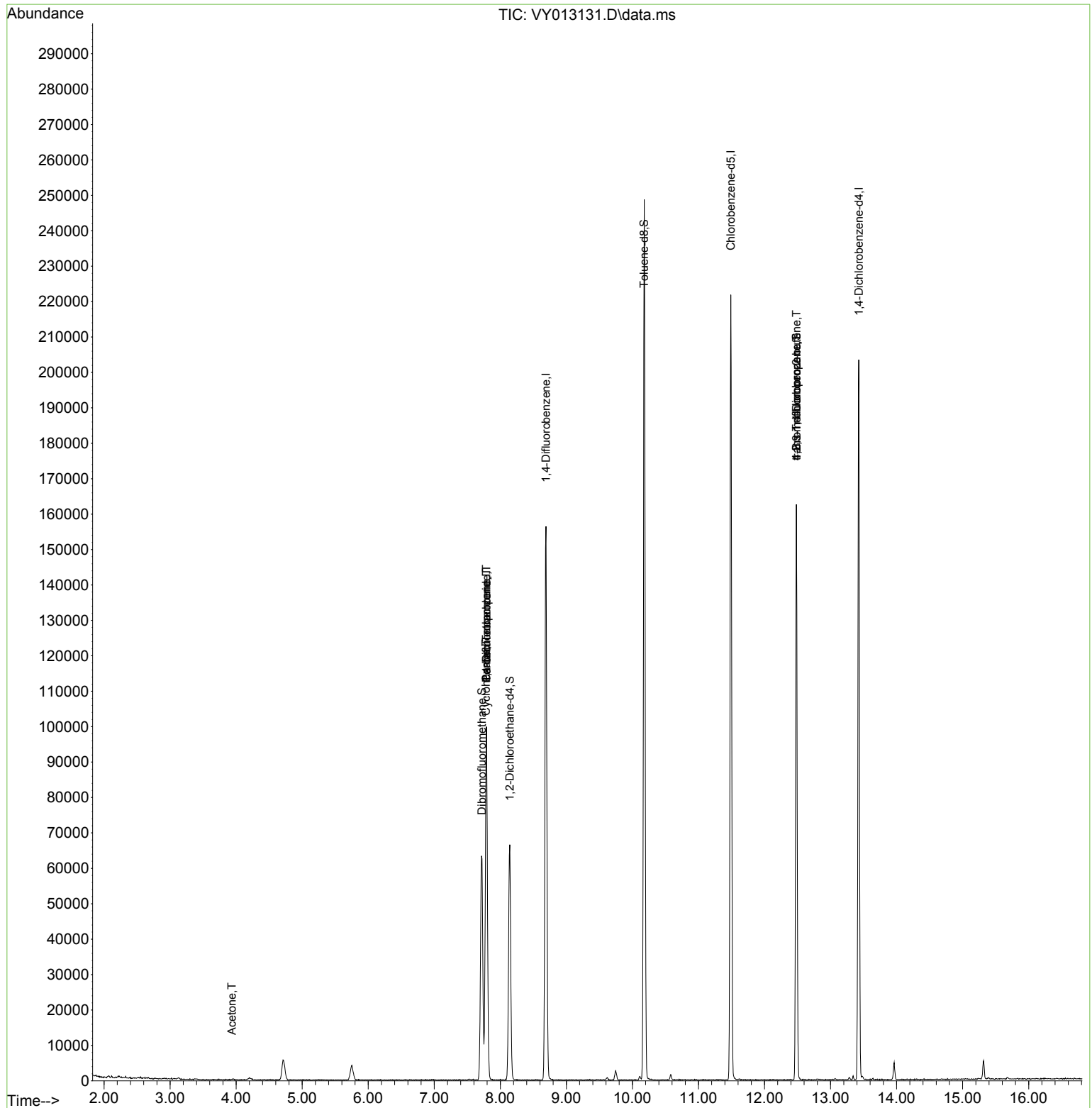
Internal Standards						
1) Pentafluorobenzene	7.789	168	75908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	128295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	116984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51631	68.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.020%	
35) Dibromofluoromethane	7.722	113	45234	58.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.840%	
50) Toluene-d8	10.179	98	158946	56.154	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.300%	
62) 4-Bromofluorobenzene	12.483	95	44811	46.904	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	448	1.514	ug/l #	44
20) Methylene Chloride	4.716	84	4313	Below Cal		96
31) Cyclohexane	7.783	56	1720	1.192	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	6093	4.696	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7369	5.500	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	24726	39.964	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24726	82.807	ug/l #	13

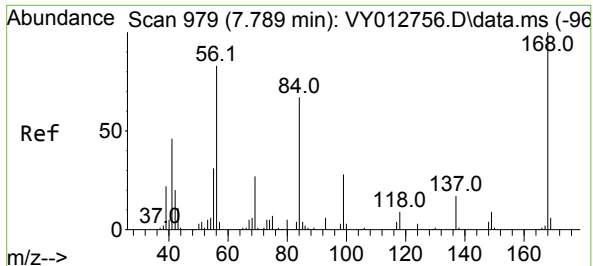
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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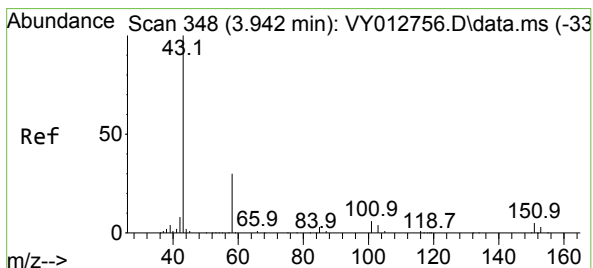
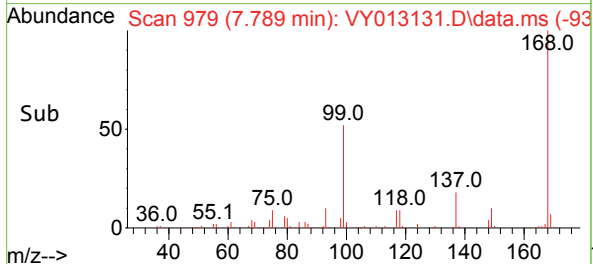
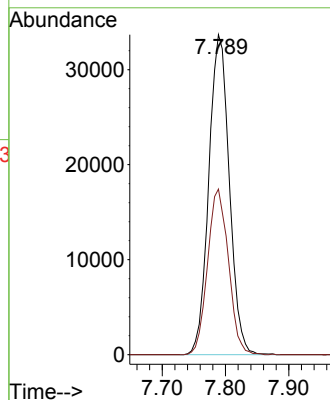
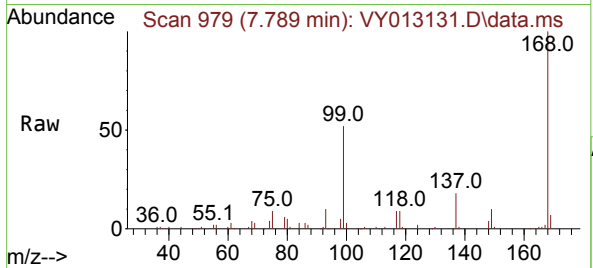




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

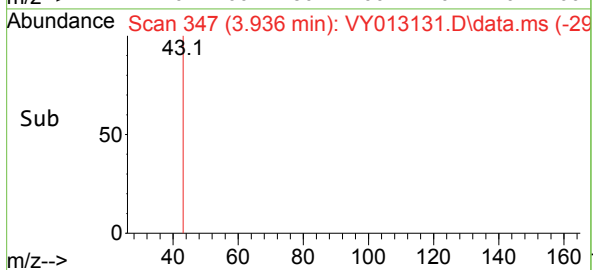
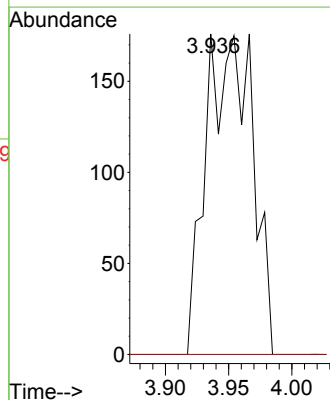
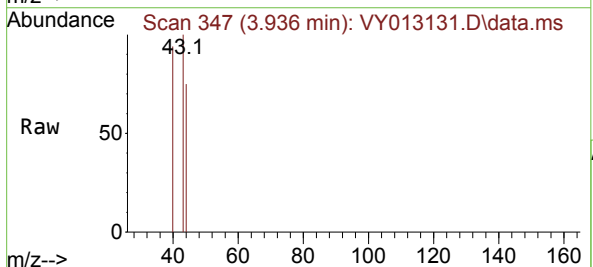
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-235

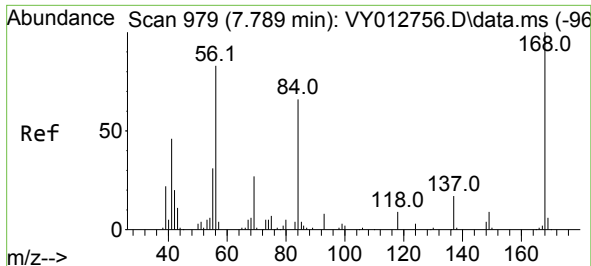
Tgt Ion:168 Resp: 75908
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#16
Acetone
Concen: 1.514 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#

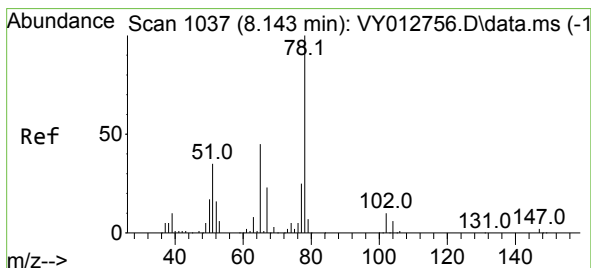
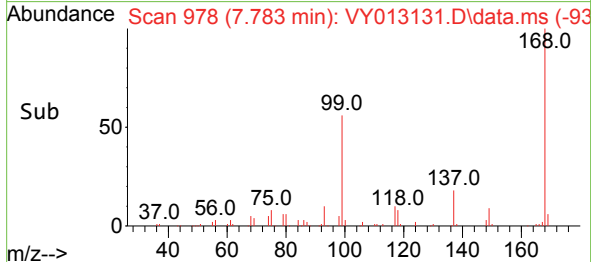
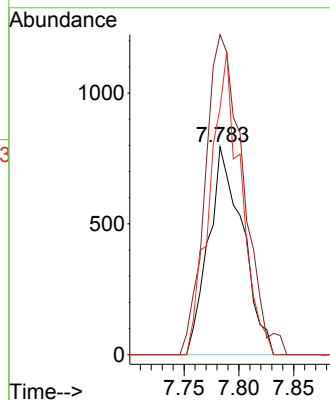
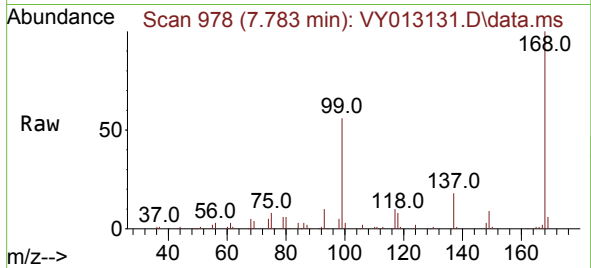




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

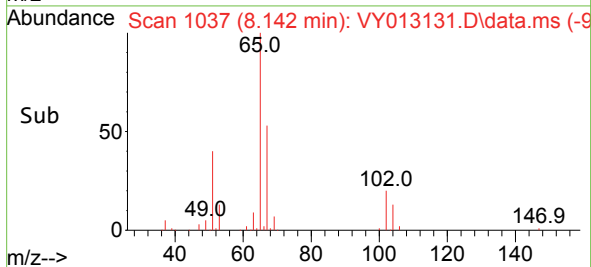
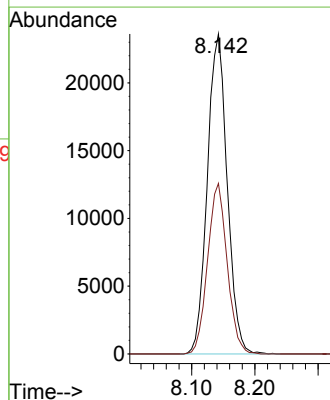
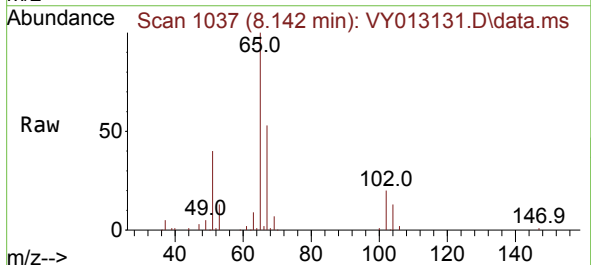
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-235

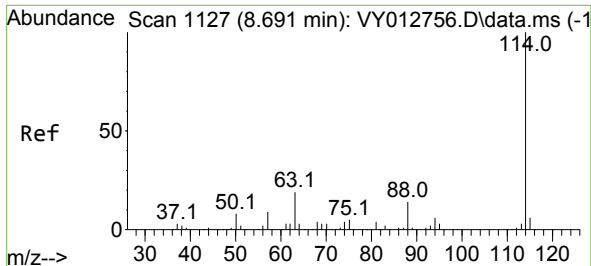
Tgt Ion: 56 Resp: 1720
Ion Ratio Lower Upper
56 100
69 154.0 25.7 38.5#
84 118.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 68.506 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

Tgt Ion: 65 Resp: 51631
Ion Ratio Lower Upper
65 100
67 52.5 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: VY013131.D

Acq: 29 Mar 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-235

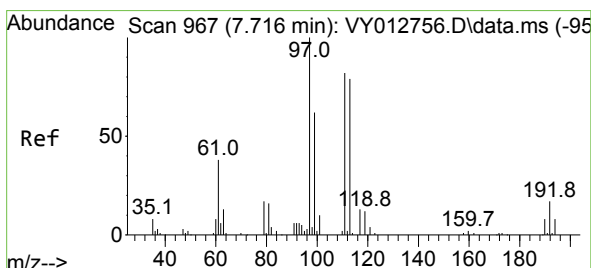
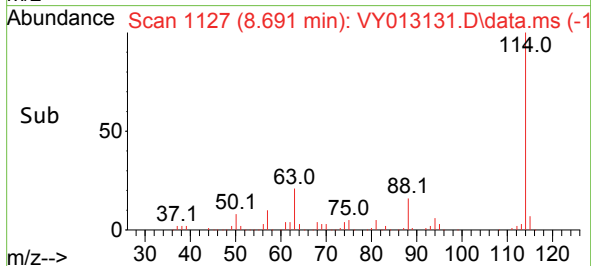
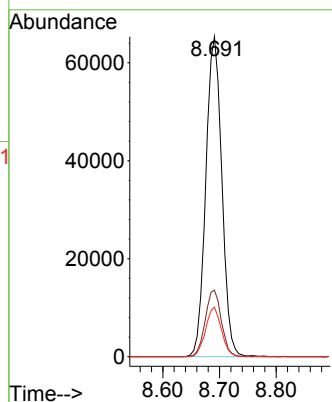
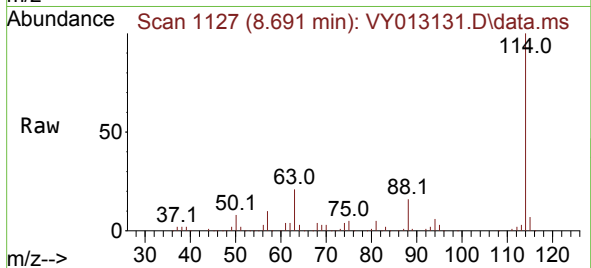
Tgt Ion:114 Resp: 128295

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 58.422 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013131.D

Acq: 29 Mar 2023 12:57

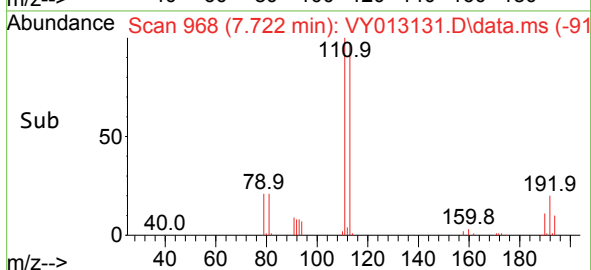
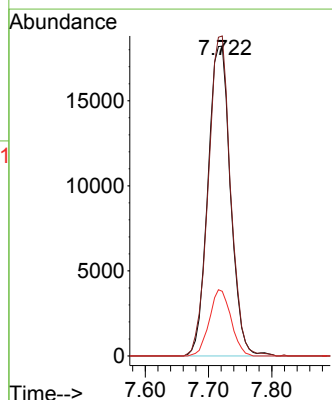
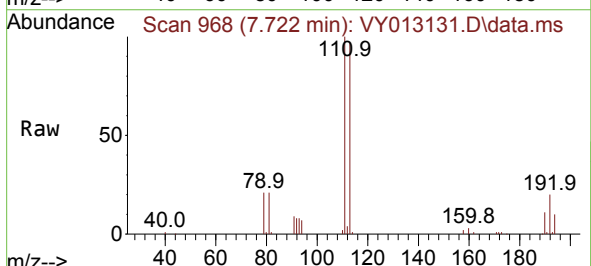
Tgt Ion:113 Resp: 45234

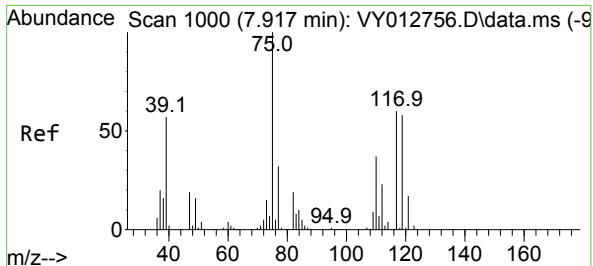
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.2

192 20.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013131.D

Acq: 29 Mar 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-235

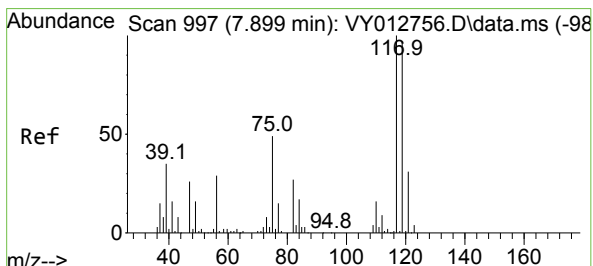
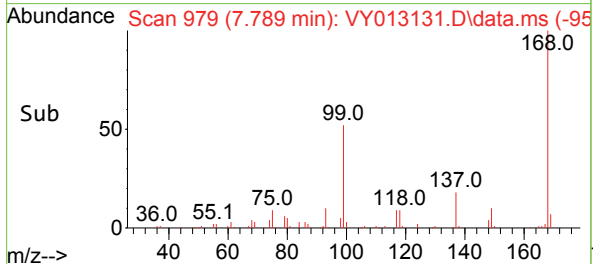
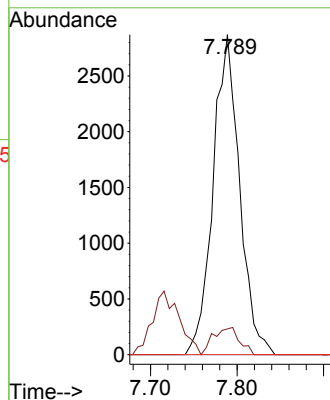
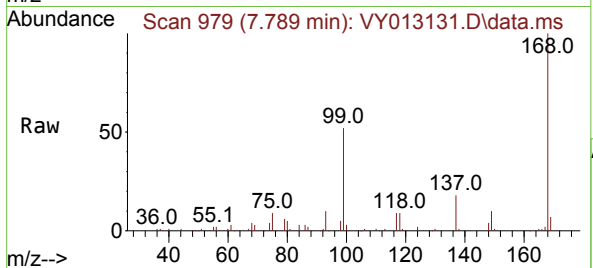
Tgt Ion: 75 Resp: 6093

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.500 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013131.D

Acq: 29 Mar 2023 12:57

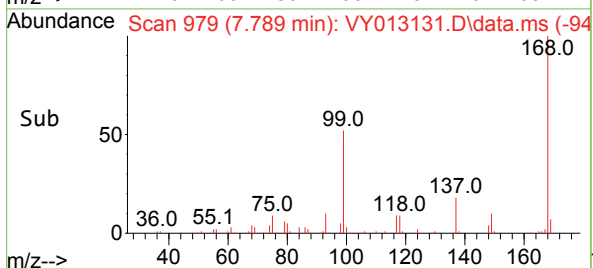
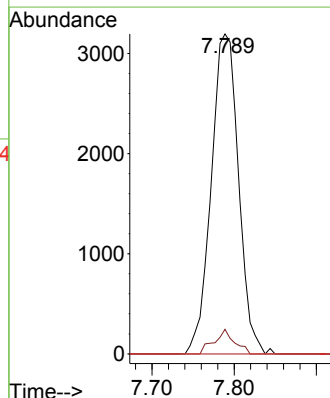
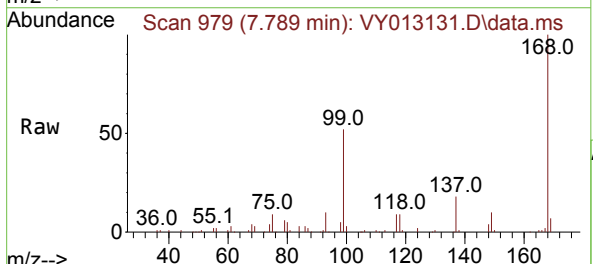
Tgt Ion: 117 Resp: 7369

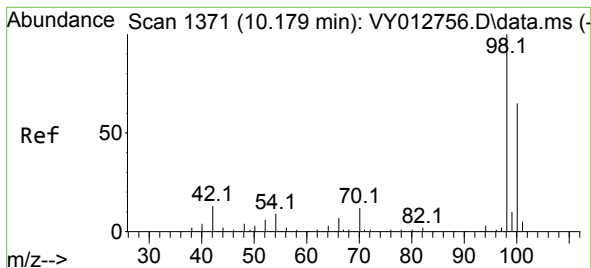
Ion Ratio Lower Upper

117 100

119 7.7 77.2 115.8#

121 0.0 24.7 37.1#

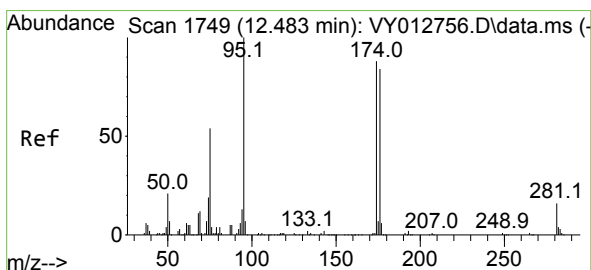
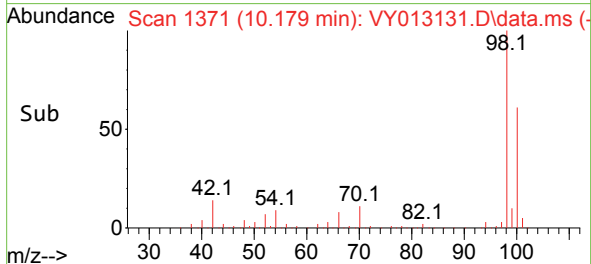
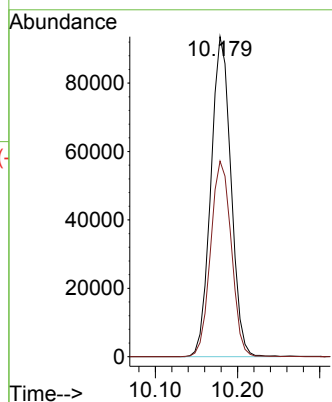
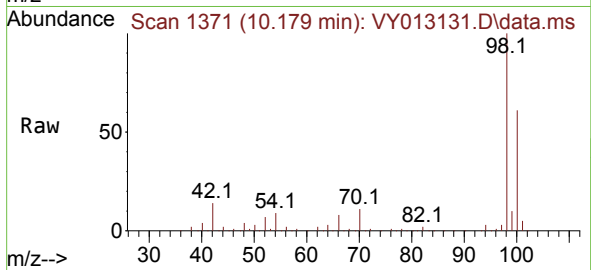




#50
Toluene-d8
Concen: 56.154 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

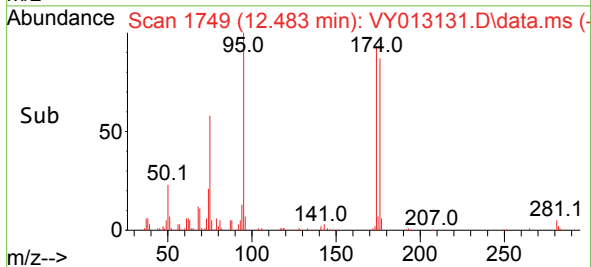
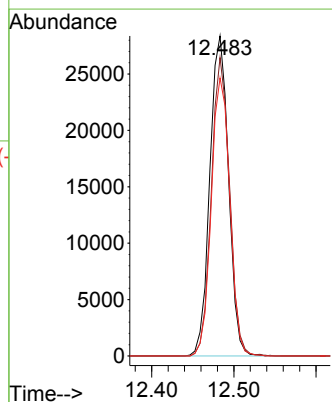
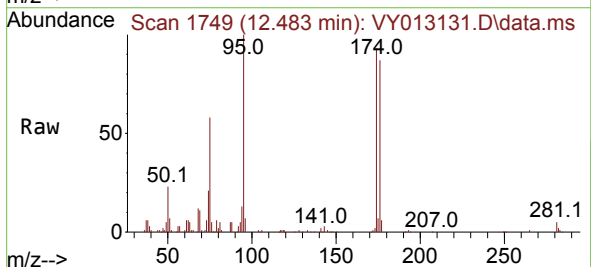
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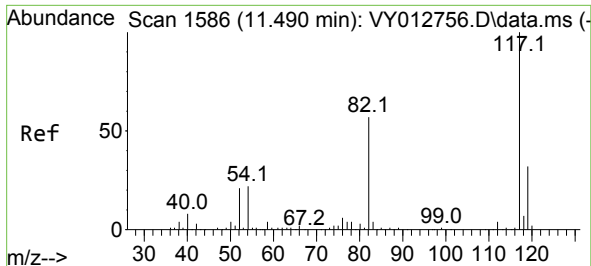
Tgt Ion: 98 Resp: 158946
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

Tgt Ion: 95 Resp: 44811
Ion Ratio Lower Upper
95 100
174 90.7 0.0 176.6
176 86.4 0.0 170.2

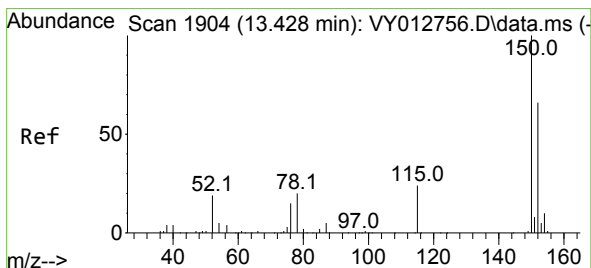
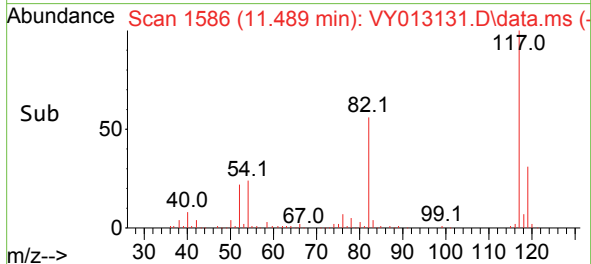
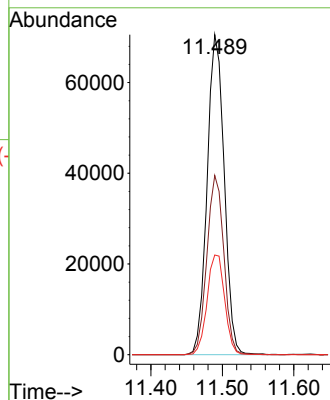
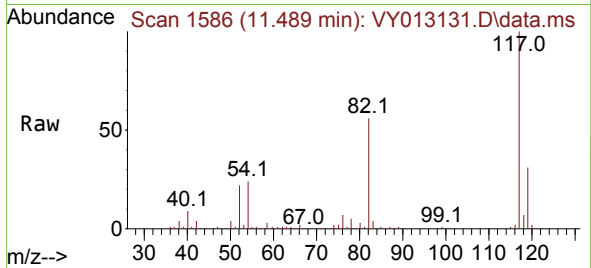




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

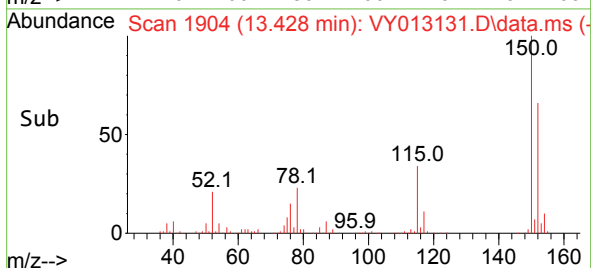
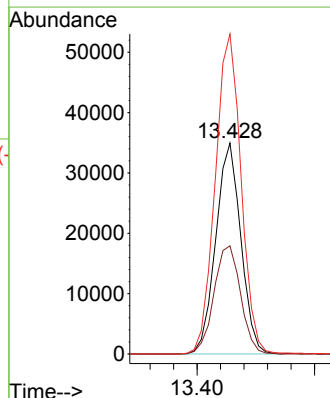
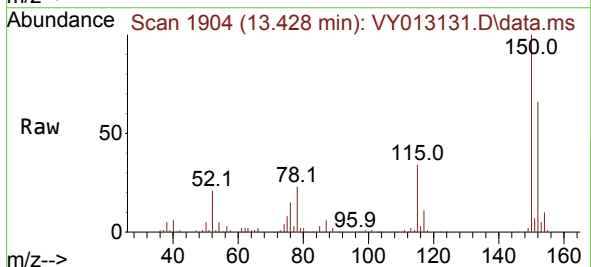
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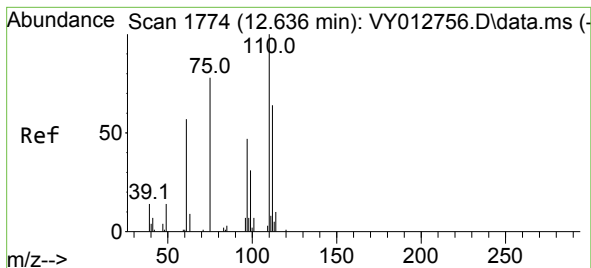
Tgt Ion:117 Resp: 116984
Ion Ratio Lower Upper
117 100
82 56.0 45.4 68.0
119 31.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

Tgt Ion:152 Resp: 51811
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 156.3 0.0 347.8

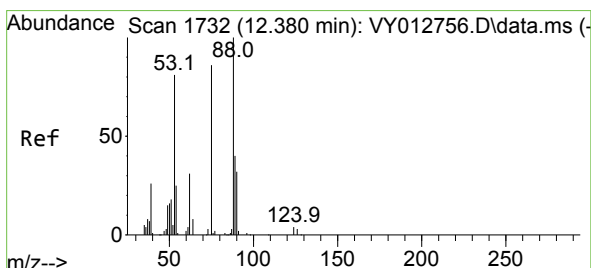
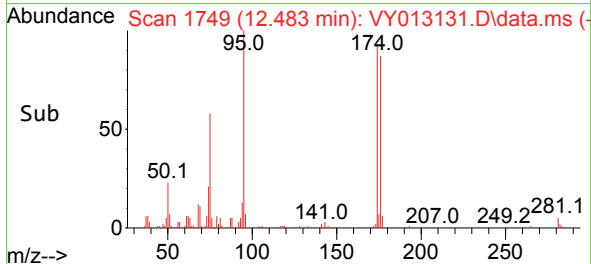
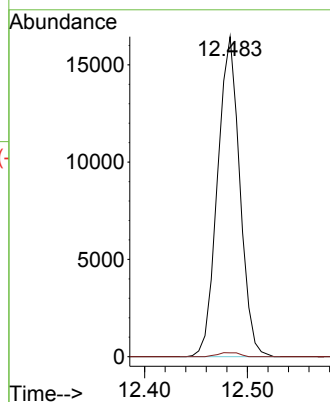
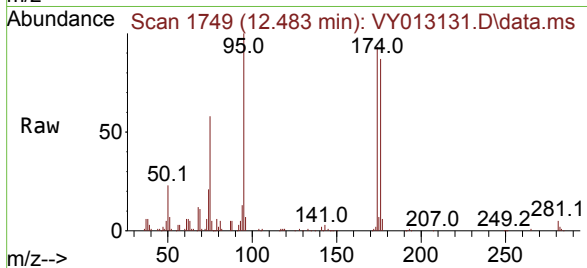




#76
1,2,3-Trichloropropane
Concen: 39.964 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-235

Tgt Ion: 75 Resp: 24726
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.807 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013131.D
Acq: 29 Mar 2023 12:57

Tgt Ion: 75 Resp: 24726
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.1 36.6 55.0#

