

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012826.D
 Acq On : 06 Mar 2023 16:13
 Operator : KP/MD
 Sample : 01770-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-223

Quant Time: Mar 07 04:25:39 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)

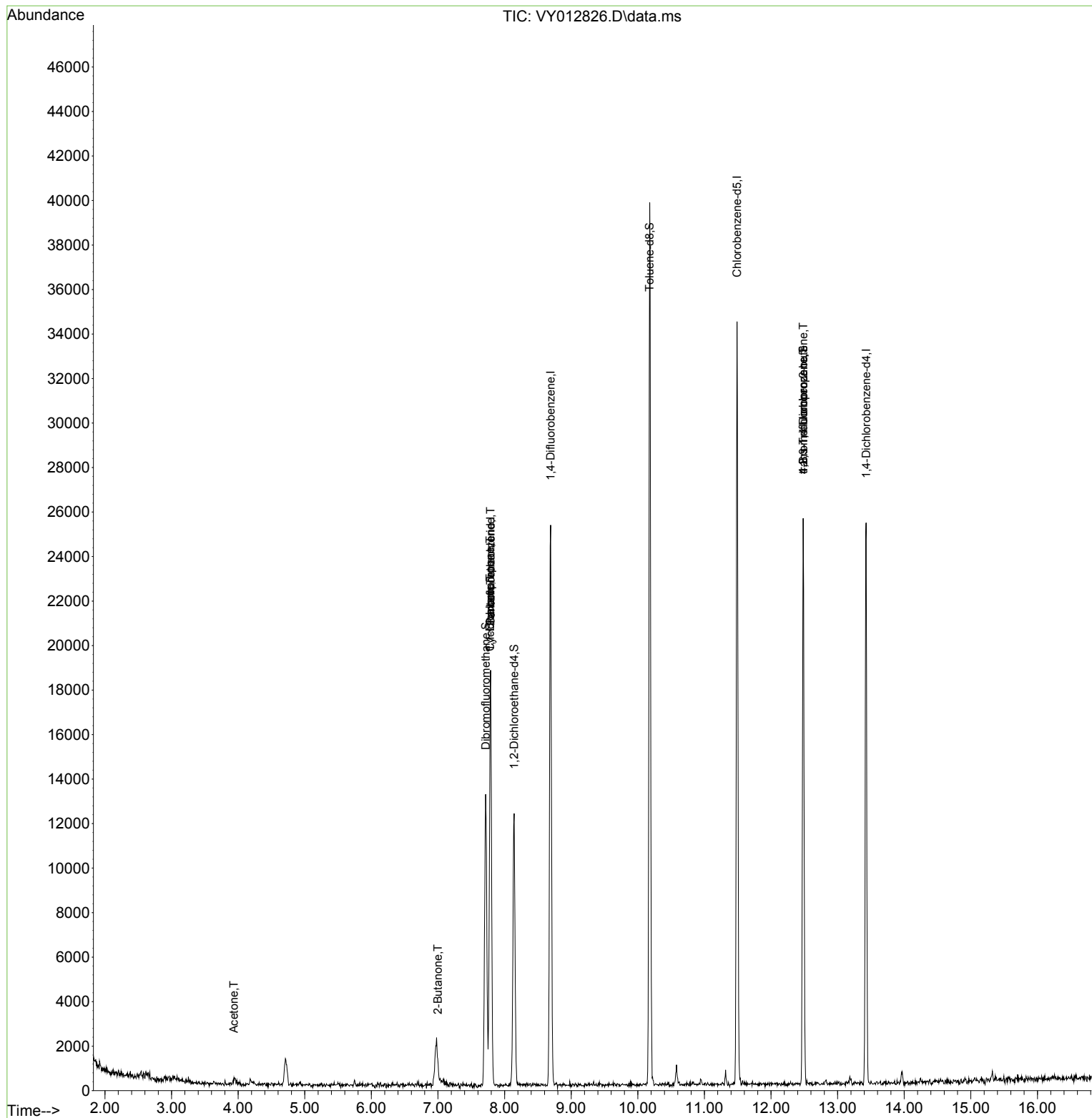
Internal Standards						
1) Pentafluorobenzene	7.789	168	14532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	21195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	18804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	9547	66.168	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.340%	
35) Dibromofluoromethane	7.716	113	9034	70.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.260%	
50) Toluene-d8	10.179	98	26331	56.309	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.620%	
62) 4-Bromofluorobenzene	12.483	95	6787	43.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.000%	
Target Compounds						
11) Tert butyl alcohol	4.936	59	65	Below Cal	#	74
16) Acetone	3.936	43	568	10.030	ug/l	93
20) Methylene Chloride	4.710	84	870	Below Cal		89
25) 2-Butanone	6.996	43	77	1.098	ug/l	# 49
31) Cyclohexane	7.783	56	310	1.122	ug/l	# 19
36) 1,1-Dichloropropene	7.783	75	1080	5.038	ug/l	# 43
38) Carbon Tetrachloride	7.789	117	1346	6.081	ug/l	# 12
76) 1,2,3-Trichloropropane	12.483	75	3746	45.688	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	3746	94.667	ug/l	# 13

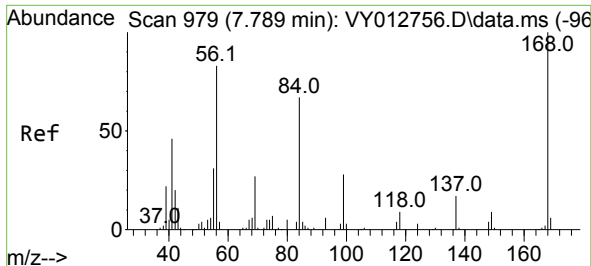
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

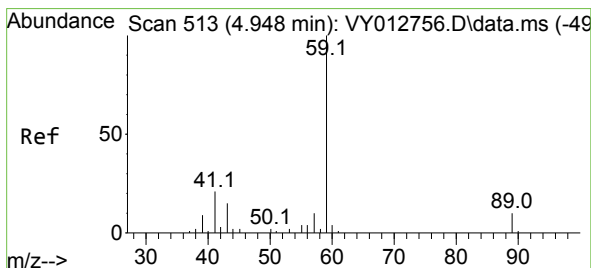
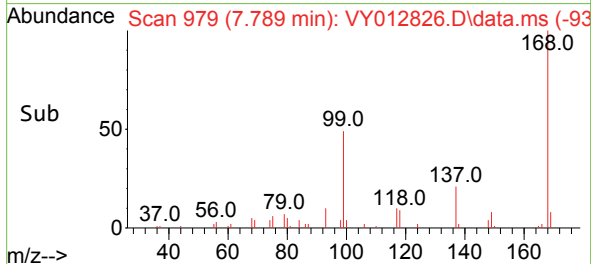
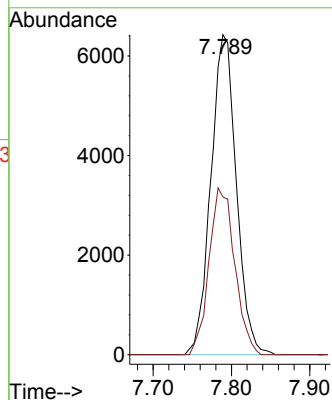
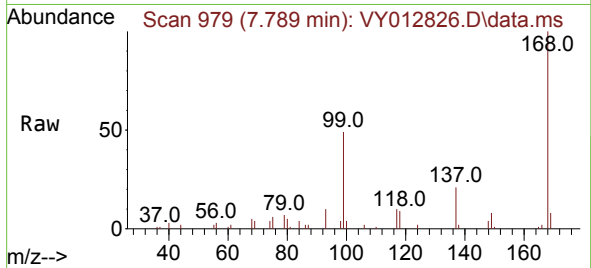




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

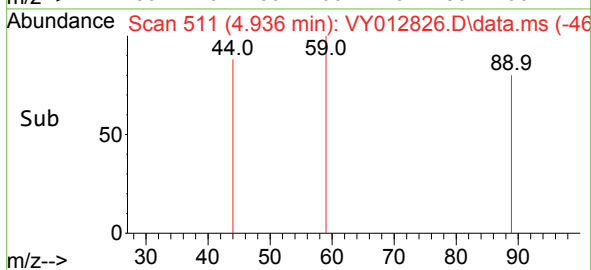
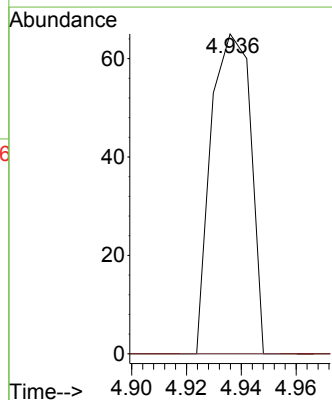
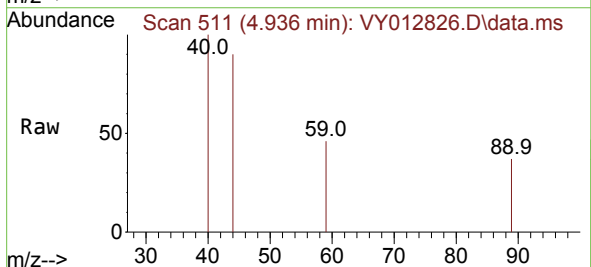
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

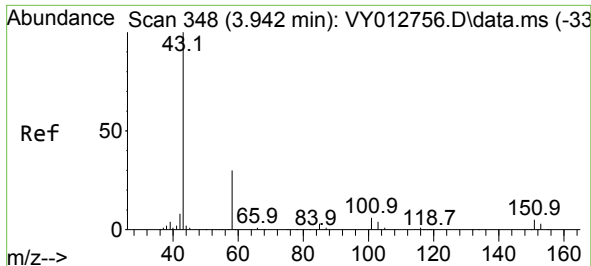
Tgt Ion:168 Resp: 14532
Ion Ratio Lower Upper
168 100
99 49.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

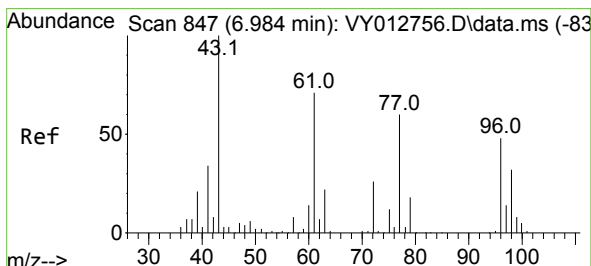
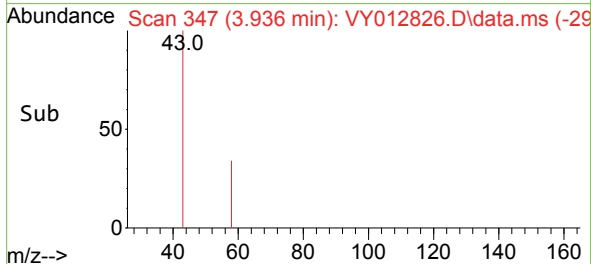
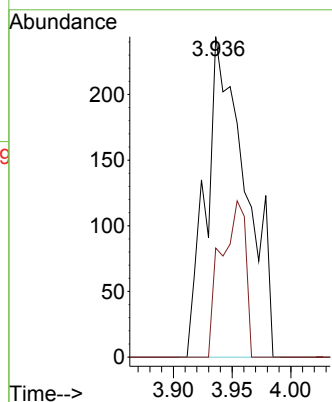
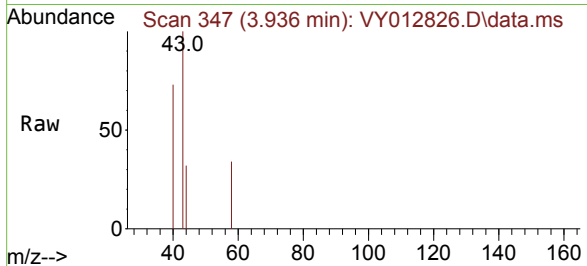




#16
Acetone
Concen: 10.030 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

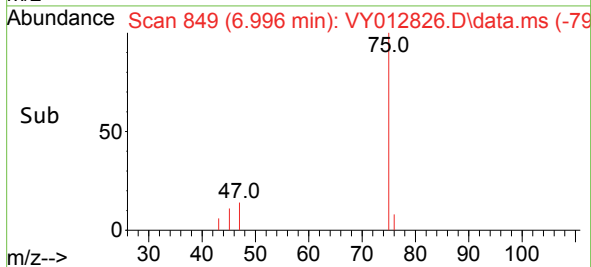
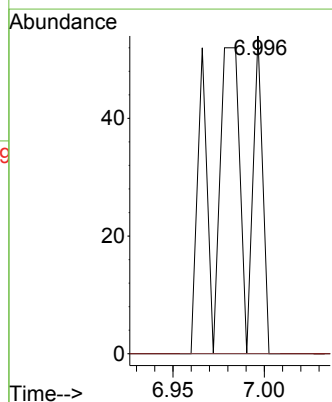
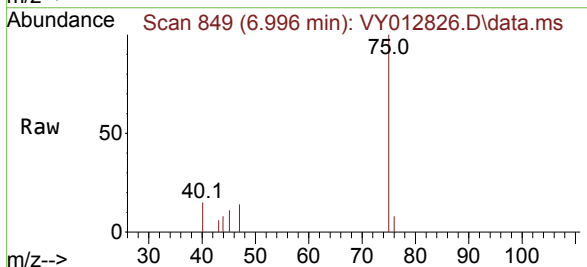
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

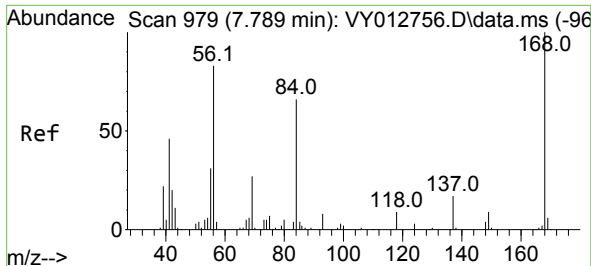
Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
58 34.0 24.2 36.2



#25
2-Butanone
Concen: 1.098 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

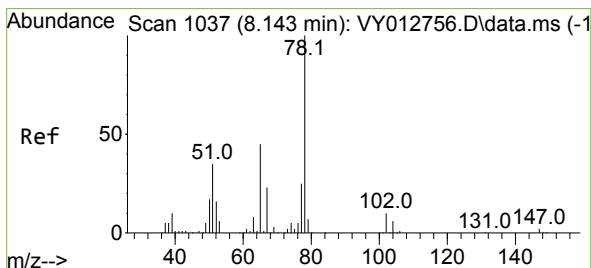
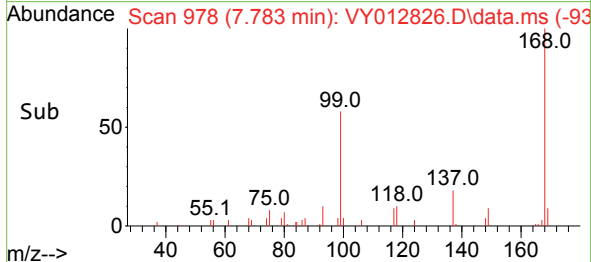
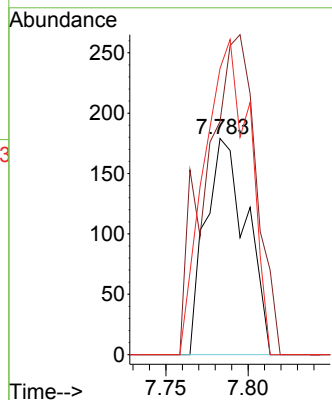
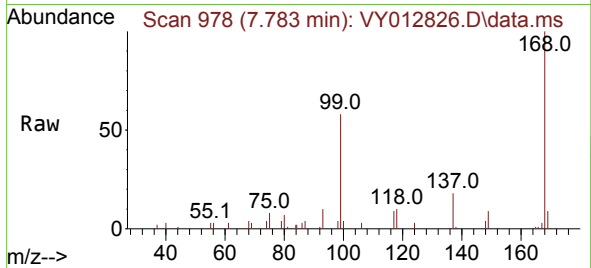




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

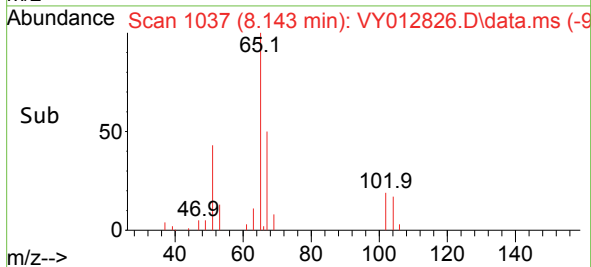
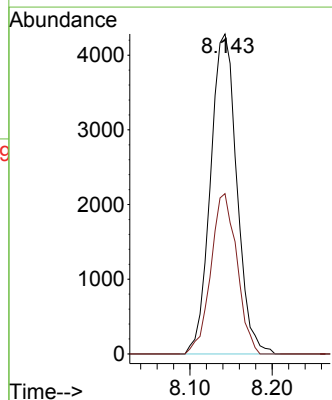
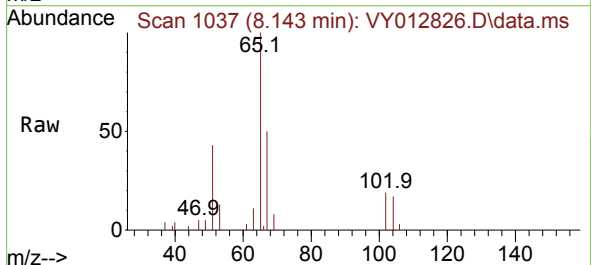
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

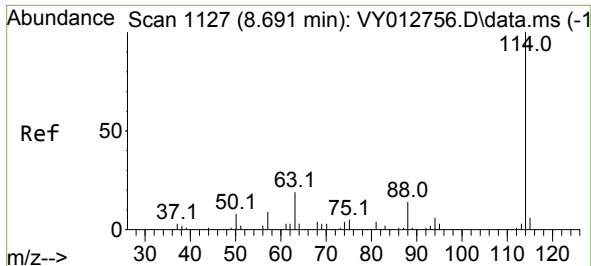
Tgt Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
69 107.8 25.7 38.5#
84 132.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 66.168 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Tgt Ion: 65 Resp: 9547
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.0

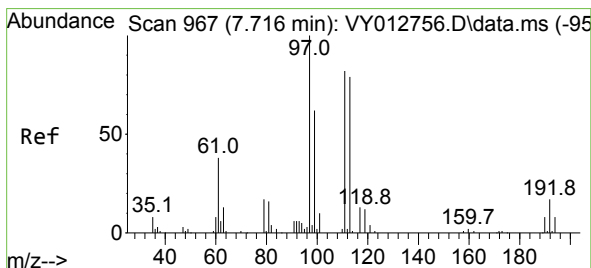
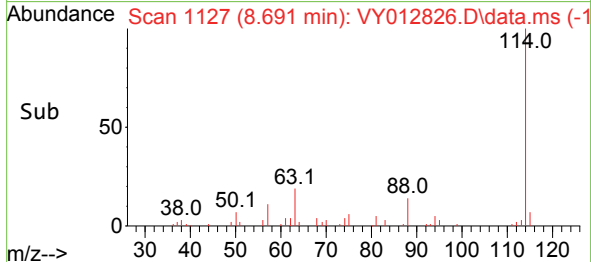
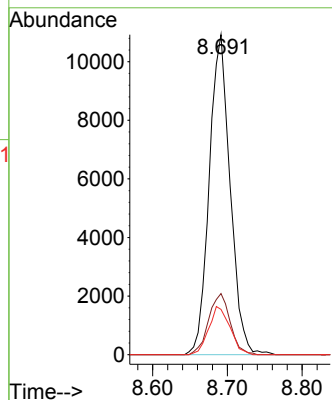
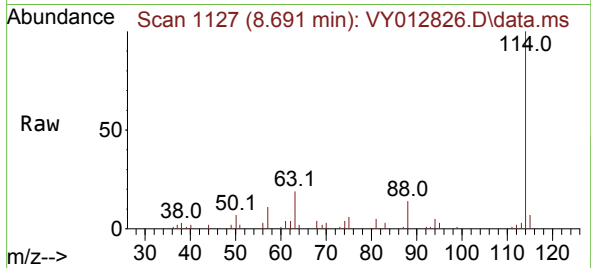




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012826.D
 Acq: 06 Mar 2023 16:13

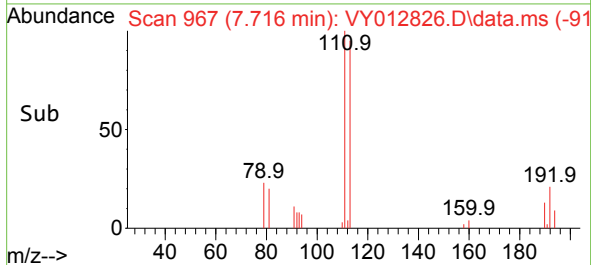
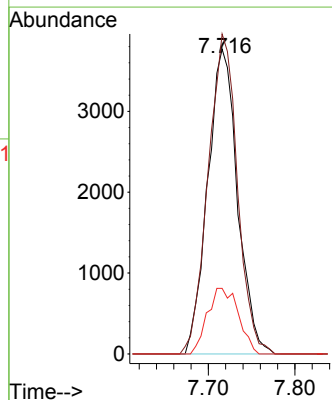
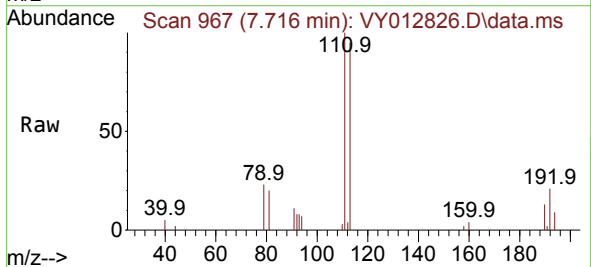
Instrument :
 MSVOA_Y
 ClientSampleId :
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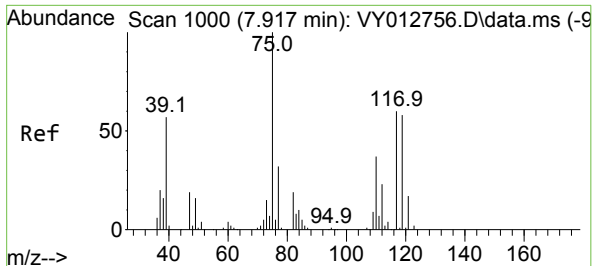
Tgt Ion:114	Resp:	21195
Ion Ratio	Lower	Upper
114	100	
63	19.1	0.0 37.4
88	14.1	0.0 28.6



#35
 Dibromofluoromethane
 Concen: 70.627 ug/l
 RT: 7.716 min Scan# 967
 Delta R.T. 0.000 min
 Lab File: VY012826.D
 Acq: 06 Mar 2023 16:13

Tgt Ion:113	Resp:	9034
Ion Ratio	Lower	Upper
113	100	
111	102.8	82.2 123.2
192	22.3	16.8 25.2

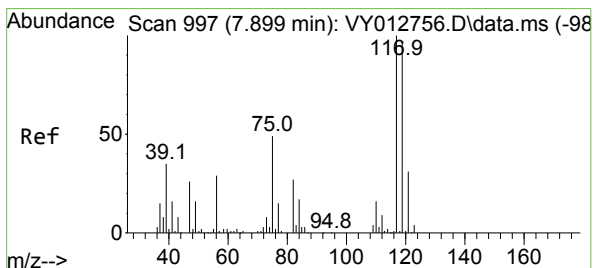
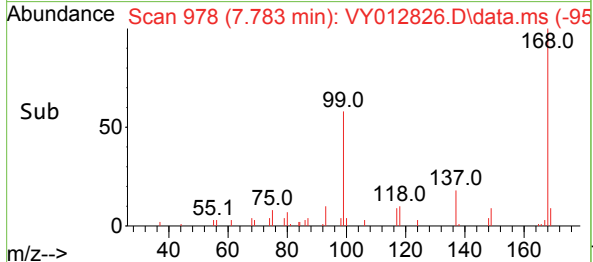
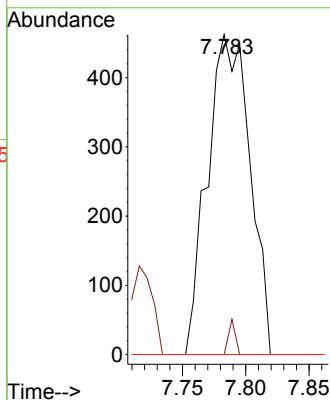
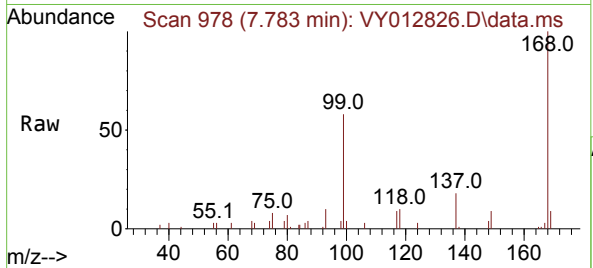




#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY012826.D
 Acq: 06 Mar 2023 16:13

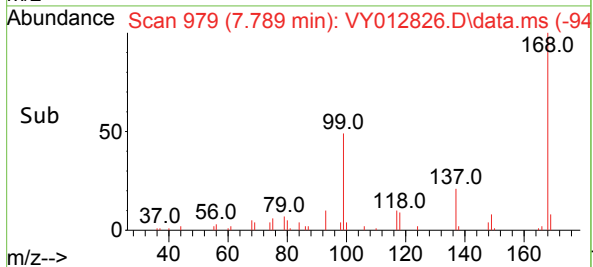
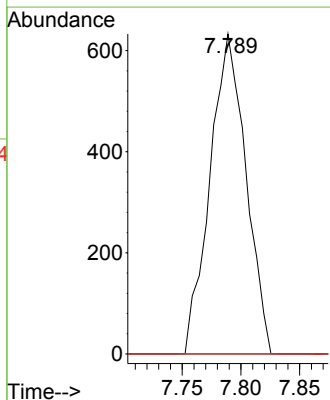
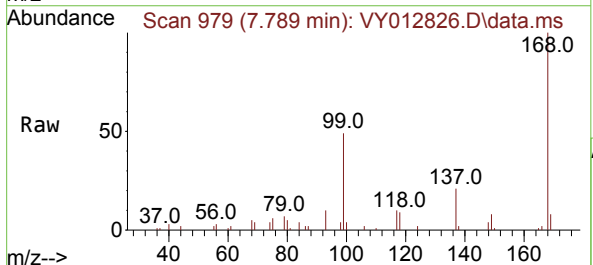
Instrument :
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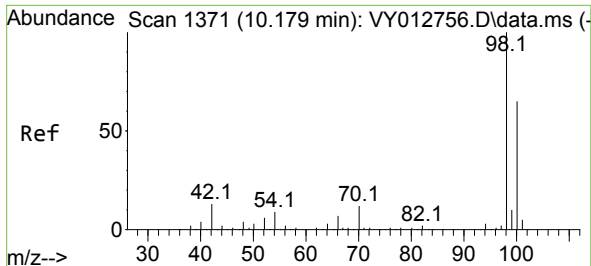
Tgt Ion: 75 Resp: 1080
 Ion Ratio Lower Upper
 75 100
 110 1.8 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.081 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY012826.D
 Acq: 06 Mar 2023 16:13

Tgt Ion: 117 Resp: 1346
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.2 115.8#
 121 0.0 24.7 37.1#

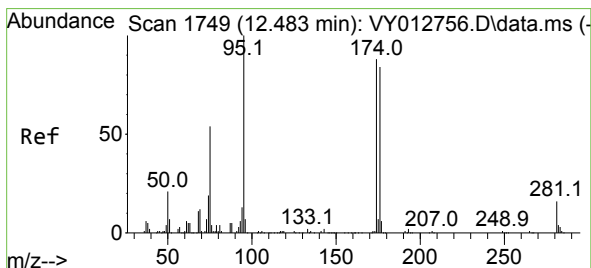
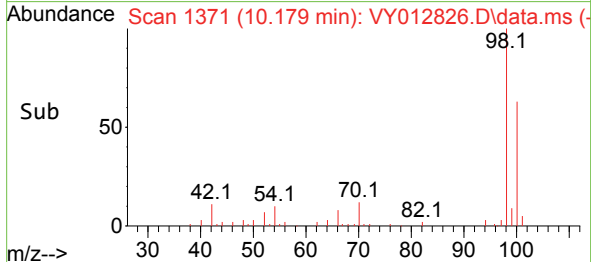
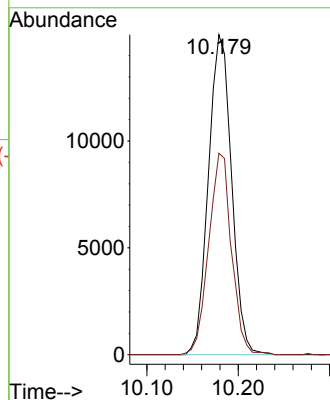
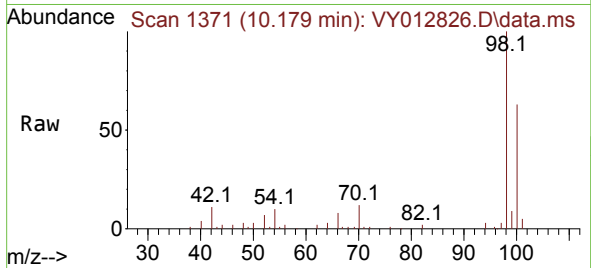




#50
Toluene-d8
Concen: 56.309 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

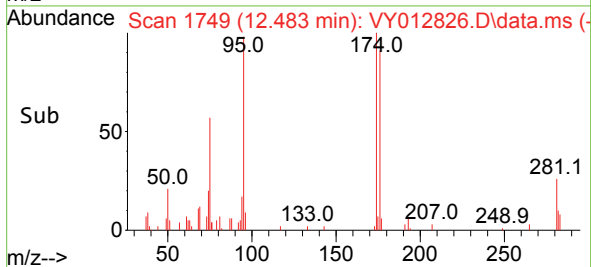
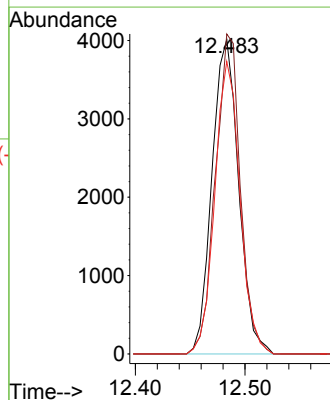
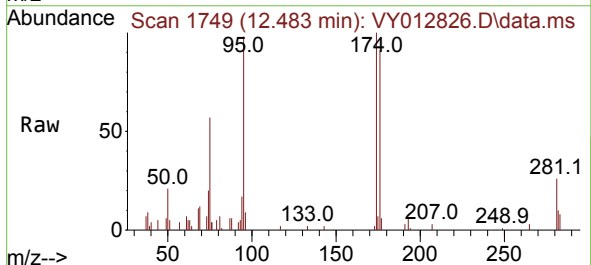
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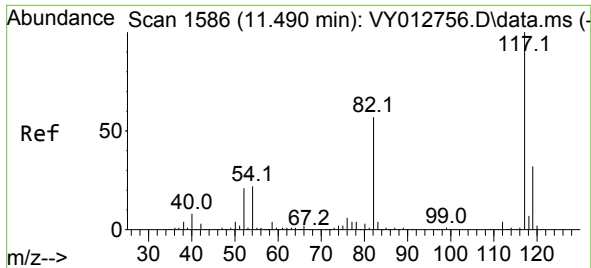
Tgt Ion: 98 Resp: 26331
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.001 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Tgt Ion: 95 Resp: 6787
Ion Ratio Lower Upper
95 100
174 95.2 0.0 176.6
176 88.0 0.0 170.2

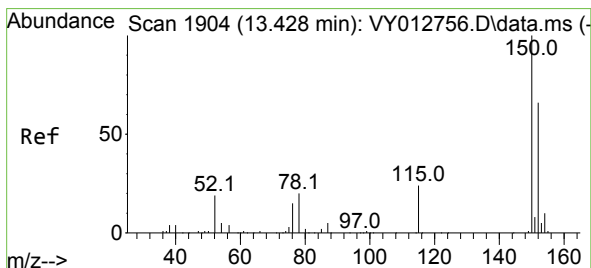
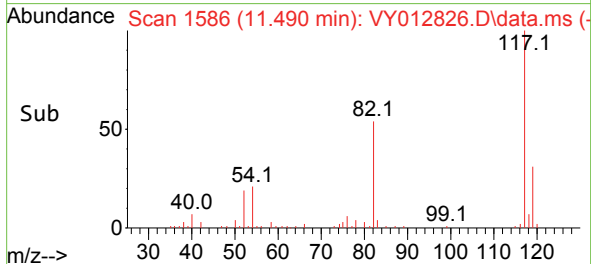
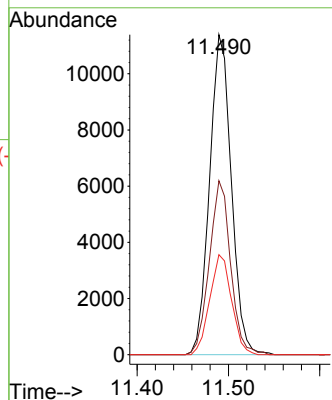
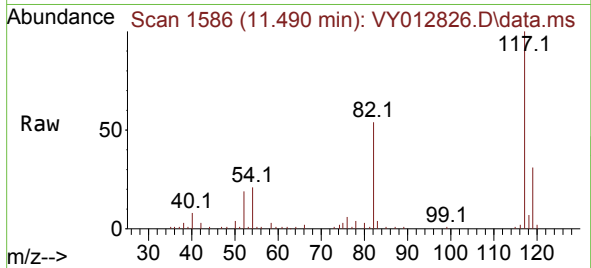




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

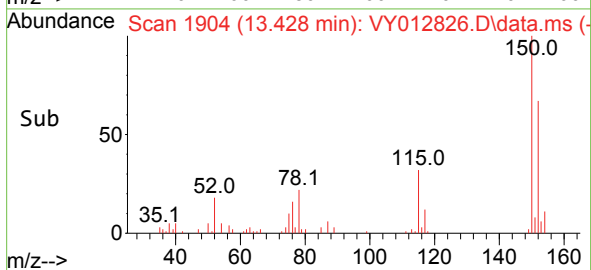
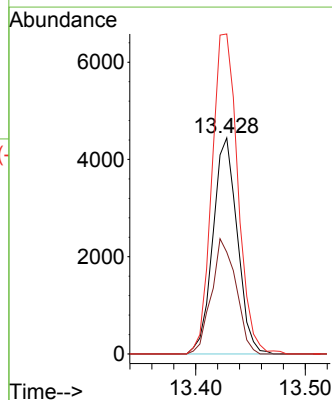
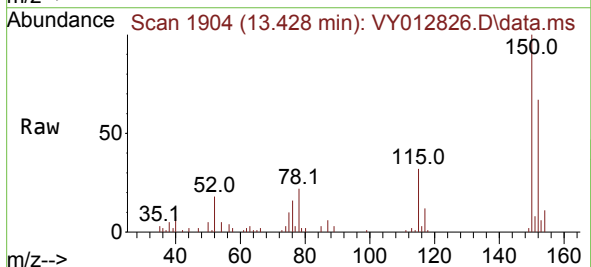
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

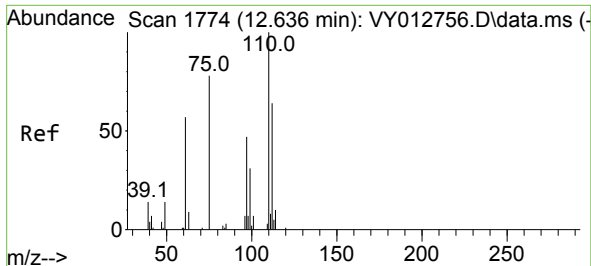
Tgt Ion:117 Resp: 18804
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.0
119 31.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Tgt Ion:152 Resp: 6866
Ion Ratio Lower Upper
152 100
115 53.5 27.1 81.3
150 157.6 0.0 347.8

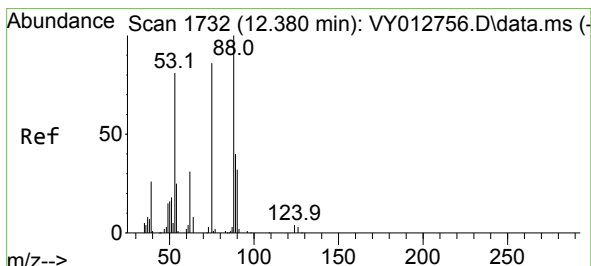
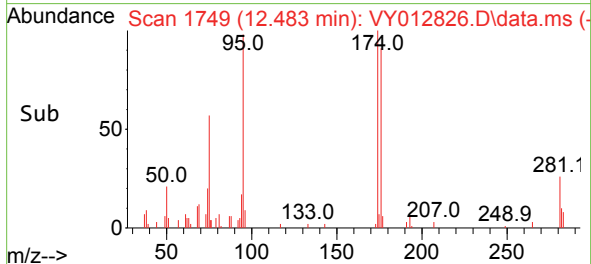
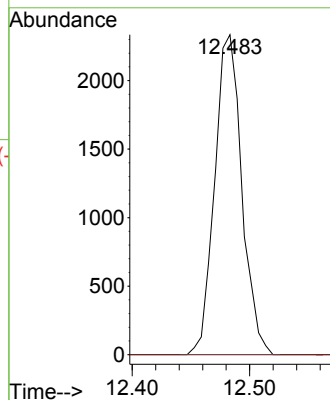
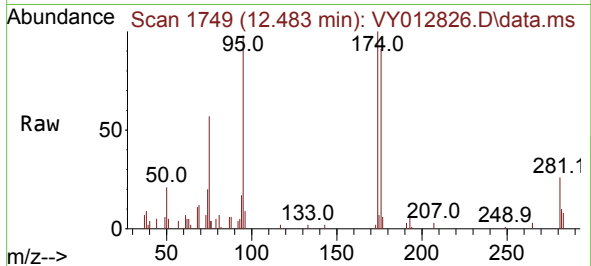




#76
1,2,3-Trichloropropane
Concen: 45.688 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

Tgt Ion: 75 Resp: 3746
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 94.667 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012826.D
Acq: 06 Mar 2023 16:13

Tgt Ion: 75 Resp: 3746
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

