

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016391.D
 Acq On : 16 Nov 2023 15:40
 Operator : SY/MD
 Sample : 05418-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 04:07:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

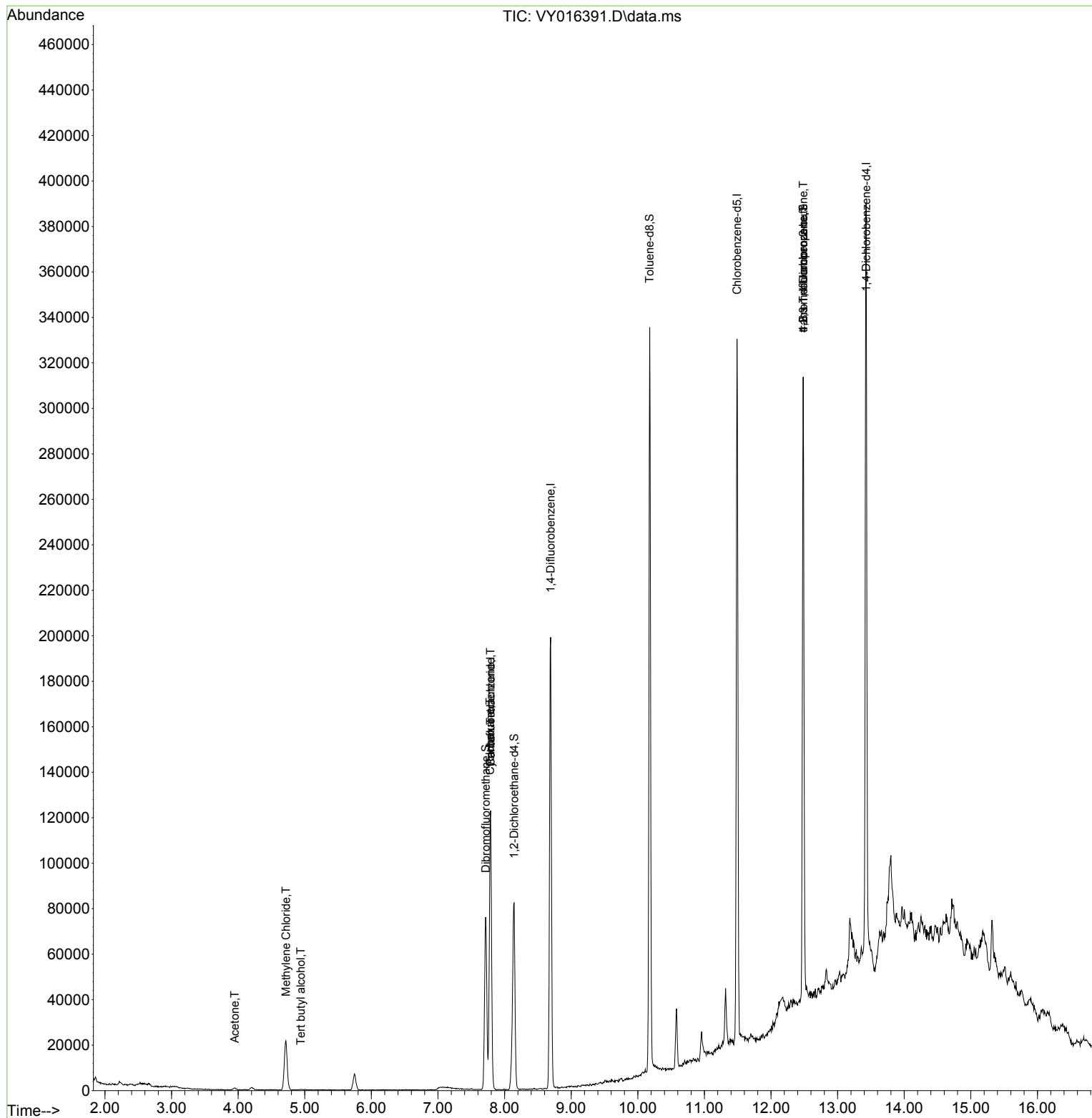
Internal Standards						
1) Pentafluorobenzene	7.789	168	98282	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	175440	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	175652	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	85228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60426	67.270	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.540%			
35) Dibromofluoromethane	7.716	113	53628	53.810	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.620%			
50) Toluene-d8	10.179	98	213928	52.933	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.483	95	80530	61.351	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 122.700%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	337	4.791	ug/l #	89
16) Acetone	3.948	43	1593	10.721	ug/l	95
20) Methylene Chloride	4.716	84	16933	13.598	ug/l	88
31) Cyclohexane	7.783	56	1795	1.015	ug/l #	1
38) Carbon Tetrachloride	7.789	117	9865	5.493	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	40729	49.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40729	108.130	ug/l #	11

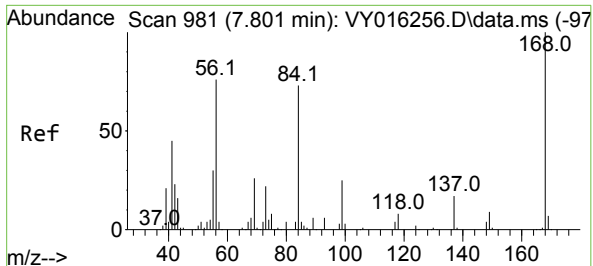
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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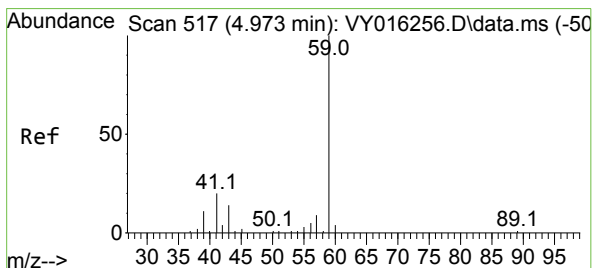
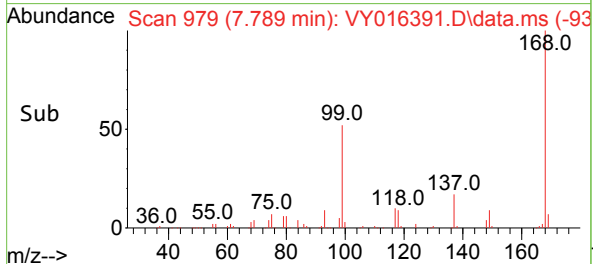
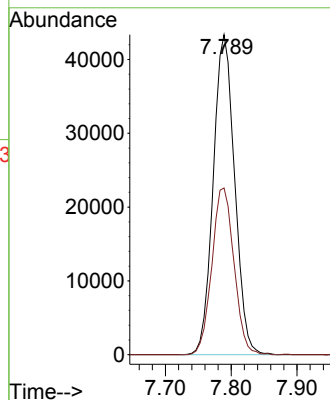
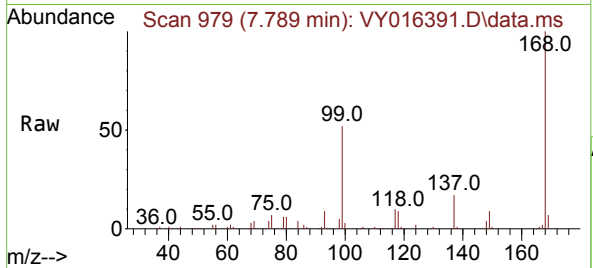




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

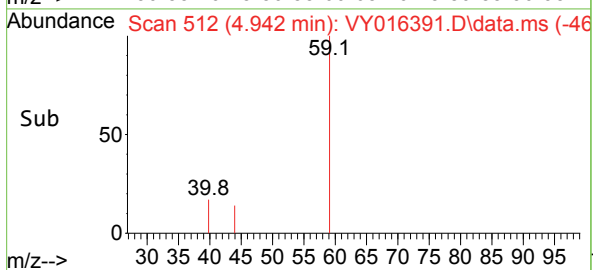
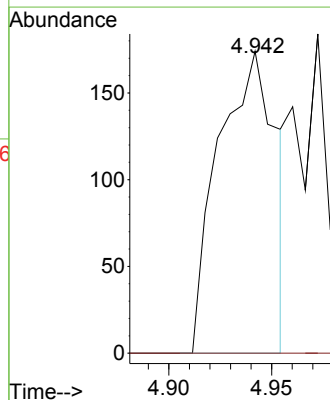
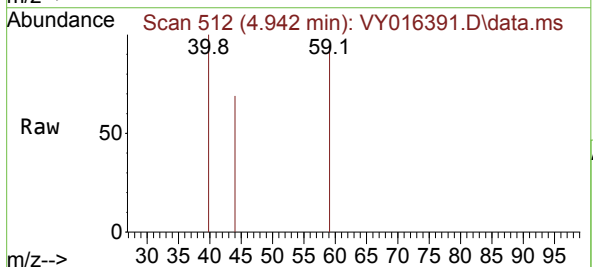
Instrument :
MSVOA_Y
ClientSampleId :

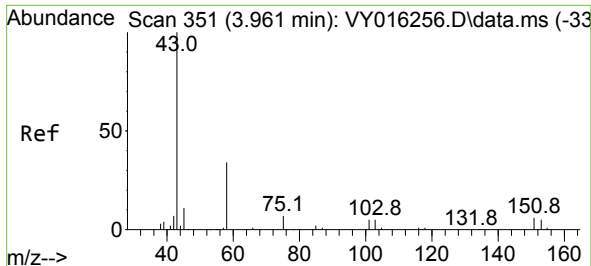
Tgt Ion:168 Resp: 98282
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.791 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.031 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

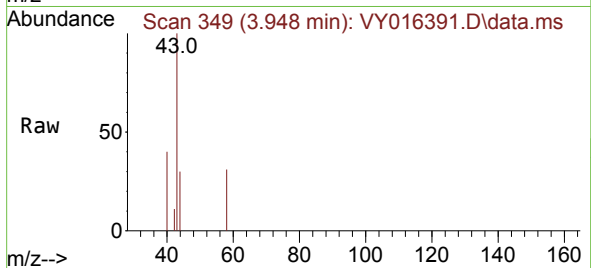
Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



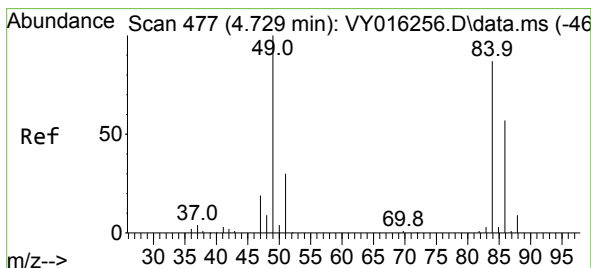
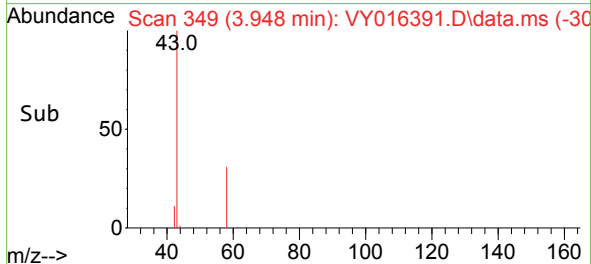
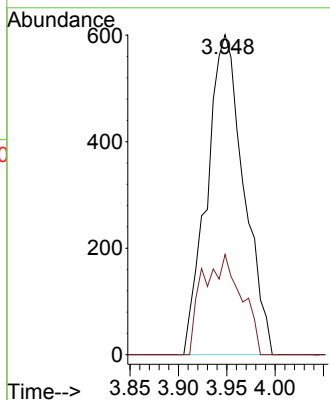


#16
Acetone
Concen: 10.721 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

Instrument :
MSVOA_Y
ClientSampleId :

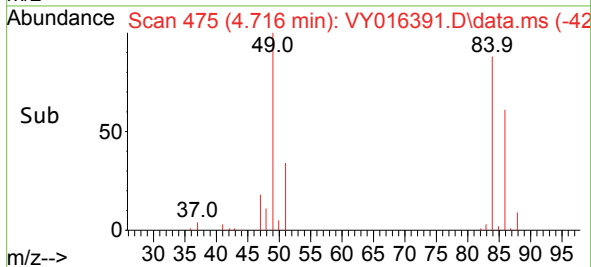
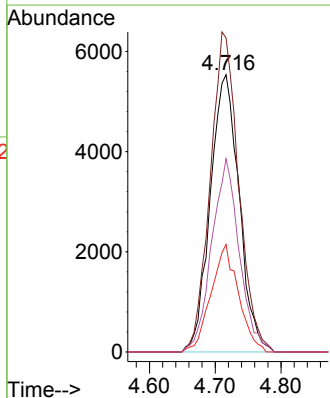
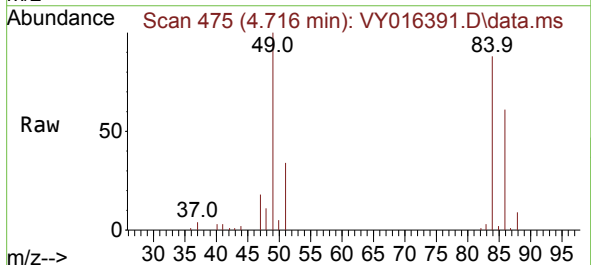


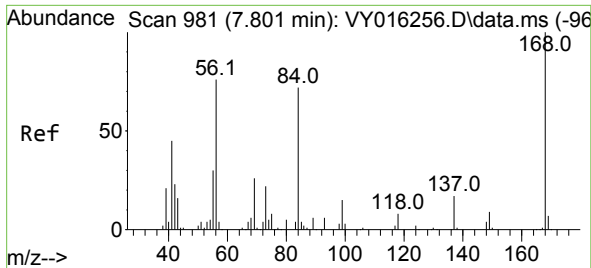
Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
58 31.3 22.7 34.1



#20
Methylene Chloride
Concen: 13.598 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

Tgt Ion: 84 Resp: 16933
Ion Ratio Lower Upper
84 100
49 113.3 106.9 160.3
51 38.8 33.2 49.8
86 69.6 51.0 76.6

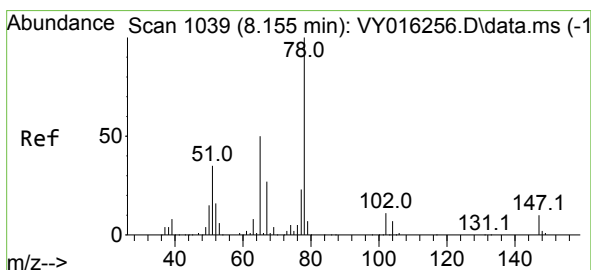
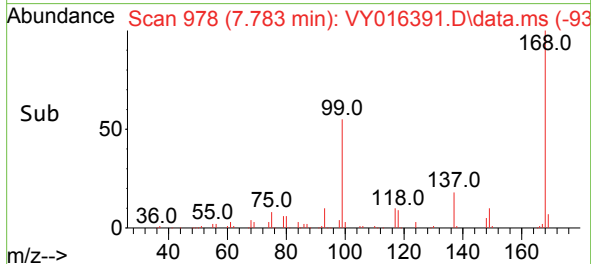
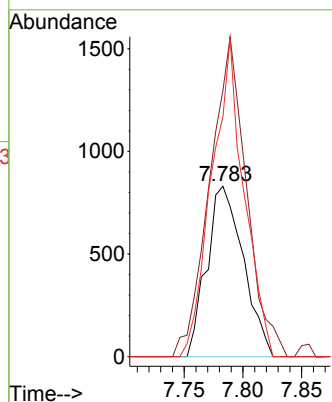
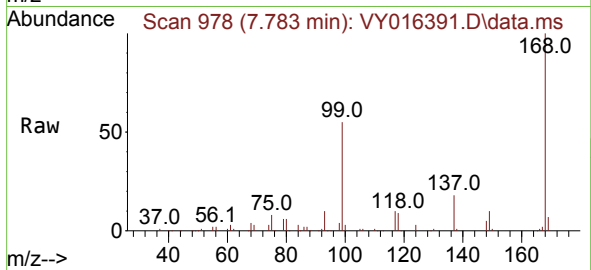




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

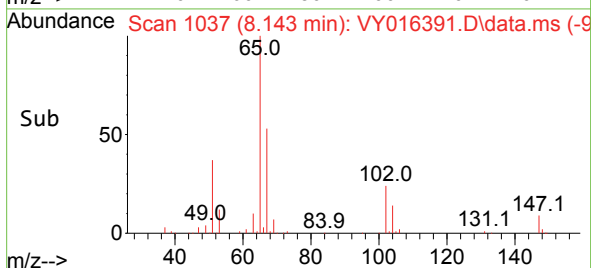
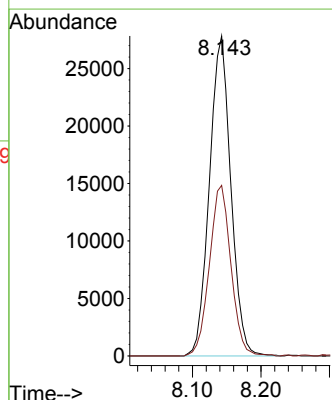
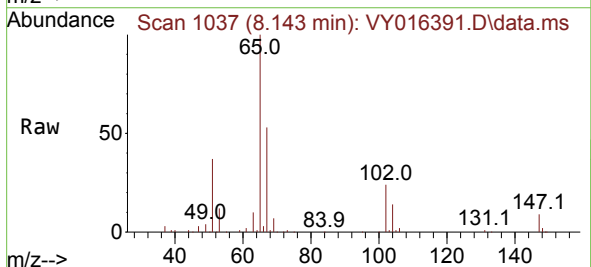
Instrument :
MSVOA_Y
ClientSampleId :

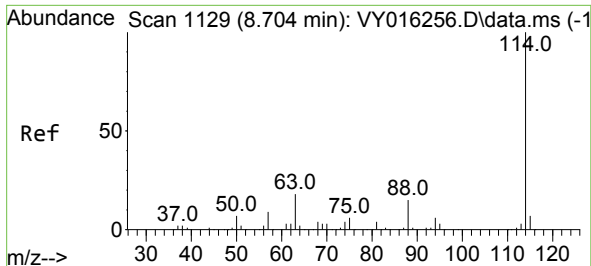
Tgt Ion: 56 Resp: 1795
Ion Ratio Lower Upper
56 100
69 147.3 27.8 41.6#
84 147.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.270 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.012 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

Tgt Ion: 65 Resp: 60426
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.8

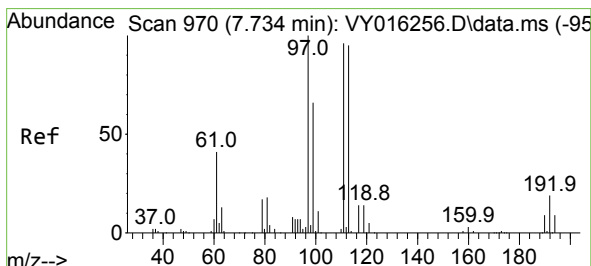
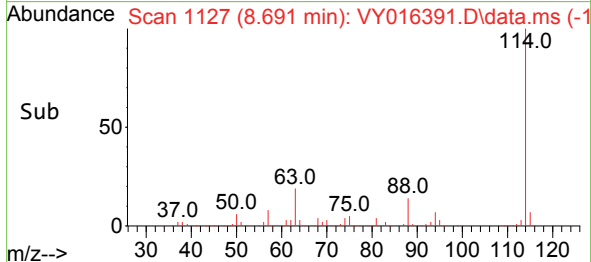
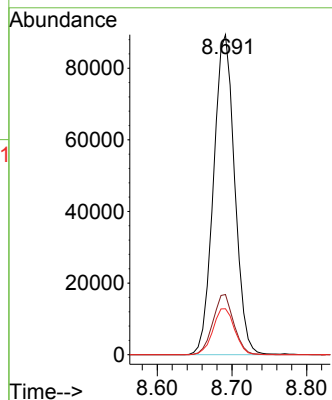
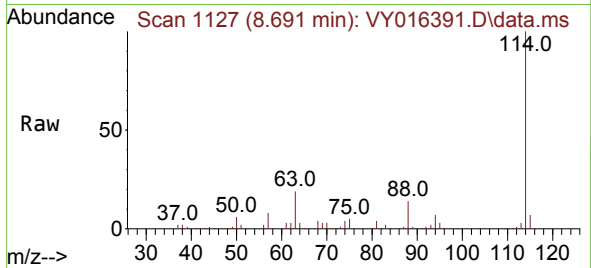




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.012 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

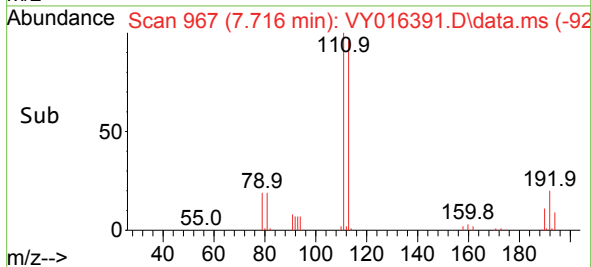
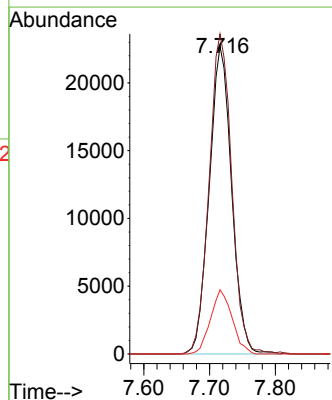
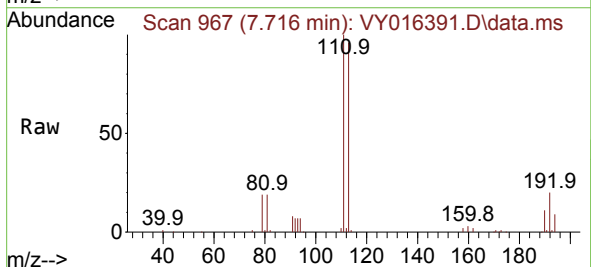
Instrument :
MSVOA_Y
ClientSampleId :

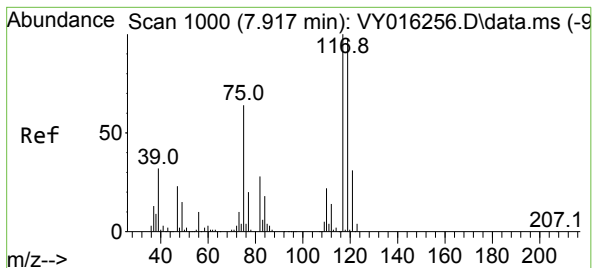
Tgt Ion:114 Resp: 175440
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.810 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.018 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

Tgt Ion:113 Resp: 53628
Ion Ratio Lower Upper
113 100
111 105.1 81.3 121.9
192 20.2 16.9 25.3





#38

Carbon Tetrachloride

Concen: 5.493 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

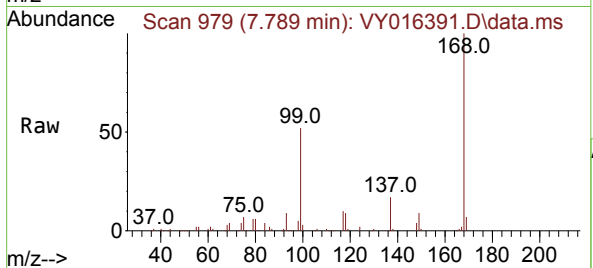
Lab File: VY016391.D

Acq: 16 Nov 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :



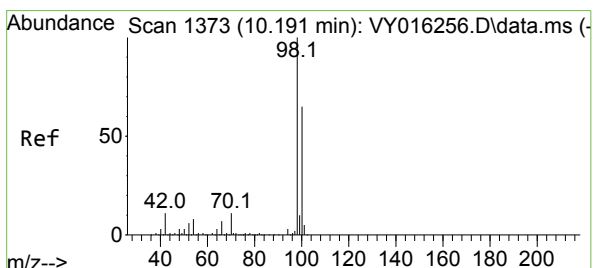
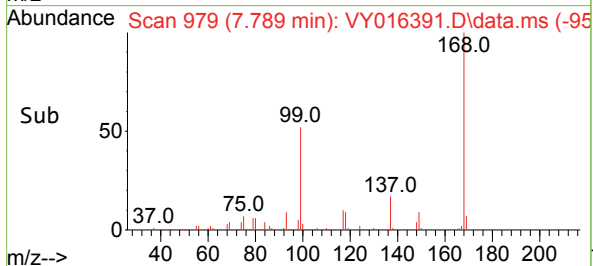
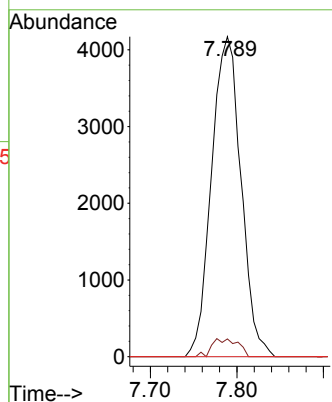
Tgt Ion:117 Resp: 9865

Ion Ratio Lower Upper

117 100

119 5.5 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 52.933 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.012 min

Lab File: VY016391.D

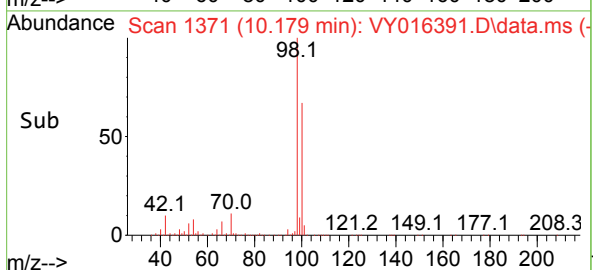
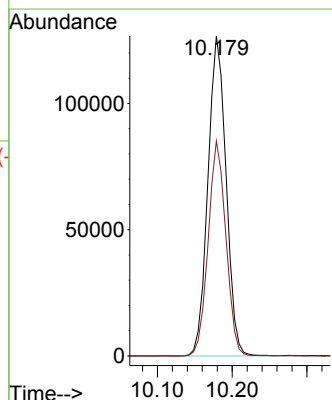
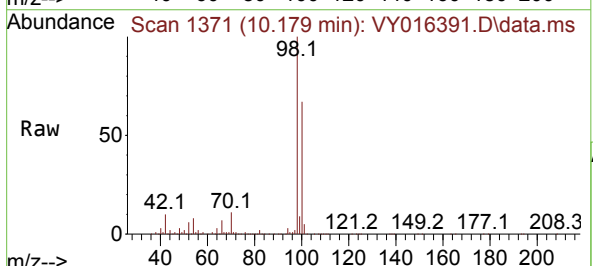
Acq: 16 Nov 2023 15:40

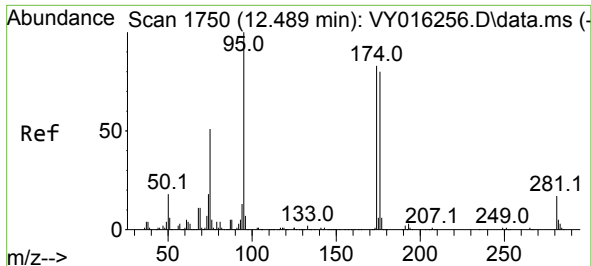
Tgt Ion: 98 Resp: 213928

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1

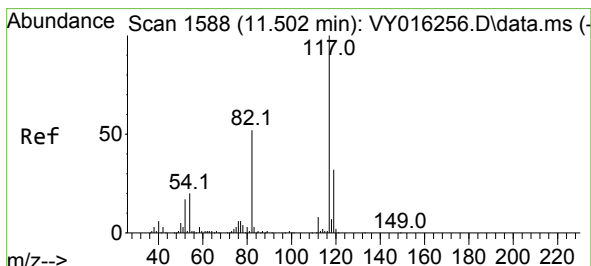
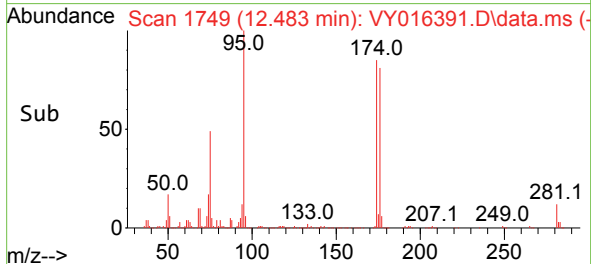
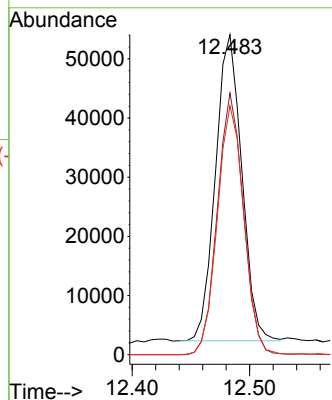
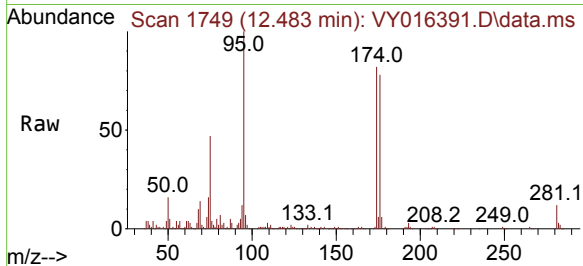




#62
4-Bromofluorobenzene
Concen: 61.351 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

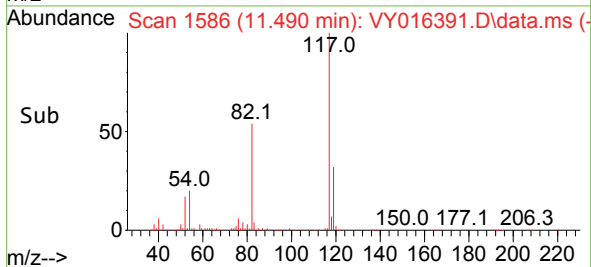
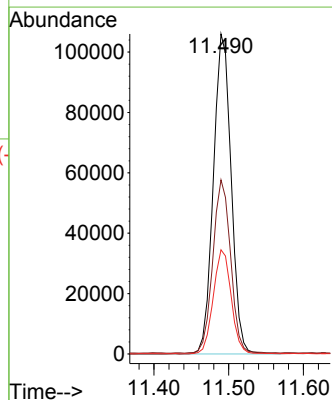
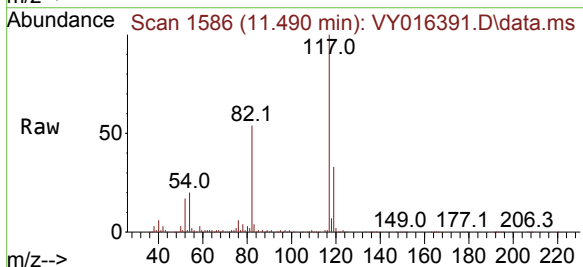
Instrument :
MSVOA_Y
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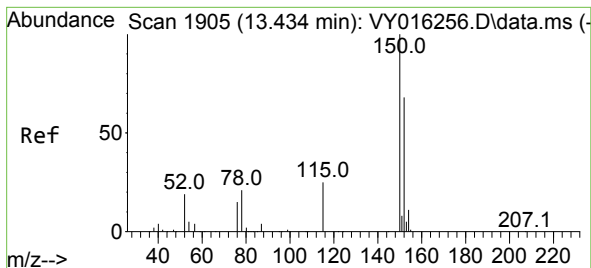
Tgt Ion: 95 Resp: 80530
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.012 min
Lab File: VY016391.D
Acq: 16 Nov 2023 15:40

Tgt Ion: 117 Resp: 175652
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016391.D

Acq: 16 Nov 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

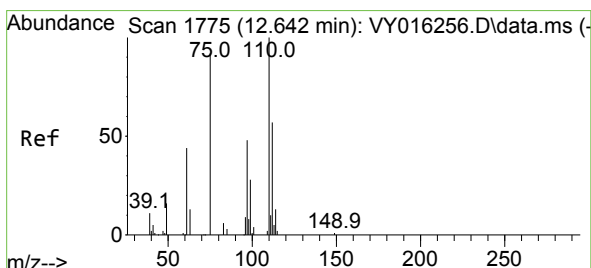
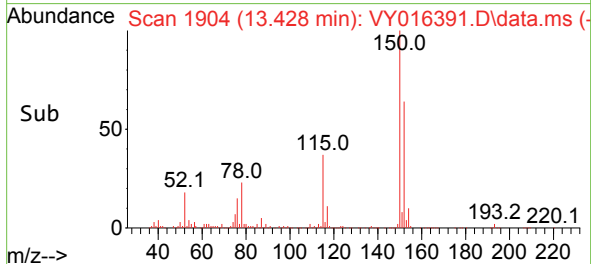
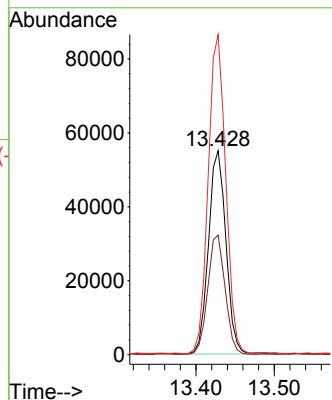
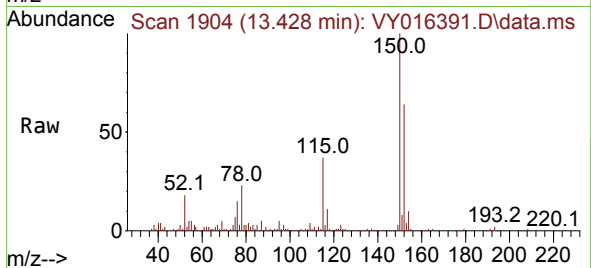
Tgt Ion:152 Resp: 85228

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 49.816 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.159 min

Lab File: VY016391.D

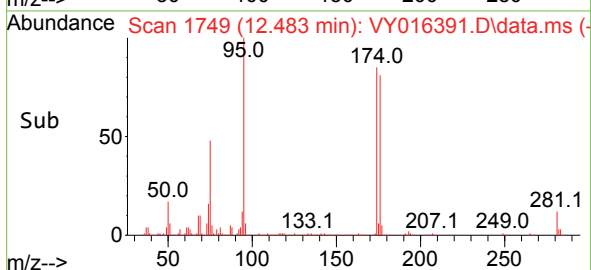
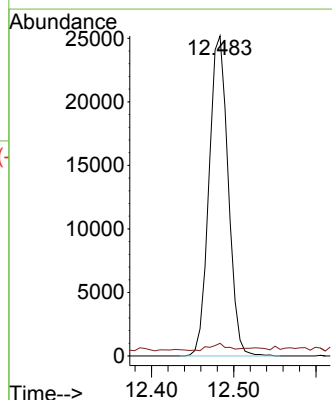
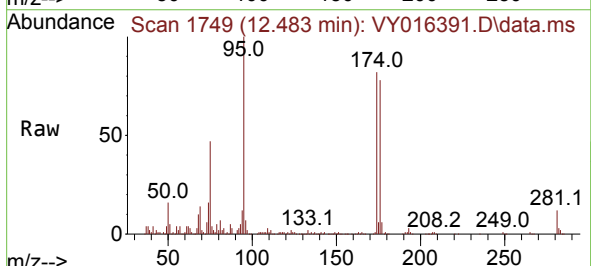
Acq: 16 Nov 2023 15:40

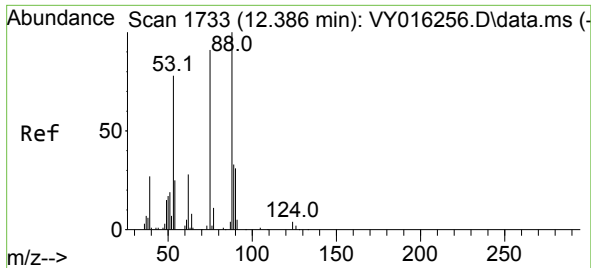
Tgt Ion: 75 Resp: 40729

Ion Ratio Lower Upper

75 100

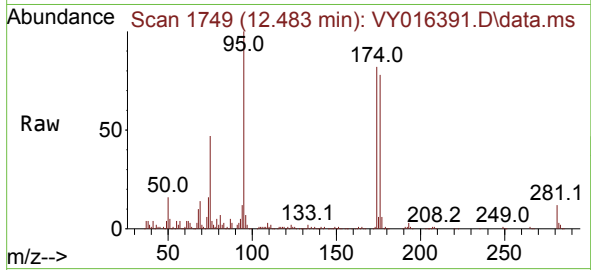
77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.130 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY016391.D
 Acq: 16 Nov 2023 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	77.8	116.8#
89	0.0	37.4	56.0#

