

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016368.D
 Acq On : 15 Nov 2023 15:57
 Operator : SY/MD
 Sample : 05412-07
 Misc : 3.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 00:05:42 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)

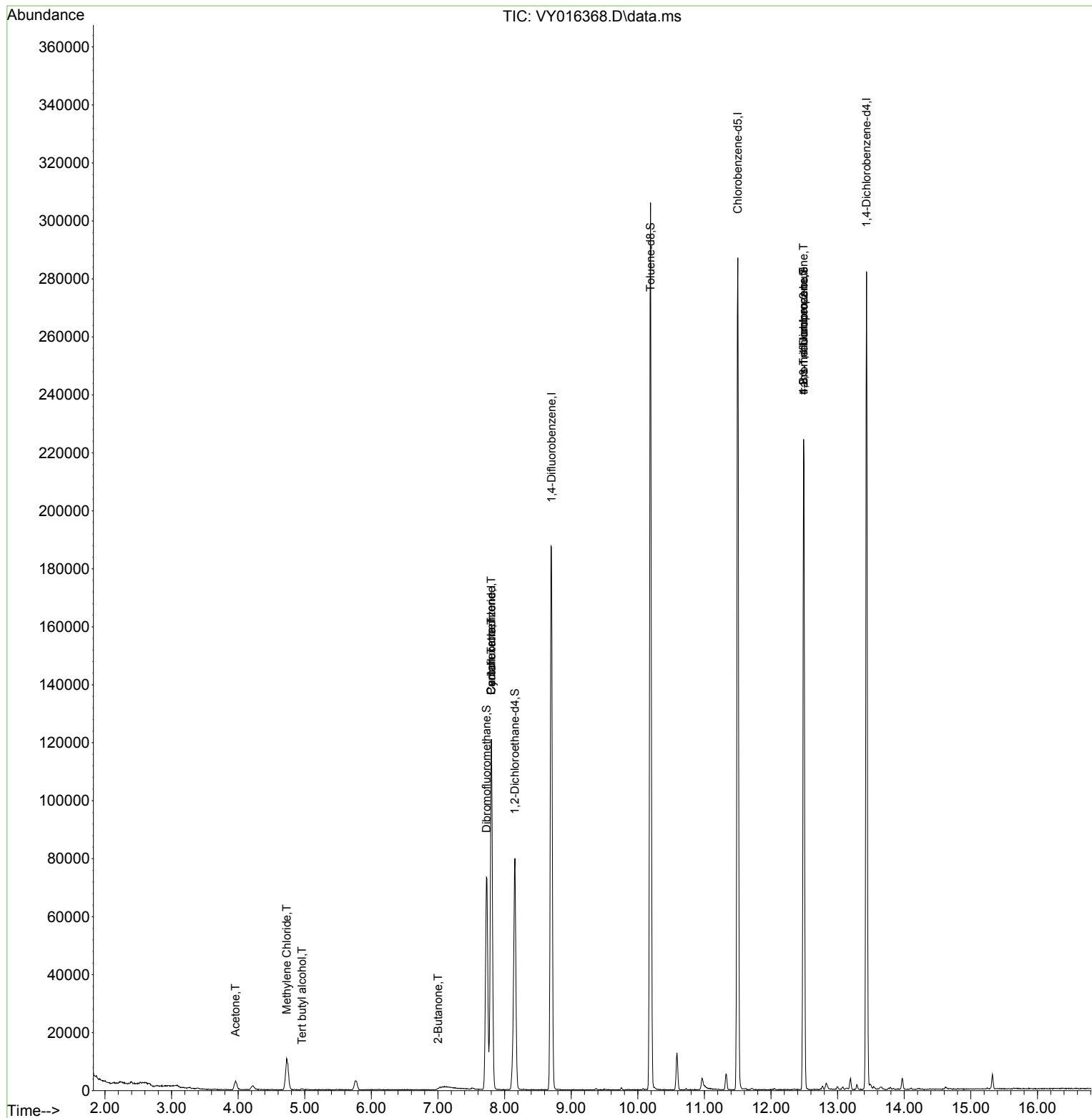
Internal Standards						
1) Pentafluorobenzene	7.801	168	94347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	169047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	163464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	72616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	59436	68.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.860%	
35) Dibromofluoromethane	7.728	113	53695	55.915	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.840%	
50) Toluene-d8	10.191	98	200425	51.468	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.940%	
62) 4-Bromofluorobenzene	12.489	95	67965	53.737	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	447	6.620	ug/l #	89
16) Acetone	3.960	43	5571	39.058	ug/l	95
20) Methylene Chloride	4.728	84	8490	5.315	ug/l #	82
25) 2-Butanone	7.002	43	387	1.549	ug/l #	49
31) Cyclohexane	7.801	56	1818	1.071	ug/l #	1
38) Carbon Tetrachloride	7.801	117	9300	5.374	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	35231	50.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	35231	109.779	ug/l #	10

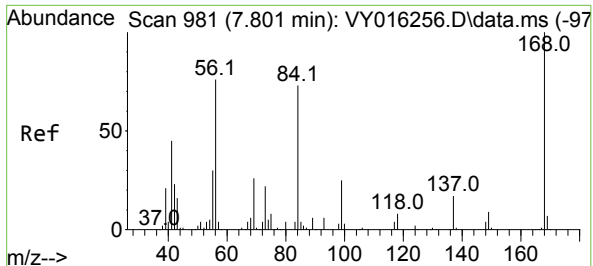
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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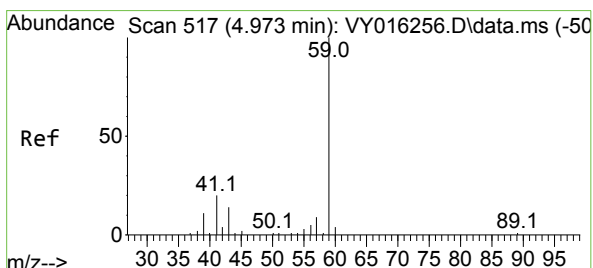
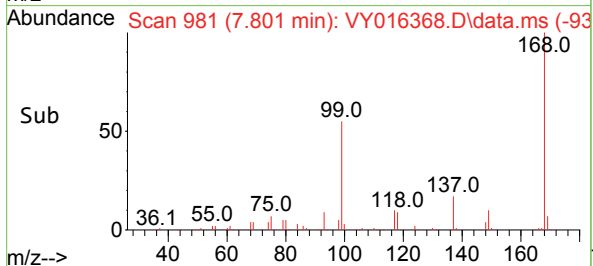
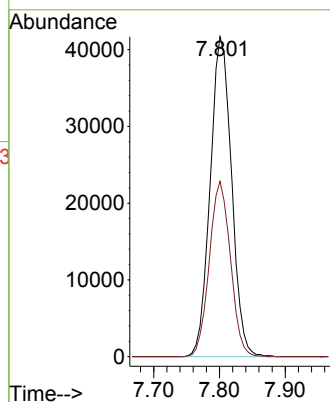
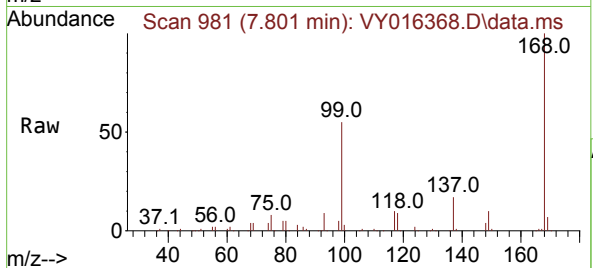




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

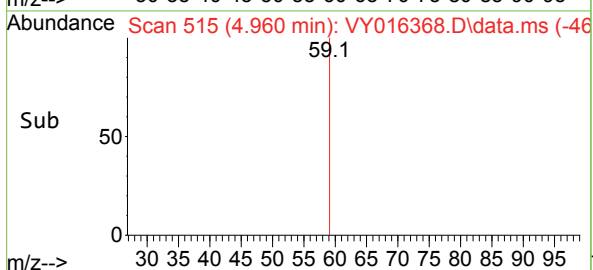
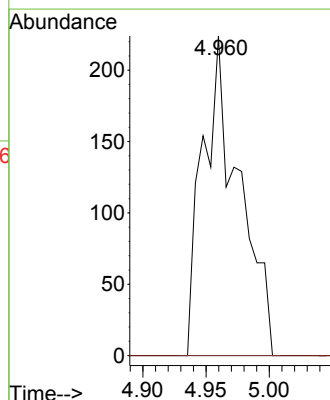
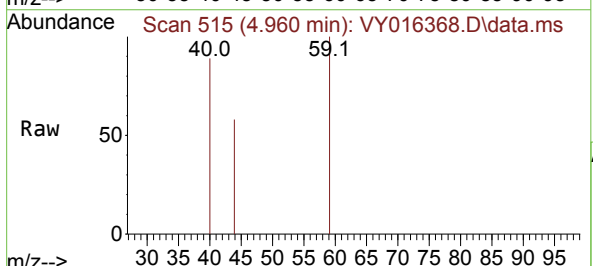
Instrument :
MSVOA_Y
ClientSampleId :

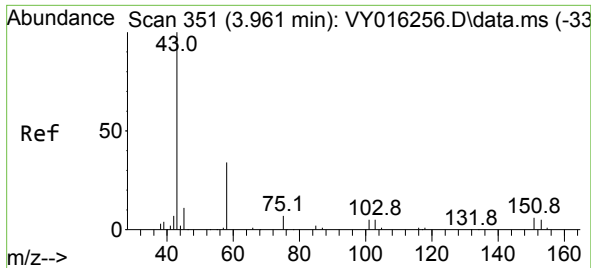
Tgt Ion:168 Resp: 94347
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#11
Tert butyl alcohol
Concen: 6.620 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.013 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

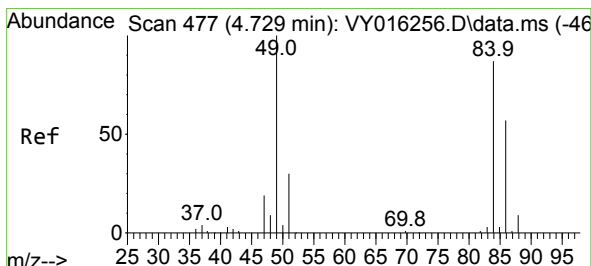
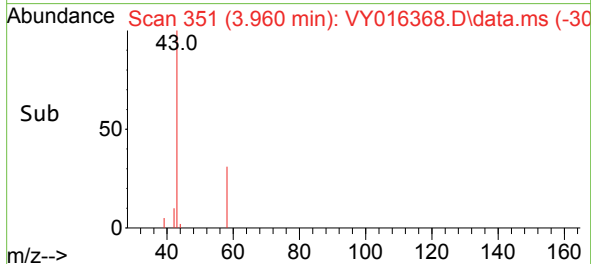
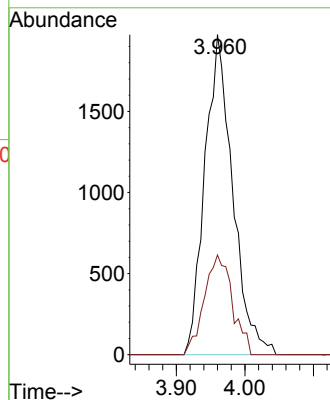
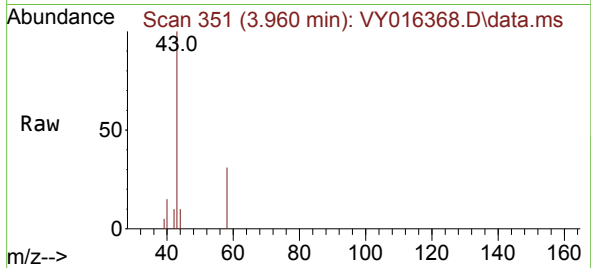




#16
Acetone
Concen: 39.058 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.001 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

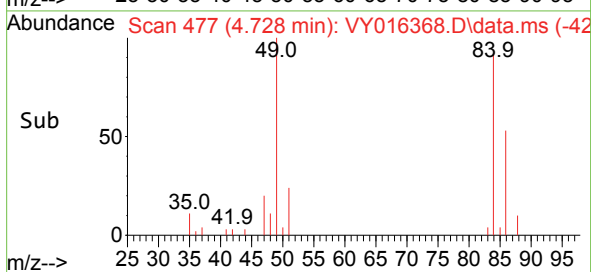
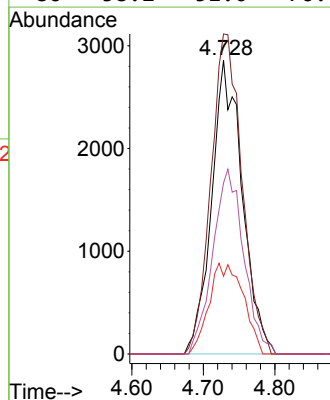
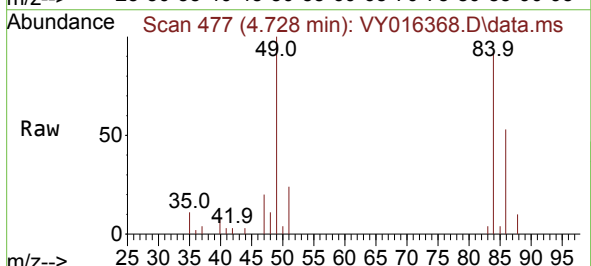
Instrument :
MSVOA_Y
ClientSampleId :

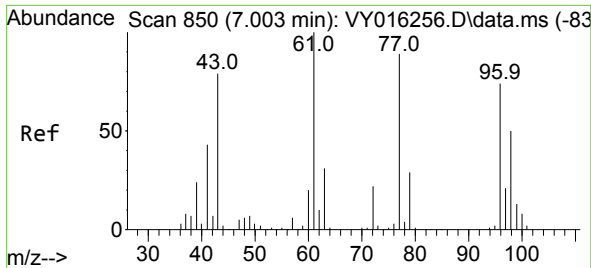
Tgt Ion: 43 Resp: 5571
Ion Ratio Lower Upper
43 100
58 31.2 22.7 34.1



#20
Methylene Chloride
Concen: 5.315 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Tgt Ion: 84 Resp: 8490
Ion Ratio Lower Upper
84 100
49 109.0 106.9 160.3
51 26.5 33.2 49.8#
86 58.2 51.0 76.6

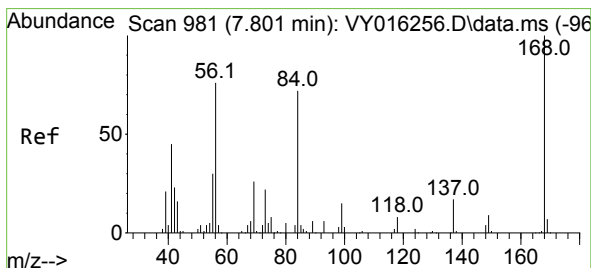
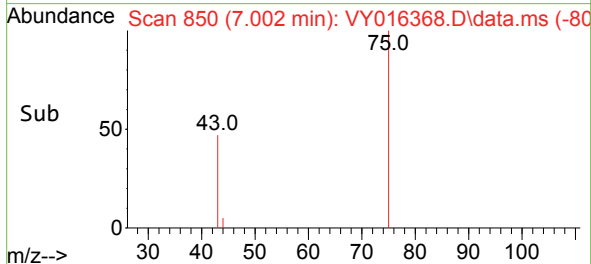
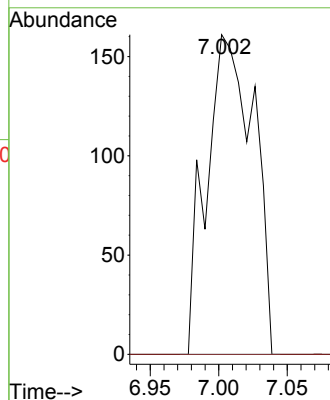
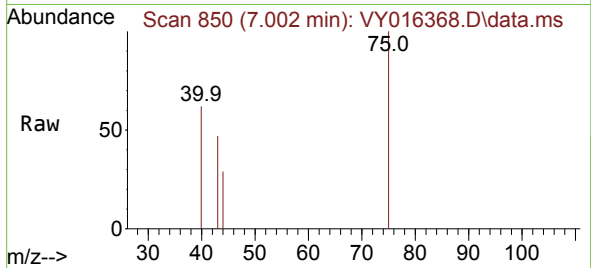




#25
2-Butanone
Concen: 1.549 ug/l
RT: 7.002 min Scan# 81
Delta R.T. -0.001 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

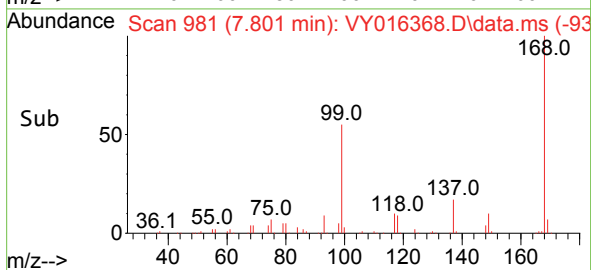
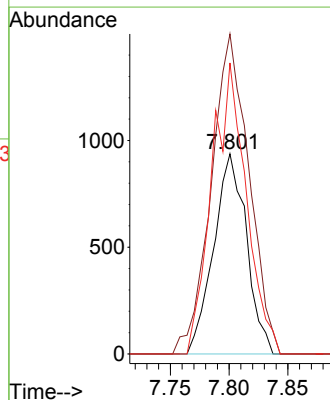
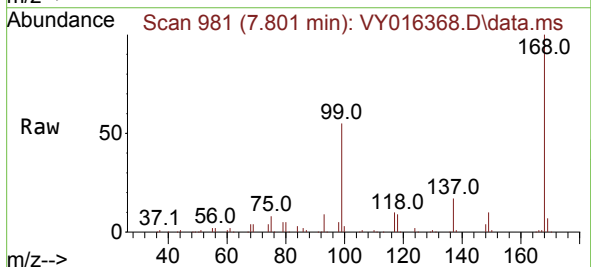
Instrument :
MSVOA_Y
ClientSampleId :

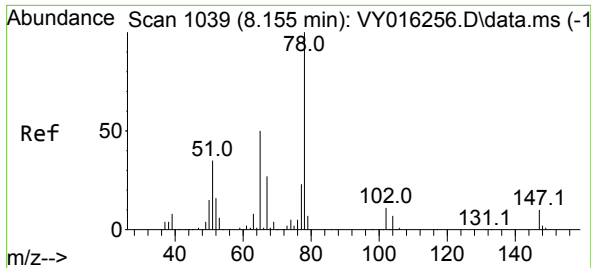
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.001 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Tgt Ion: 56 Resp: 1818
Ion Ratio Lower Upper
56 100
69 159.8 27.8 41.6#
84 145.3 66.4 99.6#

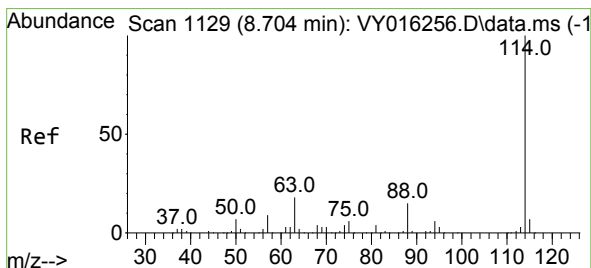
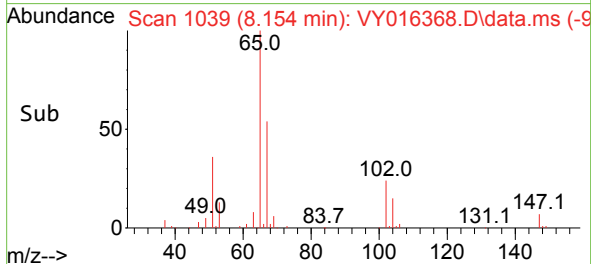
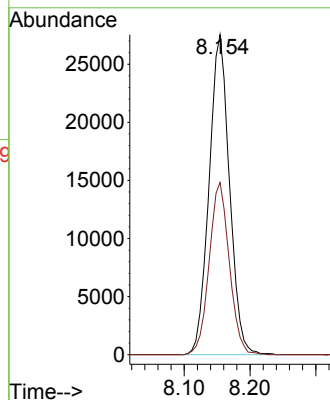
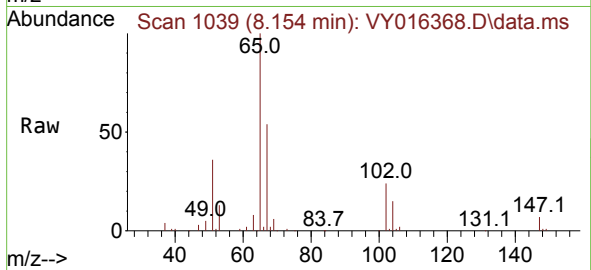




#33
 1,2-Dichloroethane-d4
 Concen: 68.928 ug/l
 RT: 8.154 min Scan# 1039
 Delta R.T. -0.001 min
 Lab File: VY016368.D
 Acq: 15 Nov 2023 15:57

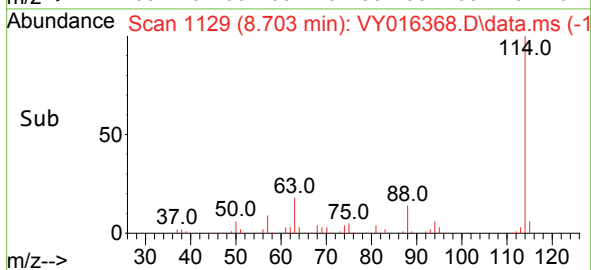
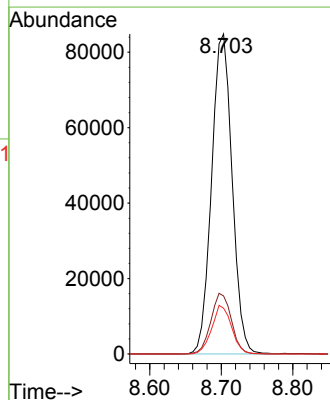
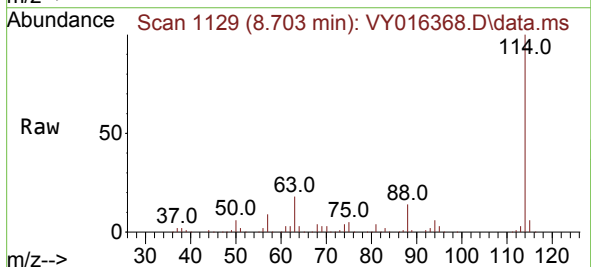
Instrument :
 MSVOA_Y
 ClientSampleId :

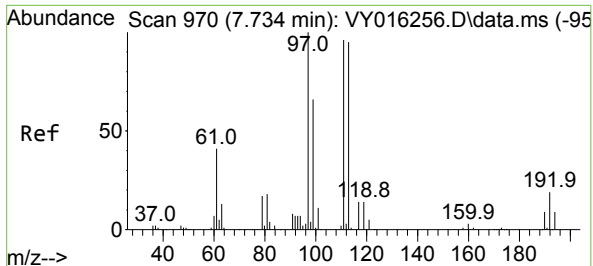
Tgt Ion: 65 Resp: 59436
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. -0.001 min
 Lab File: VY016368.D
 Acq: 15 Nov 2023 15:57

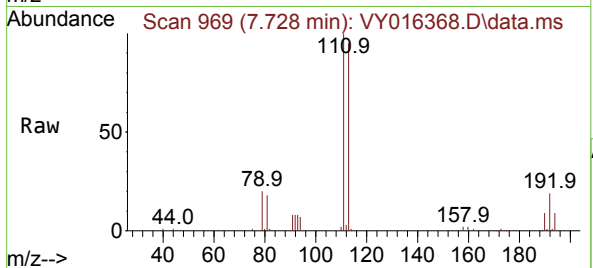
Tgt Ion:114 Resp: 169047
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 42.4
 88 14.3 0.0 30.6



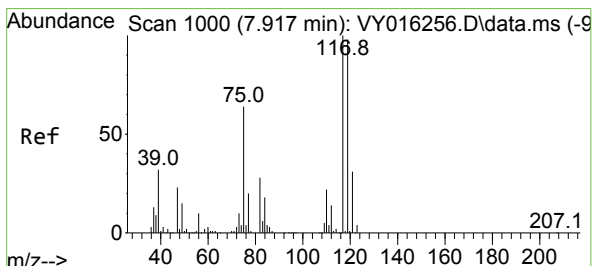
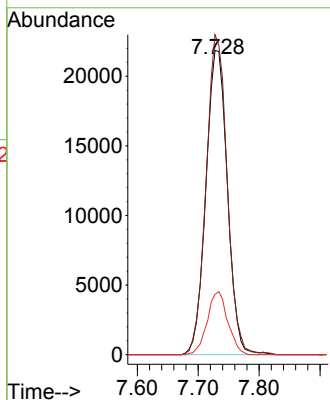
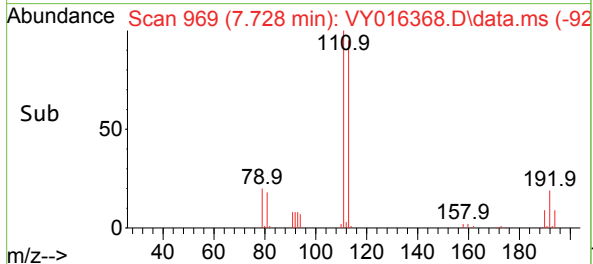


#35
Dibromofluoromethane
Concen: 55.915 ug/l
RT: 7.728 min Scan# 910
Delta R.T. -0.007 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Instrument :
MSVOA_Y
ClientSampleId :

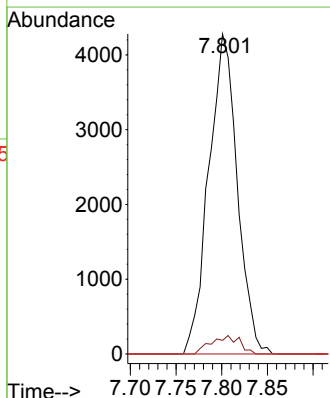
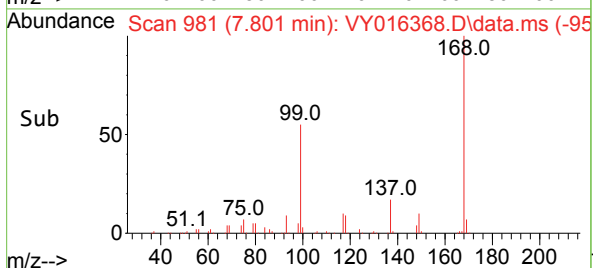
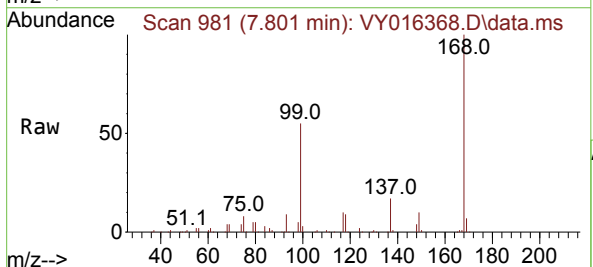


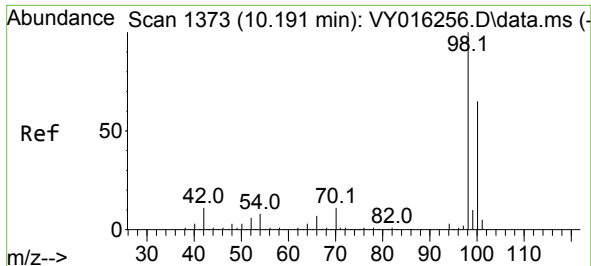
Tgt Ion:113 Resp: 53695
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 19.8 16.9 25.3



#38
Carbon Tetrachloride
Concen: 5.374 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Tgt Ion:117 Resp: 9300
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#

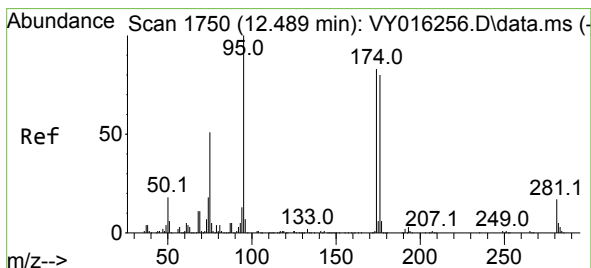
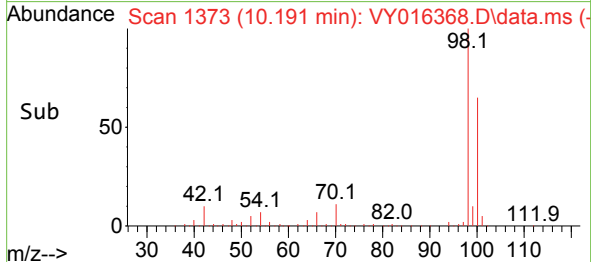
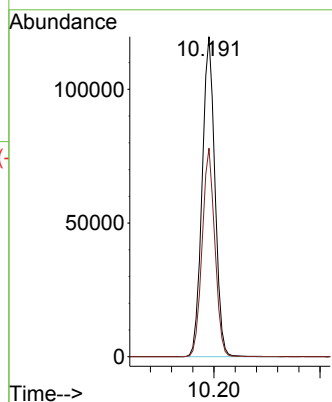
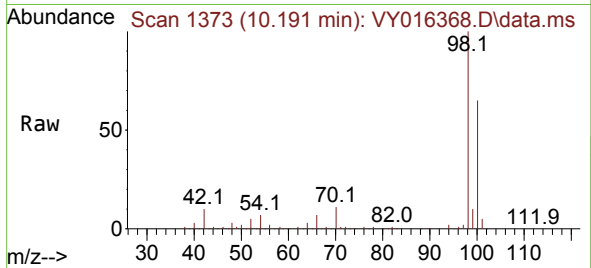




#50
Toluene-d8
Concen: 51.468 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

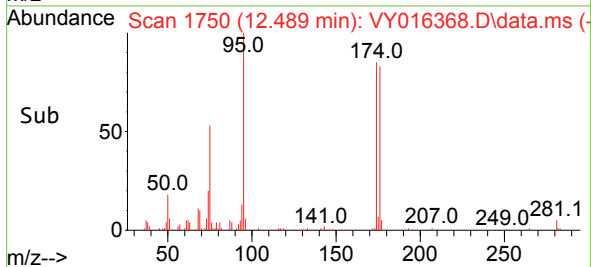
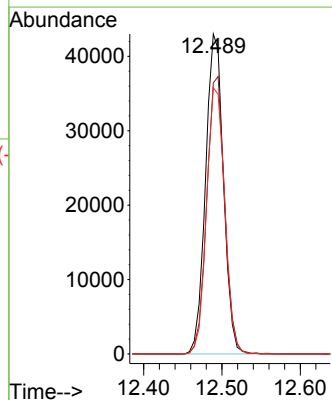
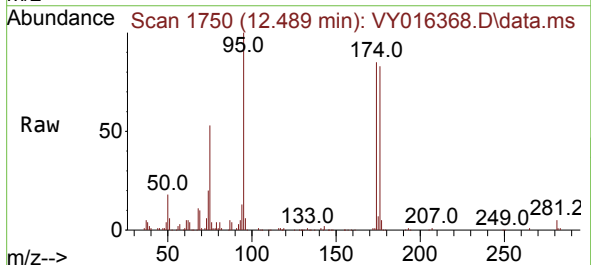
Instrument :
MSVOA_Y
ClientSampleId :

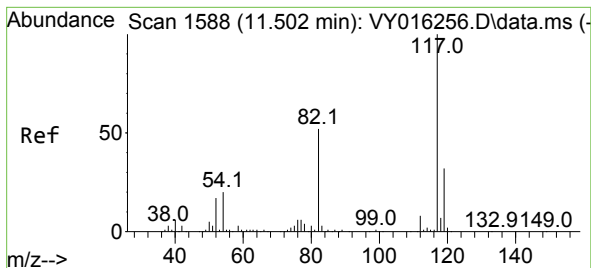
Tgt Ion: 98 Resp: 200425
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.737 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.001 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Tgt Ion: 95 Resp: 67965
Ion Ratio Lower Upper
95 100
174 87.0 0.0 178.2
176 84.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY016368.D

Acq: 15 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :

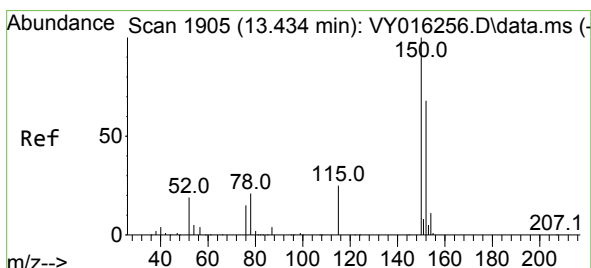
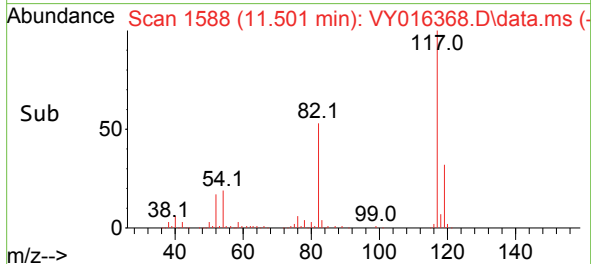
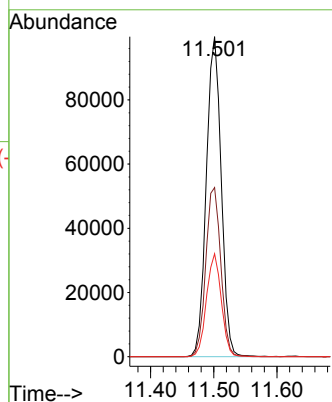
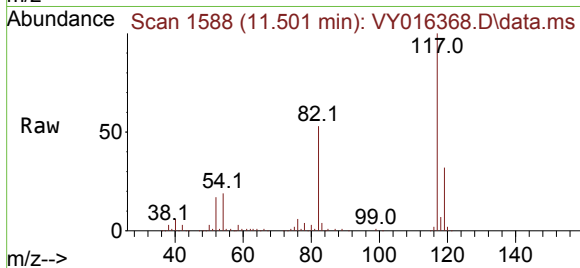
Tgt Ion:117 Resp: 163464

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.001 min

Lab File: VY016368.D

Acq: 15 Nov 2023 15:57

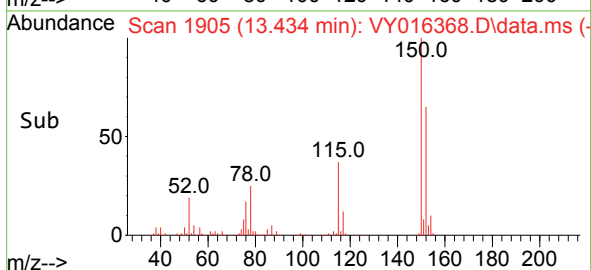
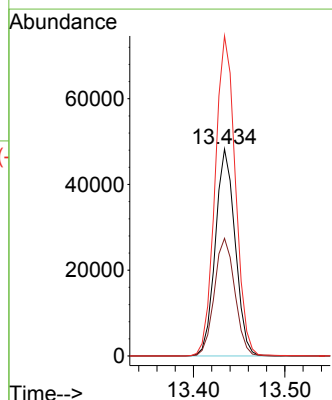
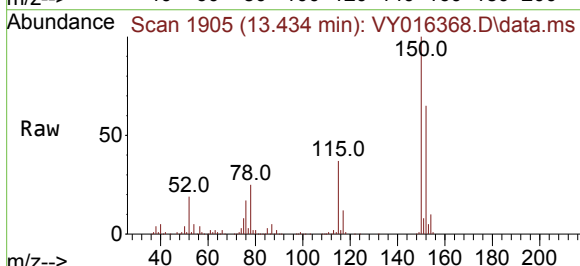
Tgt Ion:152 Resp: 72616

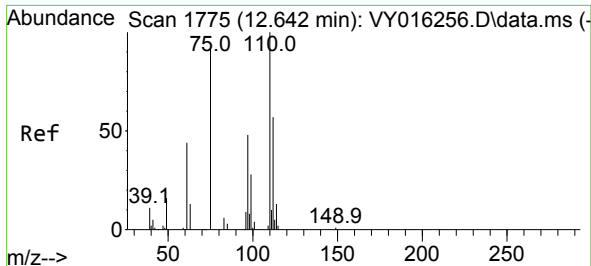
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.7 0.0 348.8

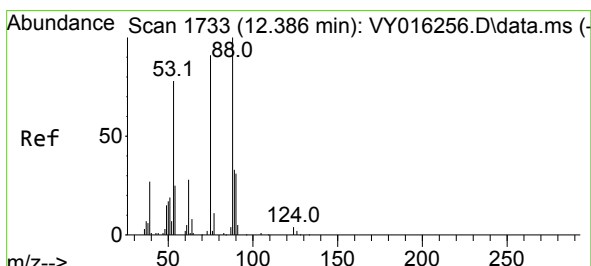
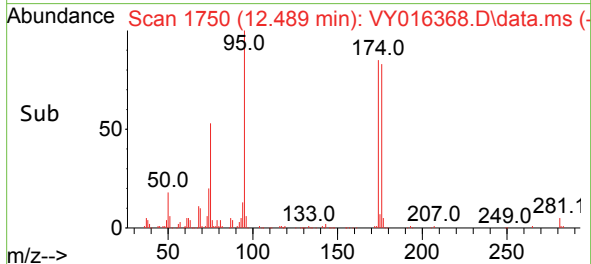
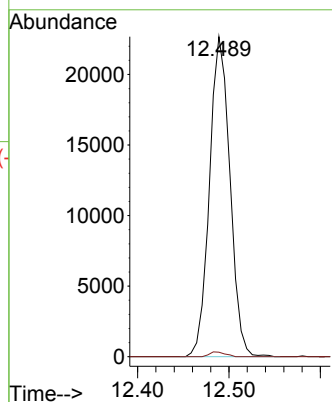
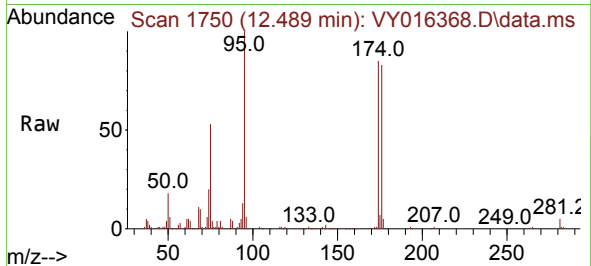




#76
1,2,3-Trichloropropane
Concen: 50.576 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 35231
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.779 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016368.D
Acq: 15 Nov 2023 15:57

Tgt Ion: 75 Resp: 35231
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

