

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017437.D
 Acq On : 21 Feb 2024 14:55
 Operator : SY/MD
 Sample : P1537-04
 Misc : 4.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 4

Quant Time: Feb 22 03:26:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

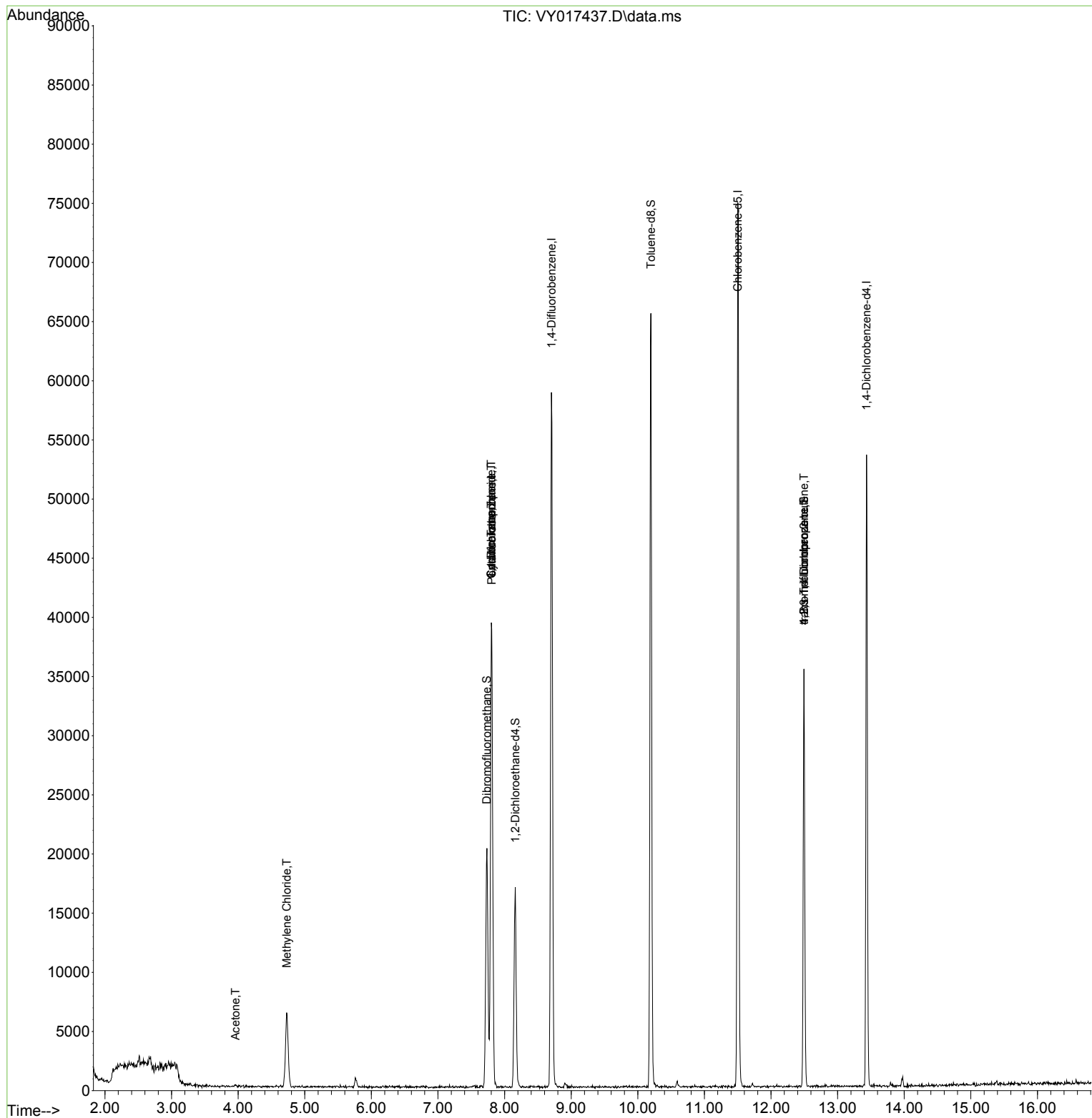
Internal Standards						
1) Pentafluorobenzene	7.807	168	32847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	54175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	45287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	14399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	13275	47.308	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.620%		
35) Dibromofluoromethane	7.734	113	14806	46.689	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.380%		
50) Toluene-d8	10.197	98	45661	37.126	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	74.260%		
62) 4-Bromofluorobenzene	12.495	95	10518	26.484	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	52.960%		
Target Compounds						
5) Bromomethane	2.686	94	261	Below Cal	#	75
16) Acetone	3.960	43	166	2.732	ug/l #	36
20) Methylene Chloride	4.729	84	4717	7.477	ug/l #	91
31) Cyclohexane	7.801	56	695	1.251	ug/l #	23
36) 1,1-Dichloropropene	7.801	75	2395	4.522	ug/l #	43
38) Carbon Tetrachloride	7.801	117	2992	5.674	ug/l #	19
76) 1,2,3-Trichloropropane	12.495	75	5363	38.414	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	5363	89.564	ug/l #	16

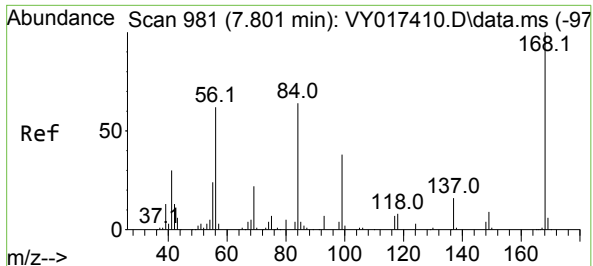
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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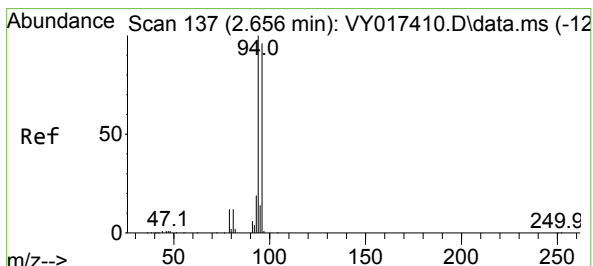
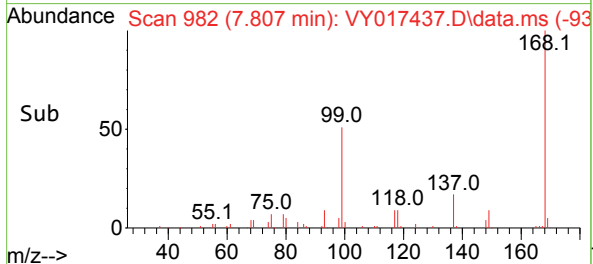
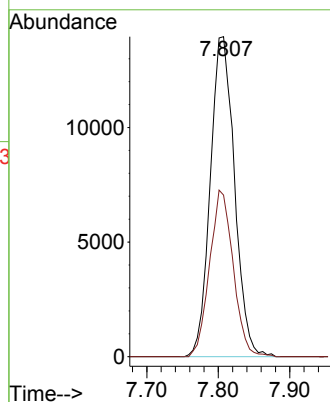
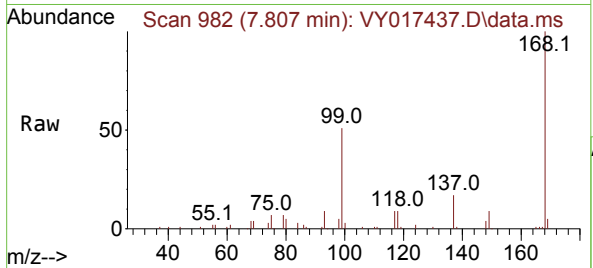




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

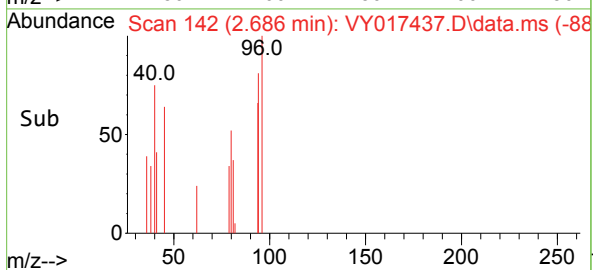
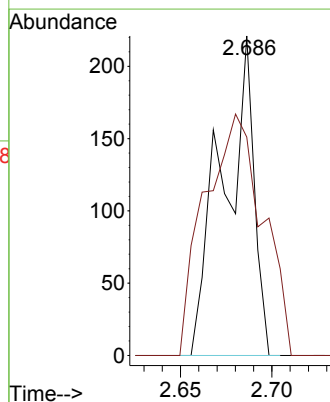
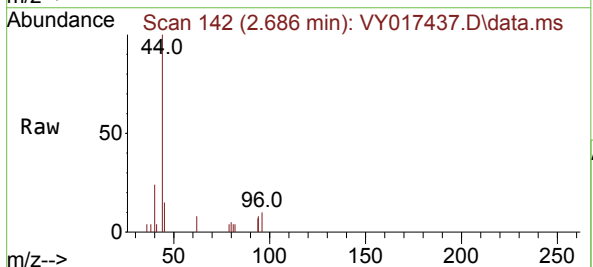
Instrument :
MSVOA_Y
ClientSampleId :
4

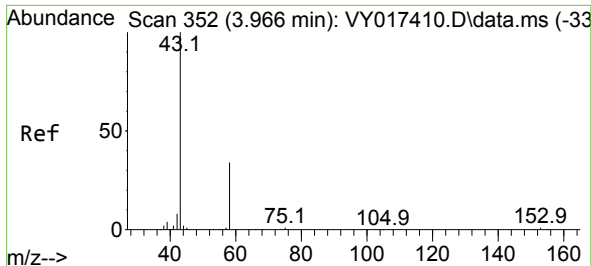
Tgt Ion:168 Resp: 32847
Ion Ratio Lower Upper
168 100
99 50.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.686 min Scan# 142
Delta R.T. 0.030 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

Tgt Ion: 94 Resp: 261
Ion Ratio Lower Upper
94 100
96 68.3 74.1 111.1#





#16

Acetone

Concen: 2.732 ug/l

RT: 3.960 min Scan# 352

Delta R.T. -0.006 min

Lab File: VY017437.D

Acq: 21 Feb 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

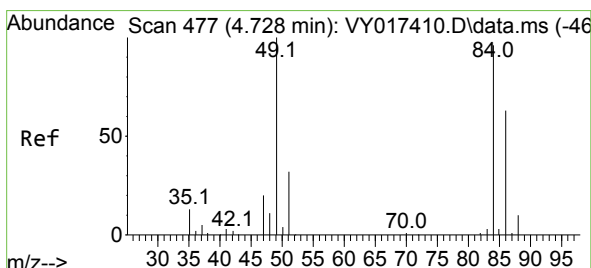
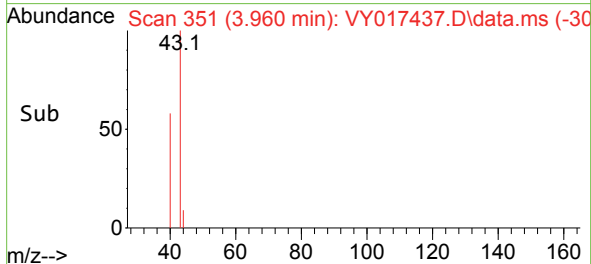
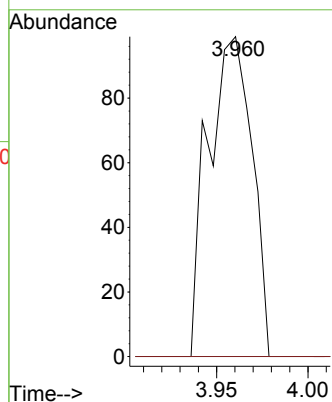
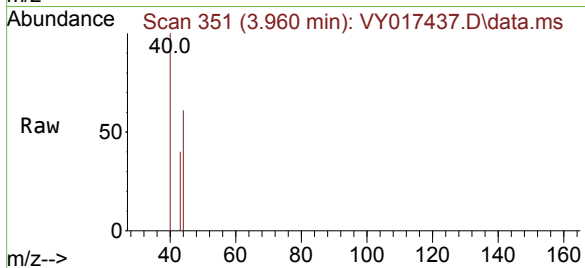
4

Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 7.477 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.001 min

Lab File: VY017437.D

Acq: 21 Feb 2024 14:55

Tgt Ion: 84 Resp: 4717

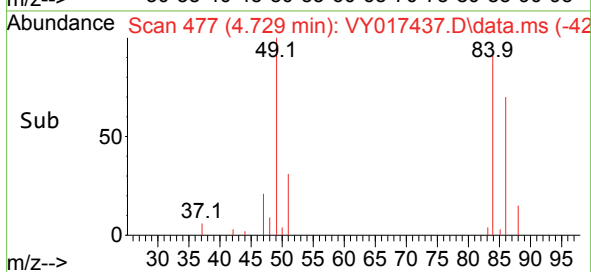
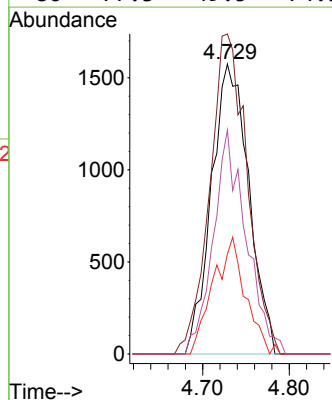
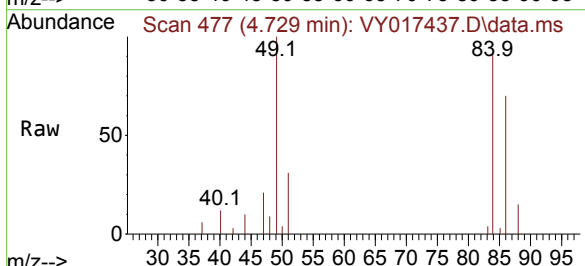
Ion Ratio Lower Upper

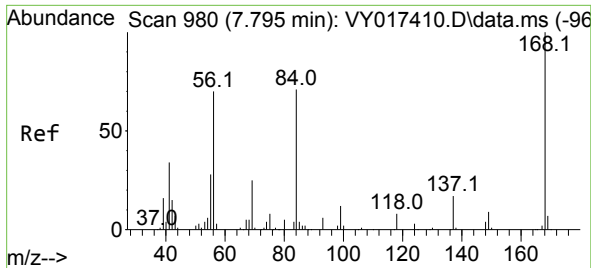
84 100

49 110.3 84.4 126.6

51 34.4 26.0 39.0

86 77.3 49.5 74.3#

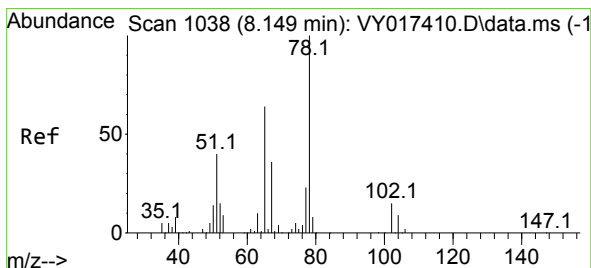
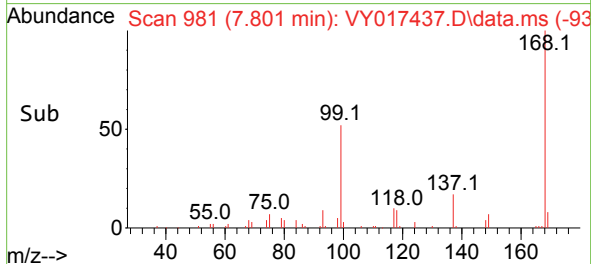
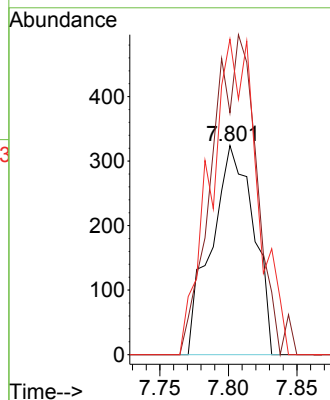
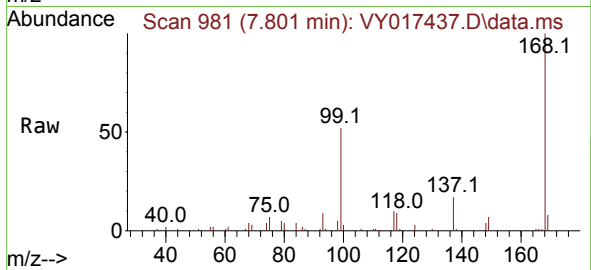




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

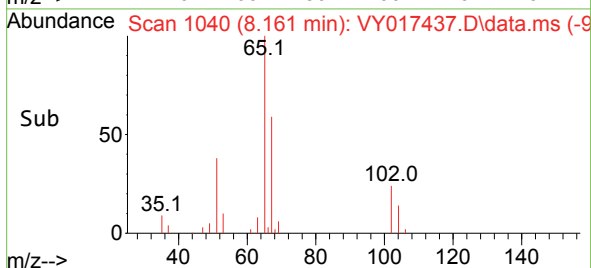
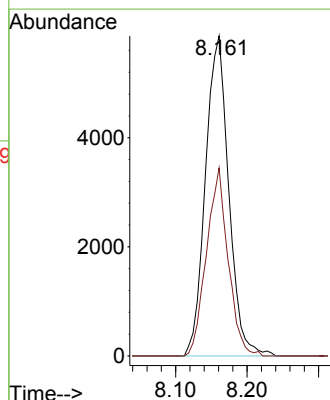
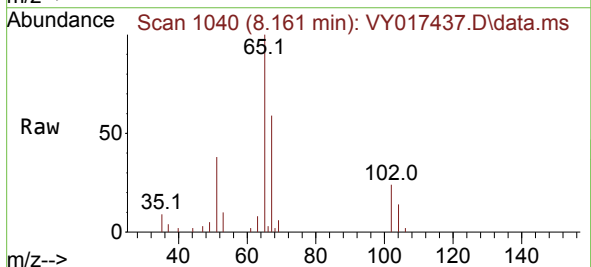
Instrument :
MSVOA_Y
ClientSampleId :
4

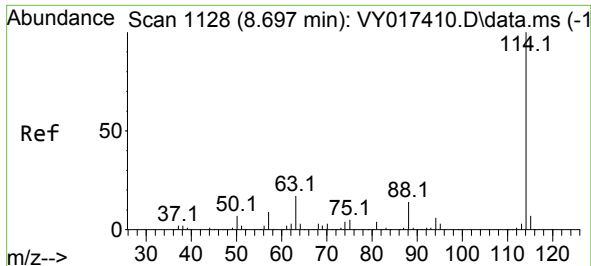
Tgt Ion: 56 Resp: 695
Ion Ratio Lower Upper
56 100
69 115.7 28.7 43.1#
84 150.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 47.308 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

Tgt Ion: 65 Resp: 13275
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017437.D

Acq: 21 Feb 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

4

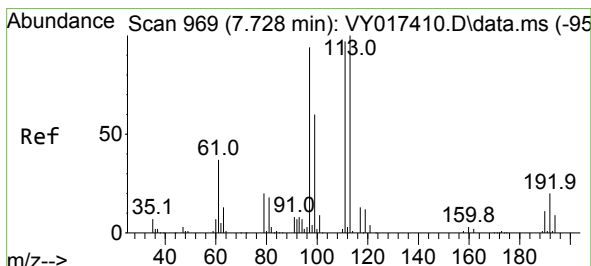
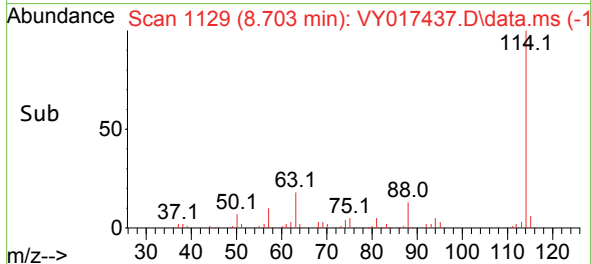
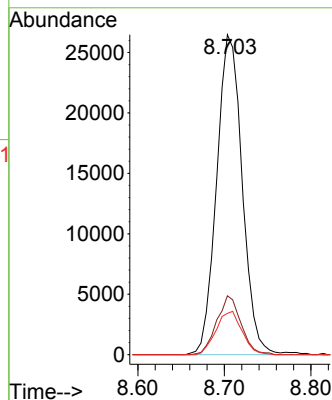
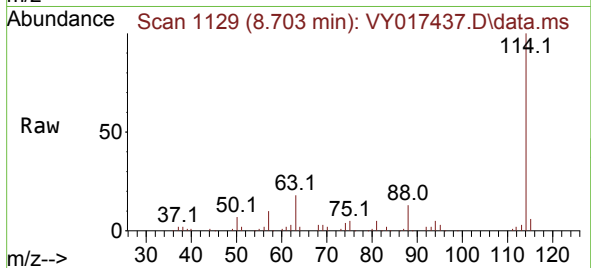
Tgt Ion:114 Resp: 54175

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 12.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.689 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017437.D

Acq: 21 Feb 2024 14:55

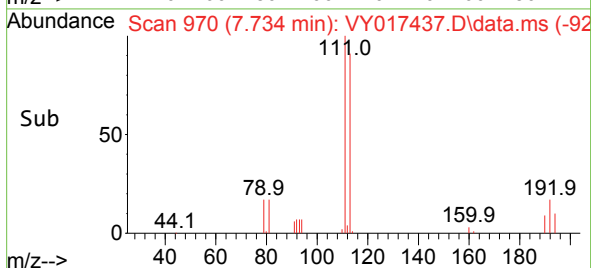
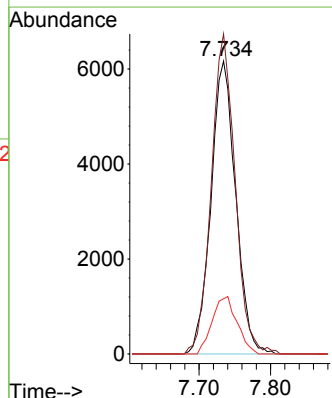
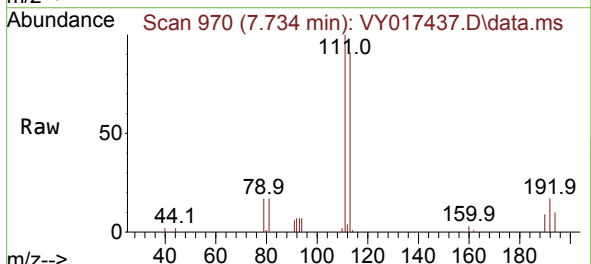
Tgt Ion:113 Resp: 14806

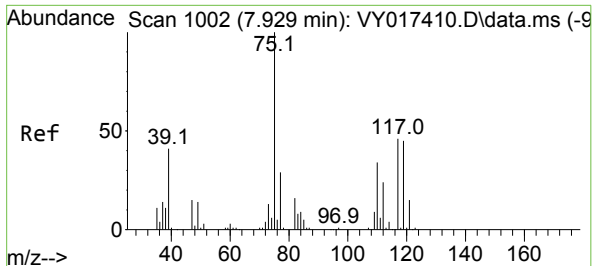
Ion Ratio Lower Upper

113 100

111 105.2 82.2 123.4

192 19.7 15.9 23.9

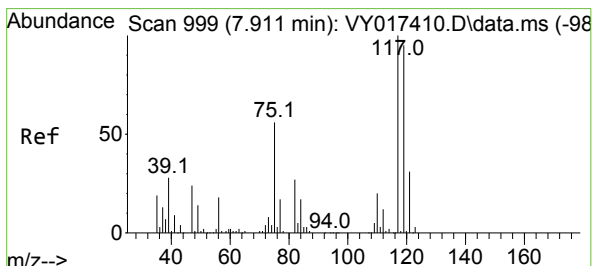
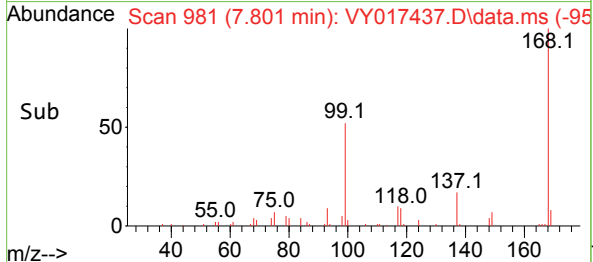
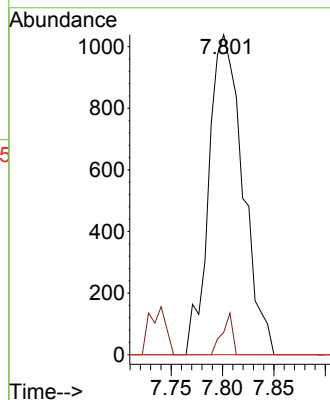
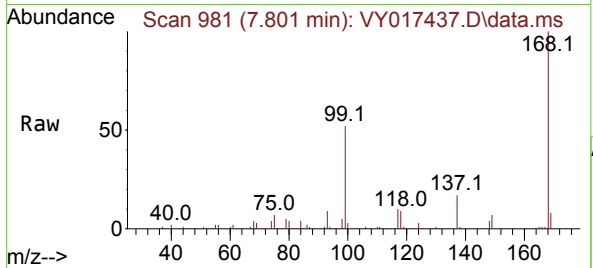




#36
 1,1-Dichloropropene
 Concen: 4.522 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.128 min
 Lab File: VY017437.D
 Acq: 21 Feb 2024 14:55

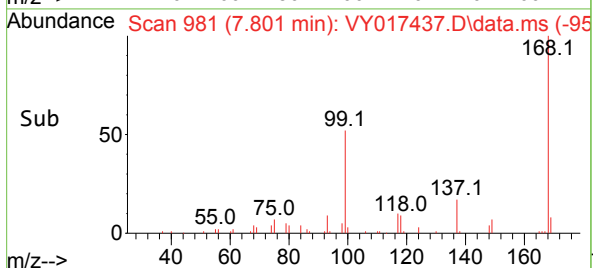
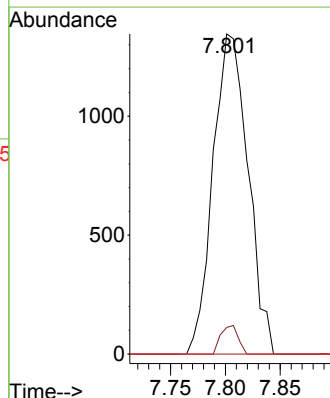
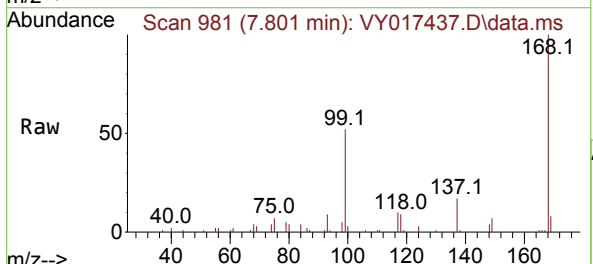
Instrument :
 MSVOA_Y
 ClientSampleId :
 4

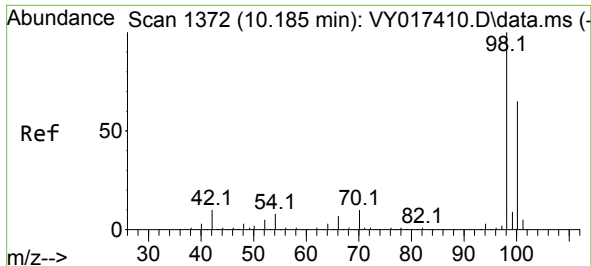
Tgt Ion: 75	Resp: 2395
Ion Ratio	Lower Upper
75 100	
110 4.0	19.0 57.0#
77 0.0	25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.674 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY017437.D
 Acq: 21 Feb 2024 14:55

Tgt Ion: 117	Resp: 2992
Ion Ratio	Lower Upper
117 100	
119 8.3	75.8 113.6#
121 0.0	24.0 36.0#

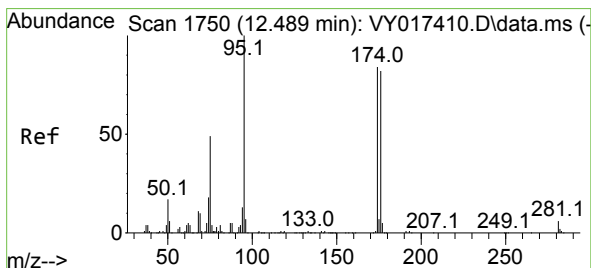
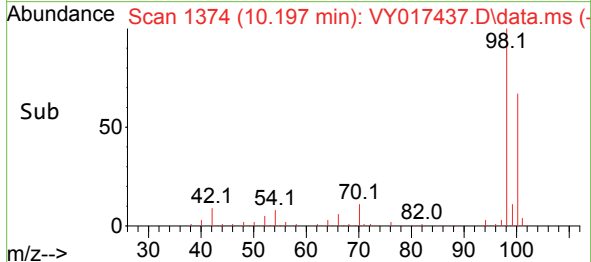
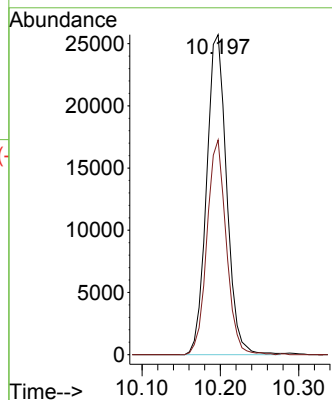
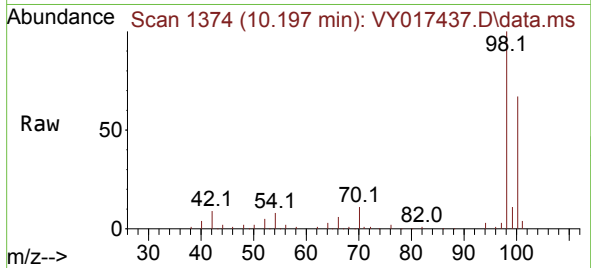




#50
Toluene-d8
Concen: 37.126 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

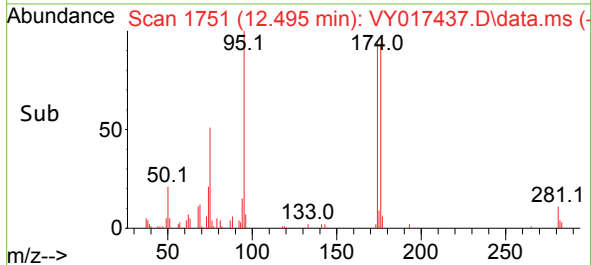
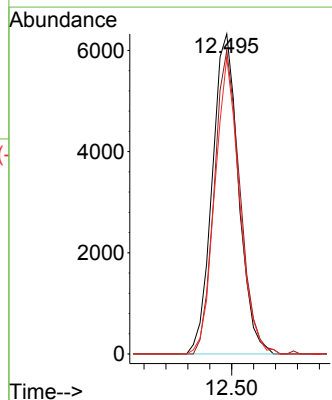
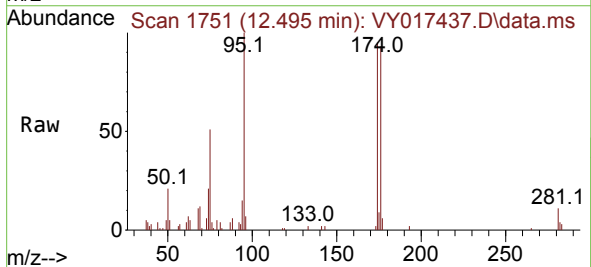
Instrument :
MSVOA_Y
ClientSampleId :
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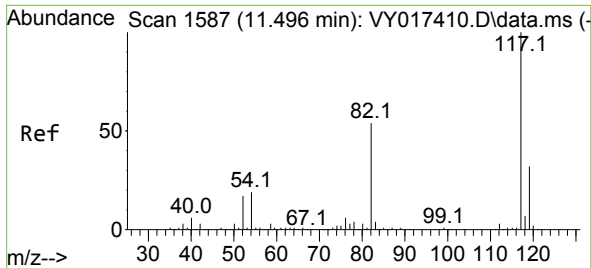
Tgt Ion: 98 Resp: 45661
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 26.484 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

Tgt Ion: 95 Resp: 10518
Ion Ratio Lower Upper
95 100
174 92.5 0.0 175.6
176 87.2 0.0 171.4

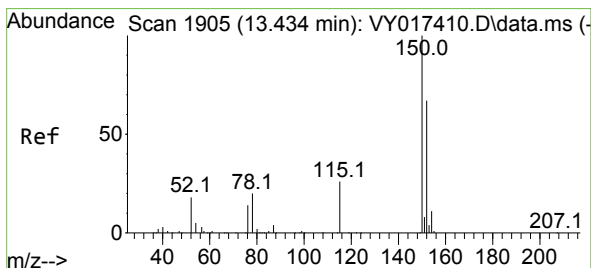
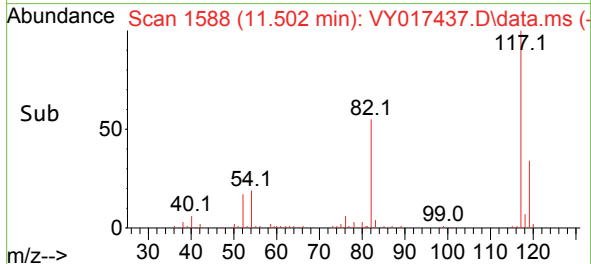
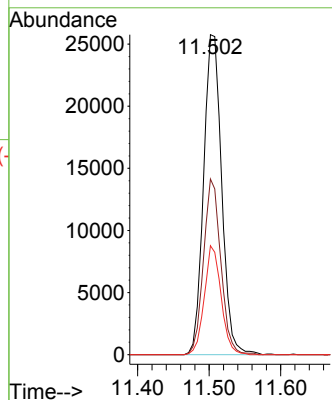
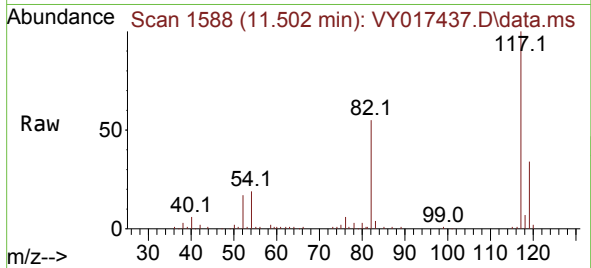




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

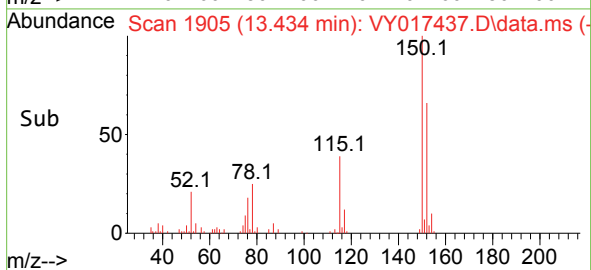
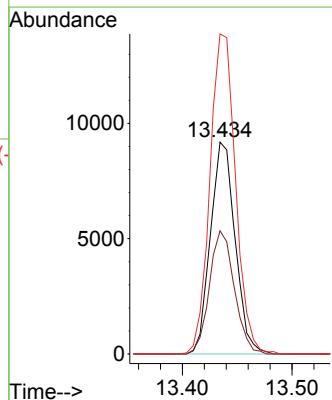
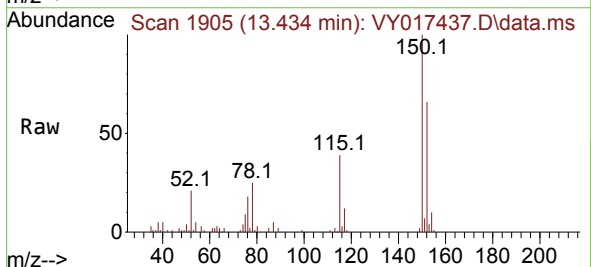
Instrument :
MSVOA_Y
ClientSampleId :
4

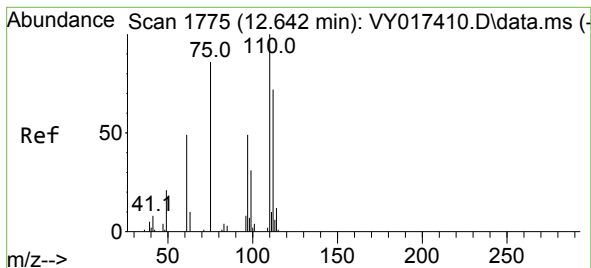
Tgt Ion:117 Resp: 45287
Ion Ratio Lower Upper
117 100
82 54.9 42.4 63.6
119 34.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

Tgt Ion:152 Resp: 14399
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.5 0.0 345.6

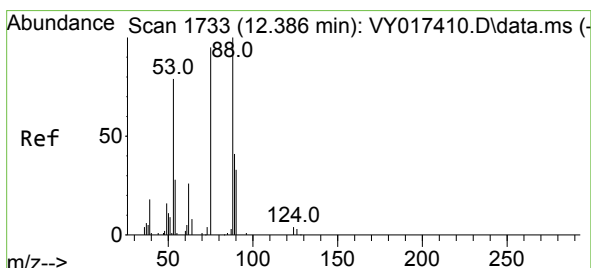
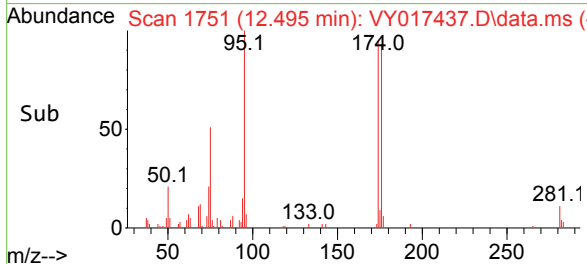
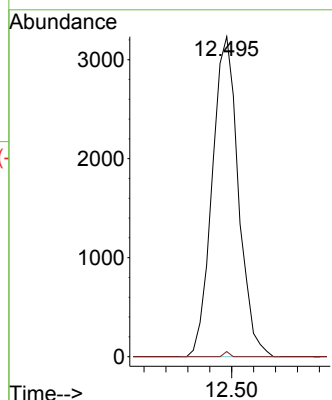
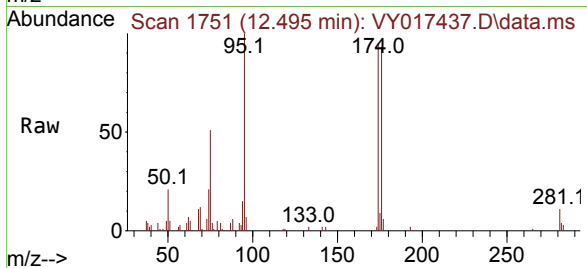




#76
1,2,3-Trichloropropane
Concen: 38.414 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

Instrument :
MSVOA_Y
ClientSampleId :
4

Tgt Ion: 75 Resp: 5363
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.564 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017437.D
Acq: 21 Feb 2024 14:55

Tgt Ion: 75 Resp: 5363
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

