

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017069.D
 Acq On : 22 Jan 2024 12:45
 Operator : SY/MD
 Sample : P1183-03
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 01:44:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

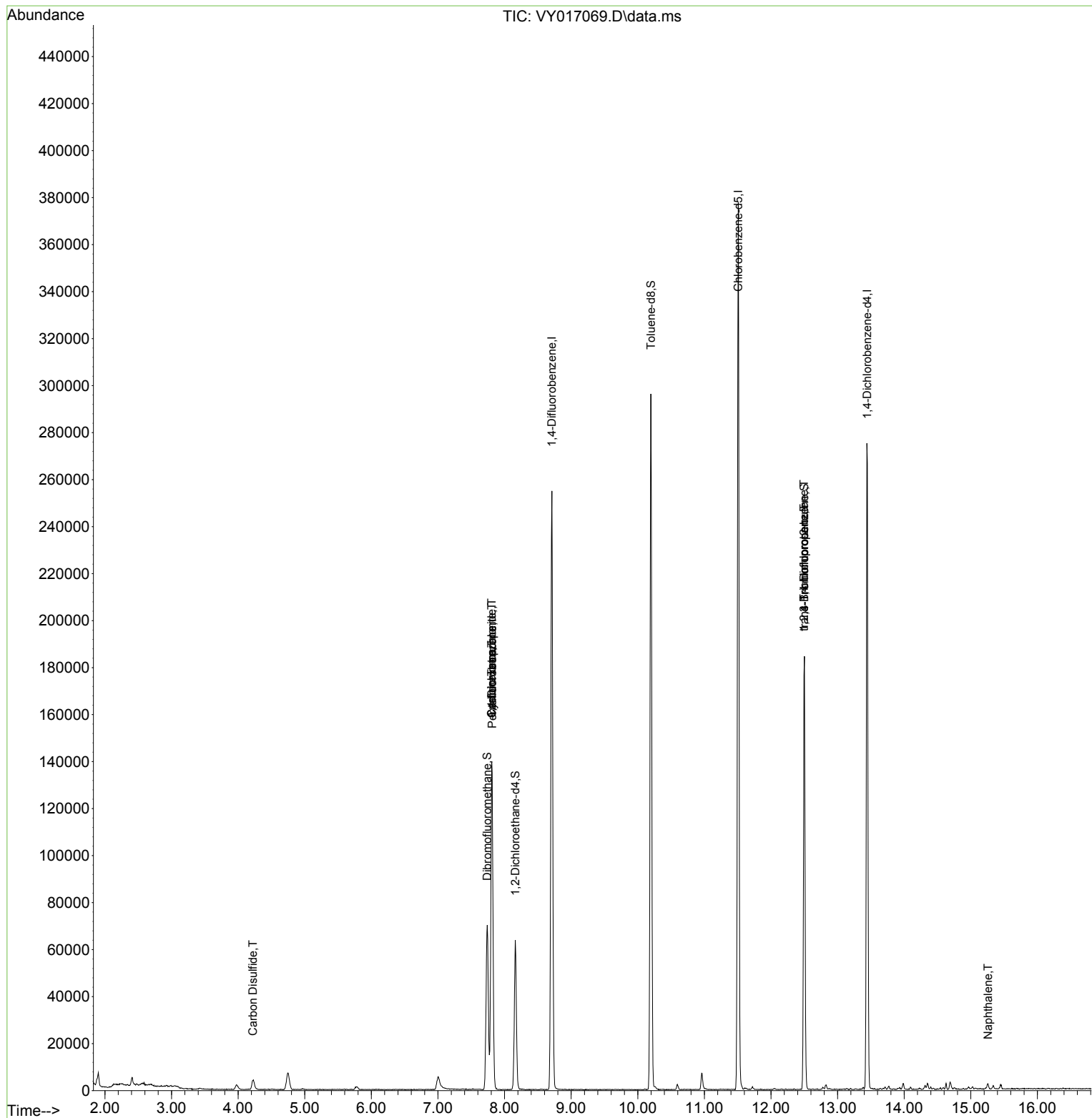
Internal Standards						
1) Pentafluorobenzene	7.813	168	105446	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	219625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	206736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	71584	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	47006	45.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.200%
35) Dibromofluoromethane	7.740	113	52450	37.477	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.960%
50) Toluene-d8	10.197	98	193283	40.106	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.220%
62) 4-Bromofluorobenzene	12.502	95	56485	34.739	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.480%
Target Compounds						
2) Dichlorodifluoromethane	1.912	85	68	Below Cal	#	40
11) Tert butyl alcohol	4.985	59	184	Below Cal	#	75
13) Acrolein	3.765	56	78	Below Cal	#	15
16) Acetone	3.985	43	3648	Below Cal		94
17) Carbon Disulfide	4.223	76	8230	3.430	ug/l #	92
20) Methylene Chloride	4.753	84	5445	Below Cal		97
25) 2-Butanone	7.015	43	852	Below Cal		98
31) Cyclohexane	7.807	56	2313	1.293	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	8834	4.331	ug/l #	49
38) Carbon Tetrachloride	7.807	117	10470	5.053	ug/l #	16
76) 1,2,3-Trichloropropane	12.496	75	30754	39.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	30754	89.898	ug/l #	12
95) Naphthalene	15.257	128	2279	1.803	ug/l	99

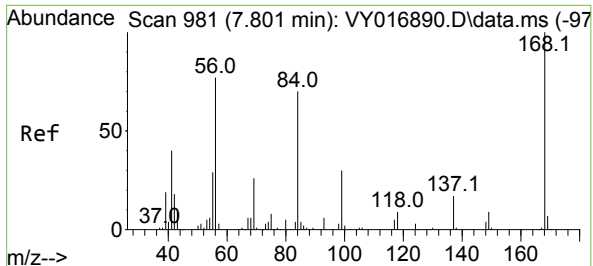
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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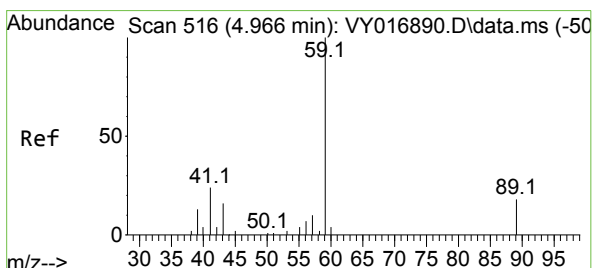
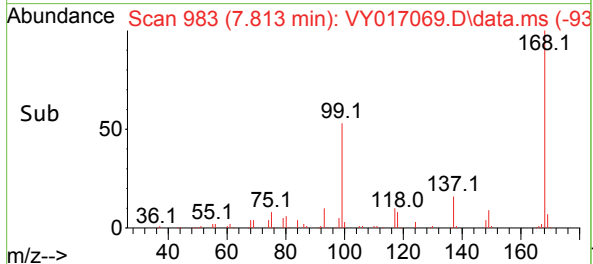
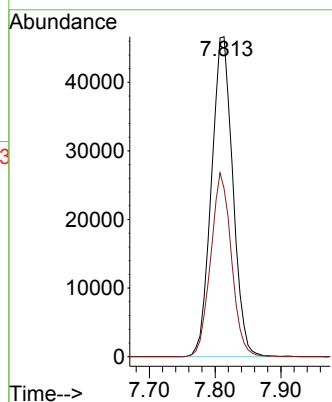
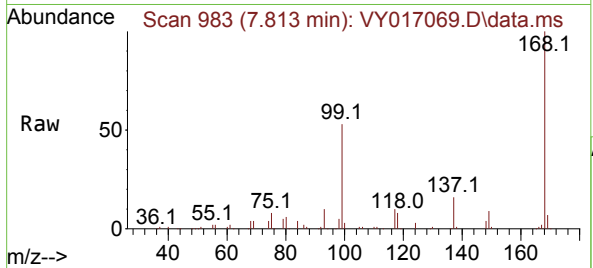




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

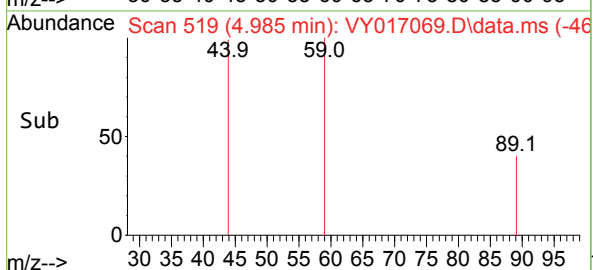
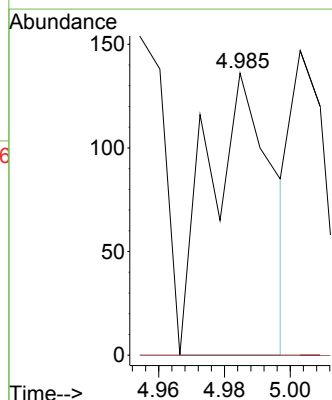
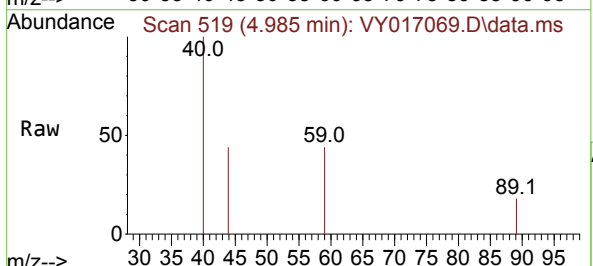
Instrument :
MSVOA_Y
ClientSampleId :

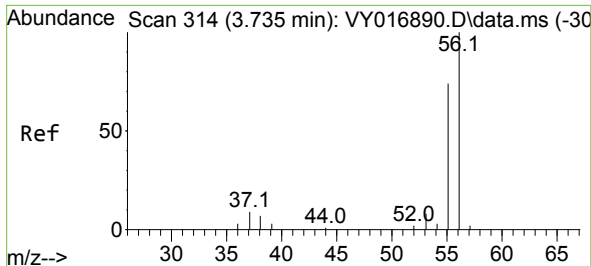
Tgt Ion:168 Resp: 105446
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: Below Cal

RT: 3.765 min Scan# 314

Delta R.T. 0.024 min

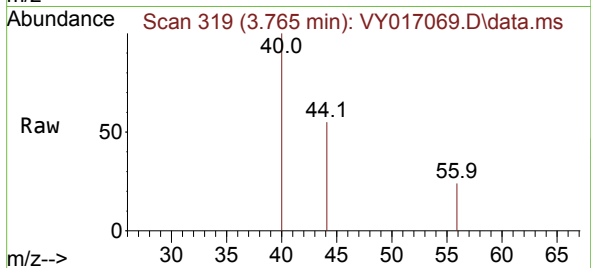
Lab File: VY017069.D

Acq: 22 Jan 2024 12:45

Instrument :

MSVOA_Y

ClientSampleId :

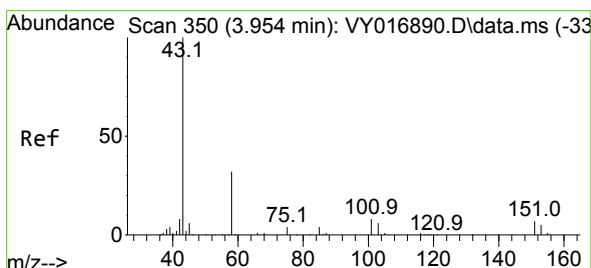
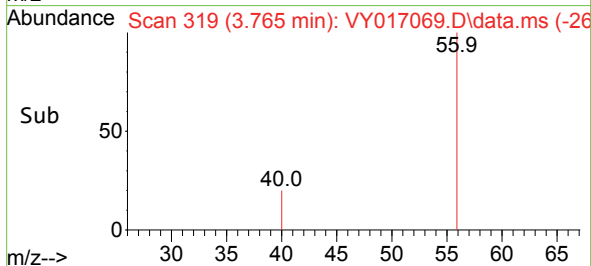
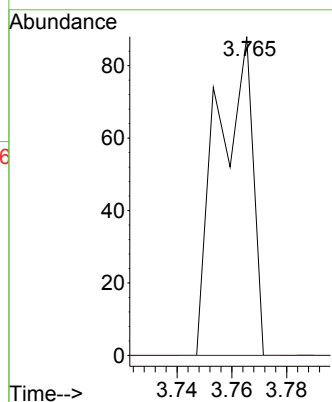


Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: Below Cal

RT: 3.985 min Scan# 355

Delta R.T. 0.025 min

Lab File: VY017069.D

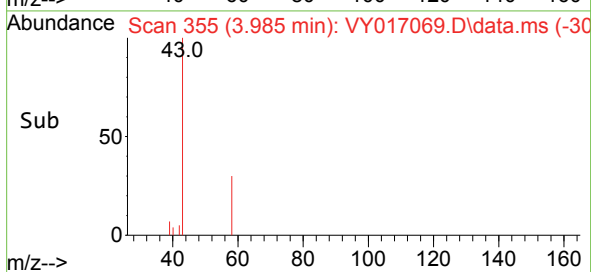
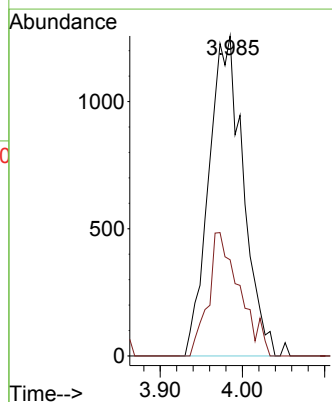
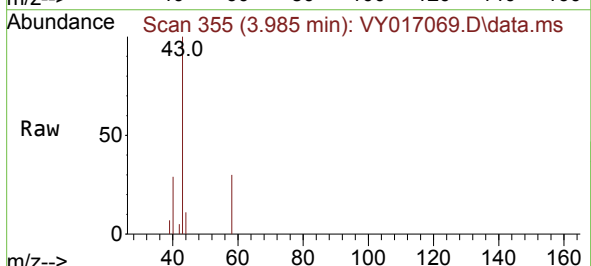
Acq: 22 Jan 2024 12:45

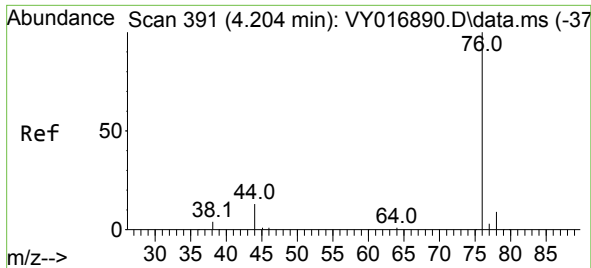
Tgt Ion: 43 Resp: 3648

Ion Ratio Lower Upper

43 100

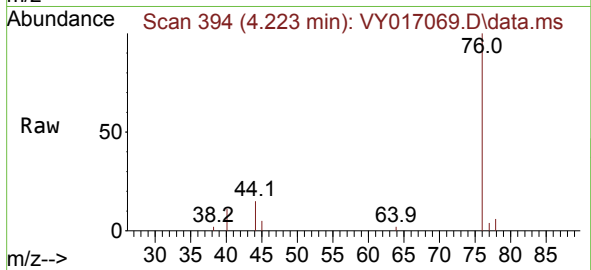
58 30.0 26.6 39.8



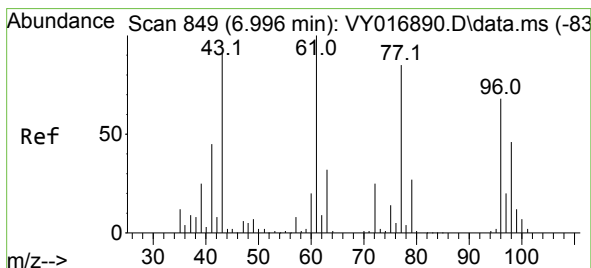
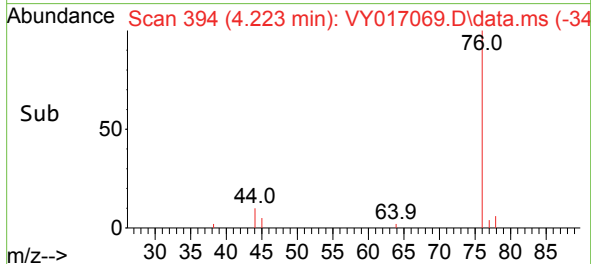
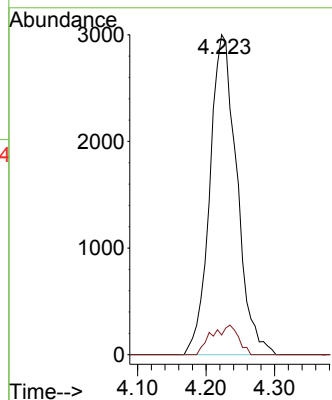


#17
Carbon Disulfide
Concen: 3.430 ug/l
RT: 4.223 min Scan# 391
Delta R.T. 0.013 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Instrument :
MSVOA_Y
ClientSampleId :

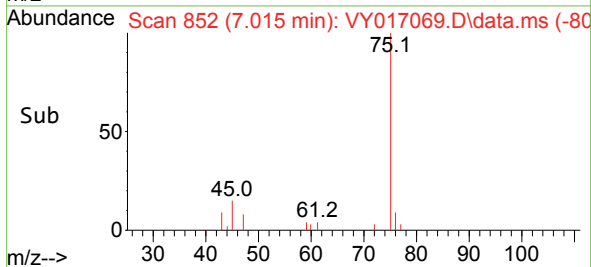
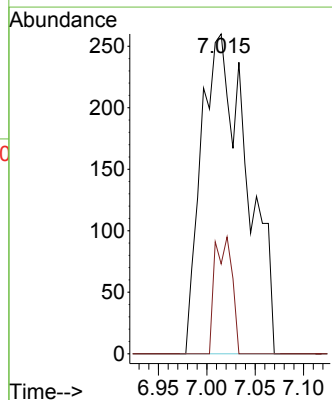
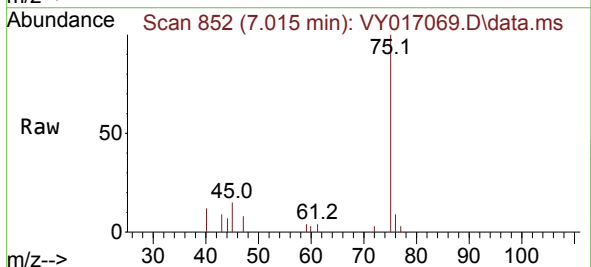


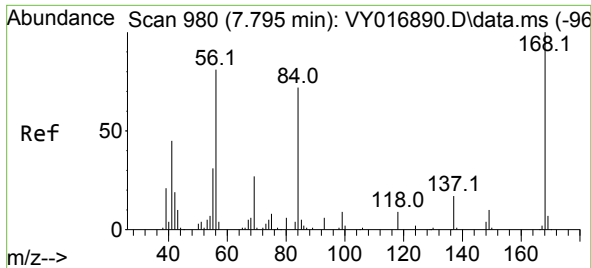
Tgt Ion: 76 Resp: 8230
Ion Ratio Lower Upper
76 100
78 6.2 7.4 11.0#



#25
2-Butanone
Concen: Below Cal
RT: 7.015 min Scan# 852
Delta R.T. 0.019 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

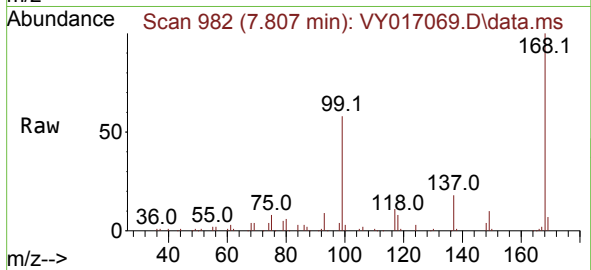
Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
72 28.1 21.4 32.2



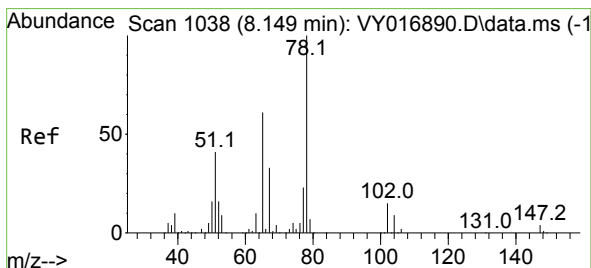
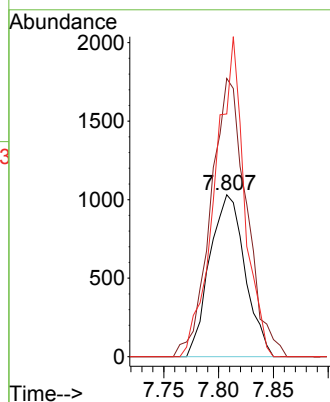
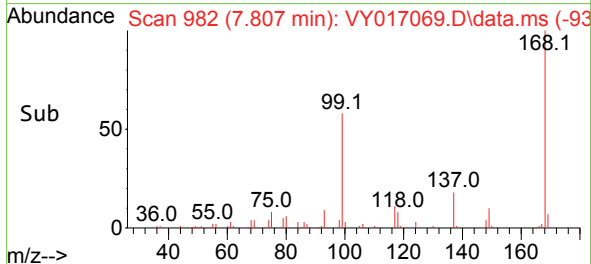


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Instrument :
MSVOA_Y
ClientSampleId :

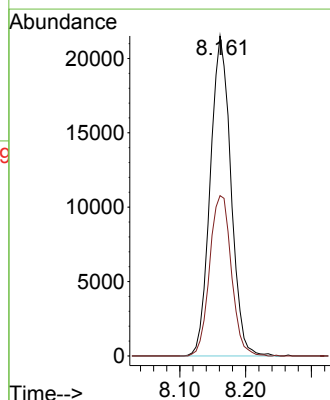
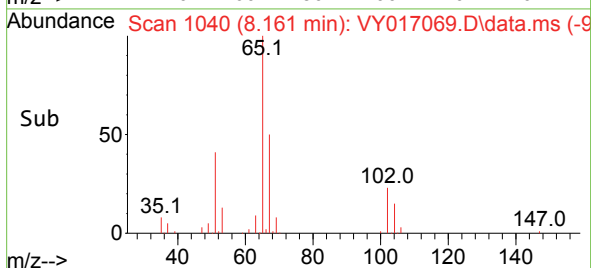
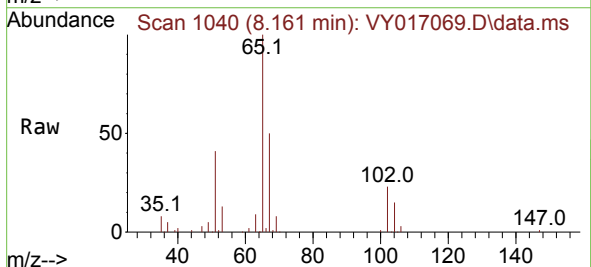


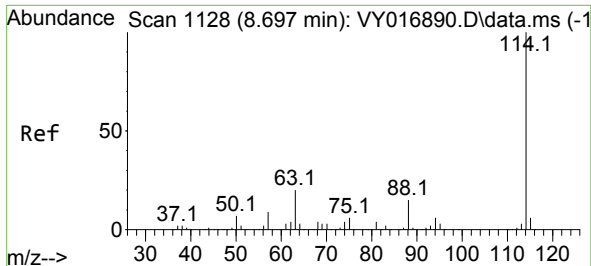
Tgt Ion: 56 Resp: 2313
Ion Ratio Lower Upper
56 100
69 165.0 27.0 40.6#
84 150.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 45.103 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Tgt Ion: 65 Resp: 47006
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VY017069.D

Acq: 22 Jan 2024 12:45

Instrument :

MSVOA_Y

ClientSampleId :

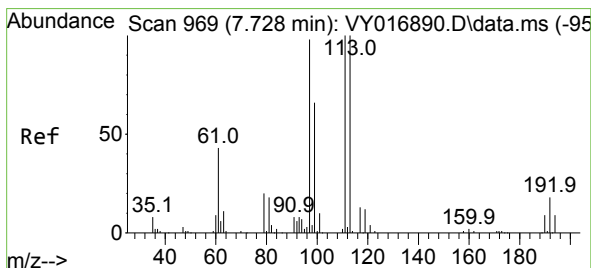
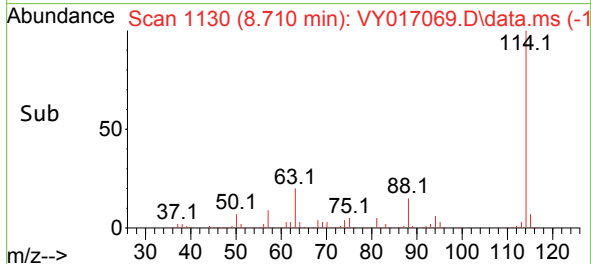
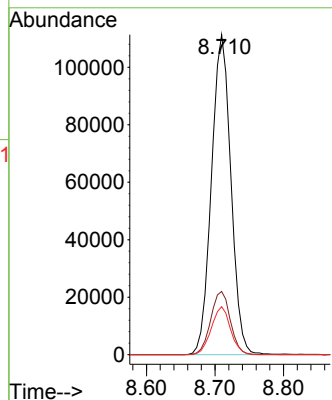
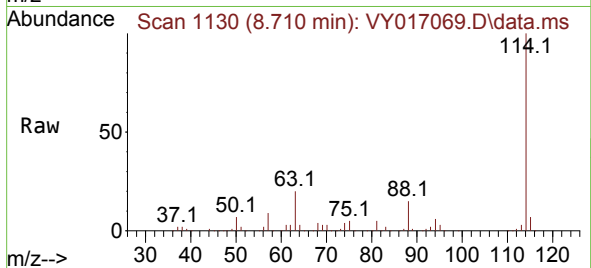
Tgt Ion:114 Resp: 219625

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.477 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY017069.D

Acq: 22 Jan 2024 12:45

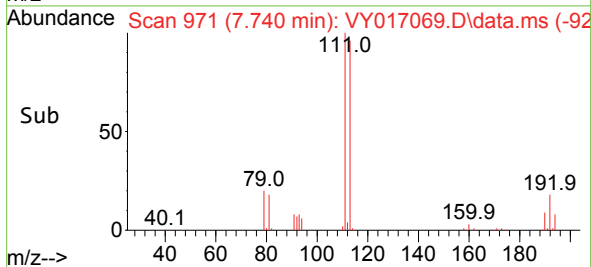
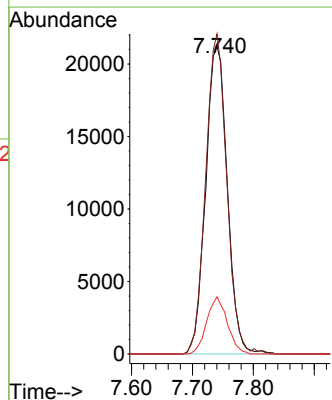
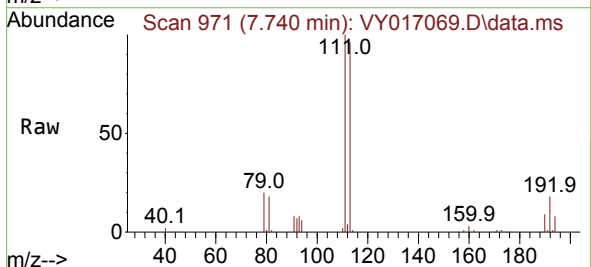
Tgt Ion:113 Resp: 52450

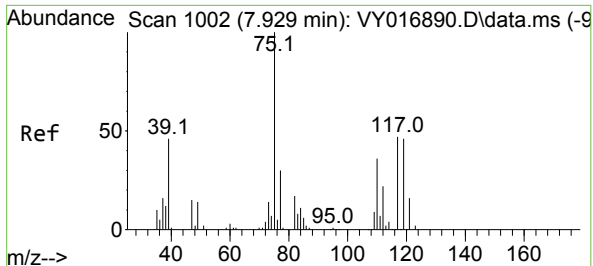
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

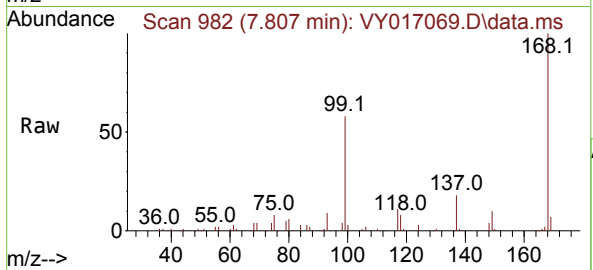
192 17.6 14.5 21.7



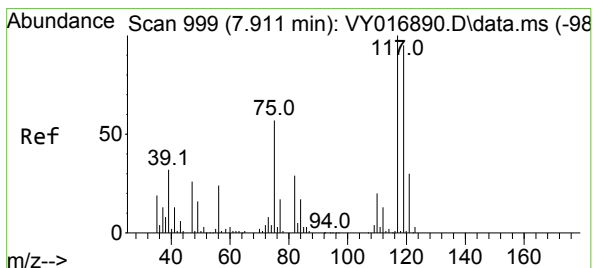
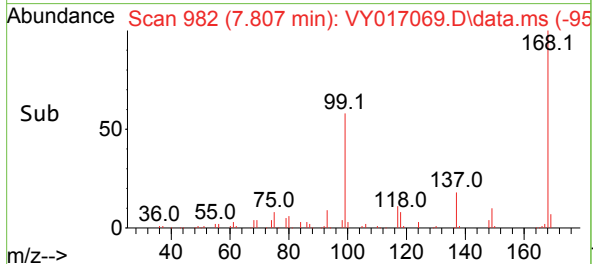
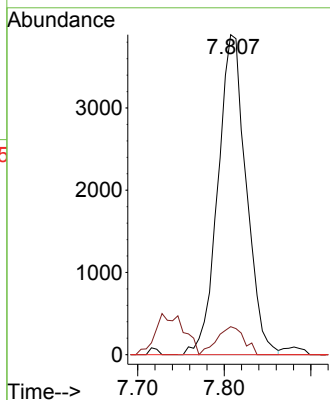


#36
1,1-Dichloropropene
Concen: 4.331 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Instrument :
MSVOA_Y
ClientSampleId :

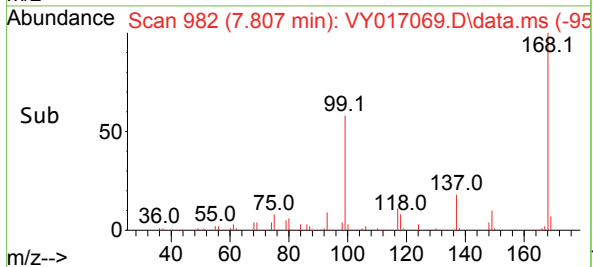
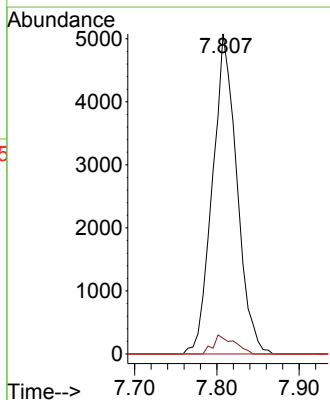
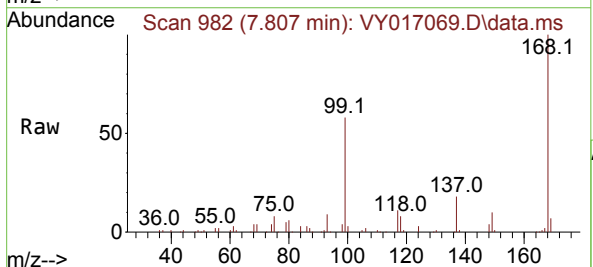


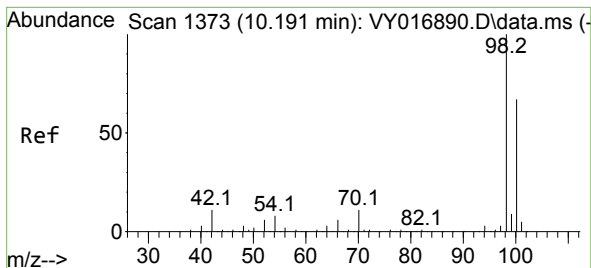
Tgt Ion: 75 Resp: 8834
Ion Ratio Lower Upper
75 100
110 8.1 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.053 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Tgt Ion: 117 Resp: 10470
Ion Ratio Lower Upper
117 100
119 4.9 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 40.106 ug/l

RT: 10.197 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017069.D

Acq: 22 Jan 2024 12:45

Instrument :

MSVOA_Y

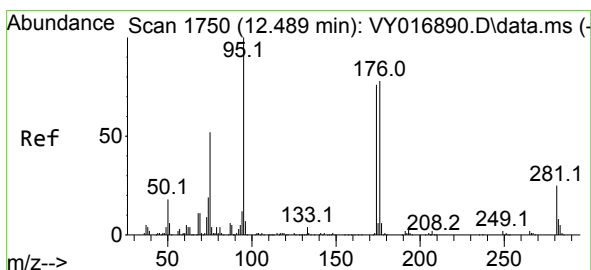
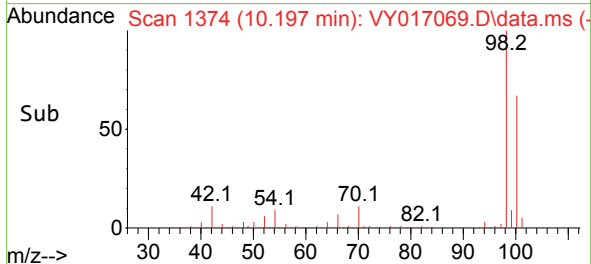
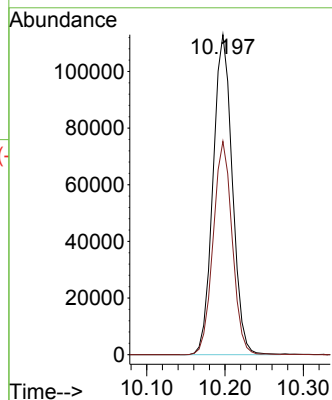
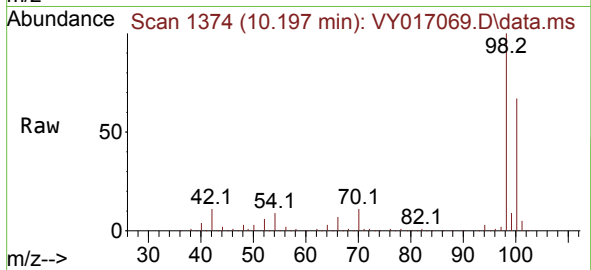
ClientSampleId :

Tgt Ion: 98 Resp: 193283

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 34.739 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.013 min

Lab File: VY017069.D

Acq: 22 Jan 2024 12:45

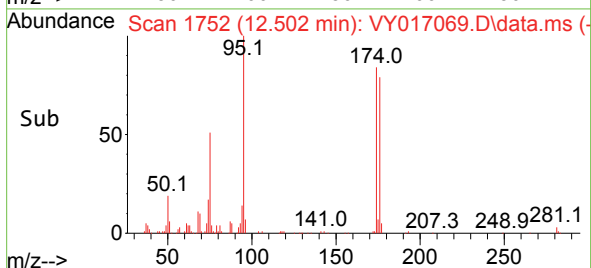
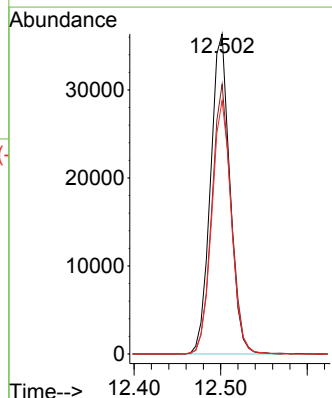
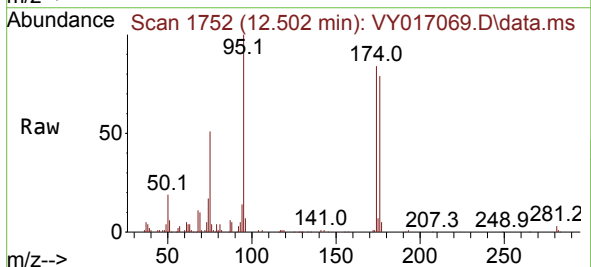
Tgt Ion: 95 Resp: 56485

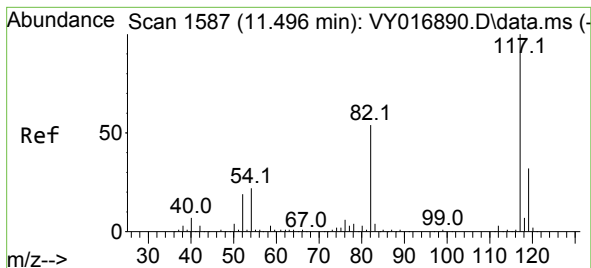
Ion Ratio Lower Upper

95 100

174 84.2 0.0 160.0

176 80.1 0.0 151.8

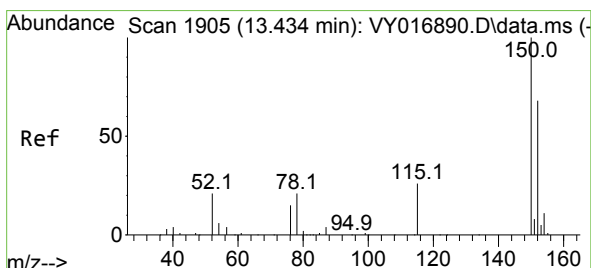
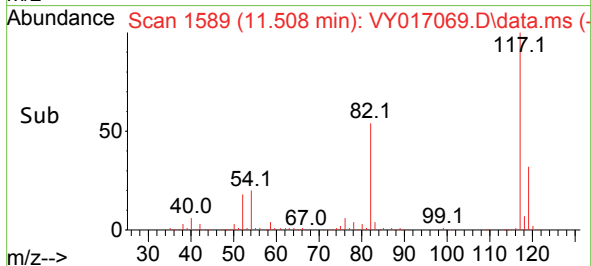
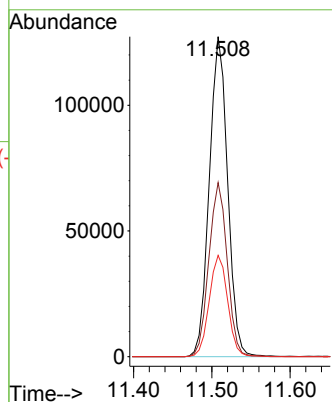
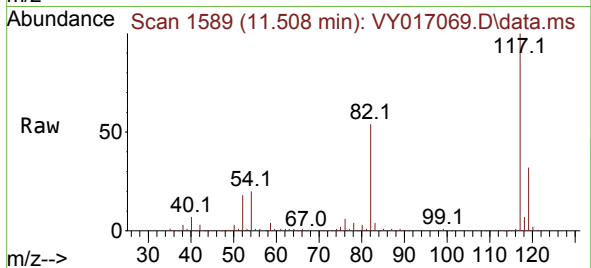




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

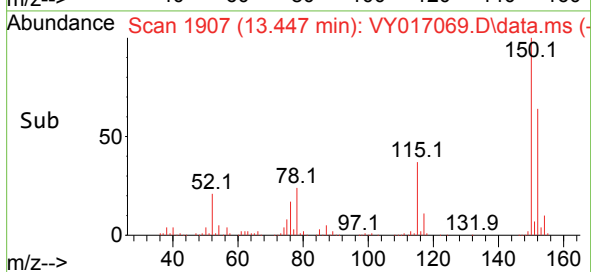
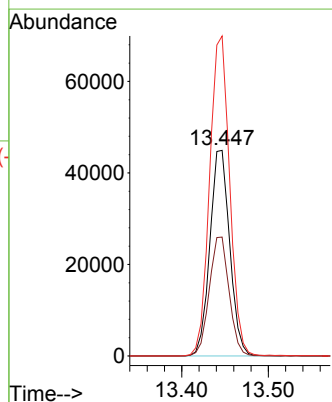
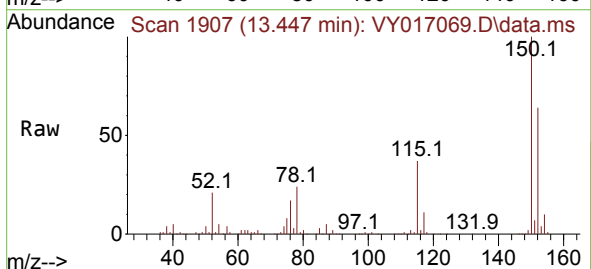
Instrument :
MSVOA_Y
ClientSampleId :

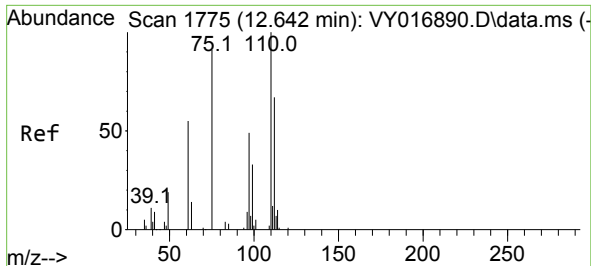
Tgt Ion:117 Resp: 206736
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 31.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.013 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Tgt Ion:152 Resp: 71584
Ion Ratio Lower Upper
152 100
115 57.8 30.0 90.0
150 156.9 0.0 344.6

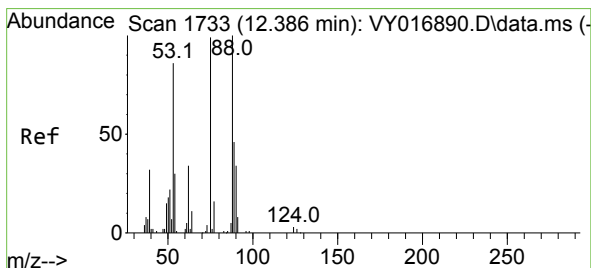
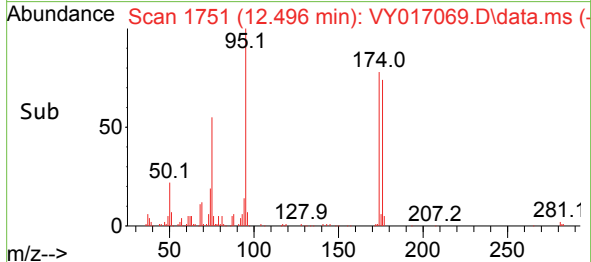
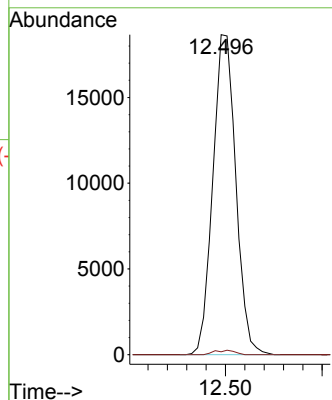
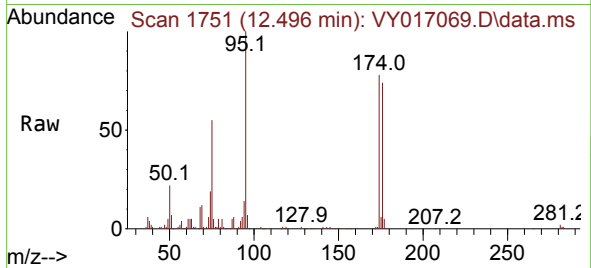




#76
1,2,3-Trichloropropane
Concen: 39.590 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

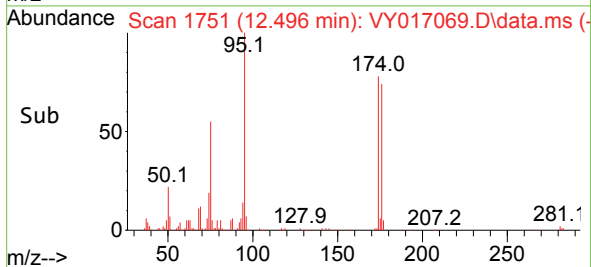
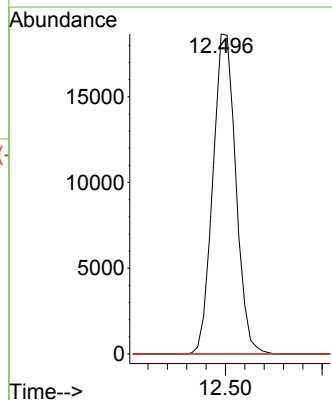
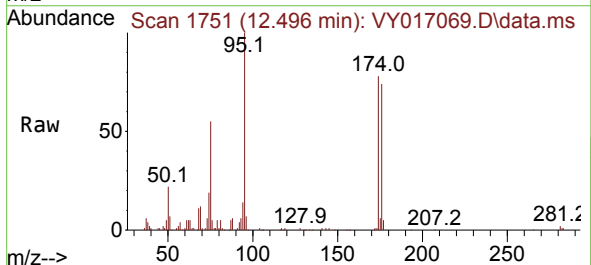
Instrument :
MSVOA_Y
ClientSampleId :

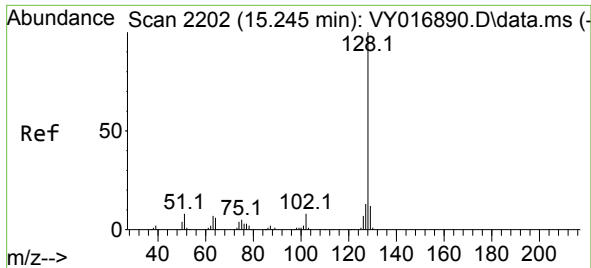
Tgt Ion: 75 Resp: 30754
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.898 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.111 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

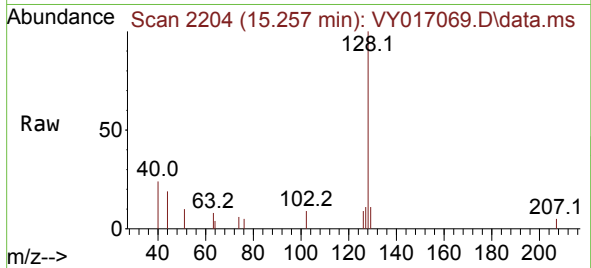
Tgt Ion: 75 Resp: 30754
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 1.803 ug/l
RT: 15.257 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY017069.D
Acq: 22 Jan 2024 12:45

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	2279
Ion Ratio	100	Lower	Upper
128	100		
127	12.2	10.2	15.4
129	10.6	8.6	12.8

