

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031824\
 Data File : VY017699.D
 Acq On : 18 Mar 2024 19:22
 Operator : SY/MD
 Sample : P1764-09
 Misc : 4.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-9

Quant Time: Mar 19 04:13:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

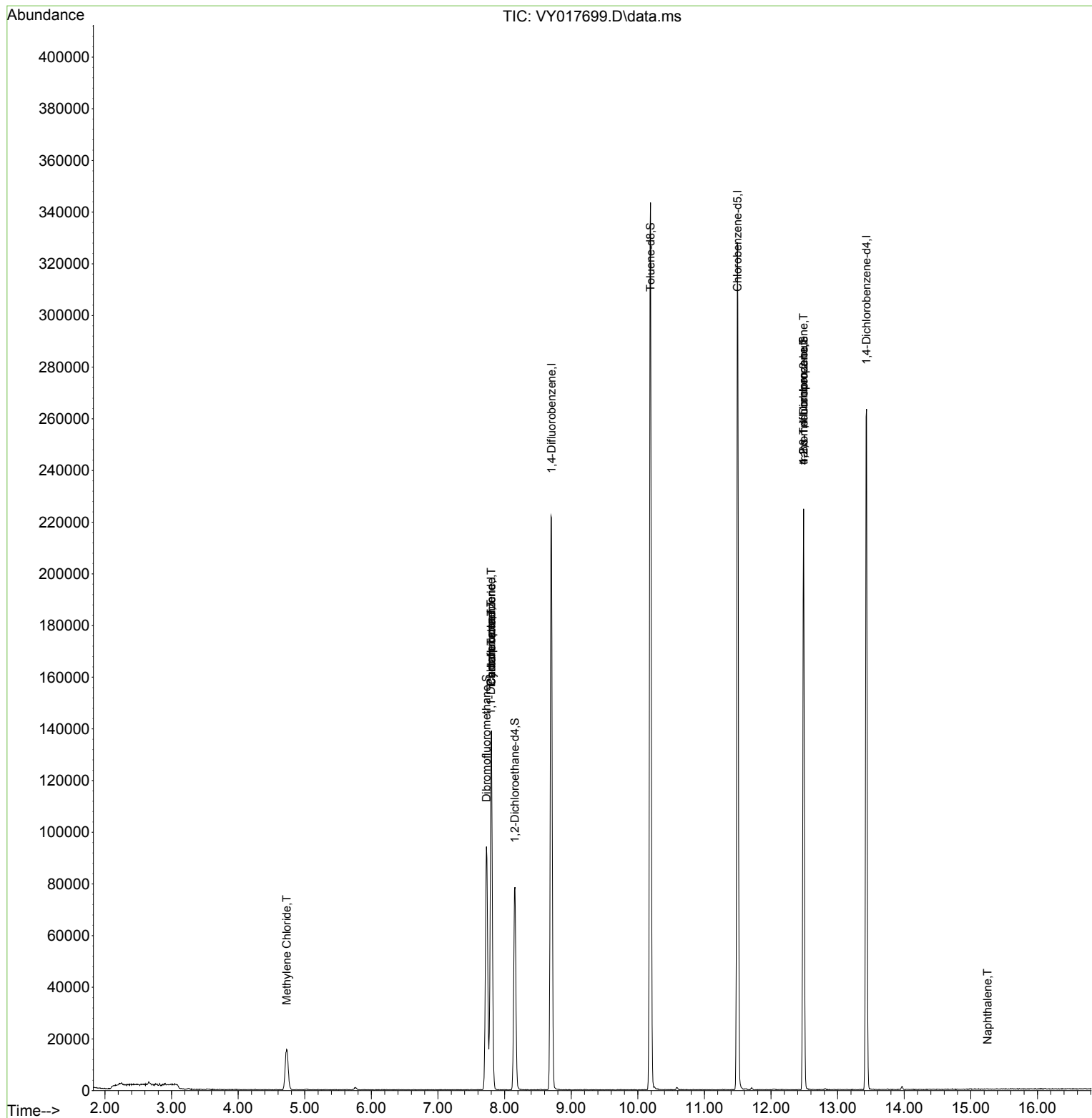
Internal Standards						
1) Pentafluorobenzene	7.801	168	112145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	207653	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	190378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	73669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	60465	56.890	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.780%
35) Dibromofluoromethane	7.728	113	68849	47.581	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.160%
50) Toluene-d8	10.191	98	237385	46.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.840%
62) 4-Bromofluorobenzene	12.489	95	65875	41.431	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.860%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.728	84	13616	6.473	ug/l	98
31) Cyclohexane	7.801	56	2092	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7896	4.044	ug/l #	47
38) Carbon Tetrachloride	7.801	117	10149	5.187	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	32732	46.762	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	32732	107.449	ug/l #	16
95) Naphthalene	15.251	128	119	3.962	ug/l #	69

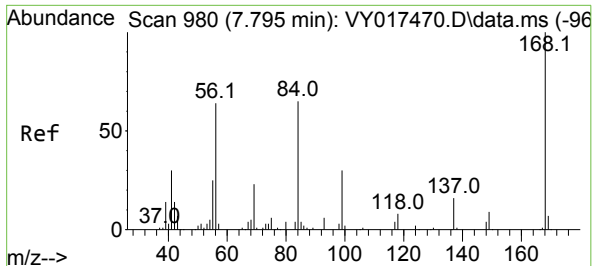
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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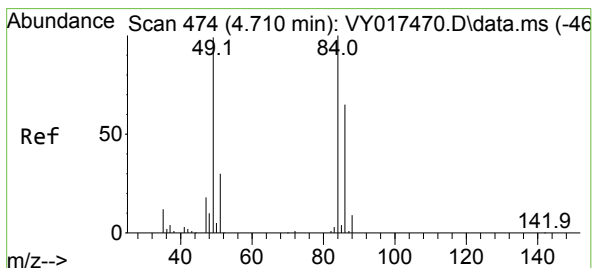
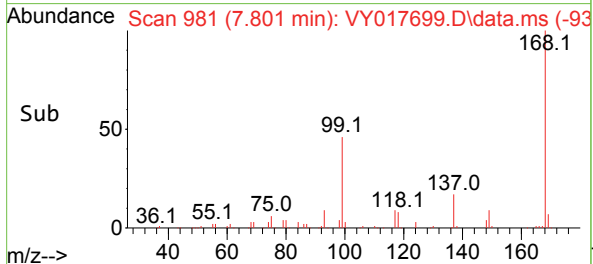
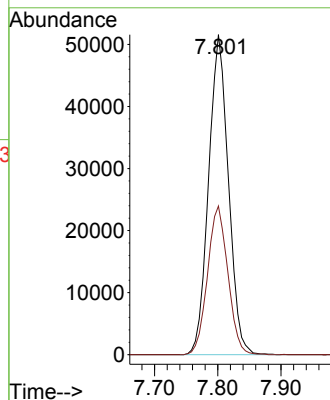
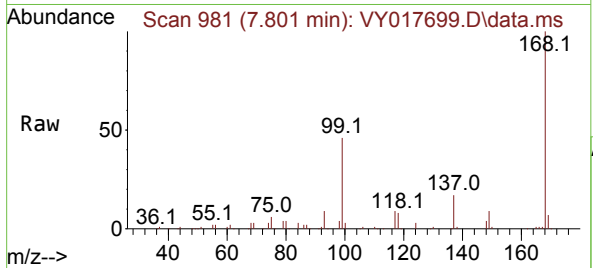




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

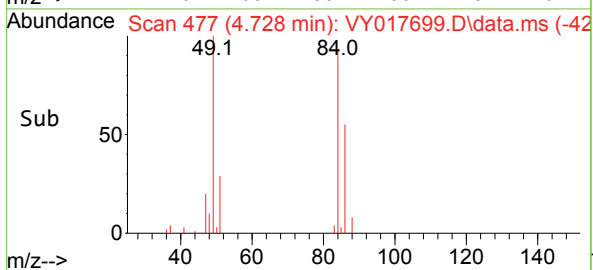
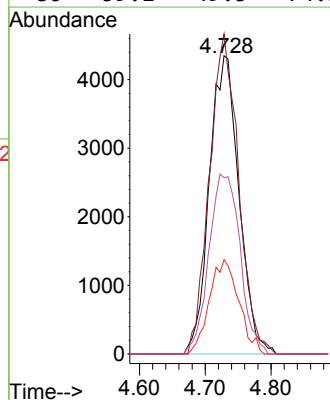
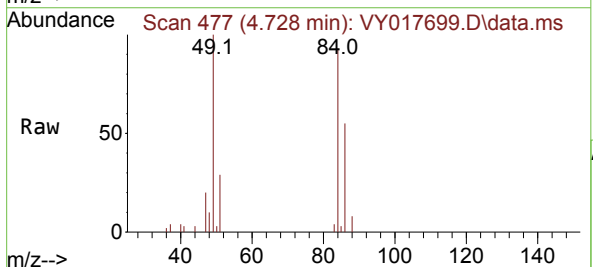
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

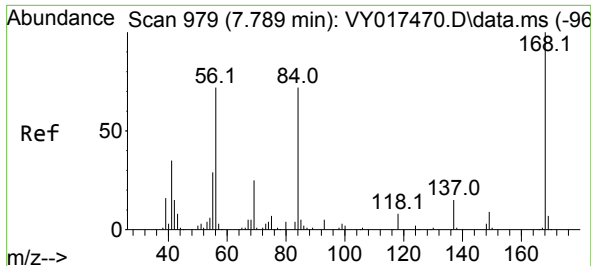
Tgt Ion:168 Resp: 112145
Ion Ratio Lower Upper
168 100
99 46.4 39.1 58.7



#20
Methylene Chloride
Concen: 6.473 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.018 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

Tgt Ion: 84 Resp: 13616
Ion Ratio Lower Upper
84 100
49 107.3 84.4 126.6
51 31.6 26.0 39.0
86 59.1 49.5 74.3

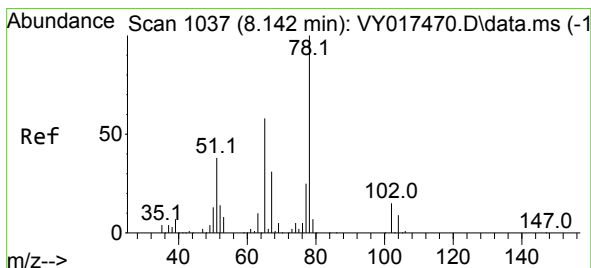
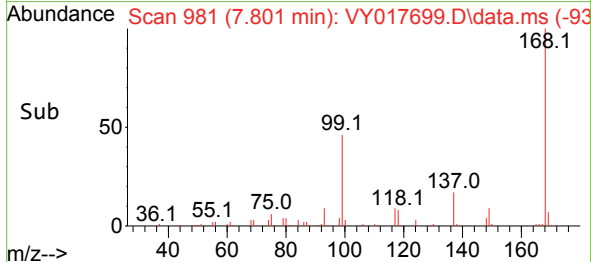
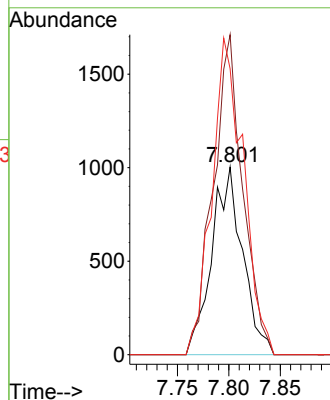
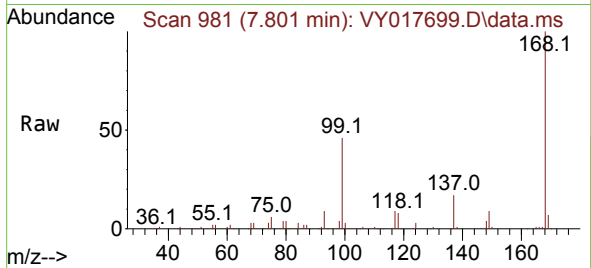




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

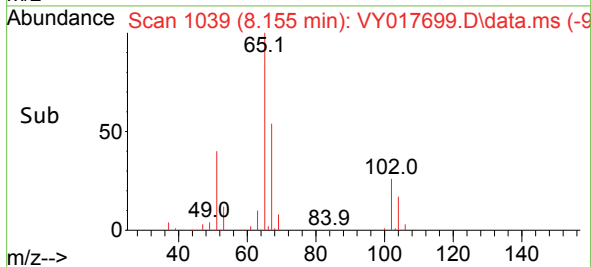
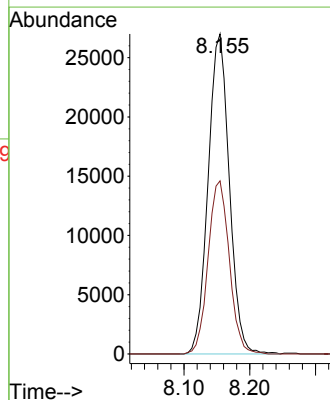
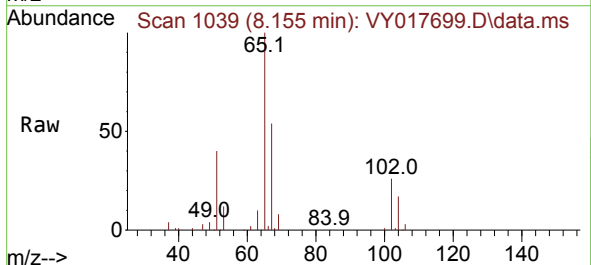
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

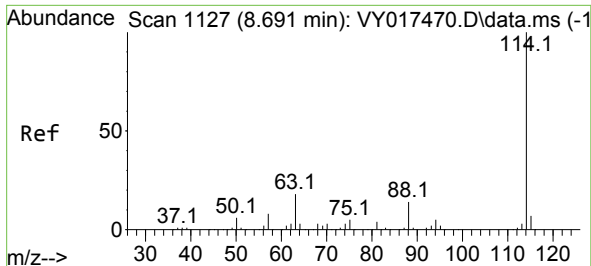
Tgt Ion: 56 Resp: 2092
Ion Ratio Lower Upper
56 100
69 170.4 28.7 43.1#
84 152.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.890 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

Tgt Ion: 65 Resp: 60465
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY017699.D

Acq: 18 Mar 2024 19:22

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-9

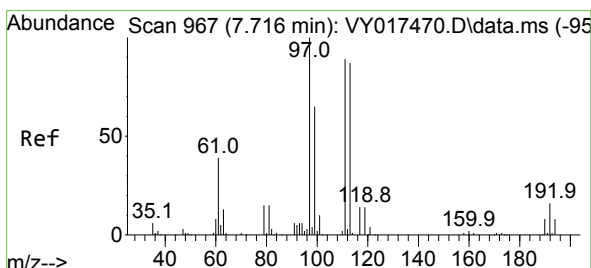
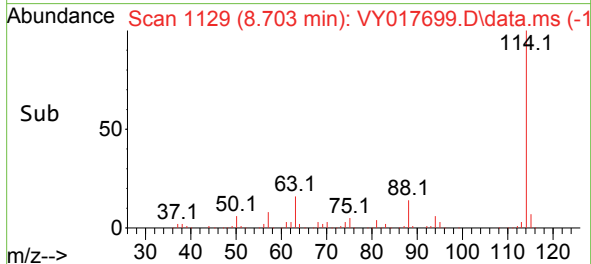
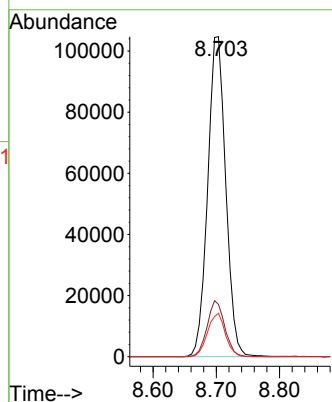
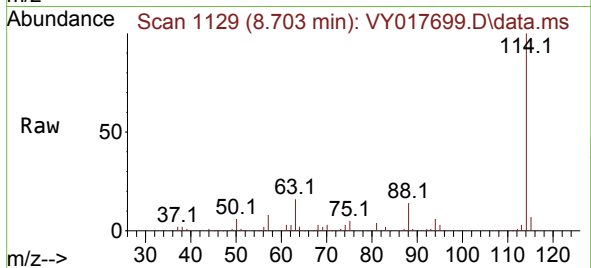
Tgt Ion:114 Resp: 207653

Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.581 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY017699.D

Acq: 18 Mar 2024 19:22

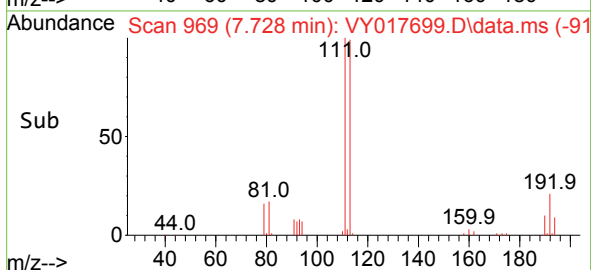
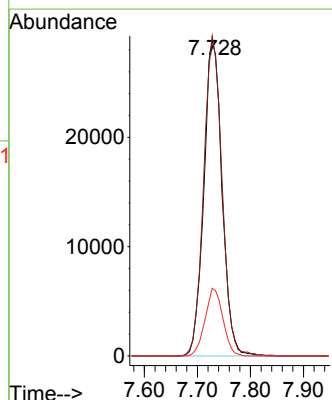
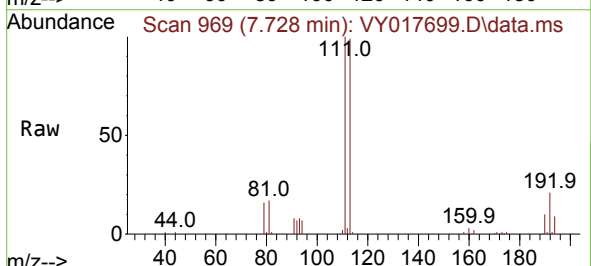
Tgt Ion:113 Resp: 68849

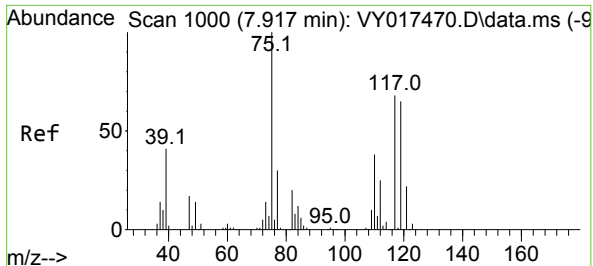
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 21.0 15.9 23.9

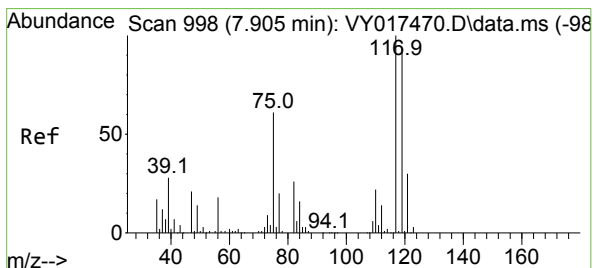
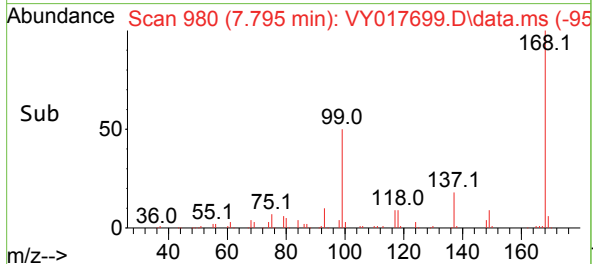
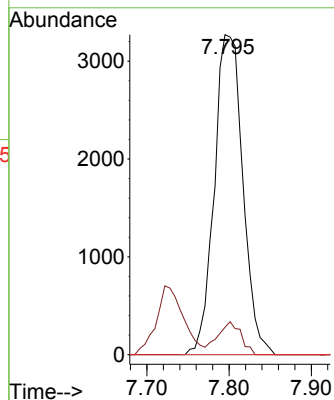
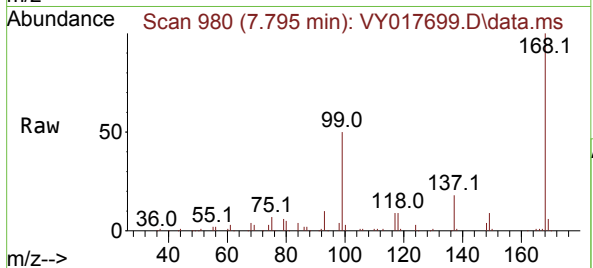




#36
1,1-Dichloropropene
Concen: 4.044 ug/l
RT: 7.795 min Scan# 910
Delta R.T. -0.122 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

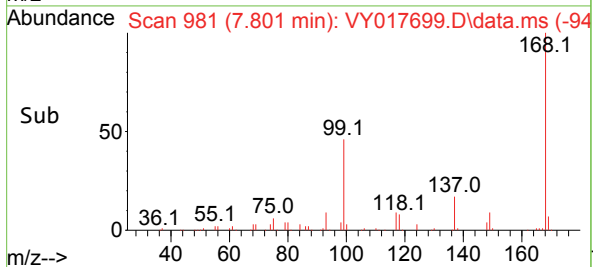
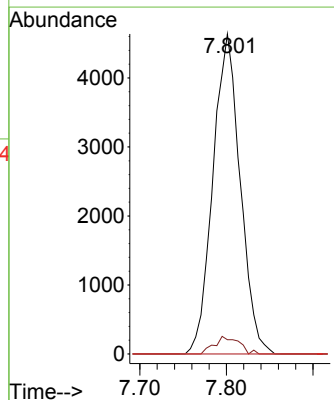
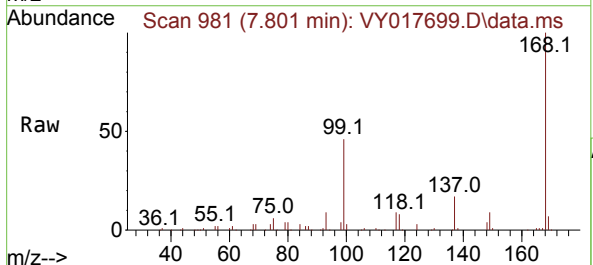
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

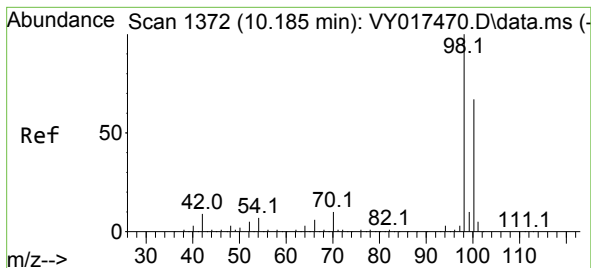
Tgt Ion: 75 Resp: 7896
Ion Ratio Lower Upper
75 100
110 8.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

Tgt Ion: 117 Resp: 10149
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.921 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017699.D

Acq: 18 Mar 2024 19:22

Instrument :

MSVOA_Y

ClientSampleId :

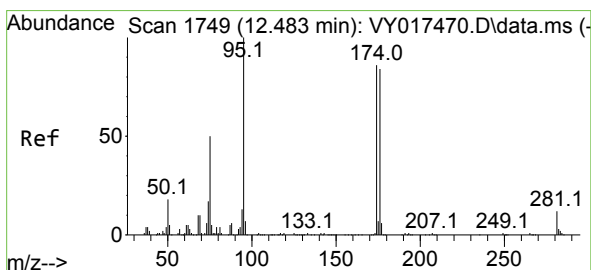
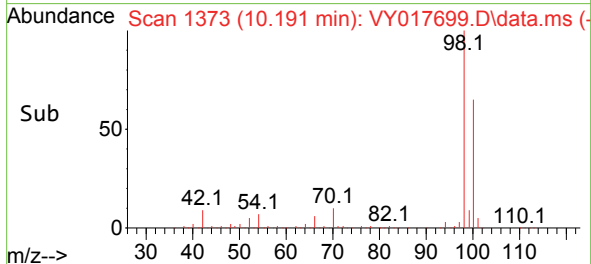
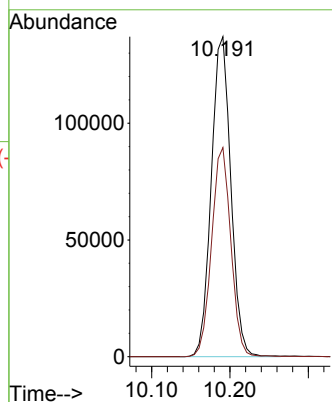
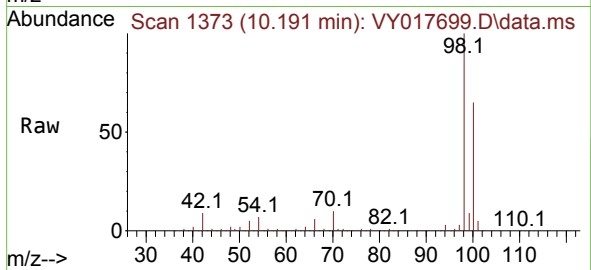
GRAB-9

Tgt Ion: 98 Resp: 237385

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.431 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017699.D

Acq: 18 Mar 2024 19:22

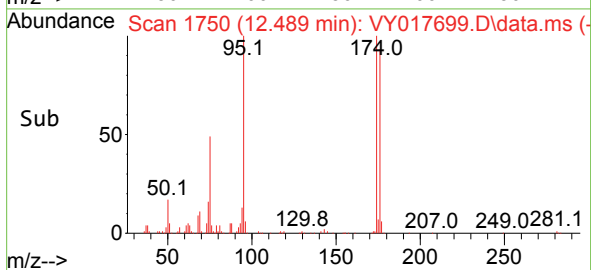
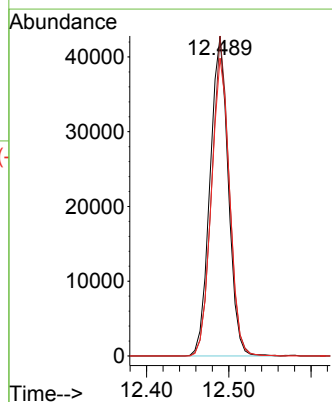
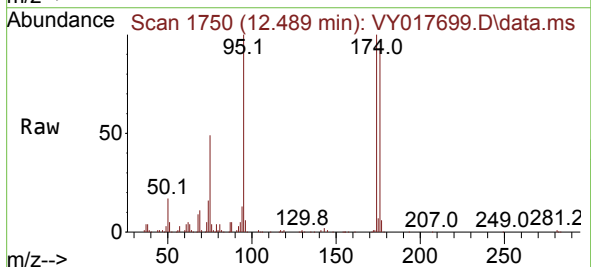
Tgt Ion: 95 Resp: 65875

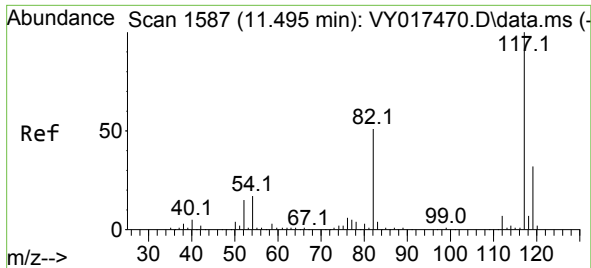
Ion Ratio Lower Upper

95 100

174 95.4 0.0 175.6

176 93.0 0.0 171.4

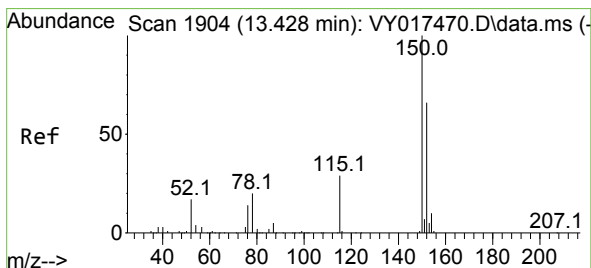
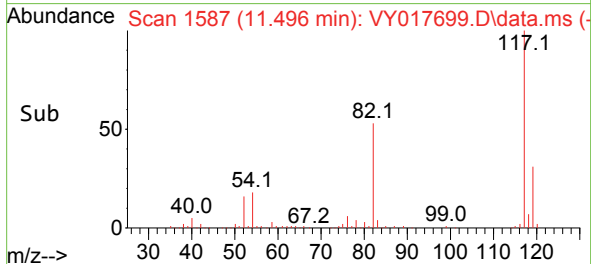
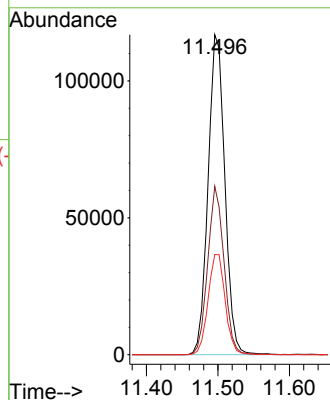
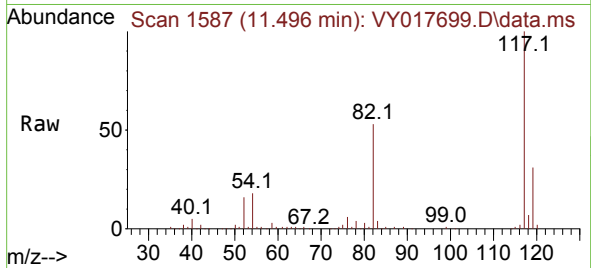




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

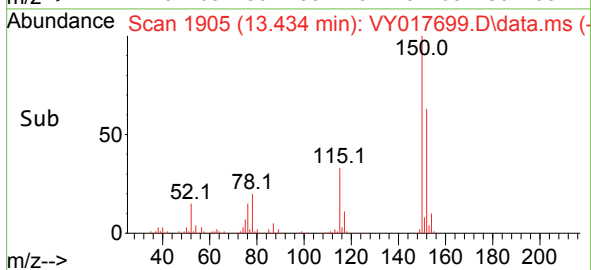
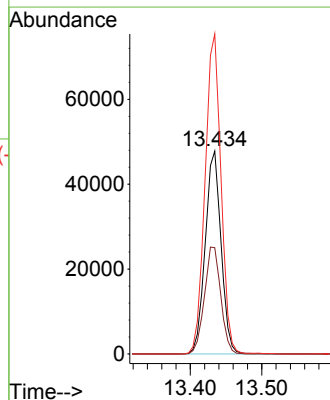
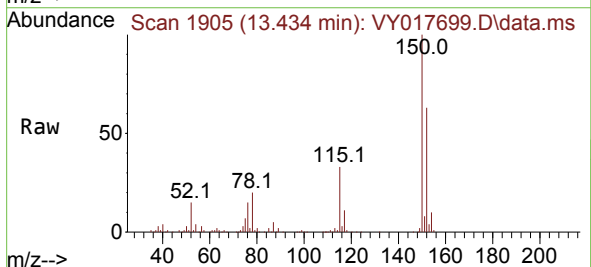
Instrument :
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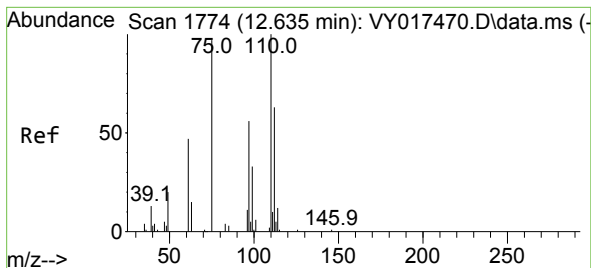
Tgt Ion:117 Resp: 190378
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 31.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

Tgt Ion:152 Resp: 73669
Ion Ratio Lower Upper
152 100
115 54.3 28.2 84.7
150 158.4 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 46.762 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017699.D

Acq: 18 Mar 2024 19:22

Instrument :

MSVOA_Y

ClientSampleId :

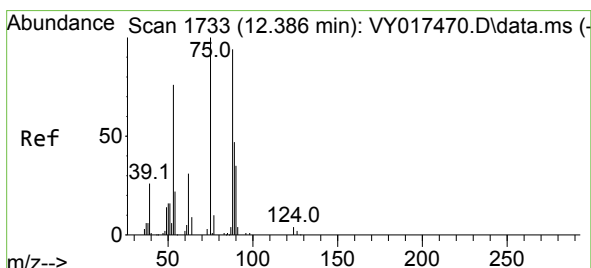
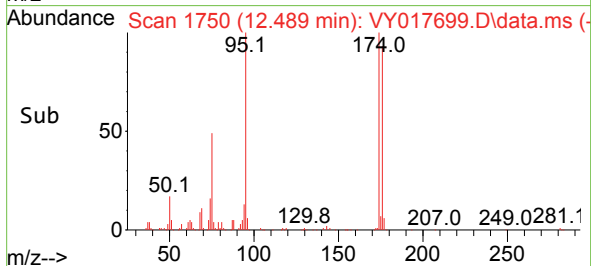
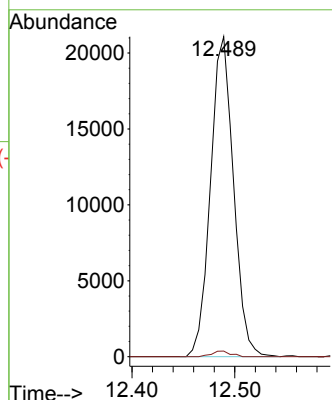
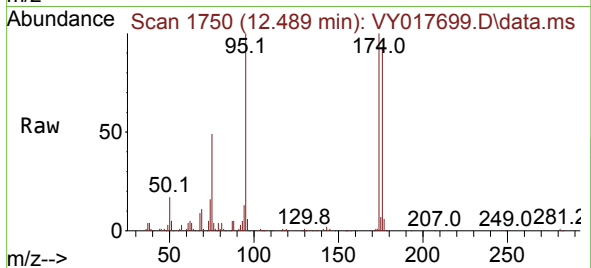
GRAB-9

Tgt Ion: 75 Resp: 32732

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.449 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017699.D

Acq: 18 Mar 2024 19:22

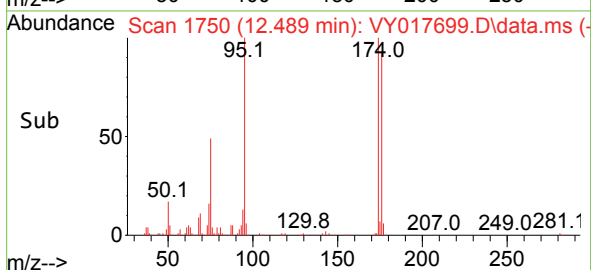
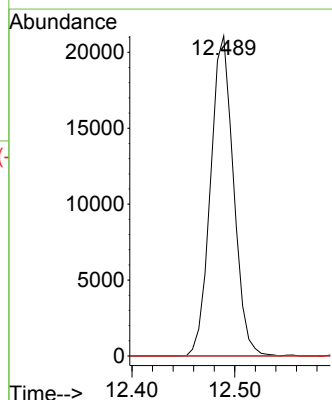
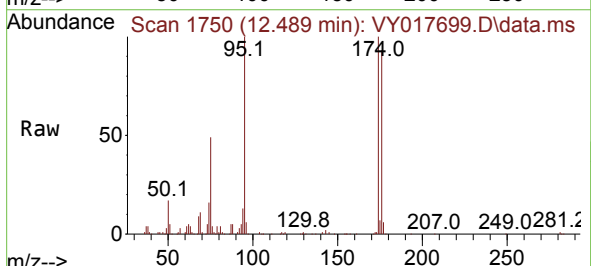
Tgt Ion: 75 Resp: 32732

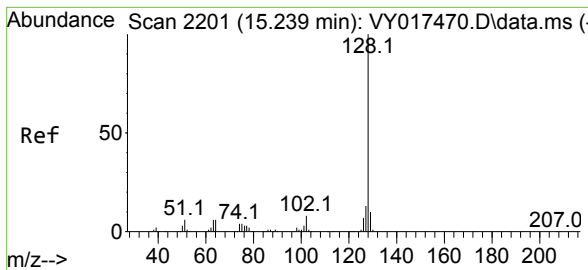
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 3.962 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY017699.D
Acq: 18 Mar 2024 19:22

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

Tgt Ion:	128	Resp:	119
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

