

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031824\
 Data File : VY017693.D
 Acq On : 18 Mar 2024 17:00
 Operator : SY/MD
 Sample : P1764-03
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-3

Quant Time: Mar 19 04:10:54 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

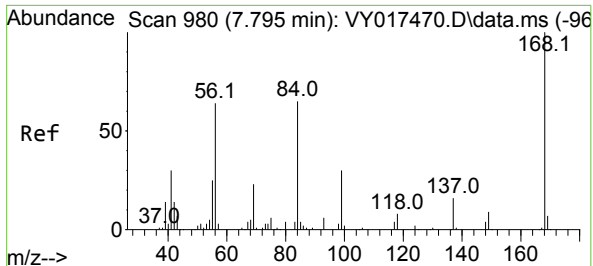
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	106623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	199184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	177463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	66513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	55290	54.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.440%	
35) Dibromofluoromethane	7.722	113	65193	46.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.940%	
50) Toluene-d8	10.185	98	226268	46.626	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.260%	
62) 4-Bromofluorobenzene	12.489	95	60701	39.800	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.600%	
Target Compounds						Qvalue
20) Methylene Chloride	4.722	84	11190	4.761	ug/l	94
31) Cyclohexane	7.795	56	1934	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7883	4.209	ug/l #	47
38) Carbon Tetrachloride	7.795	117	10005	5.331	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	796	1.099	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	30222	47.822	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	30222	109.883	ug/l #	16
95) Naphthalene	15.251	128	196	4.001	ug/l #	69

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

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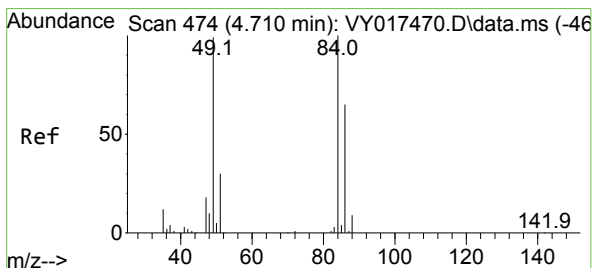
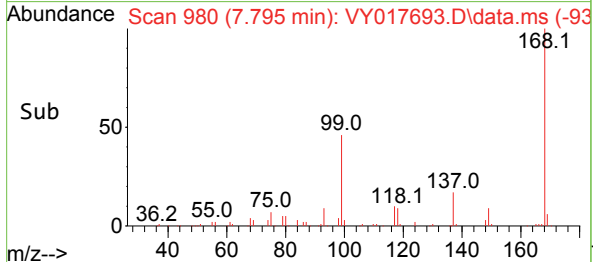
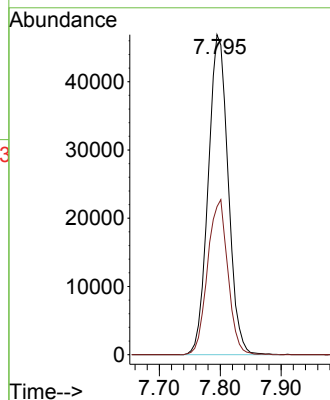
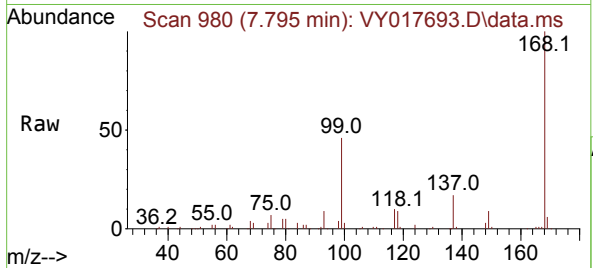




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

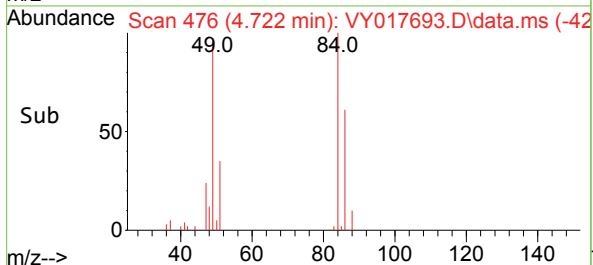
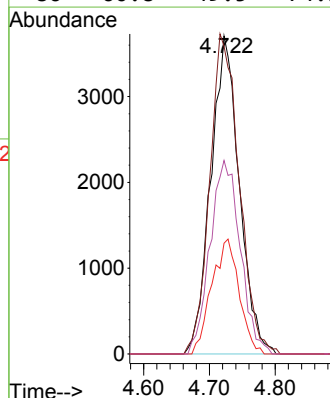
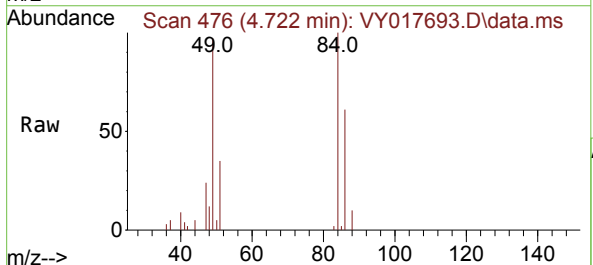
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

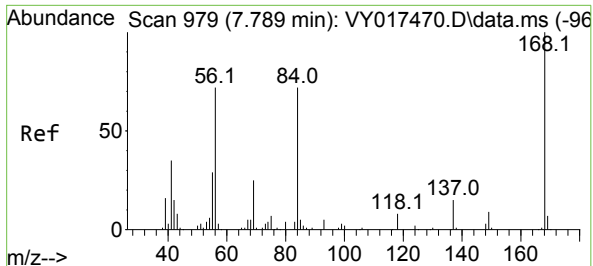
Tgt Ion:168 Resp: 106623
Ion Ratio Lower Upper
168 100
99 46.2 39.1 58.7



#20
Methylene Chloride
Concen: 4.761 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion: 84 Resp: 11190
Ion Ratio Lower Upper
84 100
49 96.8 84.4 126.6
51 34.8 26.0 39.0
86 60.8 49.5 74.3

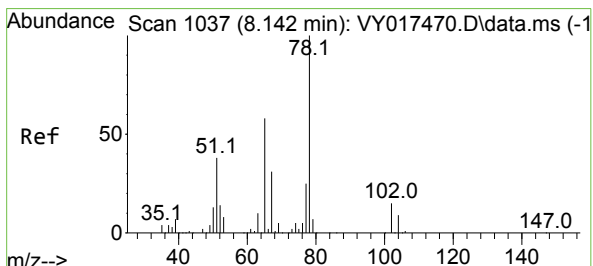
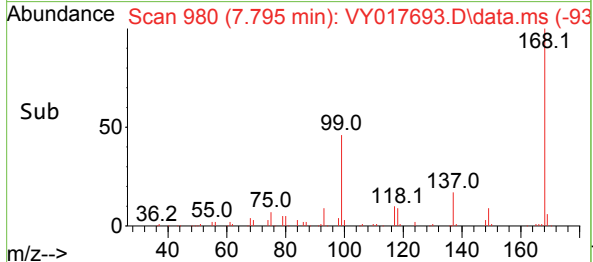
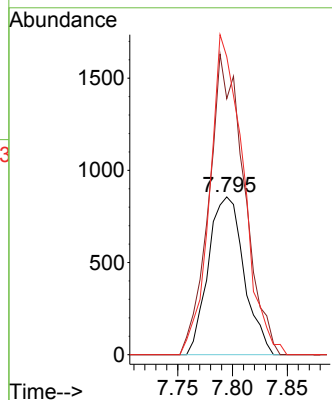
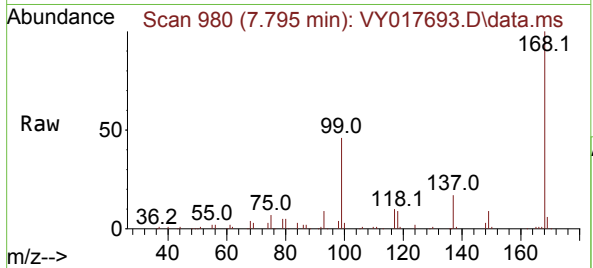




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

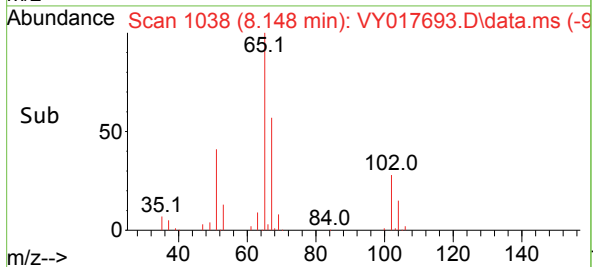
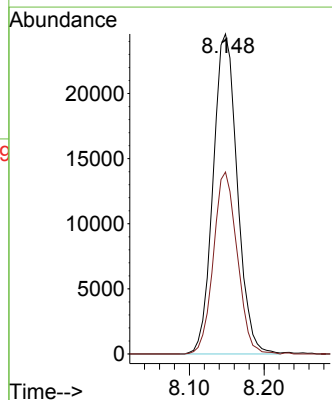
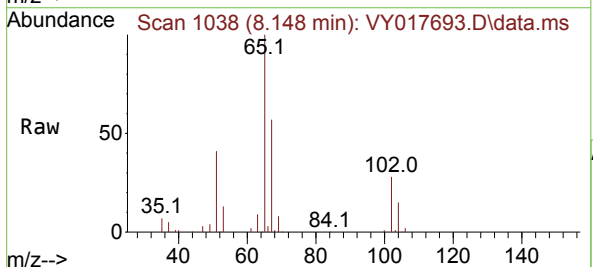
Instrument :
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ClientSampleId :
GRAB-3

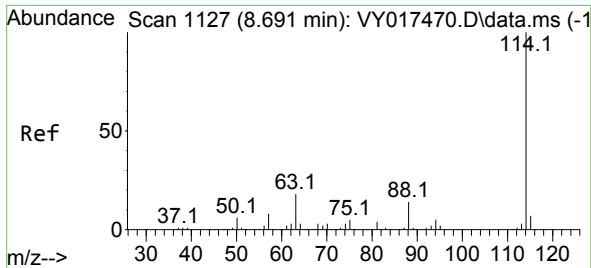
Tgt Ion: 56 Resp: 1934
Ion Ratio Lower Upper
56 100
69 162.3 28.7 43.1#
84 188.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 54.716 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion: 65 Resp: 55290
Ion Ratio Lower Upper
65 100
67 55.9 0.0 109.6

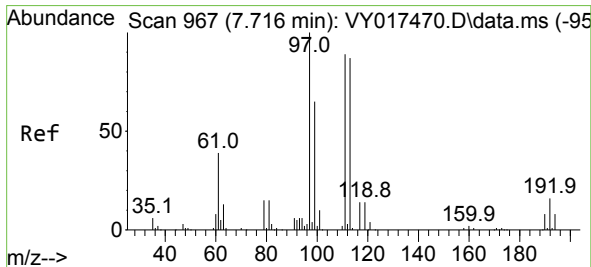
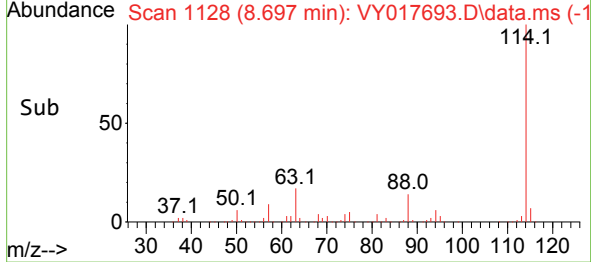
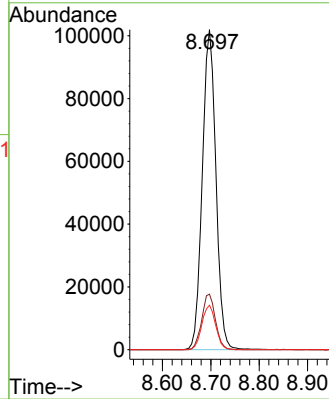
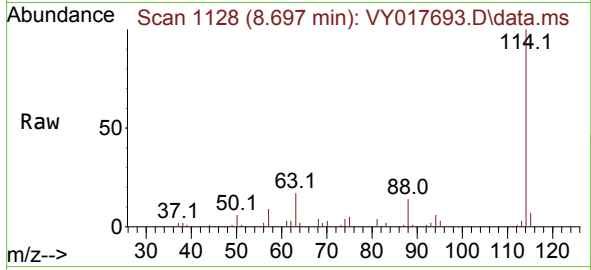




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

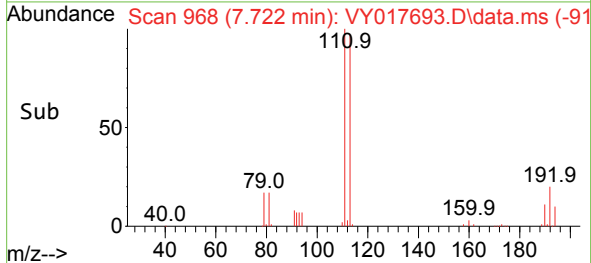
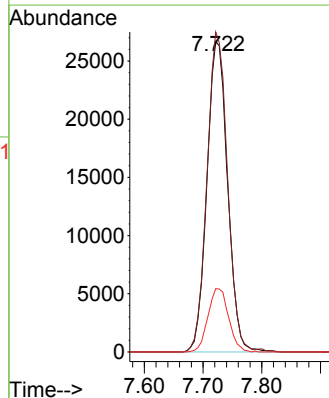
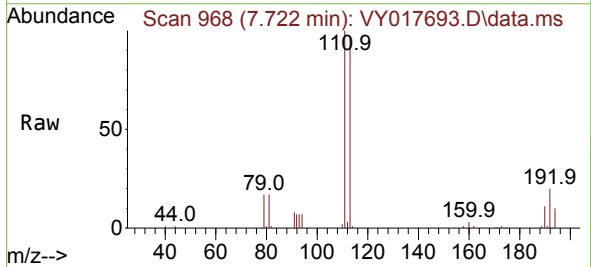
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

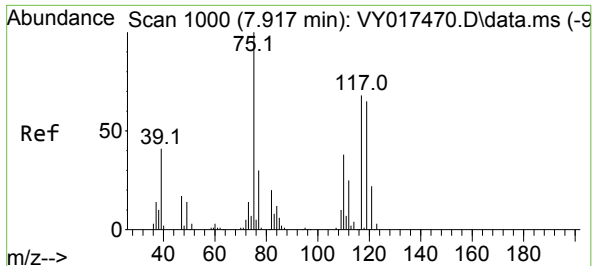
Tgt Ion:114 Resp: 199184
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.0
88 13.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 46.970 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion:113 Resp: 65193
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 20.4 15.9 23.9

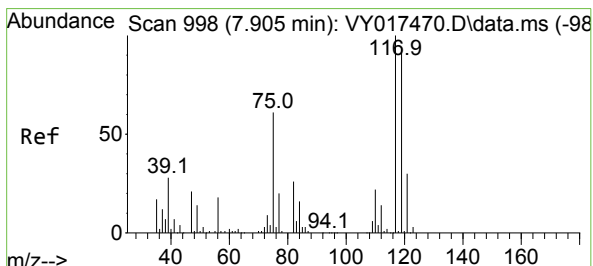
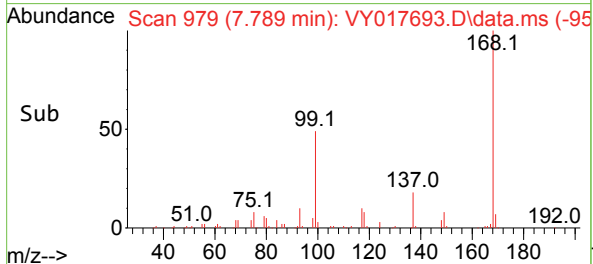
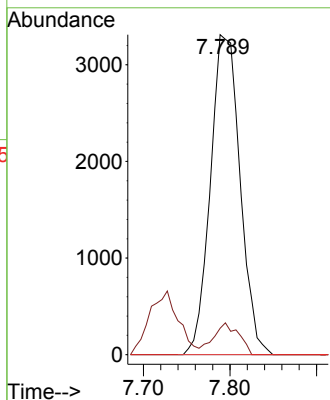
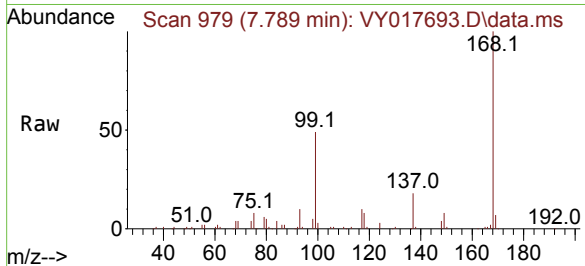




#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

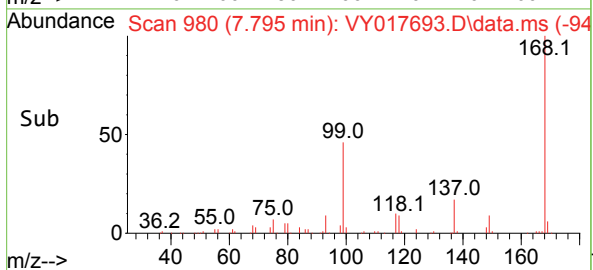
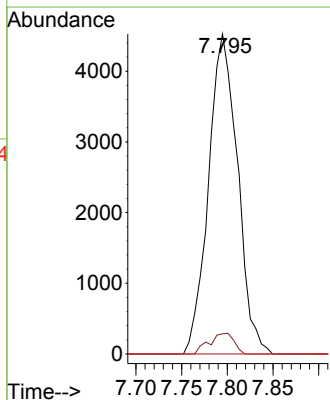
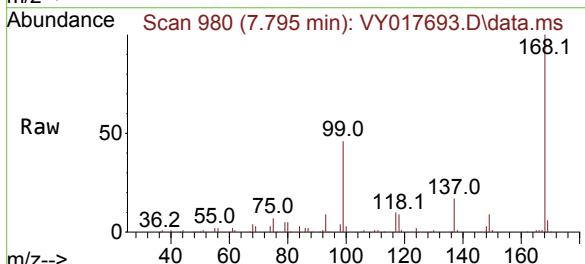
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

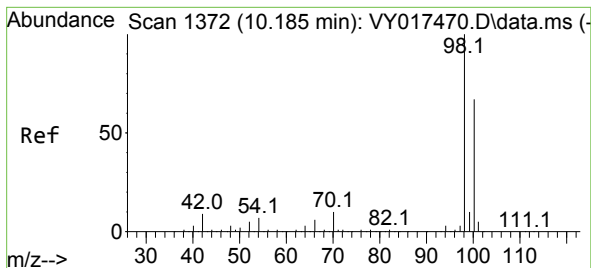
Tgt Ion: 75 Resp: 7883
Ion Ratio Lower Upper
75 100
110 8.5 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion: 117 Resp: 10005
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.0 36.0#

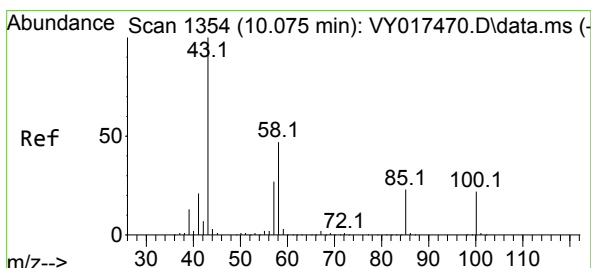
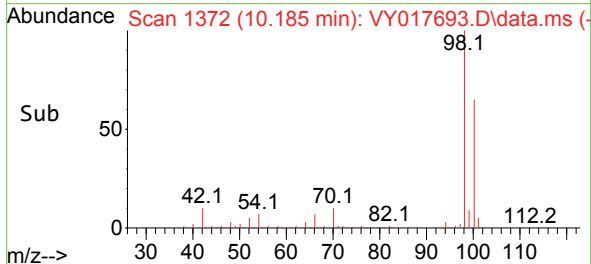
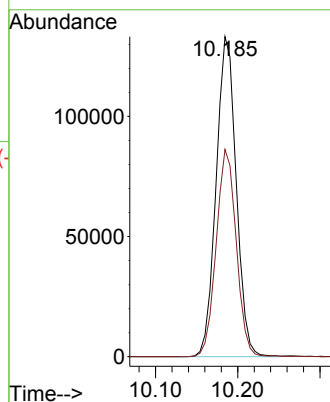
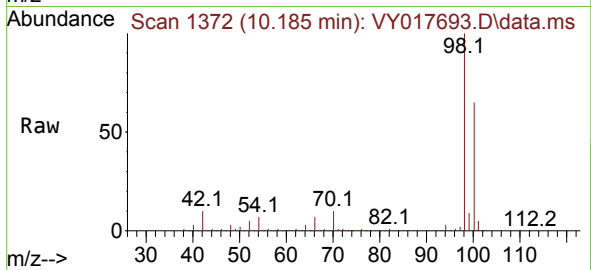




#50
Toluene-d8
Concen: 46.626 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

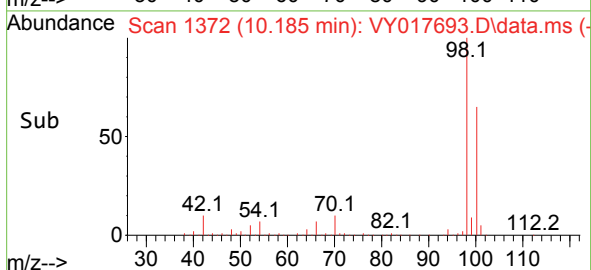
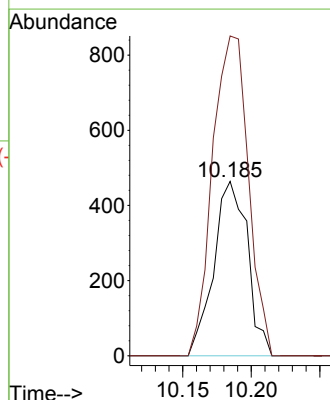
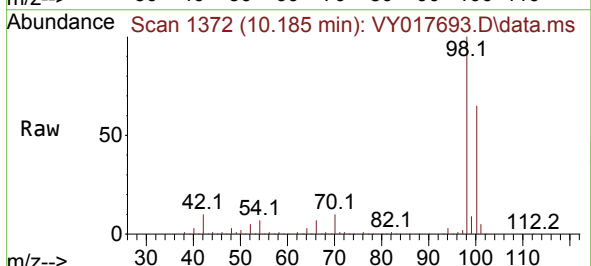
Instrument :
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GRAB-3

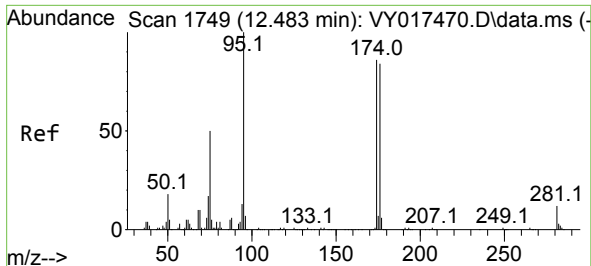
Tgt Ion: 98 Resp: 226268
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.099 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 194.7 35.7 53.5#

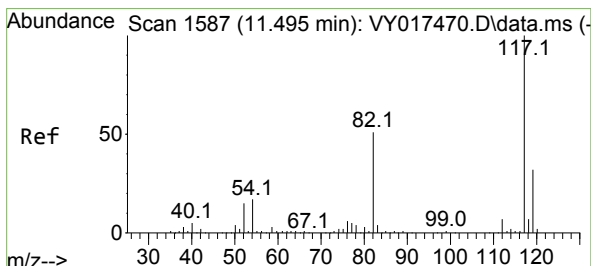
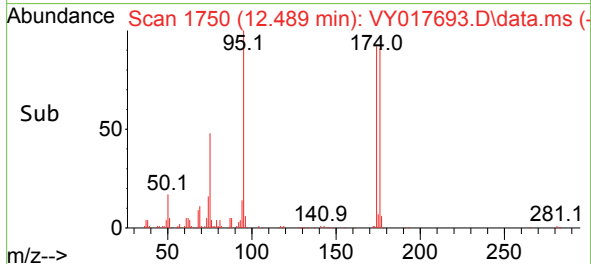
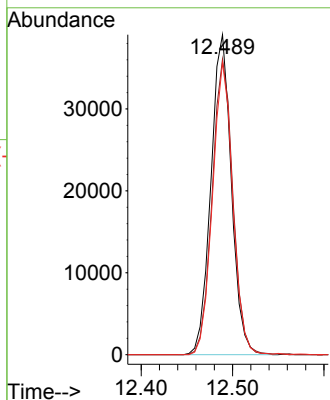
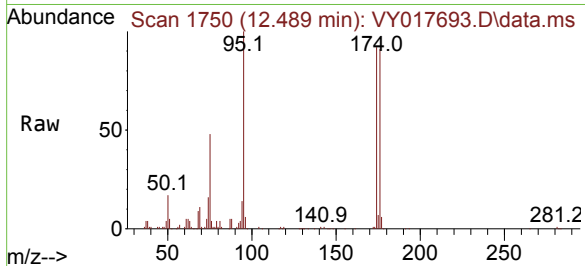




#62
4-Bromofluorobenzene
Concen: 39.800 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

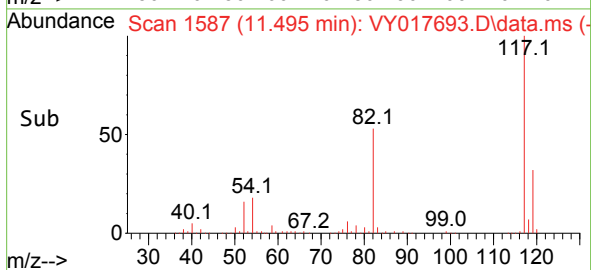
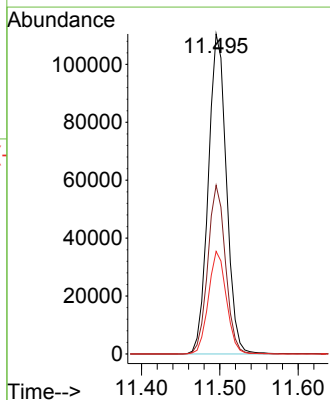
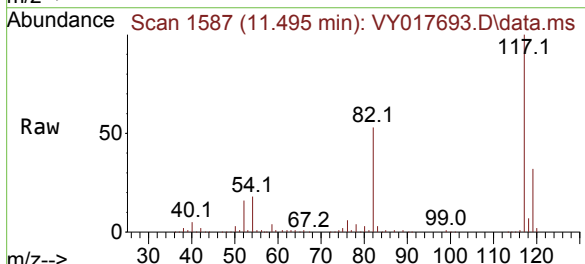
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MSVOA_Y
ClientSampleId :
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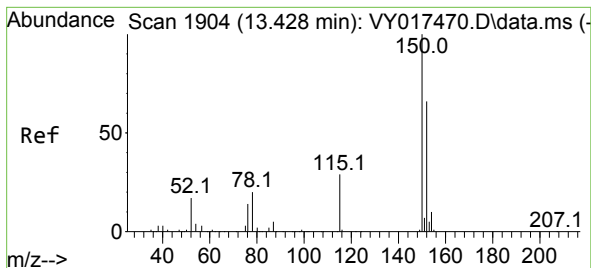
Tgt Ion: 95 Resp: 60701
Ion Ratio Lower Upper
95 100
174 93.7 0.0 175.6
176 90.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion: 117 Resp: 177463
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 32.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY017693.D

Acq: 18 Mar 2024 17:00

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-3

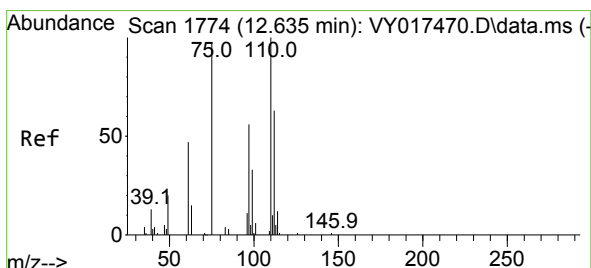
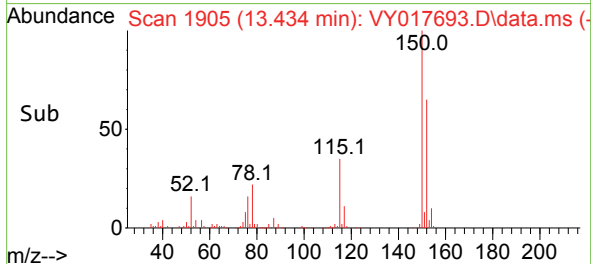
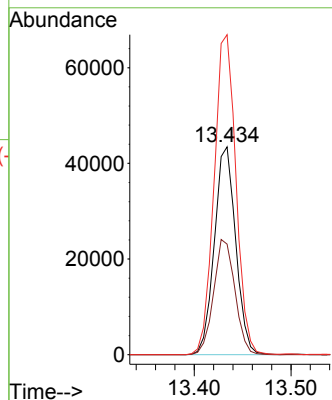
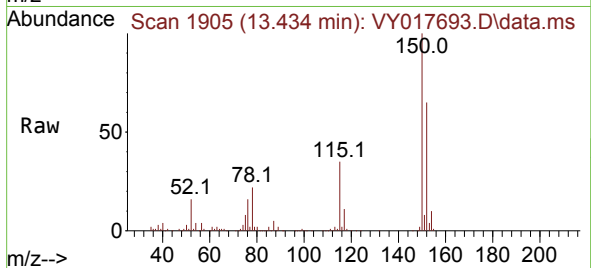
Tgt Ion:152 Resp: 66513

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 157.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 47.822 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.147 min

Lab File: VY017693.D

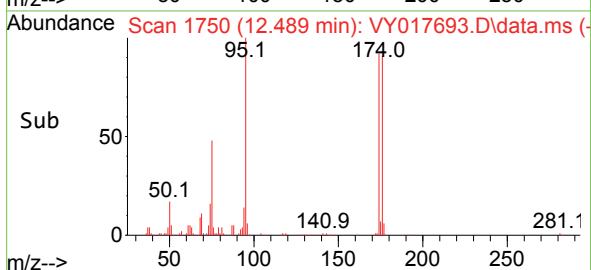
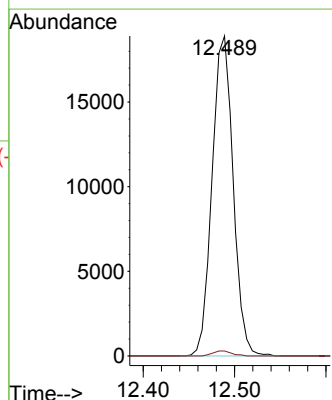
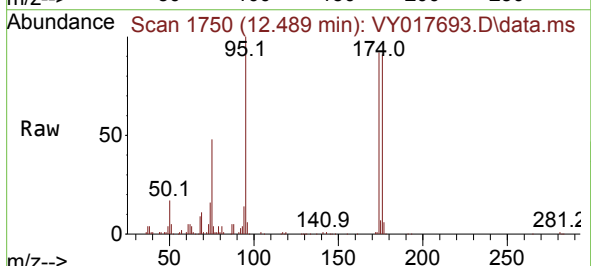
Acq: 18 Mar 2024 17:00

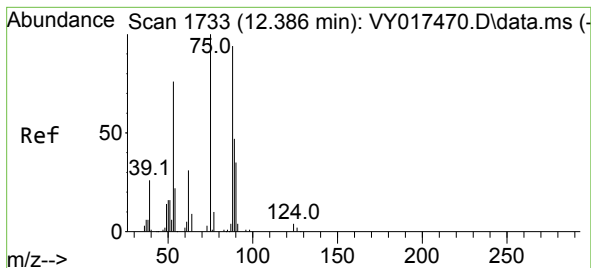
Tgt Ion: 75 Resp: 30222

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

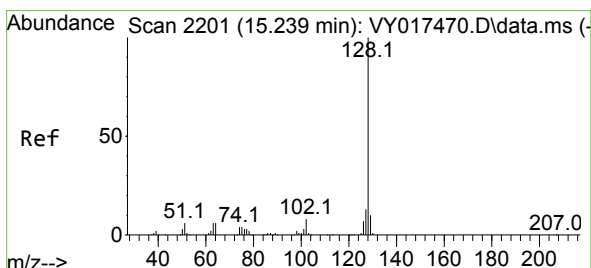
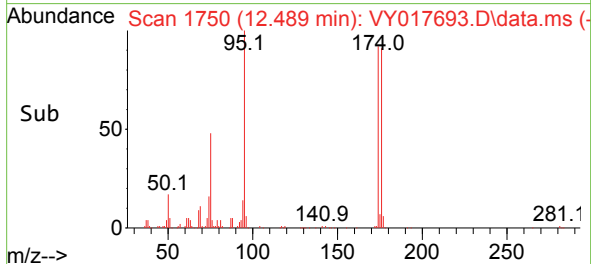
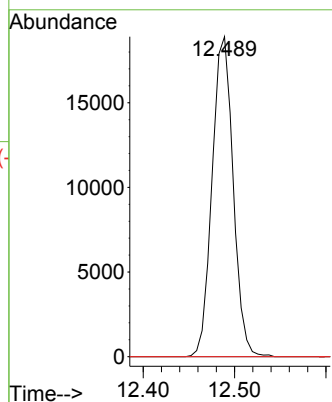
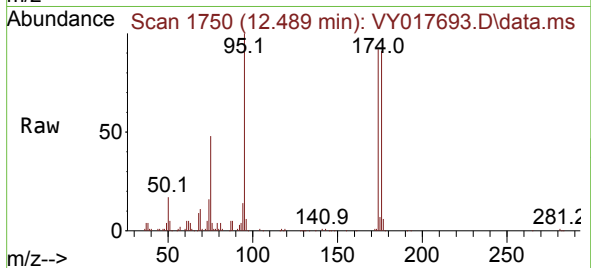




#81
trans-1,4-Dichloro-2-butene
Concen: 109.883 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-3

Tgt Ion: 75 Resp: 30222
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.001 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.012 min
Lab File: VY017693.D
Acq: 18 Mar 2024 17:00

Tgt Ion:128 Resp: 196
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

