

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031824\
 Data File : VY017692.D
 Acq On : 18 Mar 2024 16:37
 Operator : SY/MD
 Sample : P1764-02
 Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-2

Quant Time: Mar 19 04:10:33 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)

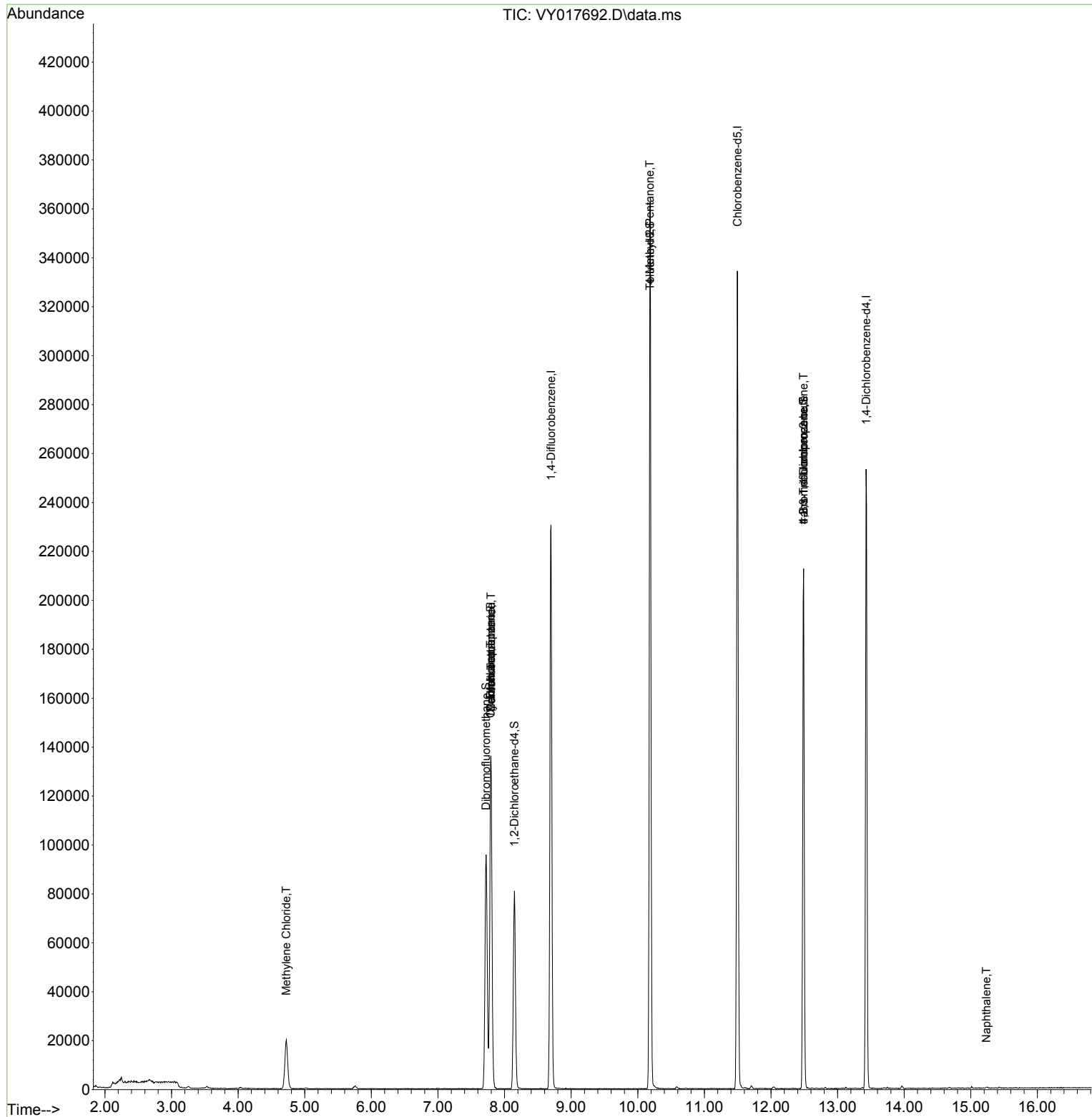
Internal Standards						
1) Pentafluorobenzene	7.795	168	112388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	211359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	187810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60245	56.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.120%
35) Dibromofluoromethane	7.722	113	69411	47.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.260%
50) Toluene-d8	10.185	98	242088	47.012	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.020%
62) 4-Bromofluorobenzene	12.489	95	64293	39.727	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.460%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.723	84	15472	8.163	ug/l	92
31) Cyclohexane	7.789	56	2242	1.293	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	8146	4.099	ug/l #	48
38) Carbon Tetrachloride	7.795	117	10651	5.348	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	825	1.073	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	32599	49.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	32599	113.713	ug/l #	16
95) Naphthalene	15.233	128	555	4.150	ug/l #	69

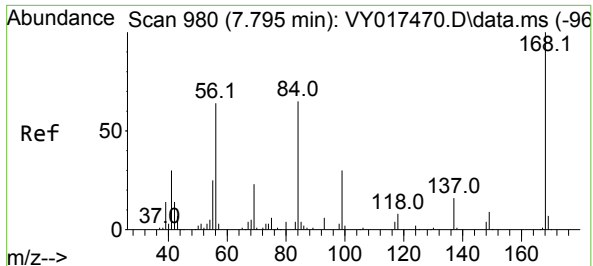
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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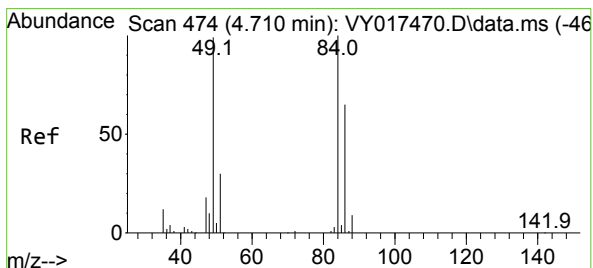
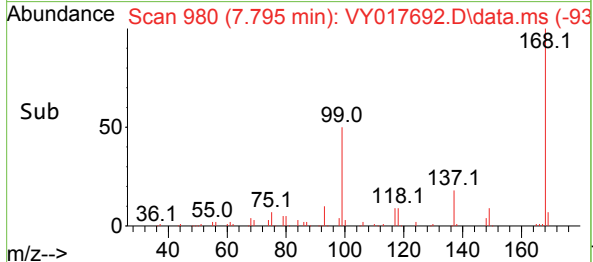
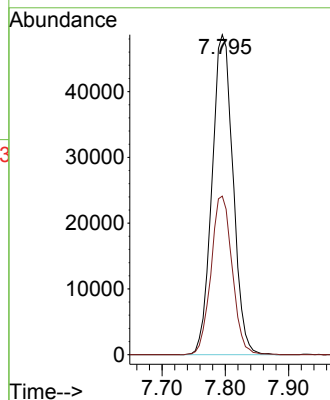
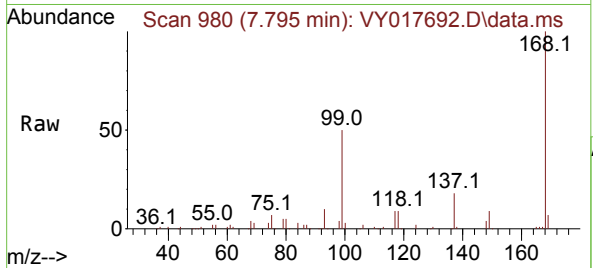




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

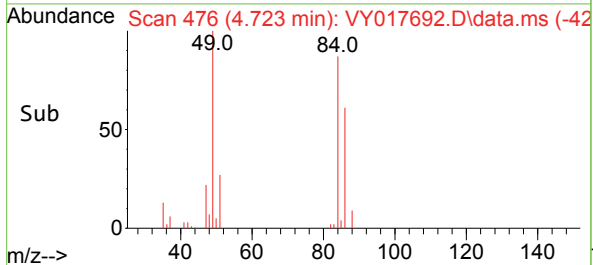
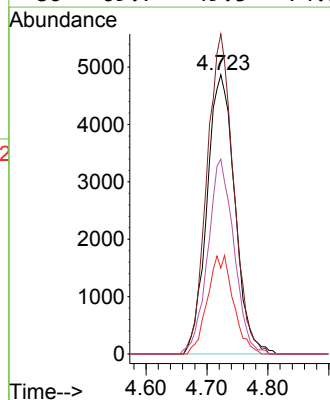
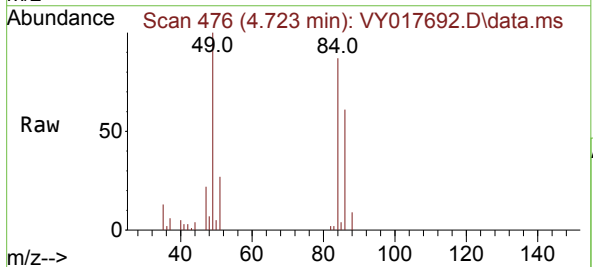
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

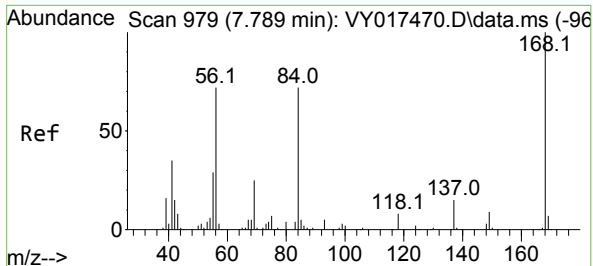
Tgt Ion:168 Resp: 112388
Ion Ratio Lower Upper
168 100
99 49.5 39.1 58.7



#20
Methylene Chloride
Concen: 8.163 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.013 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Tgt Ion: 84 Resp: 15472
Ion Ratio Lower Upper
84 100
49 114.6 84.4 126.6
51 30.8 26.0 39.0
86 69.7 49.5 74.3

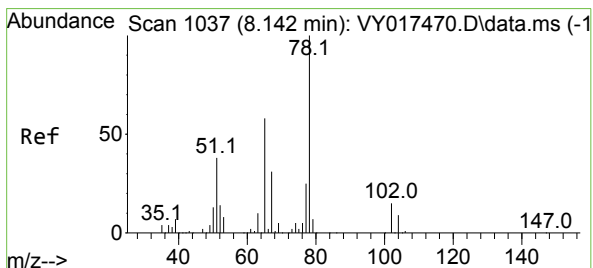
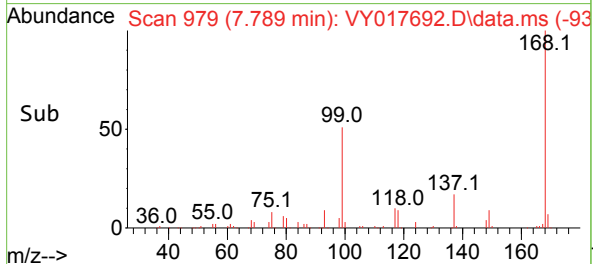
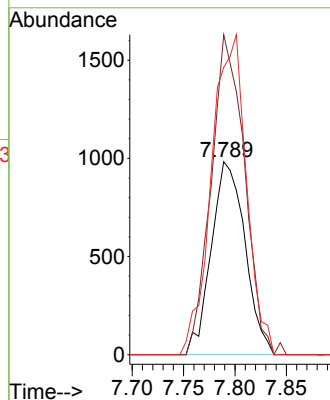
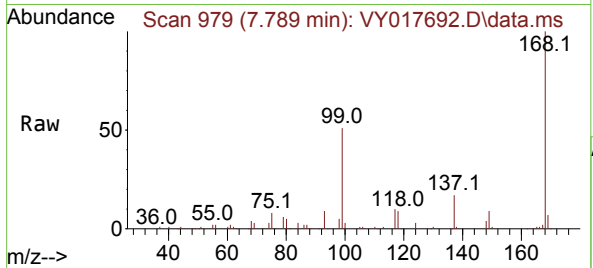




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

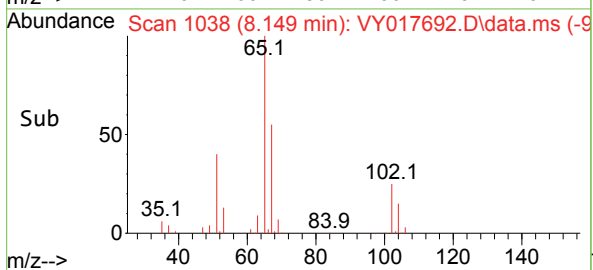
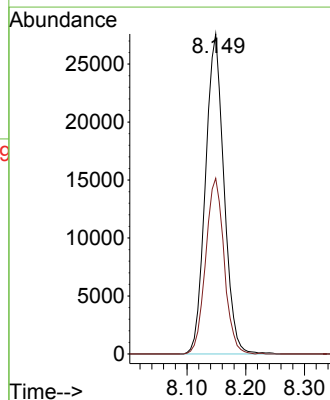
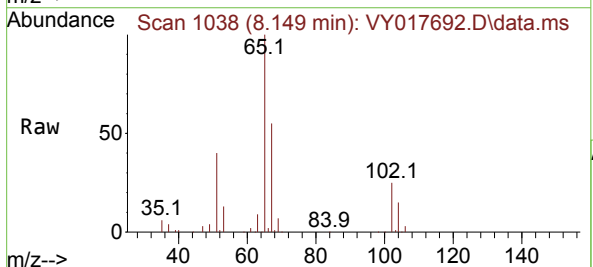
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

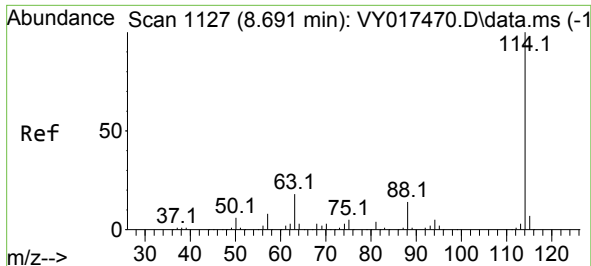
Tgt Ion: 56 Resp: 2242
Ion Ratio Lower Upper
56 100
69 165.7 28.7 43.1#
84 148.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.561 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Tgt Ion: 65 Resp: 60245
Ion Ratio Lower Upper
65 100
67 54.8 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: VY017692.D

Acq: 18 Mar 2024 16:37

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-2

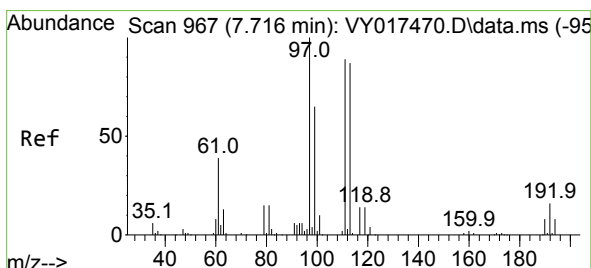
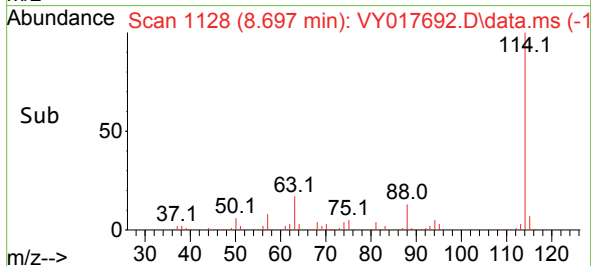
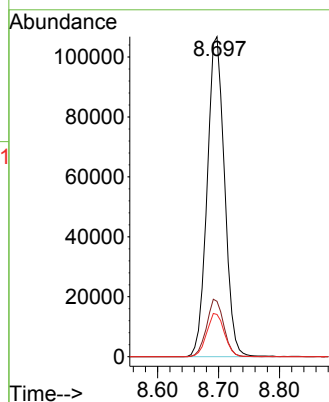
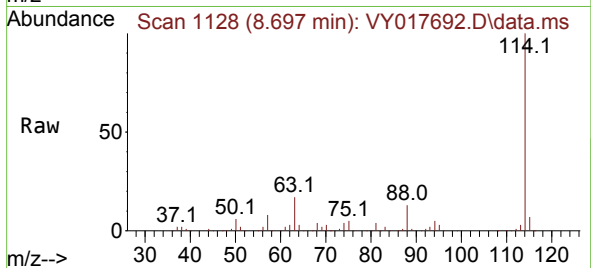
Tgt Ion:114 Resp: 211359

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.128 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017692.D

Acq: 18 Mar 2024 16:37

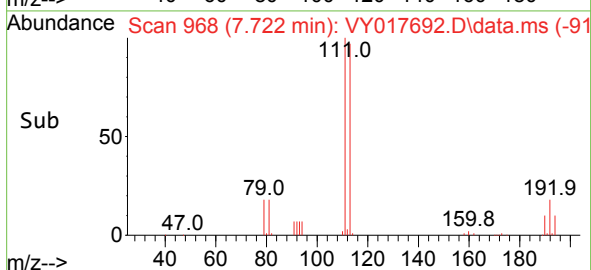
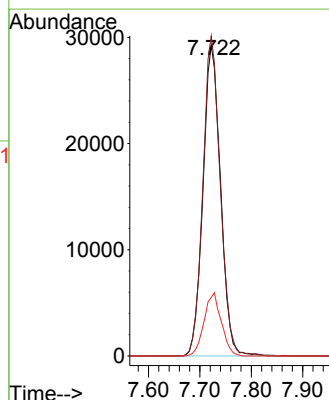
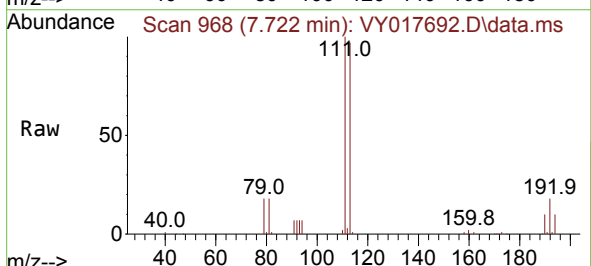
Tgt Ion:113 Resp: 69411

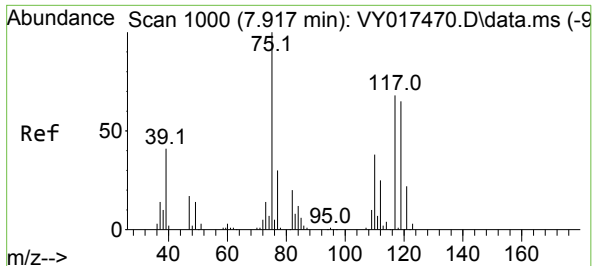
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 19.9 15.9 23.9

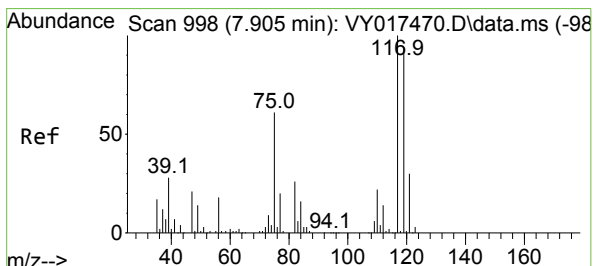
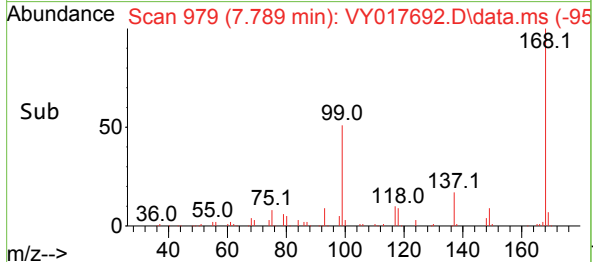
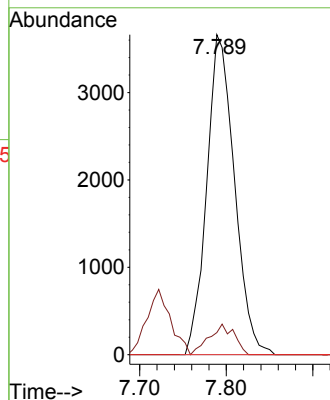
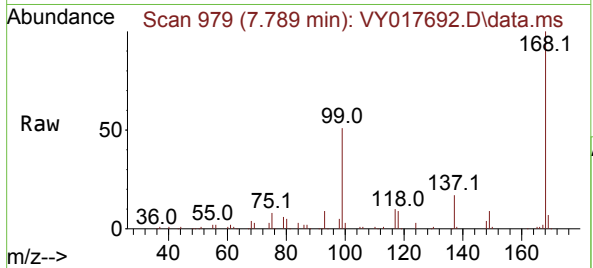




#36
1,1-Dichloropropene
Concen: 4.099 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

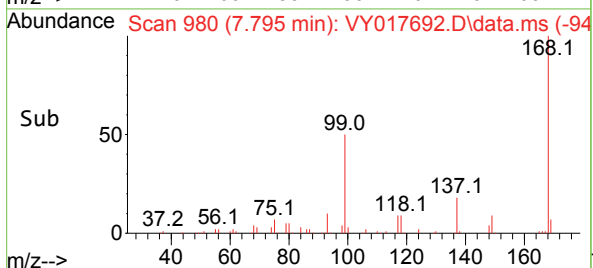
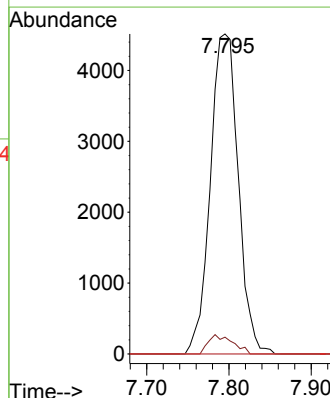
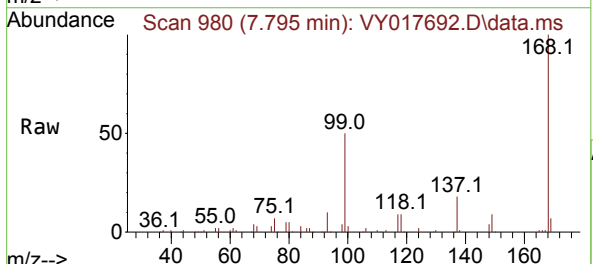
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

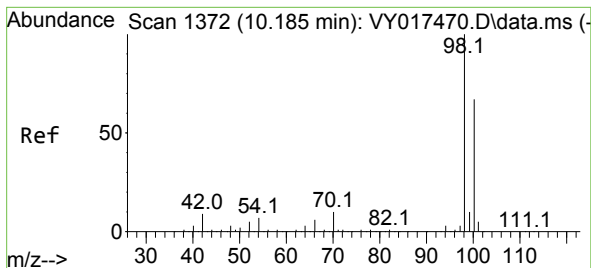
Tgt Ion: 75 Resp: 8146
Ion Ratio Lower Upper
75 100
110 8.6 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.109 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Tgt Ion: 117 Resp: 10651
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#

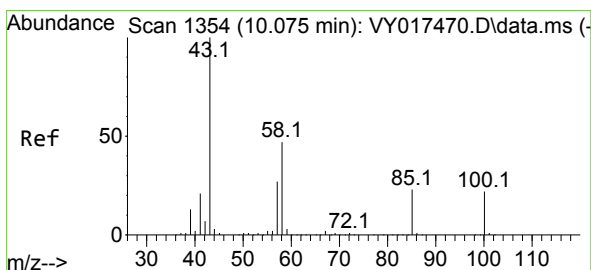
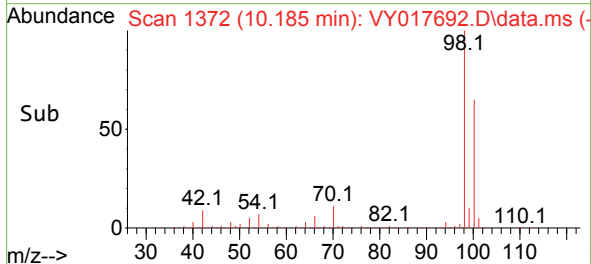
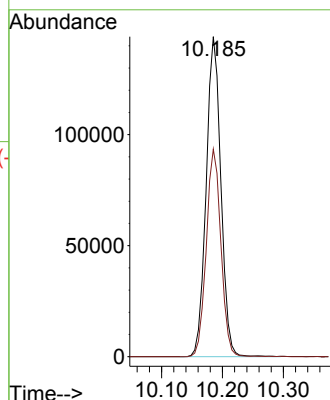
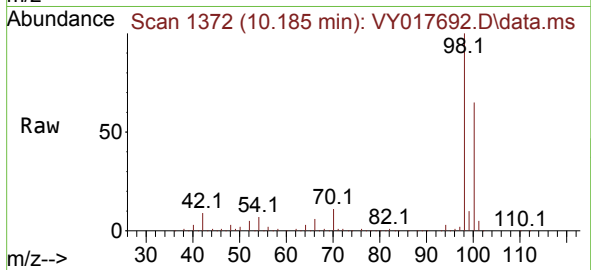




#50
Toluene-d8
Concen: 47.012 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

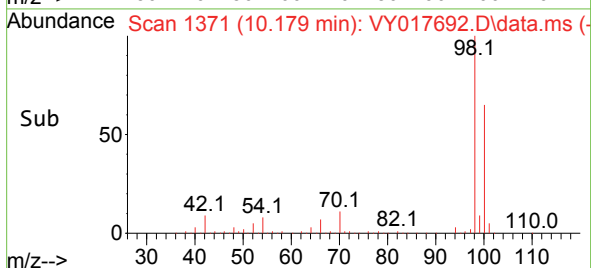
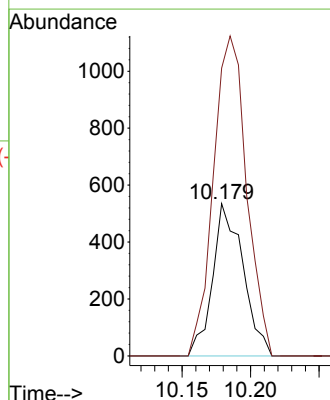
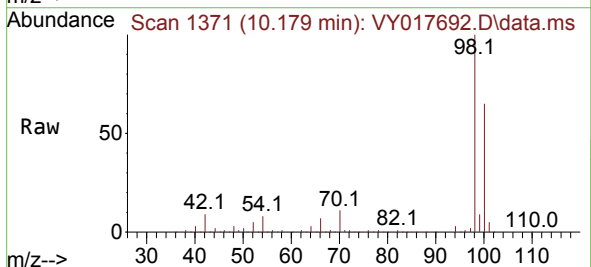
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

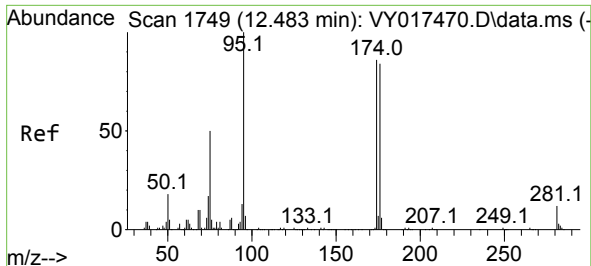
Tgt Ion: 98 Resp: 242088
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.073 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
58 229.7 35.7 53.5#

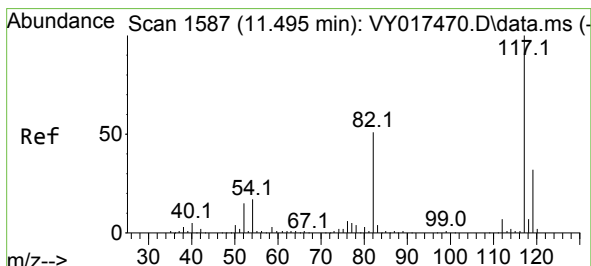
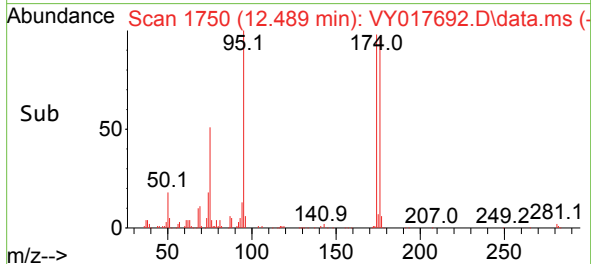
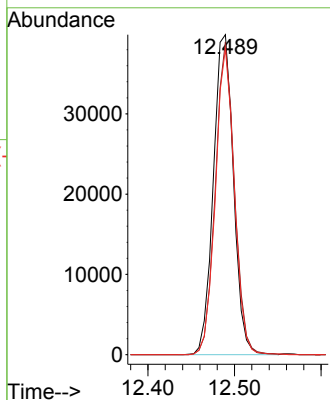
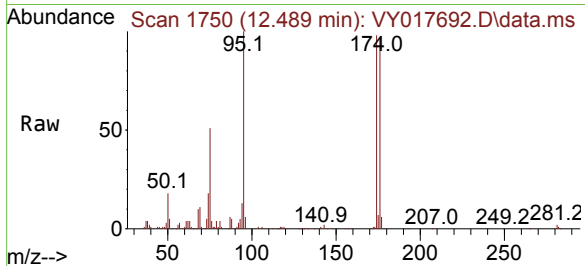




#62
4-Bromofluorobenzene
Concen: 39.727 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

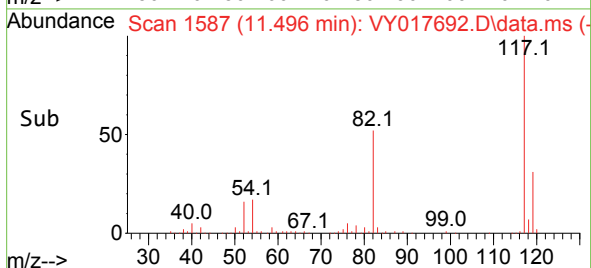
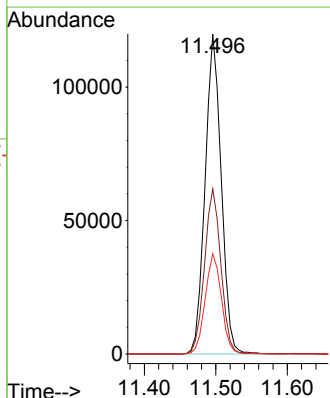
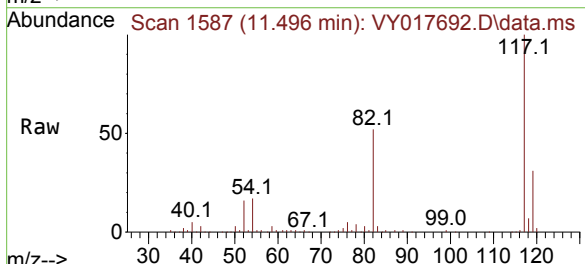
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

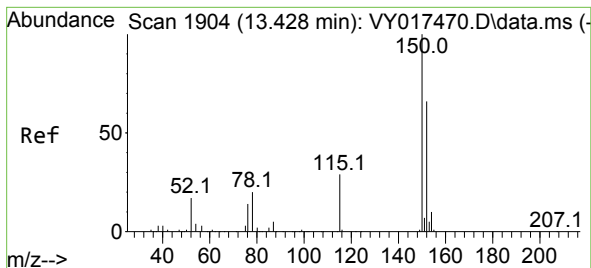
Tgt Ion: 95 Resp: 64293
Ion Ratio Lower Upper
95 100
174 92.7 0.0 175.6
176 90.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Tgt Ion: 117 Resp: 187810
Ion Ratio Lower Upper
117 100
82 51.6 42.4 63.6
119 31.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017692.D

Acq: 18 Mar 2024 16:37

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-2

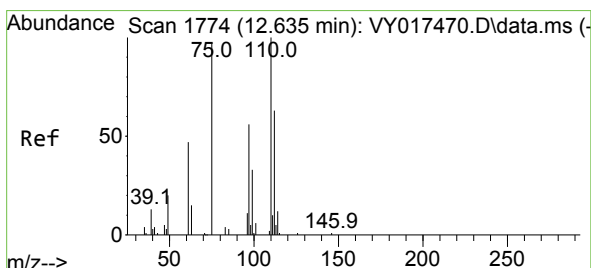
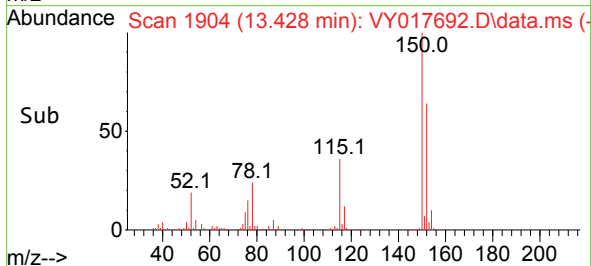
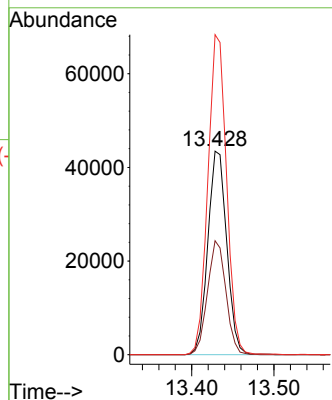
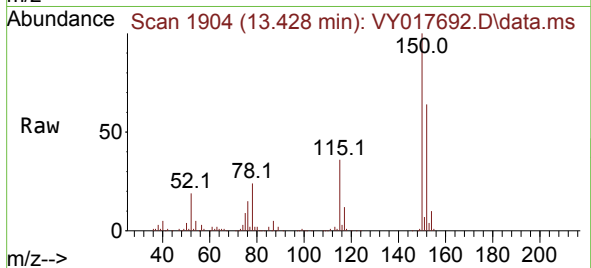
Tgt Ion:152 Resp: 69328

Ion Ratio Lower Upper

152 100

115 54.6 28.2 84.7

150 155.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 49.488 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017692.D

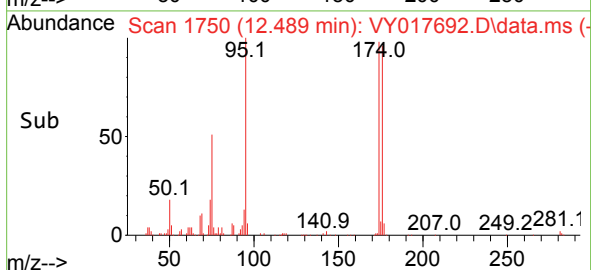
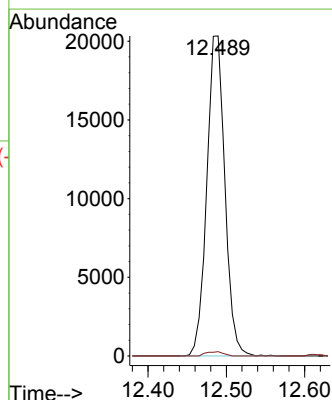
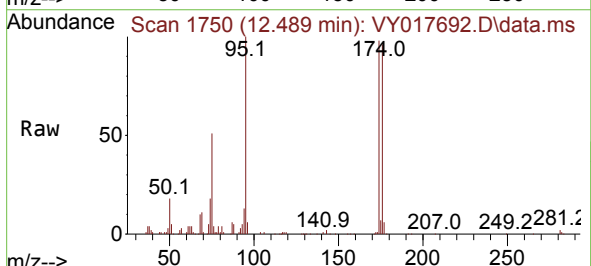
Acq: 18 Mar 2024 16:37

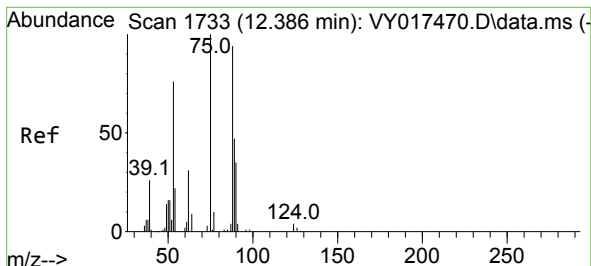
Tgt Ion: 75 Resp: 32599

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

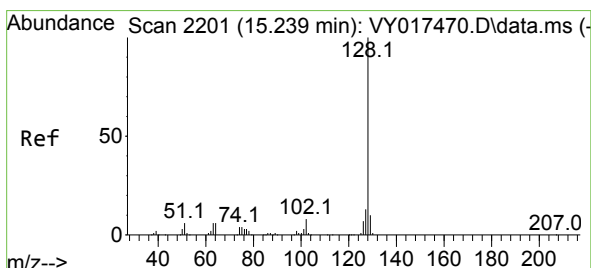
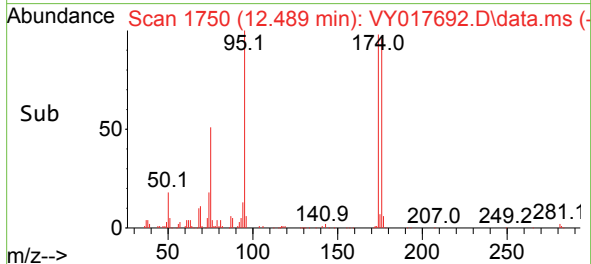
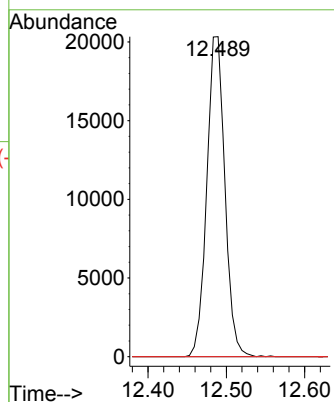
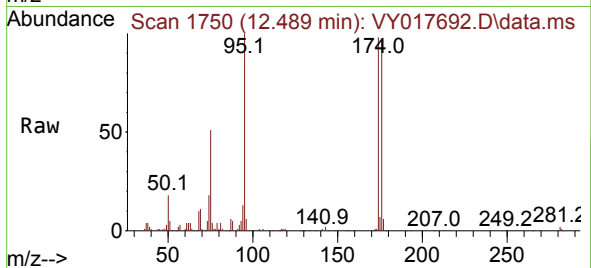




#81
trans-1,4-Dichloro-2-butene
Concen: 113.713 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-2

Tgt Ion: 75 Resp: 32599
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.150 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY017692.D
Acq: 18 Mar 2024 16:37

Tgt Ion: 128 Resp: 555
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

