

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY017994.D
 Acq On : 19 Apr 2024 13:23
 Operator : SY/MD
 Sample : P2147-13
 Misc : 4.64g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GRAB-9

Quant Time: Apr 19 23:24:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

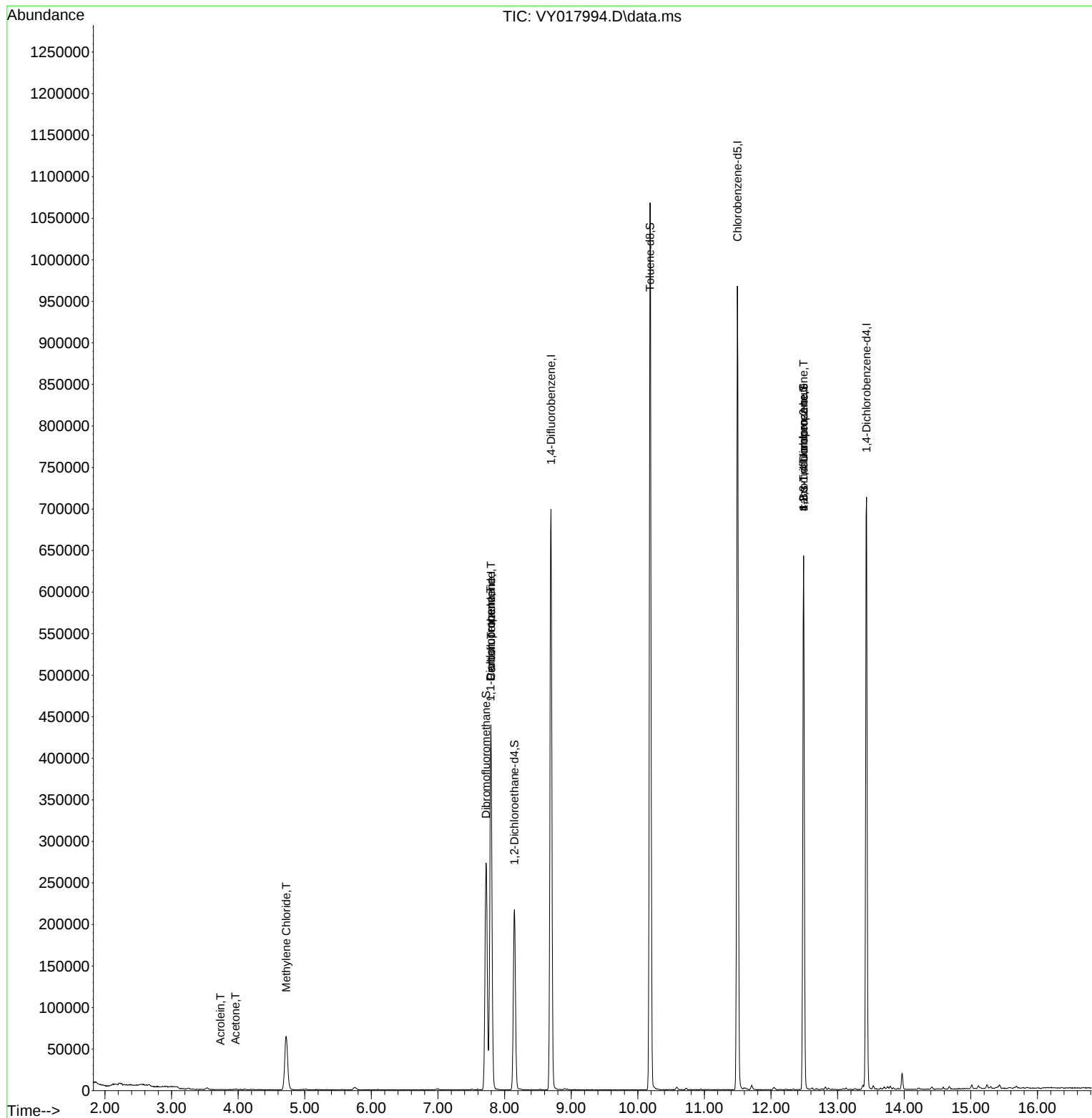
Internal Standards						
1) Pentafluorobenzene	7.795	168	366943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	640595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	560820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	200443	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	167490	52.75	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.50%
35) Dibromofluoromethane	7.722	113	201622	51.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.04%
50) Toluene-d8	10.185	98	730376	48.70	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.40%
62) 4-Bromofluorobenzene	12.489	95	196500	42.31	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.62%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	152	Below Cal	#	88
13) Acrolein	3.735	56	257	1.04 ug/l	#	74
16) Acetone	3.960	43	1390	2.22 ug/l	#	86
20) Methylene Chloride	4.722	84	54248	12.76 ug/l		99
36) 1,1-Dichloropropene	7.789	75	24604	4.28 ug/l	#	47
38) Carbon Tetrachloride	7.795	117	32295	5.56 ug/l	#	17
76) 1,2,3-Trichloropropane	12.489	75	94323	50.15 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.489	75	94323	103.39 ug/l	#	16

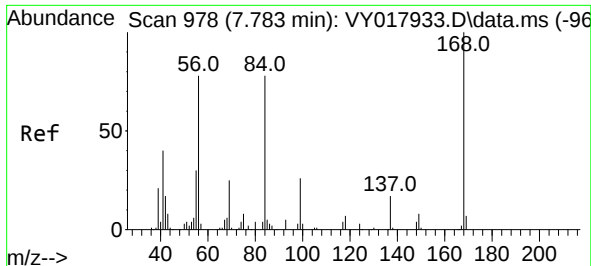
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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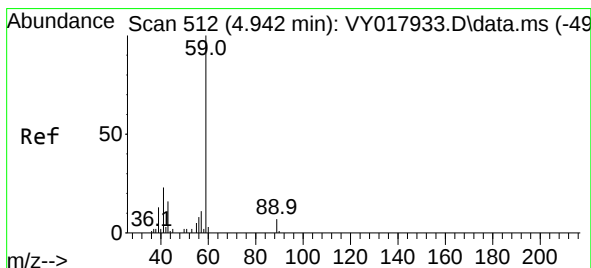
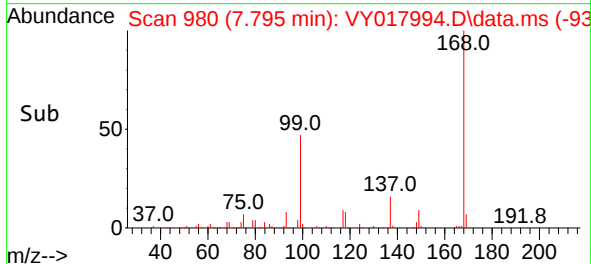
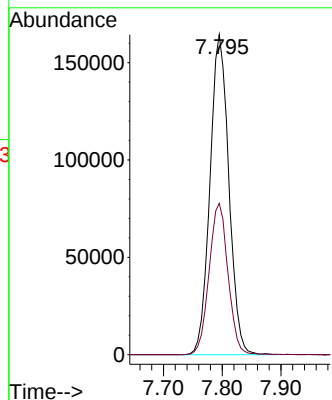
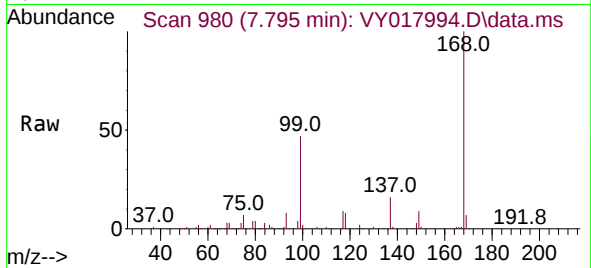




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

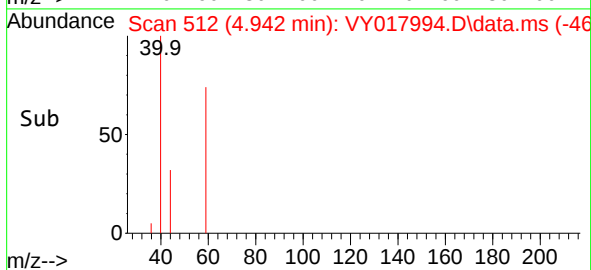
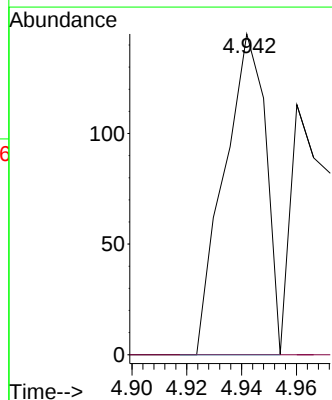
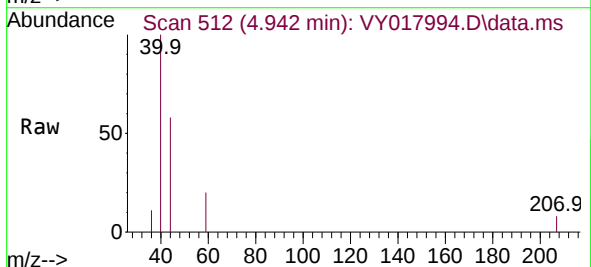
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

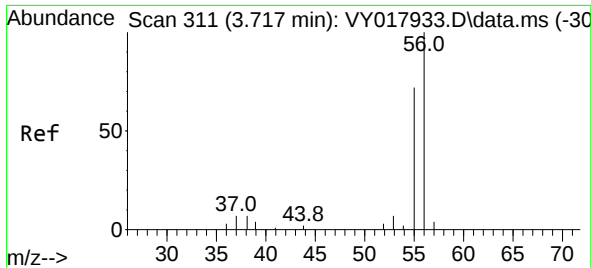
Tgt Ion:168 Resp: 366943
Ion Ratio Lower Upper
168 100
99 47.3 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

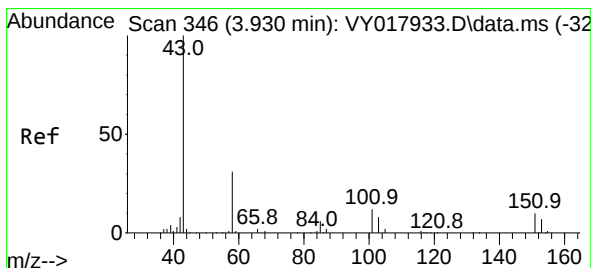
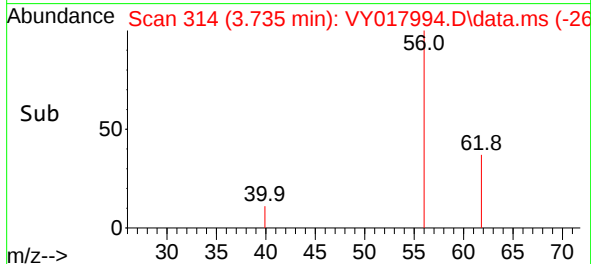
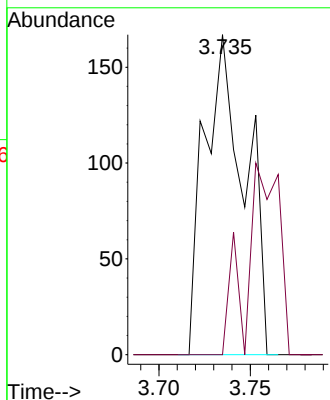
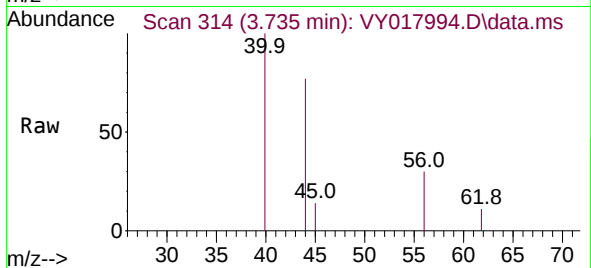




#13
Acrolein
Concen: 1.04 ug/l
RT: 3.735 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

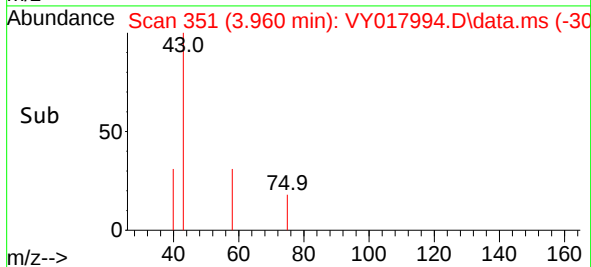
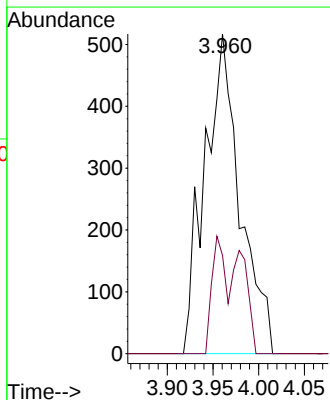
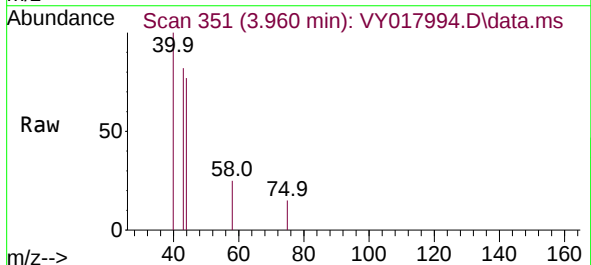
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

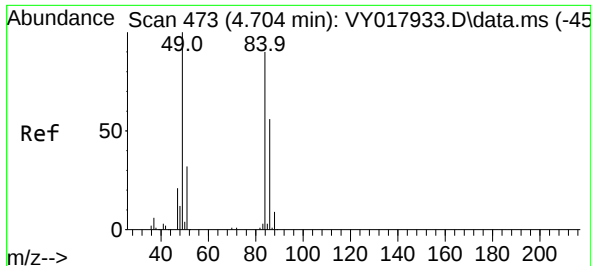
Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 48.2 55.7 83.5#



#16
Acetone
Concen: 2.22 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
58 30.8 31.7 47.5#

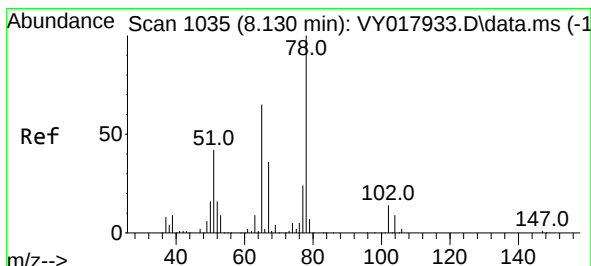
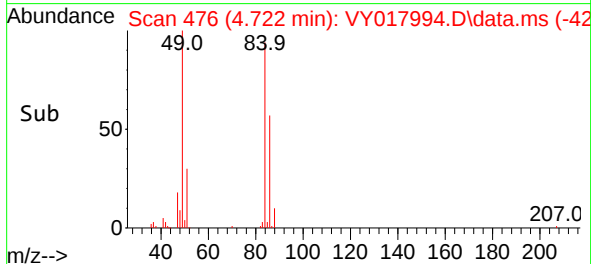
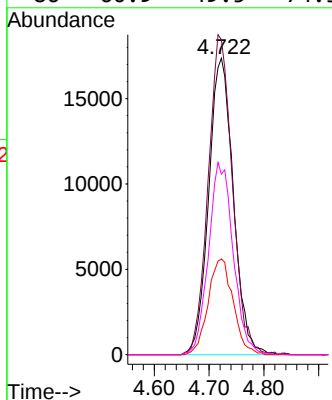
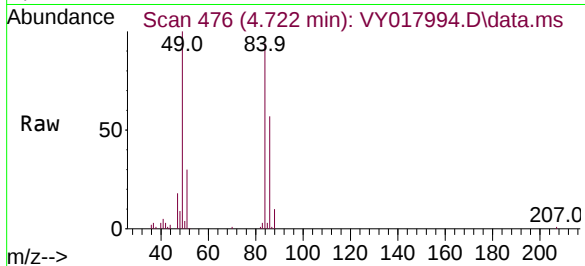




#20
Methylene Chloride
Concen: 12.76 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

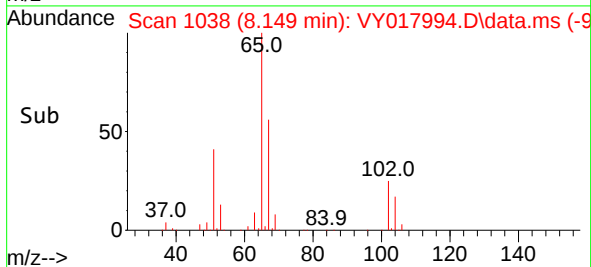
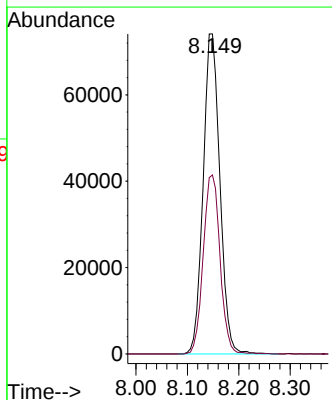
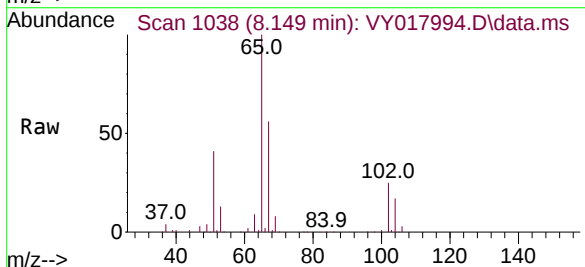
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

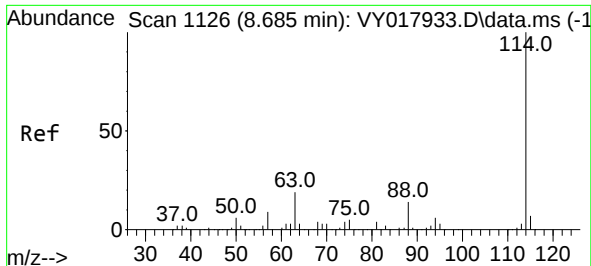
Tgt Ion:	84	Resp:	54248
Ion	Ratio	Lower	Upper
84	100		
49	106.2	84.4	126.6
51	32.3	26.0	39.0
86	60.9	49.5	74.3



#33
1,2-Dichloroethane-d4
Concen: 52.75 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

Tgt Ion:	65	Resp:	167490
Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	109.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY017994.D

Acq: 19 Apr 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

GRAB-9

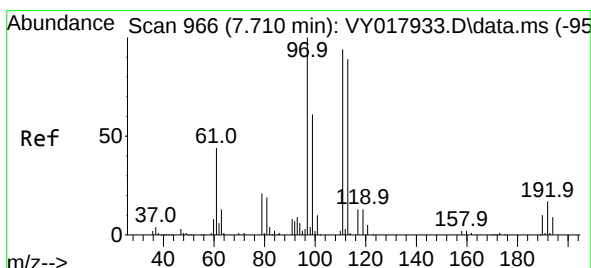
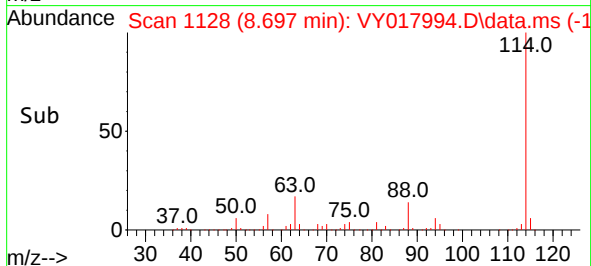
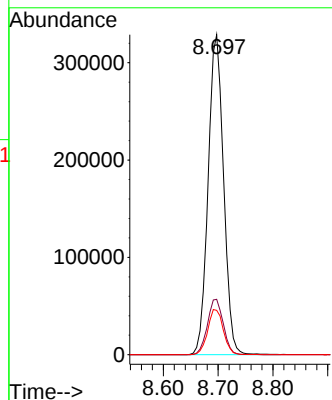
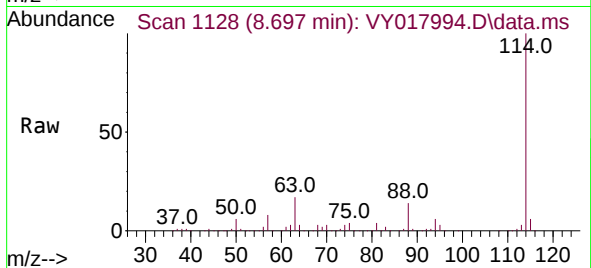
Tgt Ion:114 Resp: 640595

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.02 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY017994.D

Acq: 19 Apr 2024 13:23

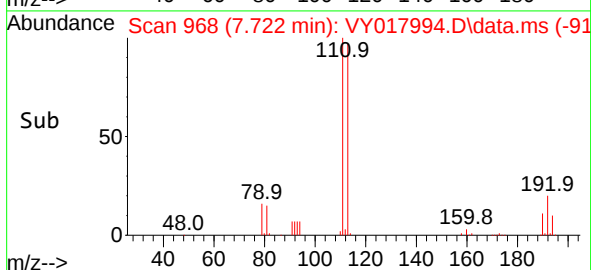
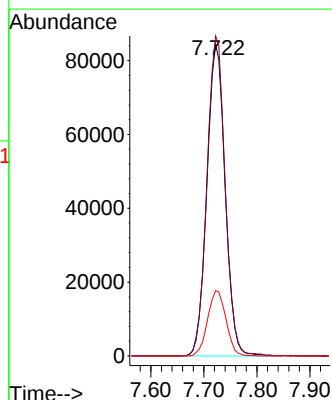
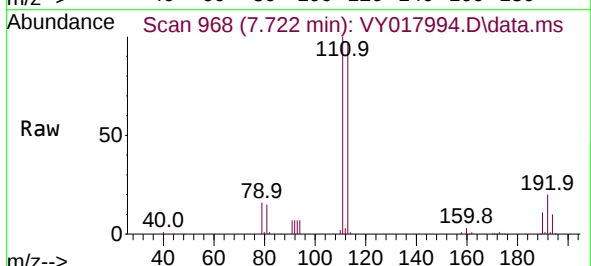
Tgt Ion:113 Resp: 201622

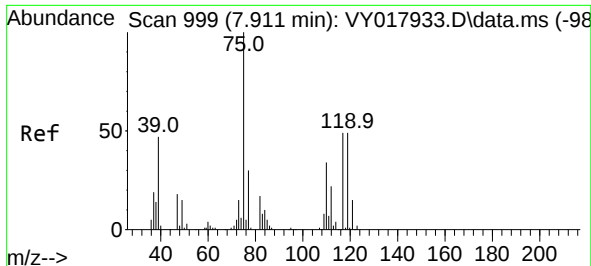
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 21.1 15.9 23.9

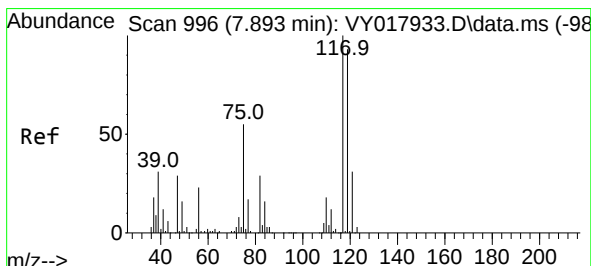
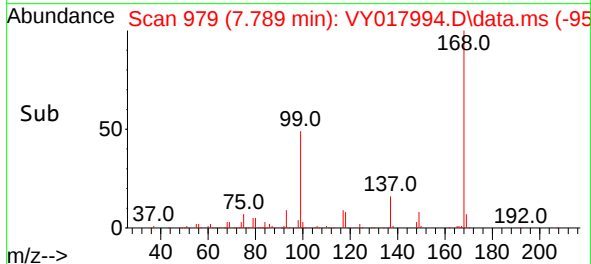
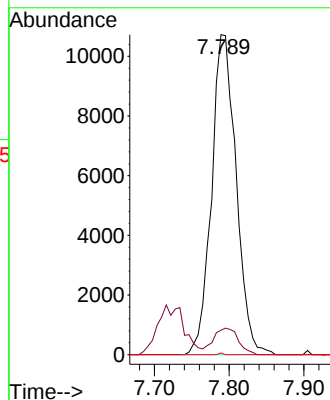
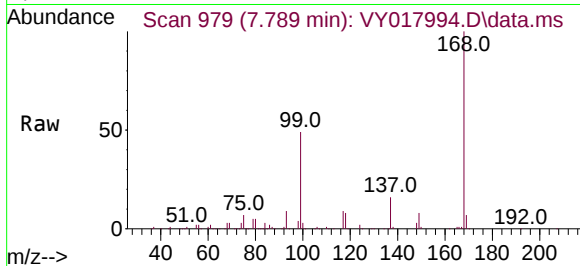




#36
1,1-Dichloropropene
Concen: 4.28 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

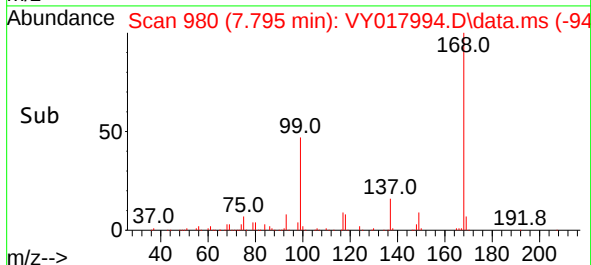
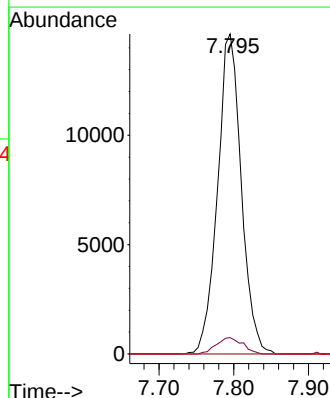
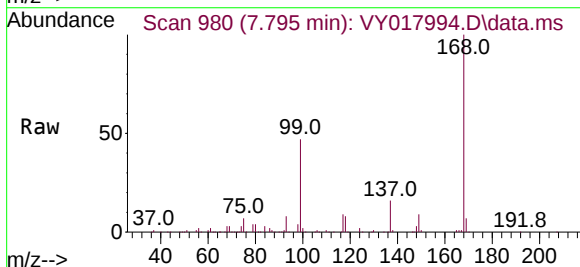
Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

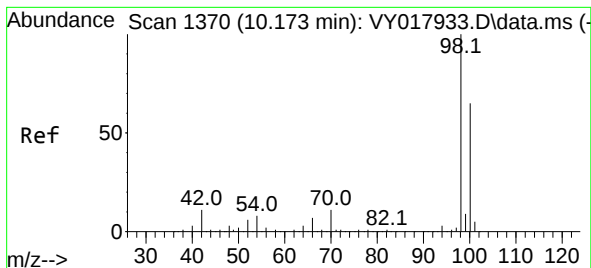
Tgt Ion: 75 Resp: 24604
Ion Ratio Lower Upper
75 100
110 8.4 19.0 57.0#
77 0.1 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.56 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

Tgt Ion: 117 Resp: 32295
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.70 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017994.D

Acq: 19 Apr 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

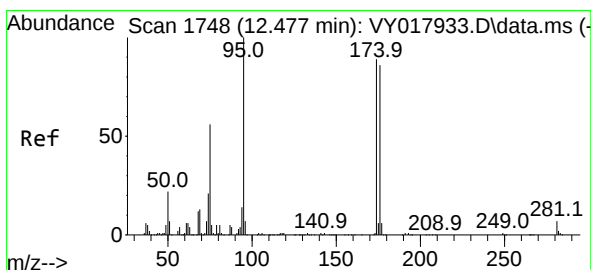
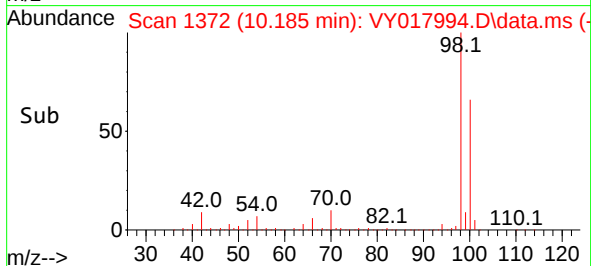
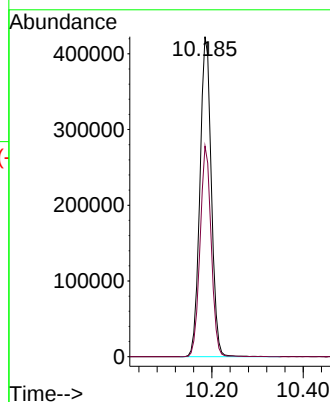
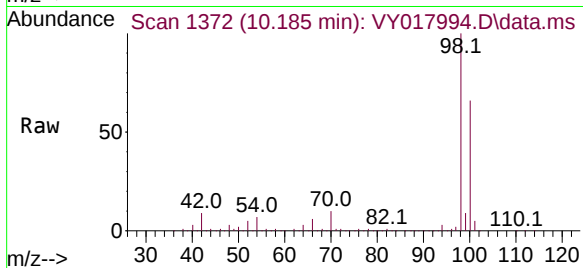
GRAB-9

Tgt Ion: 98 Resp: 730376

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.31 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017994.D

Acq: 19 Apr 2024 13:23

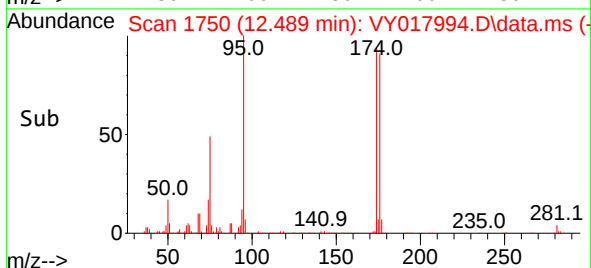
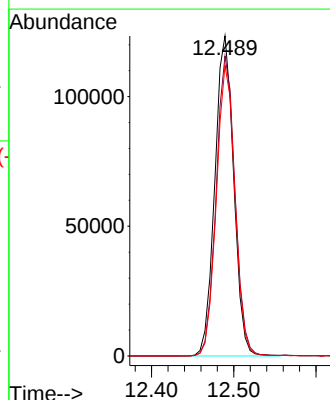
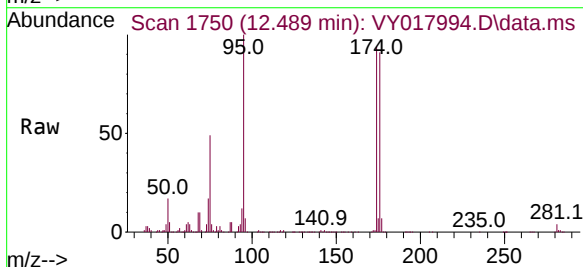
Tgt Ion: 95 Resp: 196500

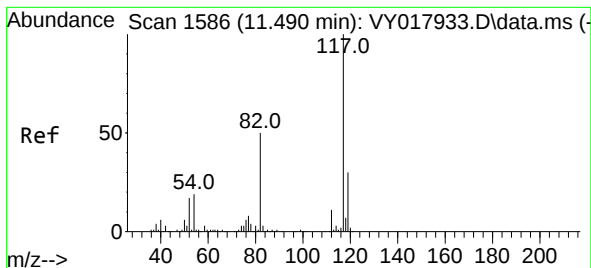
Ion Ratio Lower Upper

95 100

174 93.7 0.0 175.6

176 89.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017994.D

Acq: 19 Apr 2024 13:23

Instrument :

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ClientSampleId :

GRAB-9

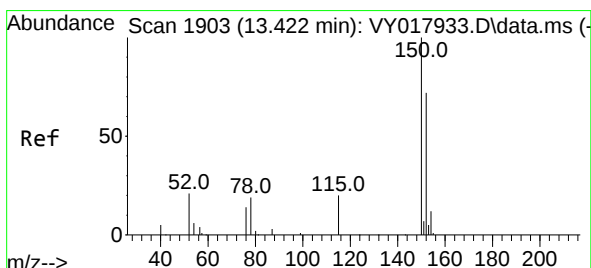
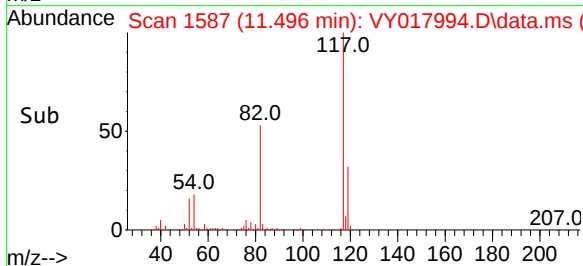
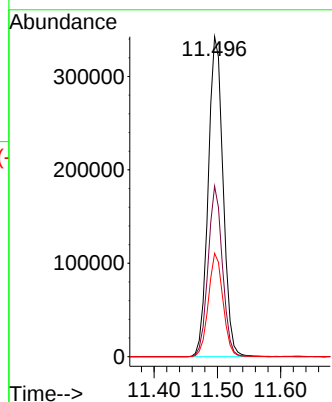
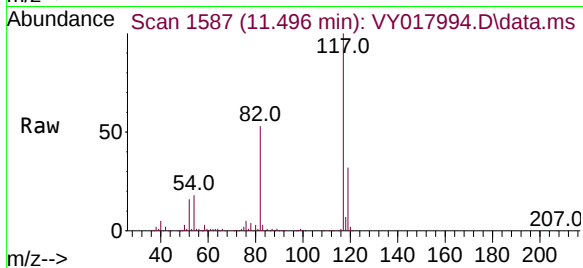
Tgt Ion:117 Resp: 560820

Ion Ratio Lower Upper

117 100

82 53.3 42.4 63.6

119 32.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017994.D

Acq: 19 Apr 2024 13:23

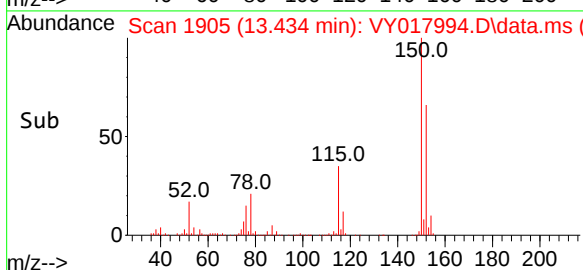
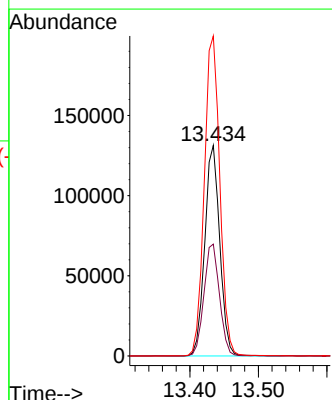
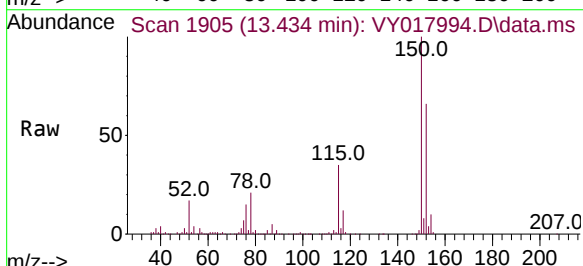
Tgt Ion:152 Resp: 200443

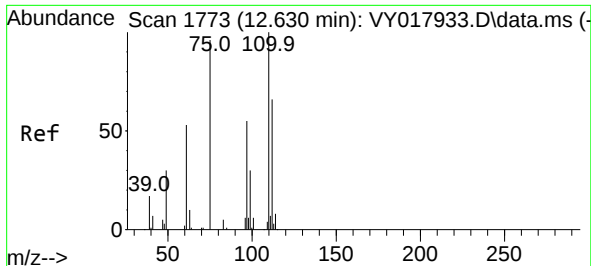
Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 157.4 0.0 345.6

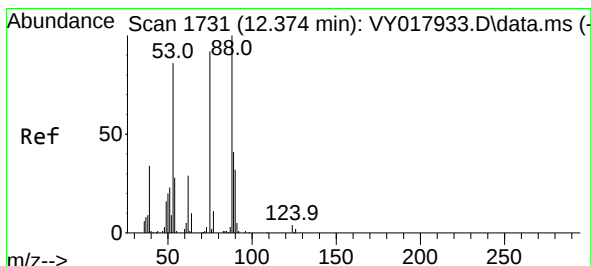
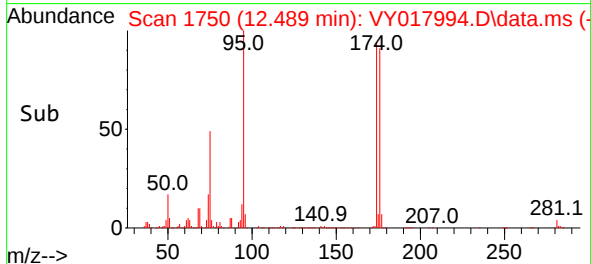
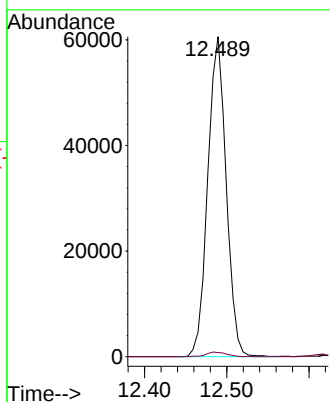
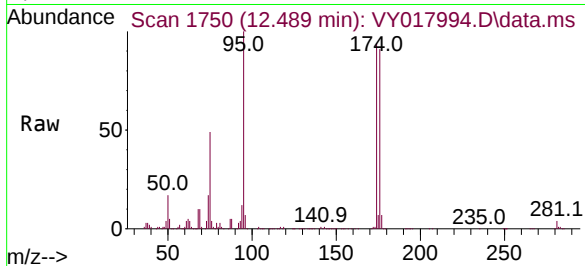




#76
1,2,3-Trichloropropane
Concen: 50.15 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :
GRAB-9

Tgt Ion: 75 Resp: 94323
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.39 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY017994.D
Acq: 19 Apr 2024 13:23

Tgt Ion: 75 Resp: 94323
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

