

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017833.D
 Acq On : 03 Apr 2024 14:12
 Operator : SY/MD
 Sample : P1952-06
 Misc : 3.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-B-GRAB

Quant Time: Apr 04 01:11:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

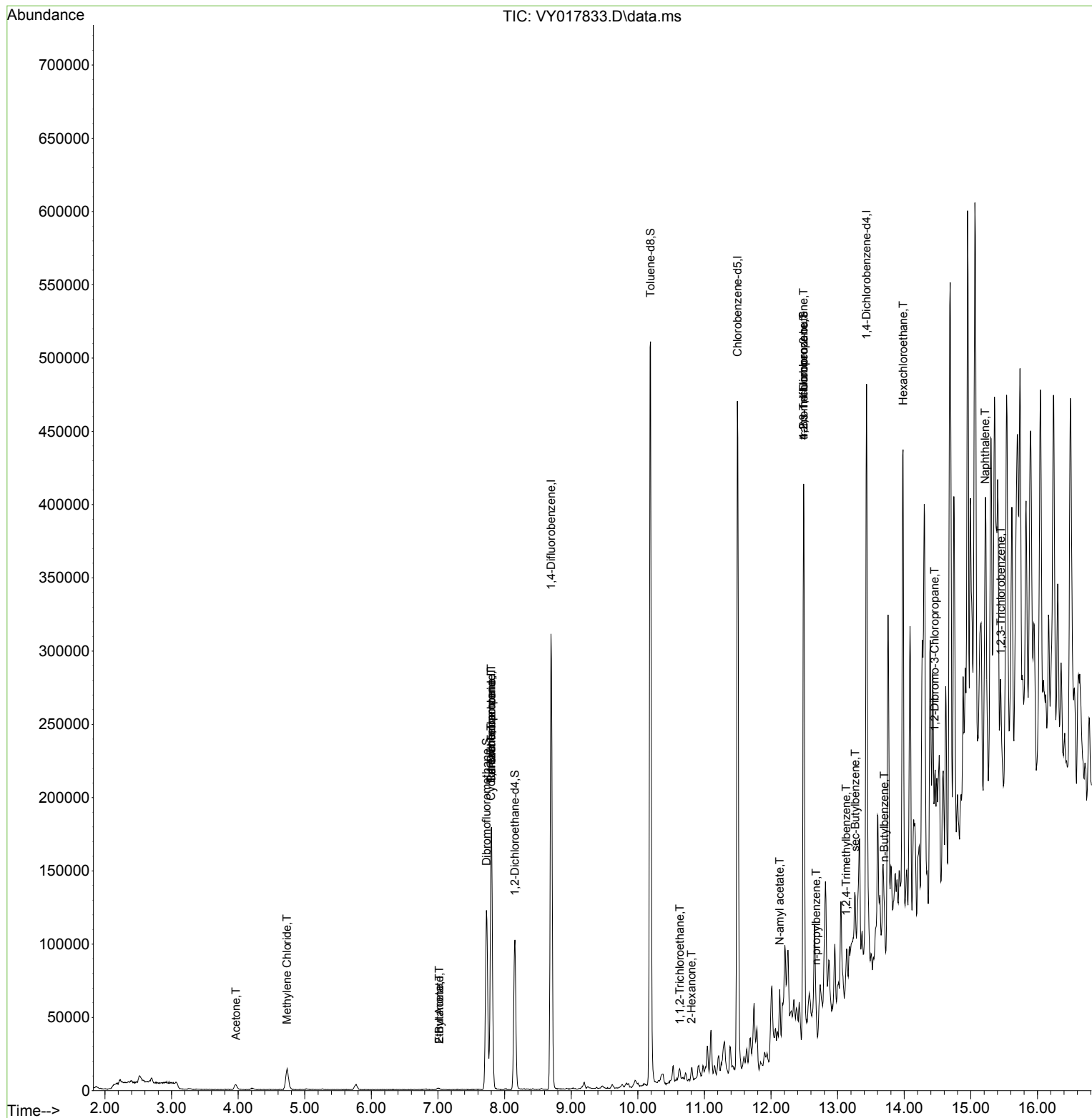
Internal Standards						
1) Pentafluorobenzene	7.801	168	142158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	267841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	250491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	100039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	80515	65.452	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.900%			
35) Dibromofluoromethane	7.728	113	85941	55.528	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.060%			
50) Toluene-d8	10.191	98	331650	57.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.740%			
62) 4-Bromofluorobenzene	12.489	95	94338	53.633	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.260%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	20	Below Cal	#	88
16) Acetone	3.966	43	6528	25.672	ug/l #	81
20) Methylene Chloride	4.734	84	10668	4.426	ug/l	95
25) 2-Butanone	7.021	43	1320	3.644	ug/l #	77
31) Cyclohexane	7.795	56	3217	1.484	ug/l #	34
36) 1,1-Dichloropropene	7.801	75	10919	4.835	ug/l #	48
37) Ethyl Acetate	7.021	43	1320	1.355	ug/l #	67
38) Carbon Tetrachloride	7.801	117	13616	5.808	ug/l #	16
41) Methacrylonitrile	7.356	41	20	Below Cal	#	15
48) Methyl methacrylate	9.337	41	64	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.081	43	75	Below Cal	#	31
55) 1,1,2-Trichloroethane	10.630	97	3021	2.468	ug/l #	21
59) 2-Hexanone	10.806	43	3254	5.535	ug/l #	21
69) o-Xylene	12.038	106	1241	Below Cal		62
70) Styrene	12.056	104	524	Below Cal	#	64
74) N-amyl acetate	12.129	43	7087	5.744	ug/l #	55
76) 1,2,3-Trichloropropane	12.489	75	52620	57.722	ug/l #	100
78) n-propylbenzene	12.678	91	11212	1.311	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.489	75	52620	111.195	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.129	105	9926	1.822	ug/l	99
85) sec-Butylbenzene	13.263	105	13969	1.871	ug/l #	77
89) n-Butylbenzene	13.702	91	14777	2.574	ug/l #	71
90) Hexachloroethane	13.983	117	14673	11.824	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.458	75	202	1.233	ug/l	73
95) Naphthalene	15.214	128	5680	3.497	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.452	180	1303	1.025	ug/l #	1

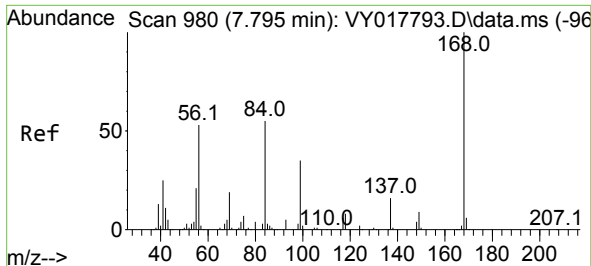
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 05:58:13 2024
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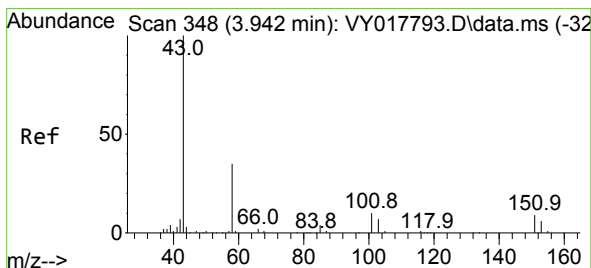
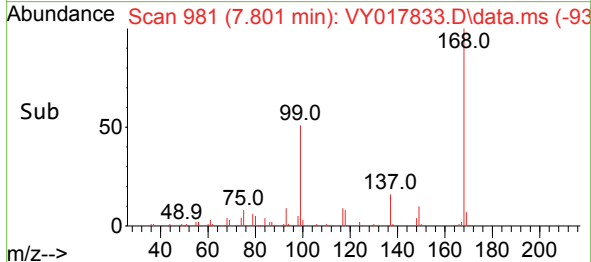
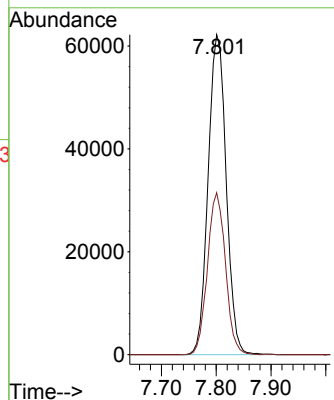
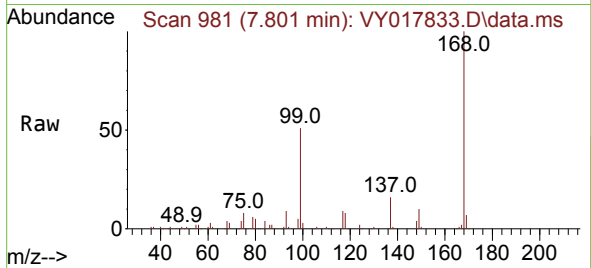




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

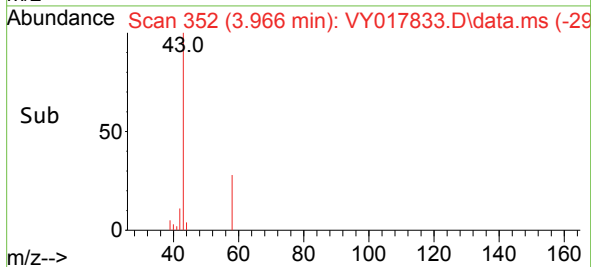
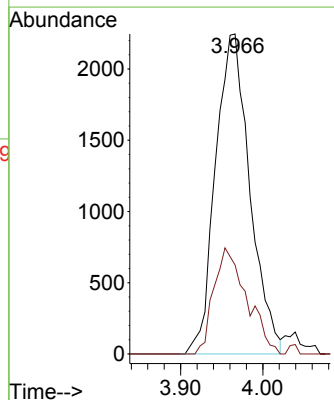
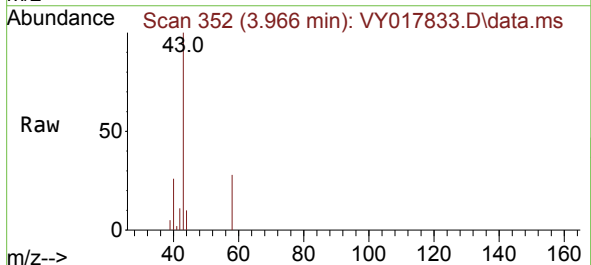
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-GRAB

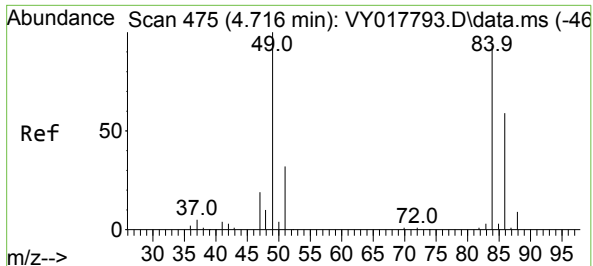
Tgt Ion:168 Resp: 142158
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#16
Acetone
Concen: 25.672 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.024 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 43 Resp: 6528
Ion Ratio Lower Upper
43 100
58 27.8 31.7 47.5#



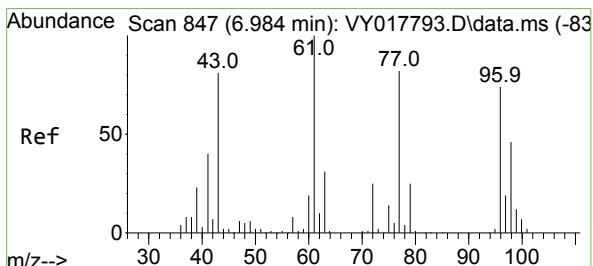
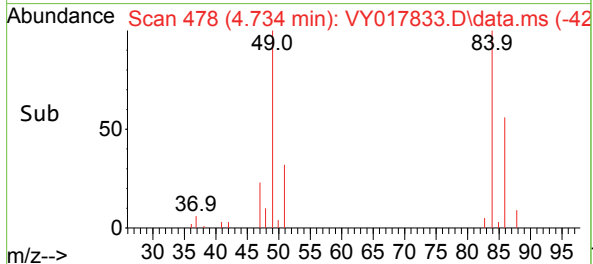
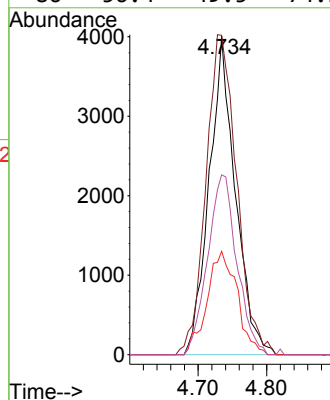
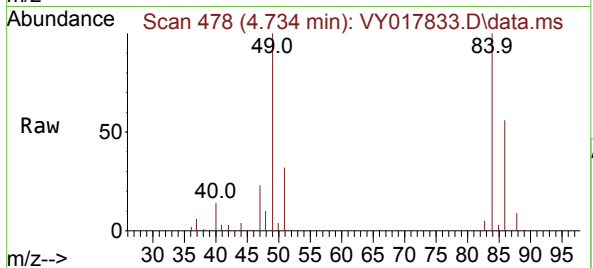


#20
Methylene Chloride
Concen: 4.426 ug/l
RT: 4.734 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Instrument :
MSVOA_Y
ClientSampleId :
WC-B-GRAB

Tgt Ion: 84 Resp: 10668

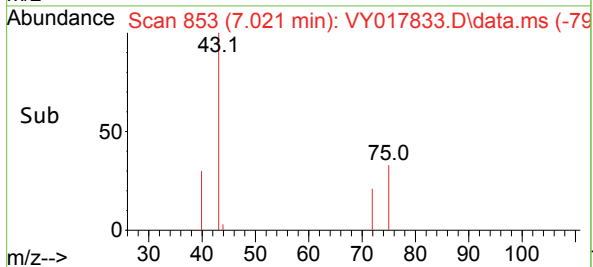
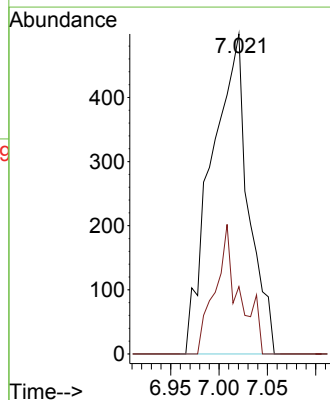
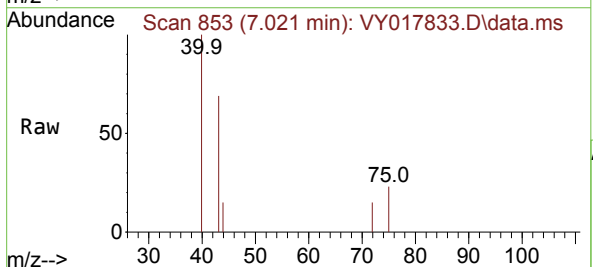
Ion	Ratio	Lower	Upper
84	100		
49	100.3	84.4	126.6
51	32.4	26.0	39.0
86	56.4	49.5	74.3

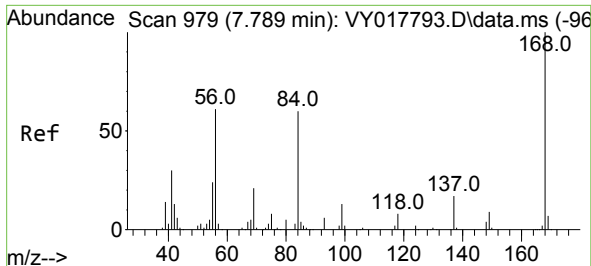


#25
2-Butanone
Concen: 3.644 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.036 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 43 Resp: 1320

Ion	Ratio	Lower	Upper
43	100		
72	21.0	27.3	40.9#

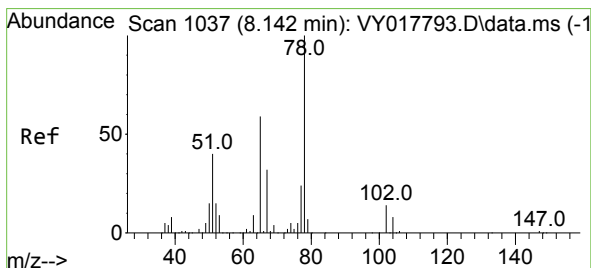
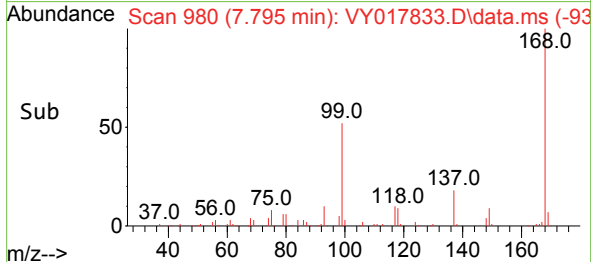
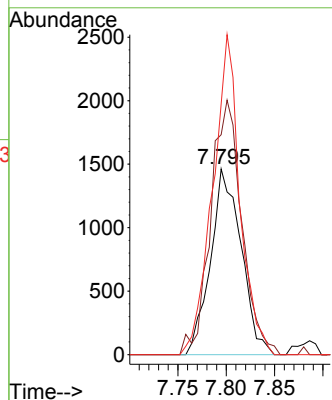
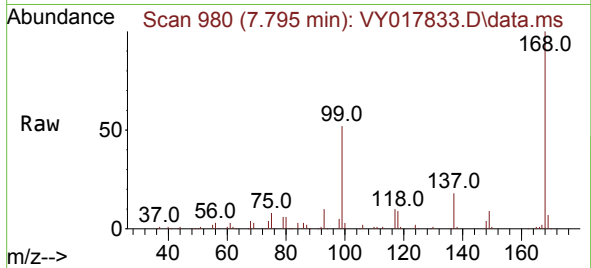




#31
Cyclohexane
Concen: 1.484 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

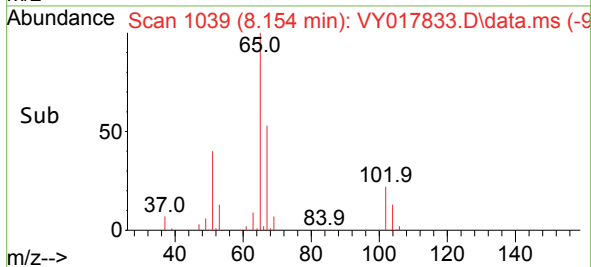
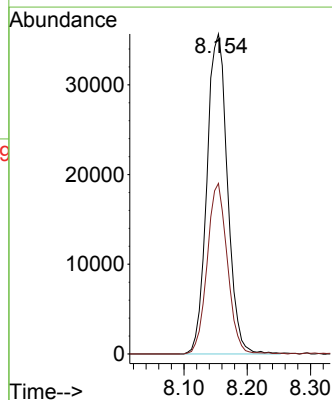
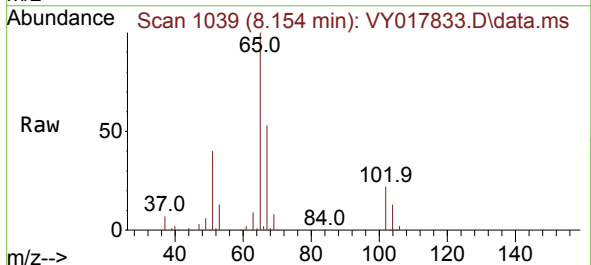
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-GRAB

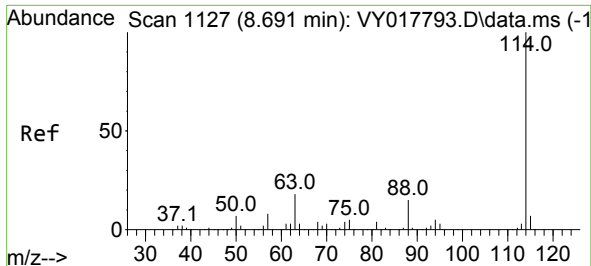
Tgt Ion: 56 Resp: 3217
Ion Ratio Lower Upper
56 100
69 118.5 28.7 43.1#
84 134.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 65.452 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 65 Resp: 80515
Ion Ratio Lower Upper
65 100
67 52.4 0.0 109.6

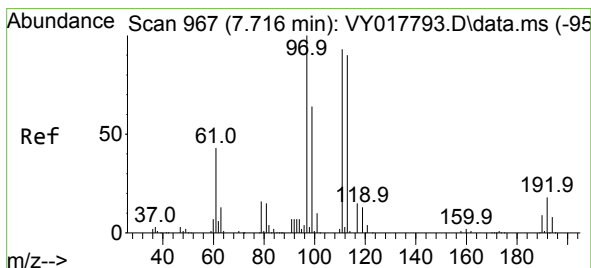
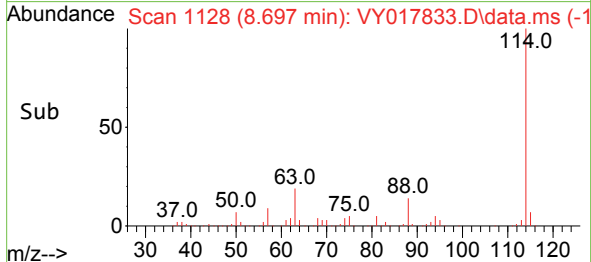
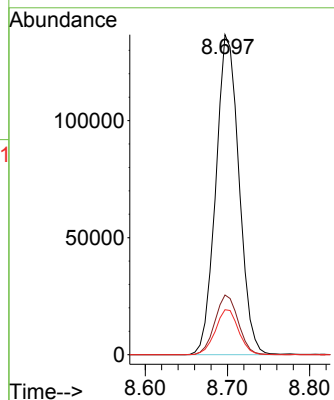
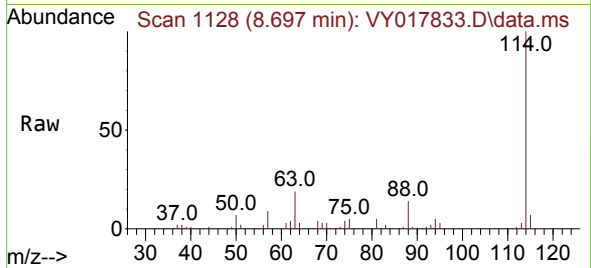




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

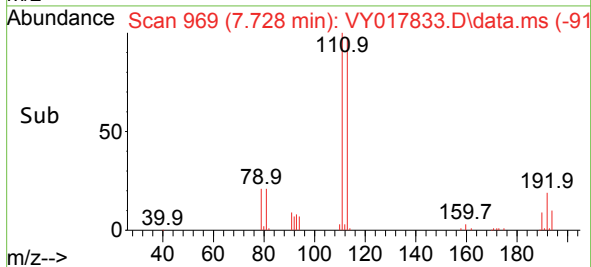
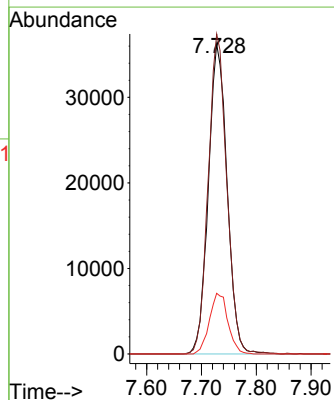
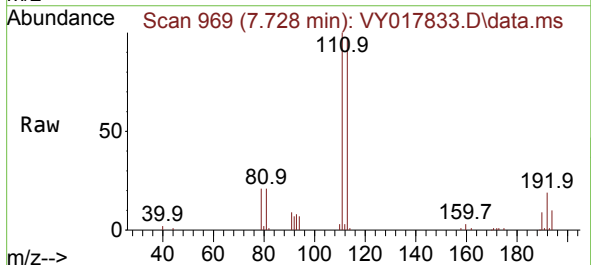
Instrument :
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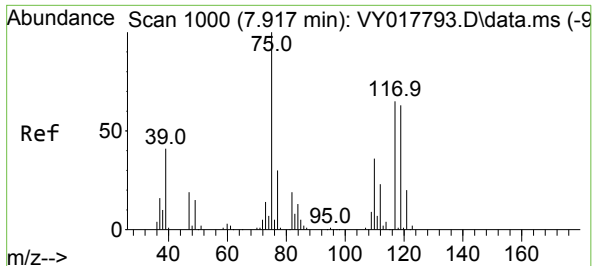
Tgt Ion:114 Resp: 267841
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.0
88 14.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 55.528 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion:113 Resp: 85941
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 19.4 15.9 23.9

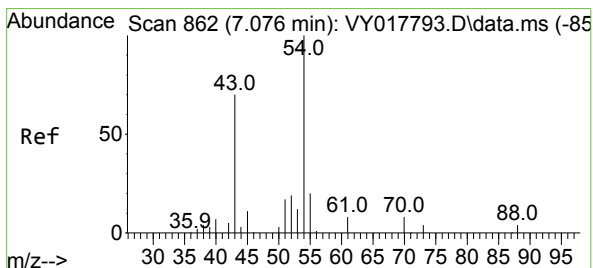
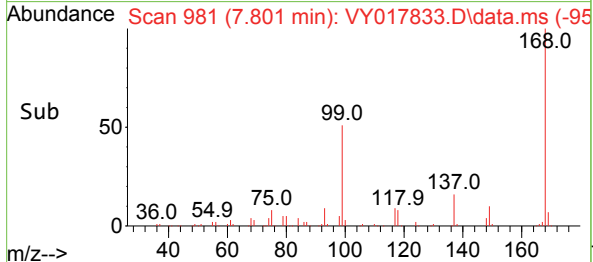
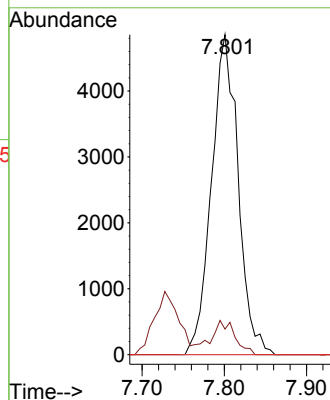
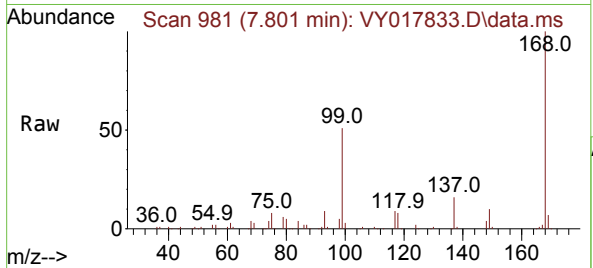




#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 7.801 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

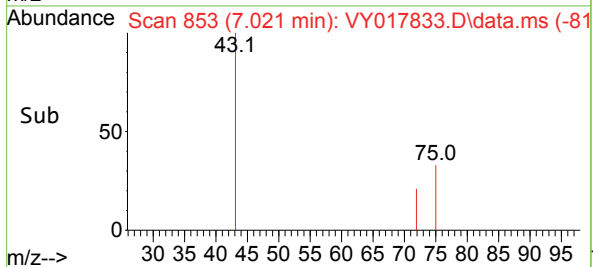
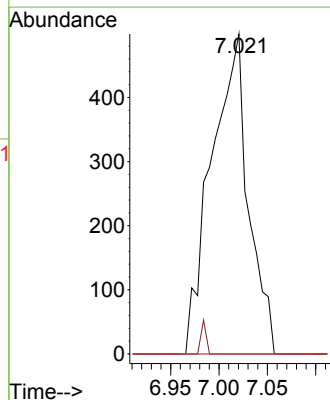
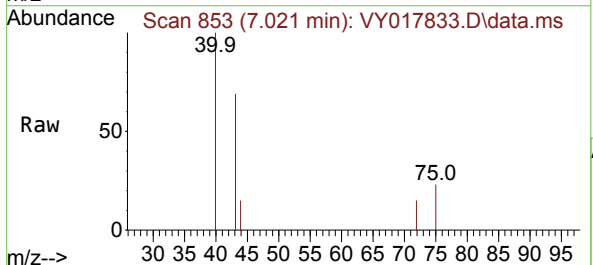
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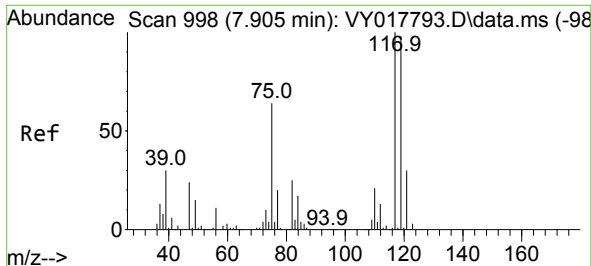
Tgt Ion: 75 Resp: 10919
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.355 ug/l
RT: 7.021 min Scan# 853
Delta R.T. -0.055 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#

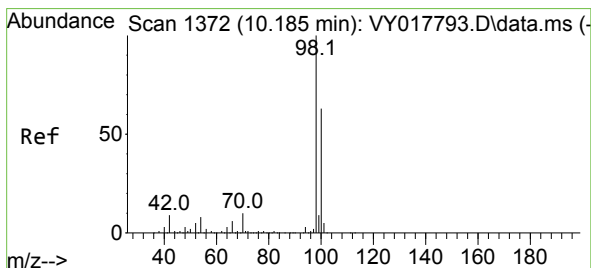
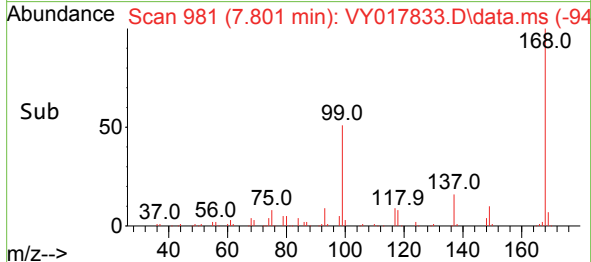
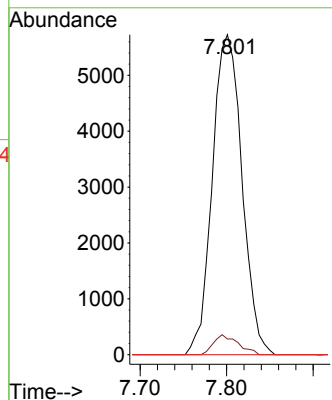
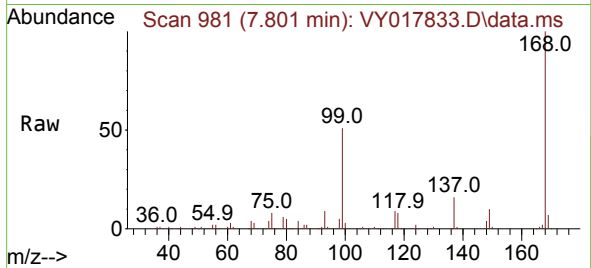




#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

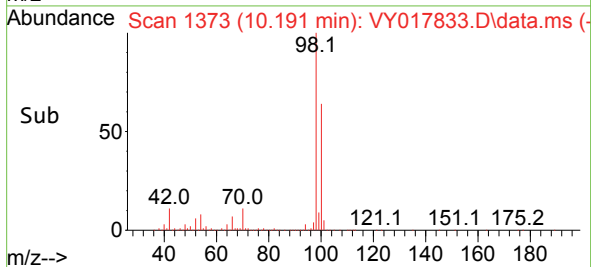
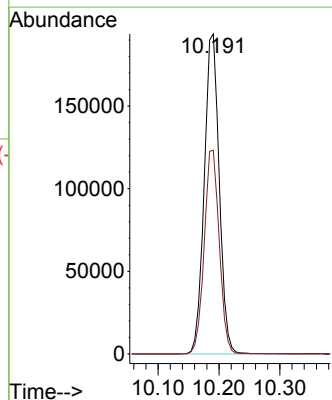
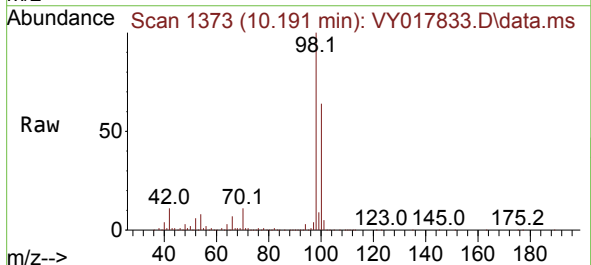
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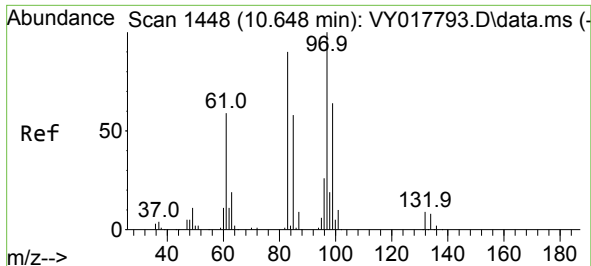
Tgt Ion:117 Resp: 13616
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 57.366 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 98 Resp: 331650
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

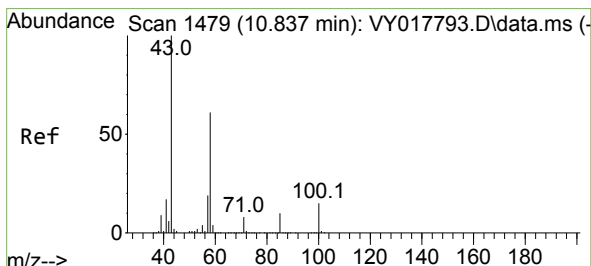
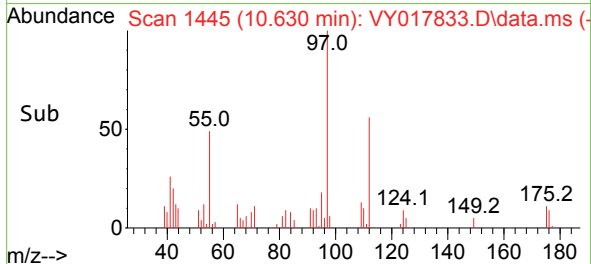
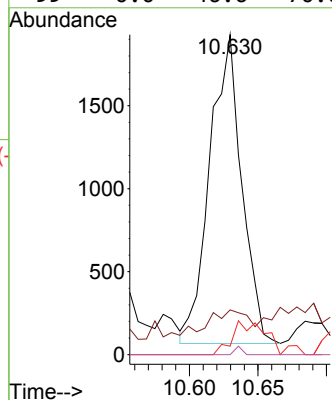
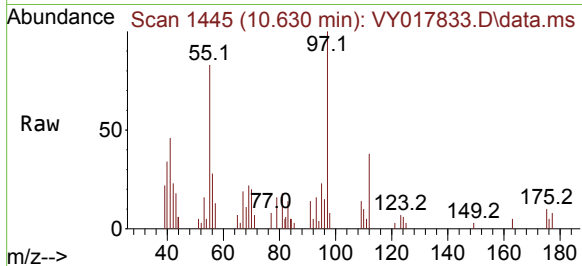




#55
 1,1,2-Trichloroethane
 Concen: 2.468 ug/l
 RT: 10.630 min Scan# 1445
 Delta R.T. -0.019 min
 Lab File: VY017833.D
 Acq: 03 Apr 2024 14:12

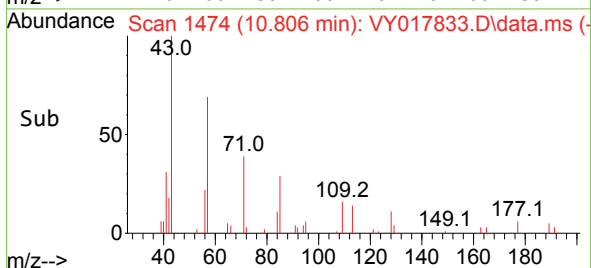
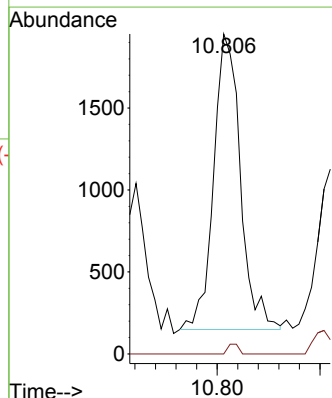
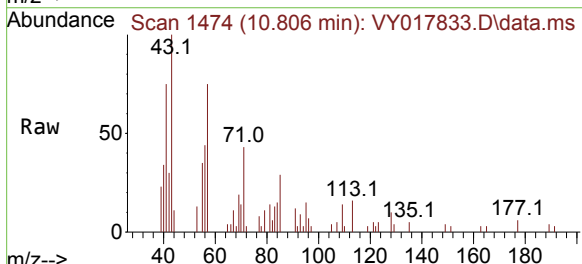
Instrument :
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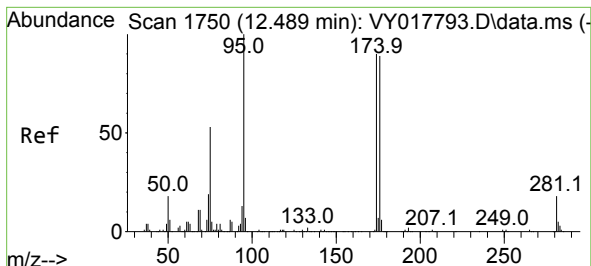
Tgt Ion: 97	Resp: 3021
Ion Ratio	Lower Upper
97 100	
83 8.2	67.5 101.3#
85 2.7	42.9 64.3#
99 0.0	46.6 70.0#



#59
 2-Hexanone
 Concen: 5.535 ug/l
 RT: 10.806 min Scan# 1474
 Delta R.T. -0.031 min
 Lab File: VY017833.D
 Acq: 03 Apr 2024 14:12

Tgt Ion: 43	Resp:	3254	
Ion Ratio	Lower	Upper	
43	100		
58	1.3	31.4	94.0#

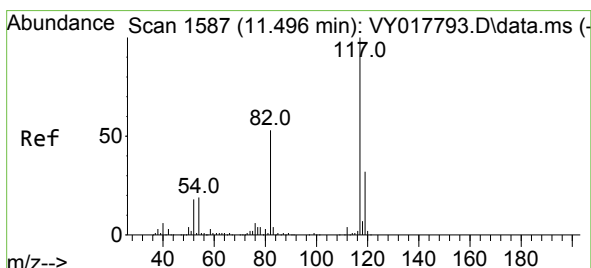
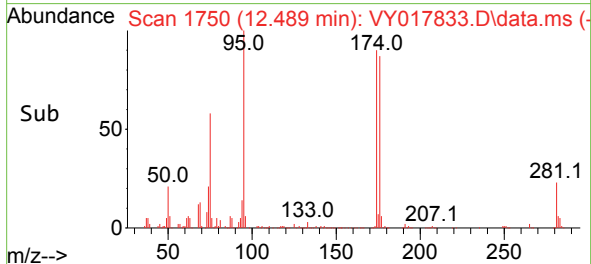
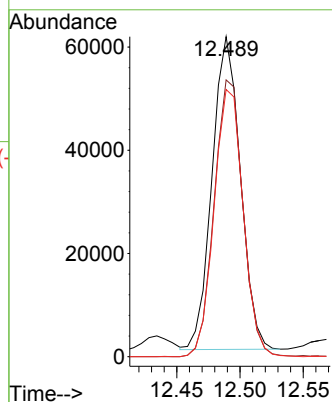
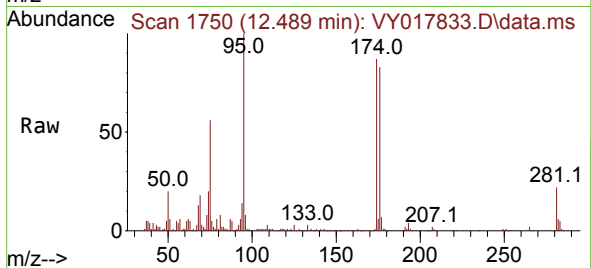




#62
4-Bromofluorobenzene
Concen: 53.633 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

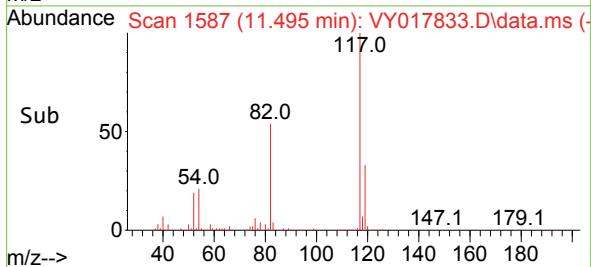
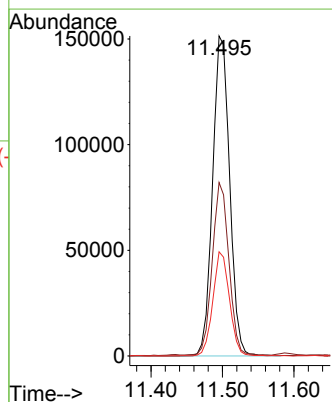
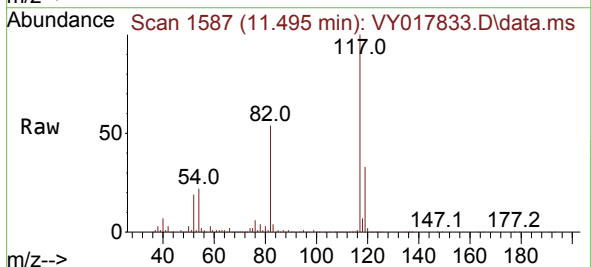
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-GRAB

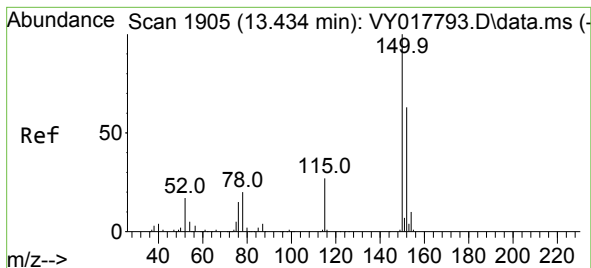
Tgt Ion: 95 Resp: 94338
Ion Ratio Lower Upper
95 100
174 90.0 0.0 175.6
176 87.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 117 Resp: 250491
Ion Ratio Lower Upper
117 100
82 53.9 42.4 63.6
119 32.5 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-GRAB

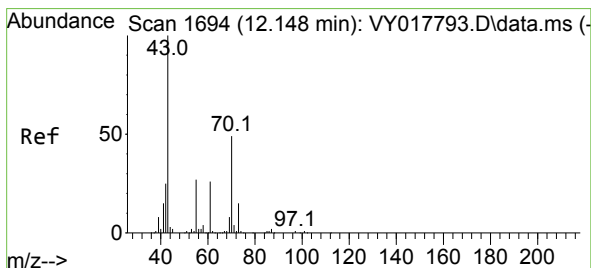
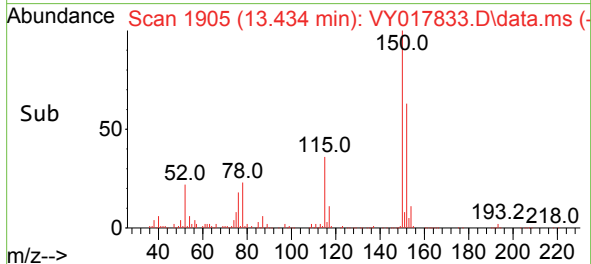
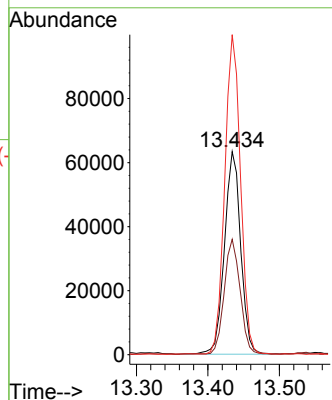
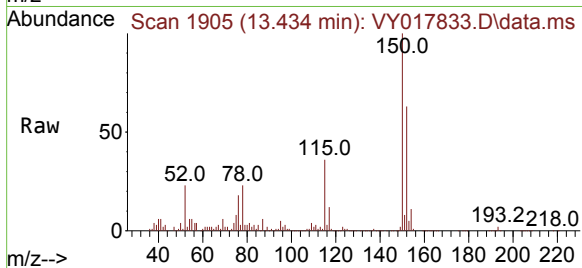
Tgt Ion:152 Resp: 100039

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

150 152.1 0.0 345.6



#74

N-ethyl acetate

Concen: 5.744 ug/l

RT: 12.129 min Scan# 1691

Delta R.T. -0.019 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Tgt Ion: 43 Resp: 7087

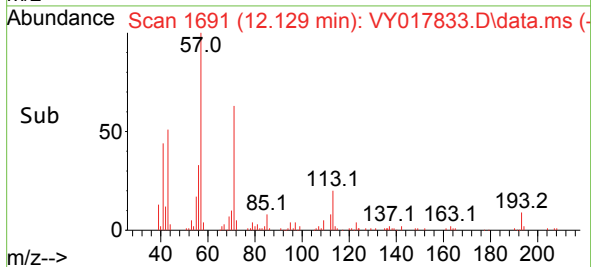
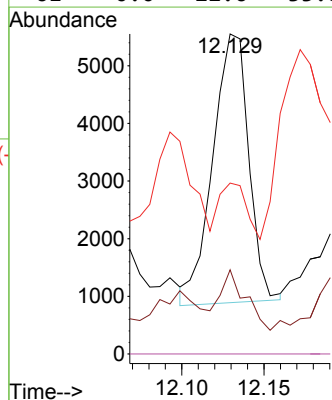
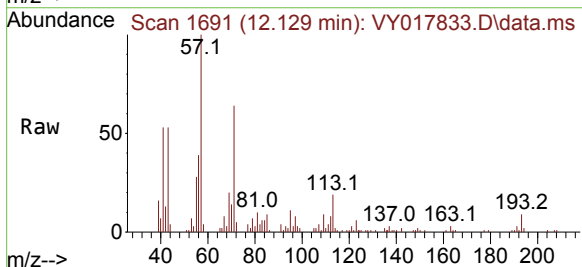
Ion Ratio Lower Upper

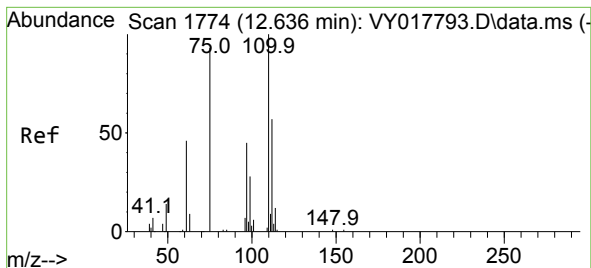
43 100

70 15.4 41.4 62.2#

55 15.7 23.3 34.9#

61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 57.722 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.147 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

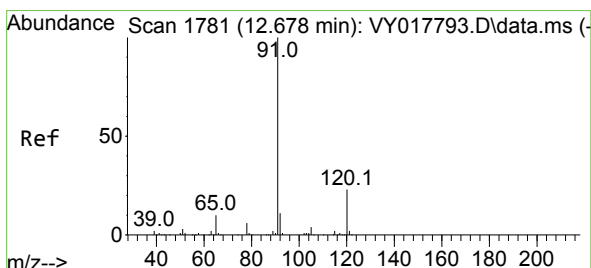
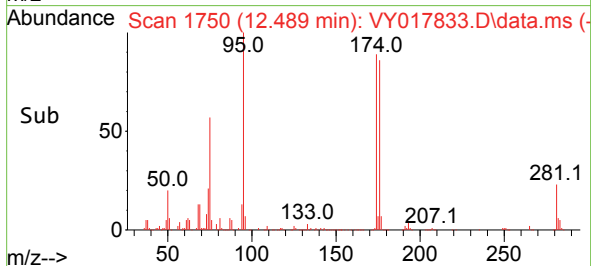
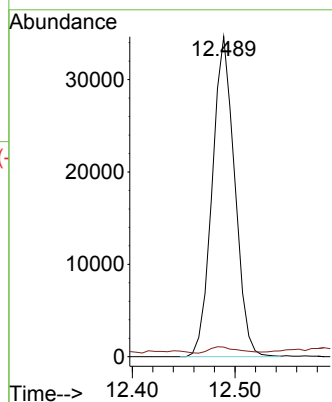
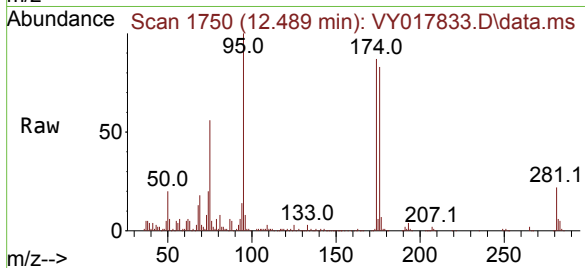
WC-B-GRAB

Tgt Ion: 75 Resp: 52620

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#



#78

n-propylbenzene

Concen: 1.311 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY017833.D

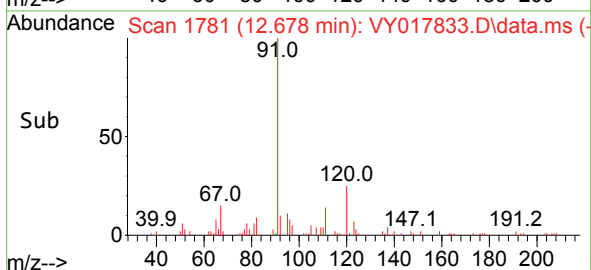
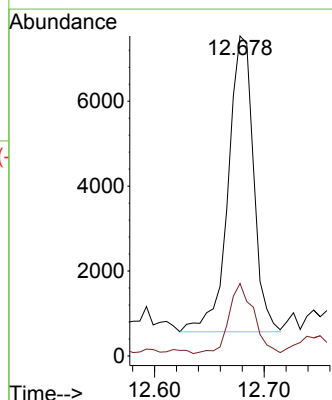
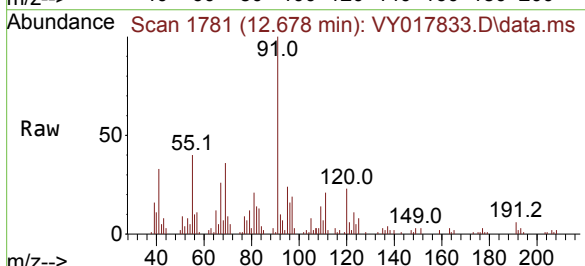
Acq: 03 Apr 2024 14:12

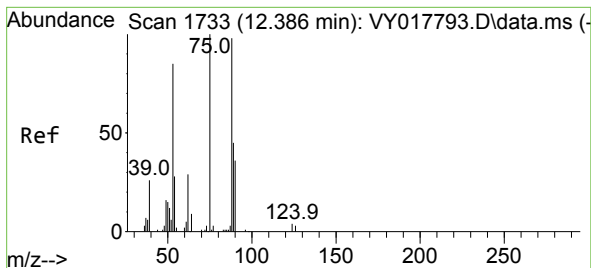
Tgt Ion: 91 Resp: 11212

Ion Ratio Lower Upper

91 100

120 24.1 11.5 34.4

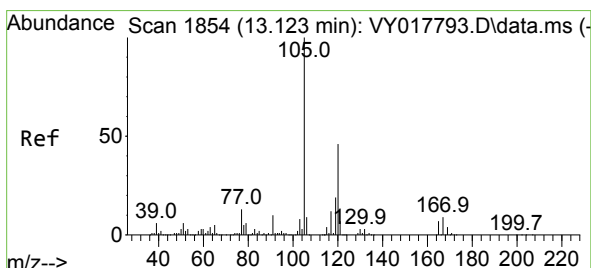
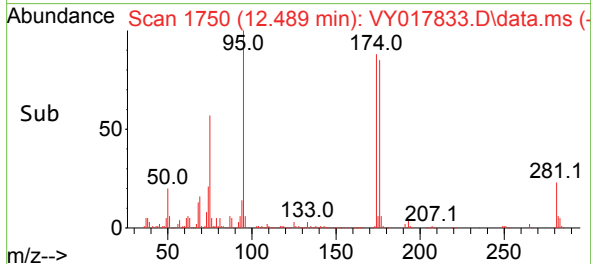
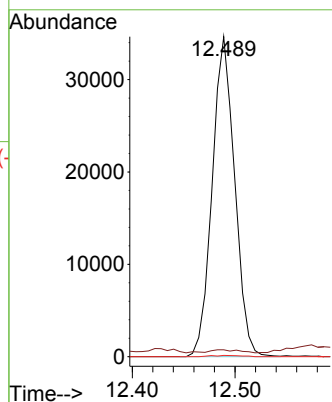
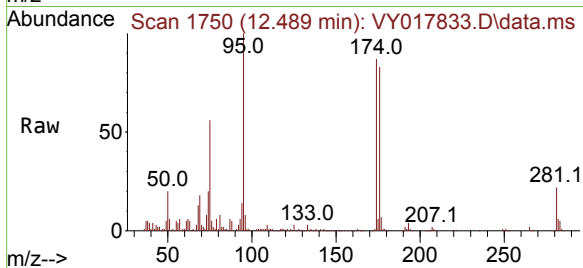




#81
trans-1,4-Dichloro-2-butene
Concen: 111.195 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

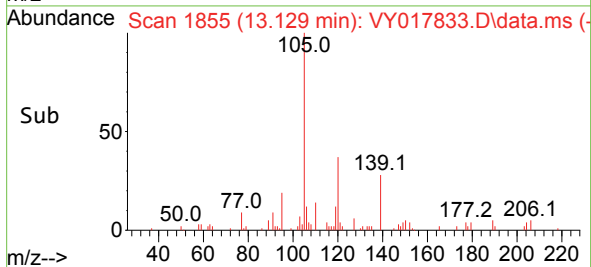
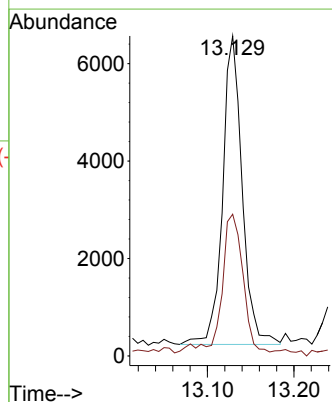
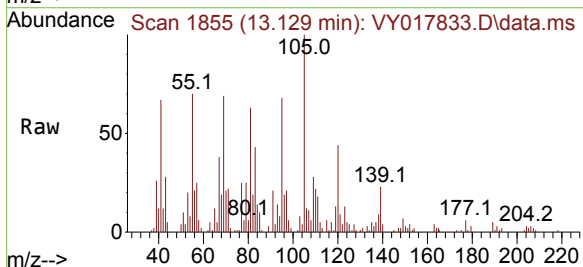
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-GRAB

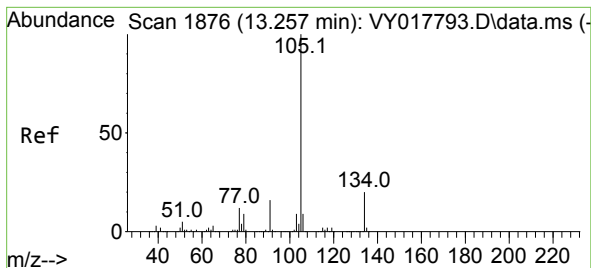
Tgt Ion: 75 Resp: 52620
Ion Ratio Lower Upper
75 100
53 1.4 66.8 100.2#
89 0.5 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.822 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY017833.D
Acq: 03 Apr 2024 14:12

Tgt Ion: 105 Resp: 9926
Ion Ratio Lower Upper
105 100
120 45.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.871 ug/l

RT: 13.263 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

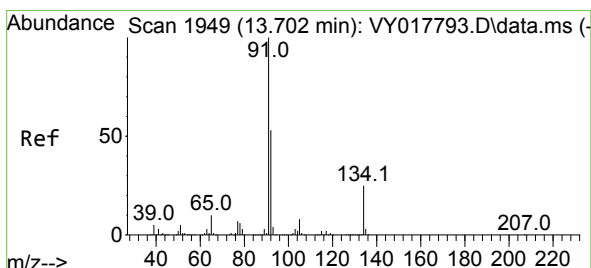
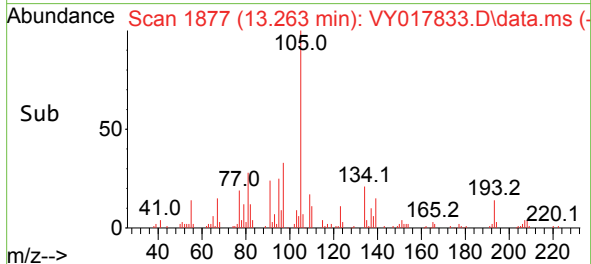
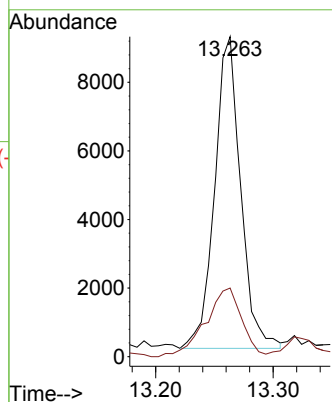
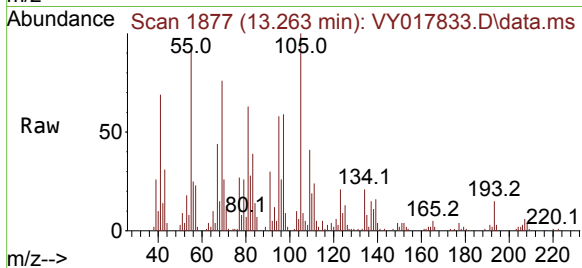
WC-B-GRAB

Tgt Ion:105 Resp: 13969

Ion Ratio Lower Upper

105 100

134 30.8 10.1 30.1#



#89

n-Butylbenzene

Concen: 2.574 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

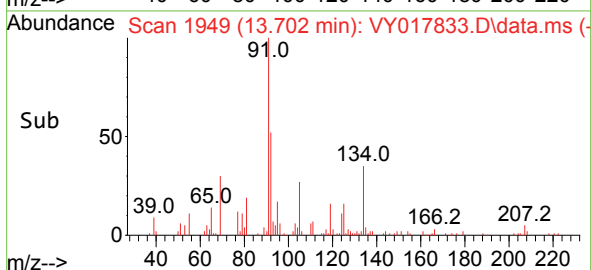
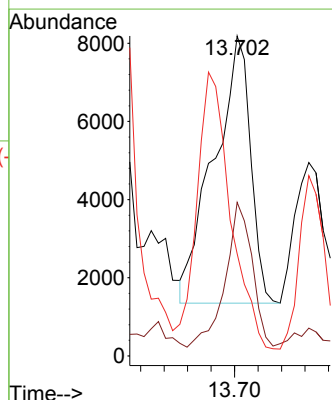
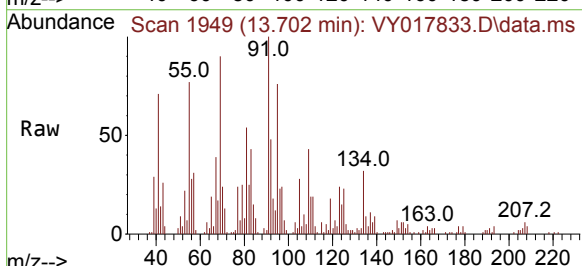
Tgt Ion: 91 Resp: 14777

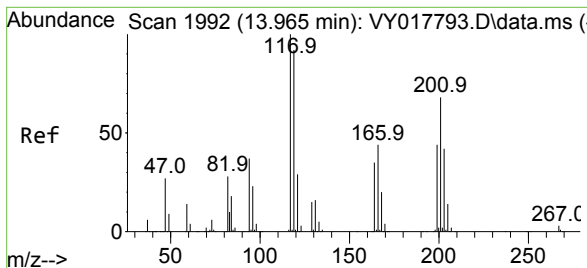
Ion Ratio Lower Upper

91 100

92 39.6 26.6 79.7

134 0.0 12.9 38.7#





#90

Hexachloroethane

Concen: 11.824 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.018 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

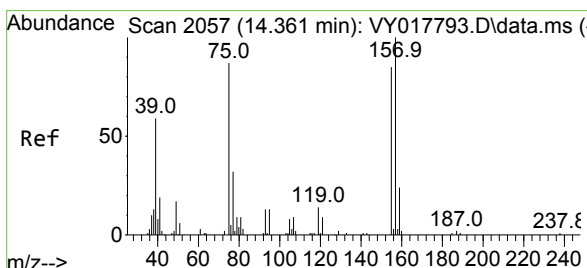
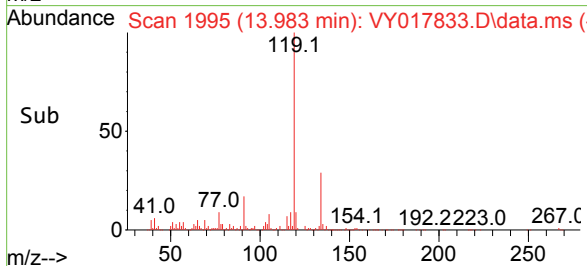
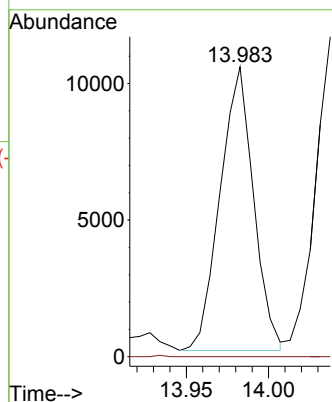
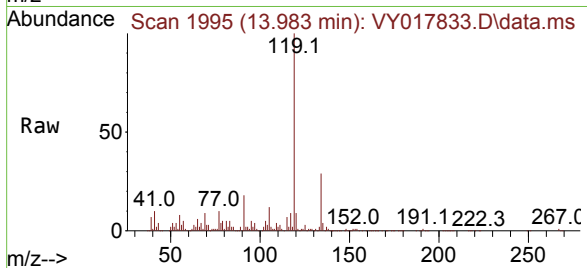
WC-B-GRAB

Tgt Ion:117 Resp: 14673

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.233 ug/l

RT: 14.458 min Scan# 2073

Delta R.T. 0.097 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

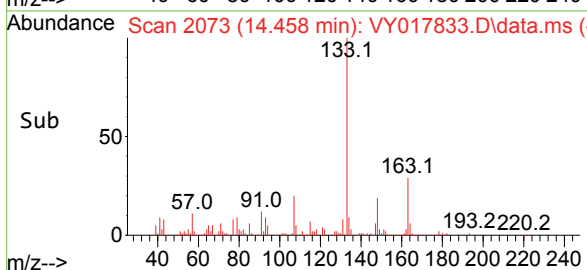
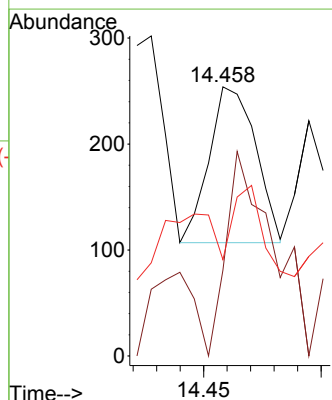
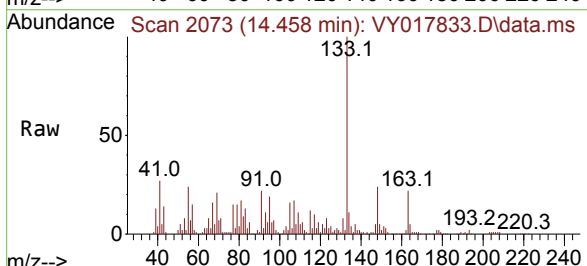
Tgt Ion: 75 Resp: 202

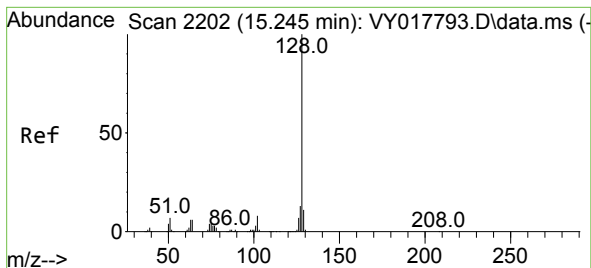
Ion Ratio Lower Upper

75 100

155 132.2 48.6 145.8

157 103.0 62.7 188.2





#95

Naphthalene

Concen: 3.497 ug/l

RT: 15.214 min Scan# 21

Delta R.T. -0.031 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-GRAB

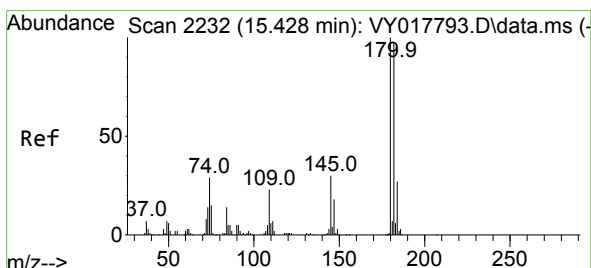
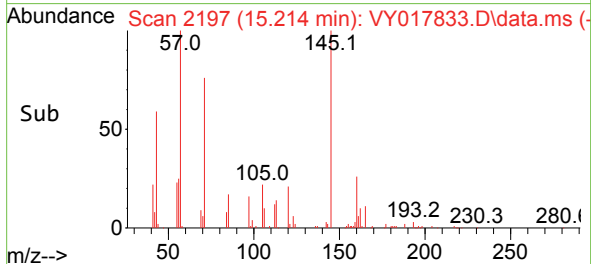
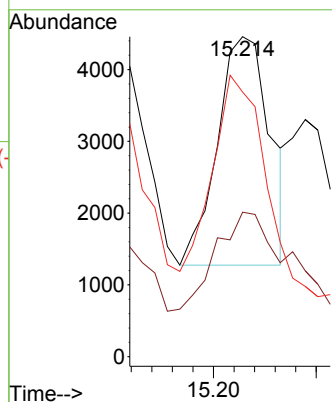
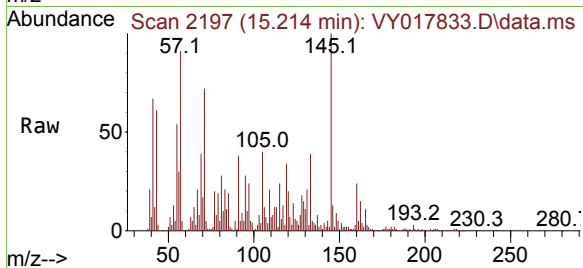
Tgt Ion:128 Resp: 5680

Ion Ratio Lower Upper

128 100

127 71.7 10.6 16.0#

129 113.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.025 ug/l

RT: 15.452 min Scan# 2236

Delta R.T. 0.024 min

Lab File: VY017833.D

Acq: 03 Apr 2024 14:12

Tgt Ion:180 Resp: 1303

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 2743.7 15.4 46.1#

