

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041124\
 Data File : VY017915.D
 Acq On : 11 Apr 2024 16:48
 Operator : SY/MD
 Sample : P2072-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-041024

Quant Time: Apr 12 05:03:09 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)

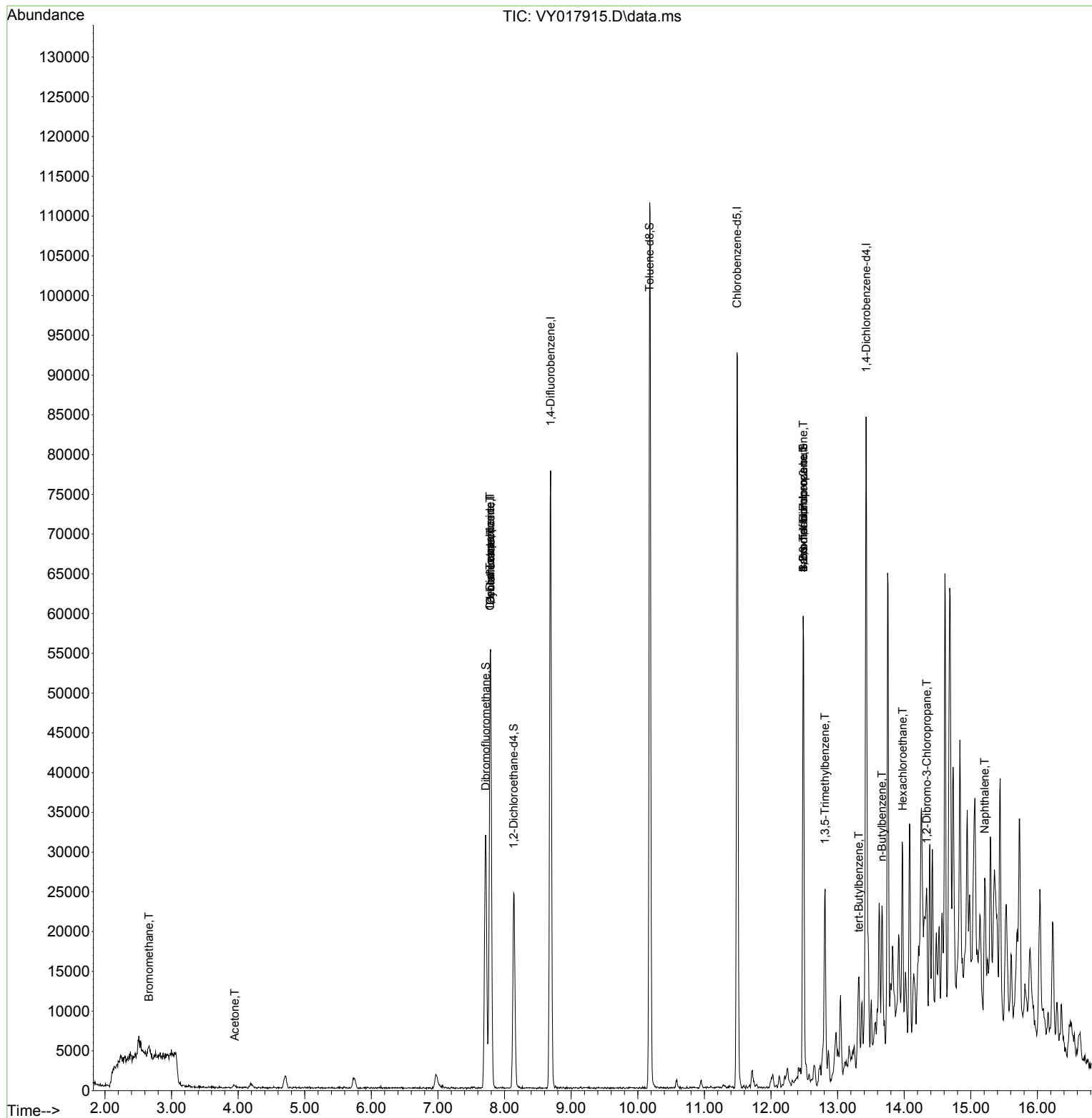
Internal Standards						
1) Pentafluorobenzene	7.789	168	45275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	68901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	52633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	19353	49.397	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.800%		
35) Dibromofluoromethane	7.716	113	22437	56.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	112.700%		
50) Toluene-d8	10.179	98	75346	50.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.320%		
62) 4-Bromofluorobenzene	12.483	95	16531	36.534	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.060%		
Target Compounds						Qvalue
5) Bromomethane	2.662	94	625	1.001	ug/l #	74
16) Acetone	3.948	43	575	7.100	ug/l	89
20) Methylene Chloride	4.716	84	1304	Below Cal		98
31) Cyclohexane	7.789	56	1022	1.481	ug/l #	57
36) 1,1-Dichloropropene	7.783	75	3550	6.111	ug/l #	45
38) Carbon Tetrachloride	7.783	117	4107	6.810	ug/l #	15
51) 4-Methyl-2-Pentanone	10.173	43	342	Below Cal	#	1
69) o-Xylene	12.026	106	301	Below Cal		73
71) Bromoform	12.483	173	210	1.033	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	9334	50.920	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	2894	2.630	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	9334	101.041	ug/l #	16
83) tert-Butylbenzene	13.319	119	2004	2.003	ug/l	76
89) n-Butylbenzene	13.666	91	2431	2.106	ug/l #	1
90) Hexachloroethane	13.977	117	1144	4.585	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.337	75	45	1.366	ug/l #	1
95) Naphthalene	15.208	128	743	2.532	ug/l #	67

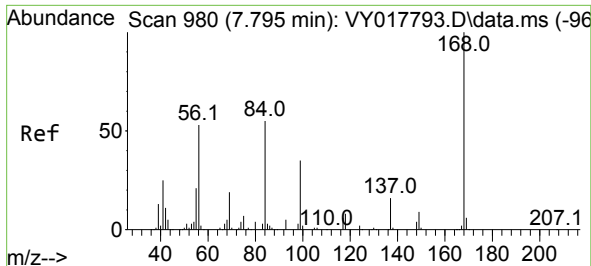
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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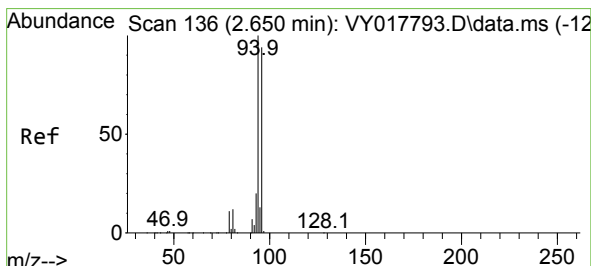
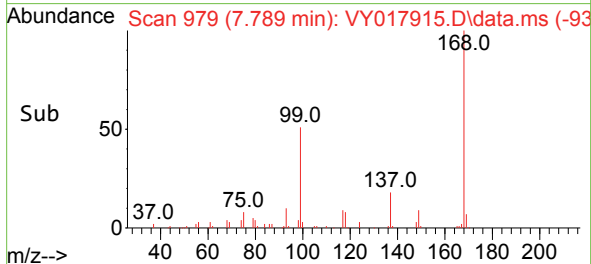
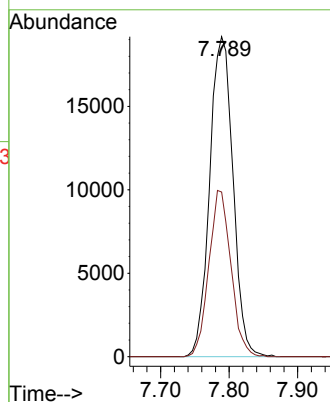
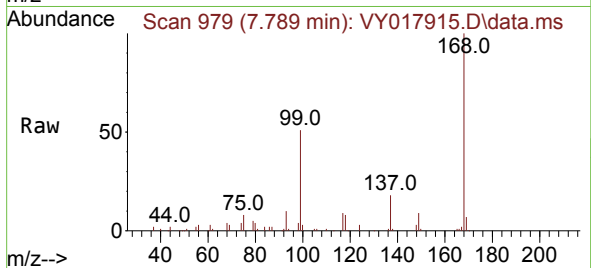




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

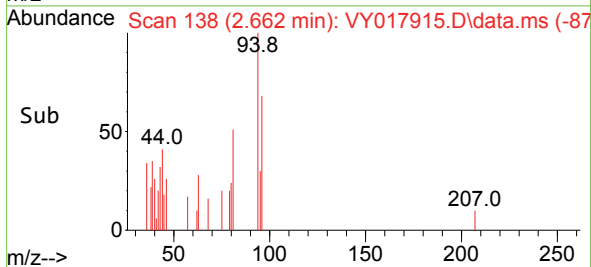
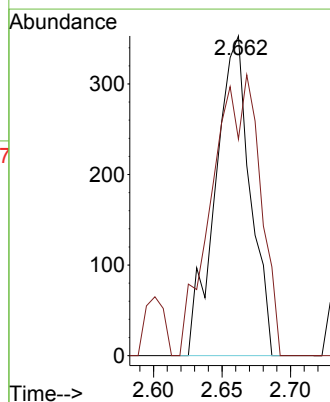
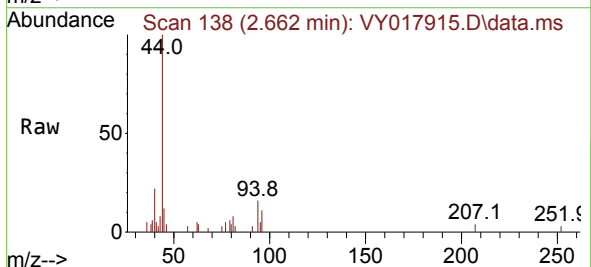
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-041024

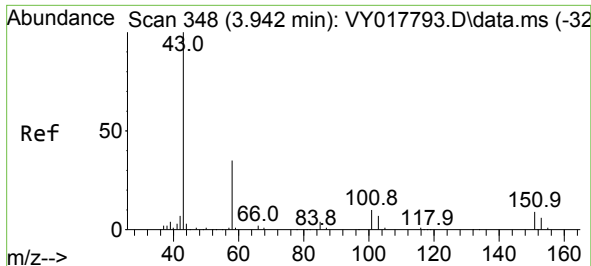
Tgt Ion:168 Resp: 45275
Ion Ratio Lower Upper
168 100
99 51.5 39.1 58.7



#5
Bromomethane
Concen: 1.001 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Tgt Ion: 94 Resp: 625
Ion Ratio Lower Upper
94 100
96 67.7 74.1 111.1#





#16

Acetone

Concen: 7.100 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY017915.D

Acq: 11 Apr 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

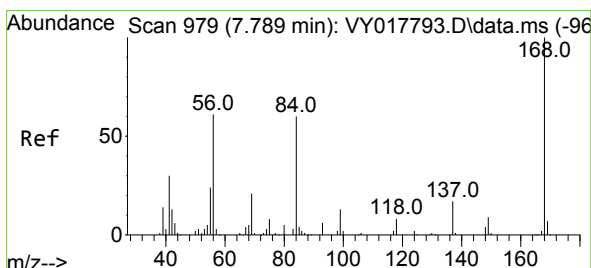
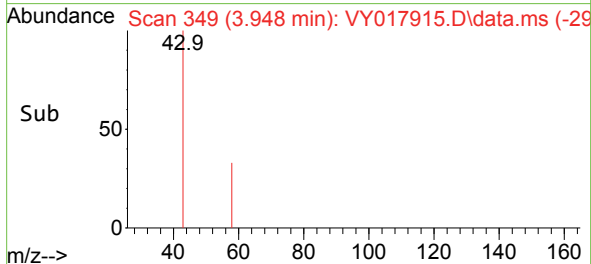
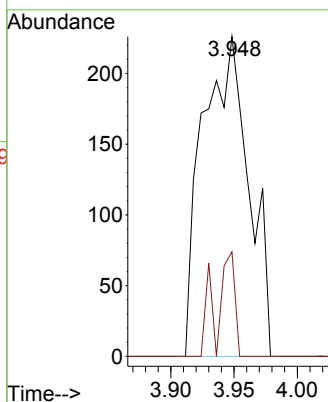
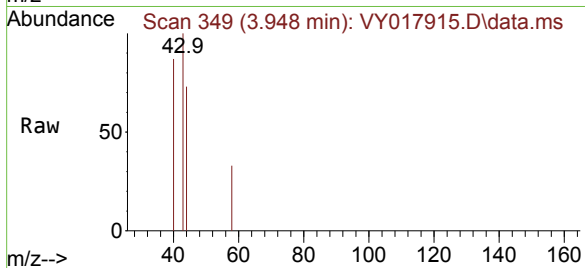
HR-01-041024

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

58 32.7 31.7 47.5



#31

Cyclohexane

Concen: 1.481 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY017915.D

Acq: 11 Apr 2024 16:48

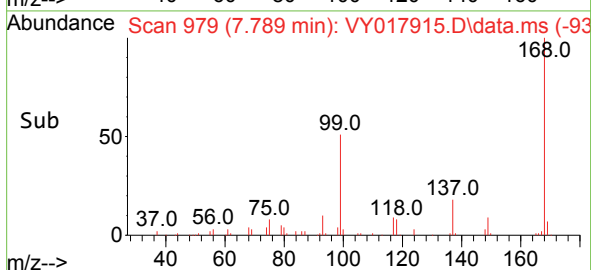
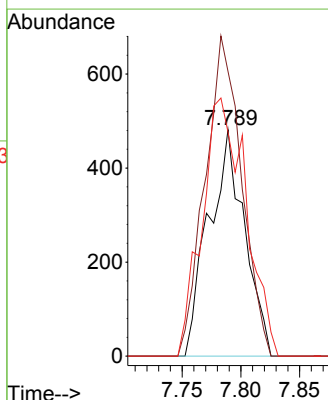
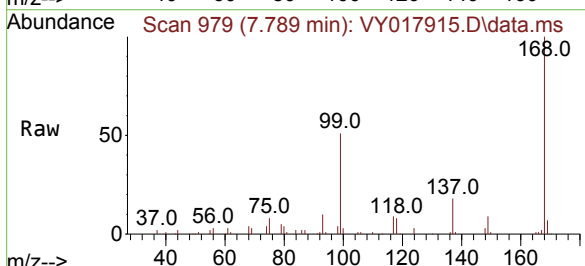
Tgt Ion: 56 Resp: 1022

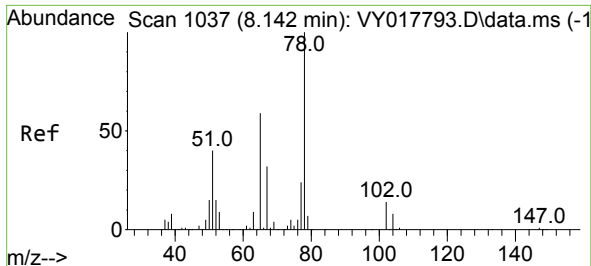
Ion Ratio Lower Upper

56 100

69 125.7 28.7 43.1#

84 99.0 77.7 116.5

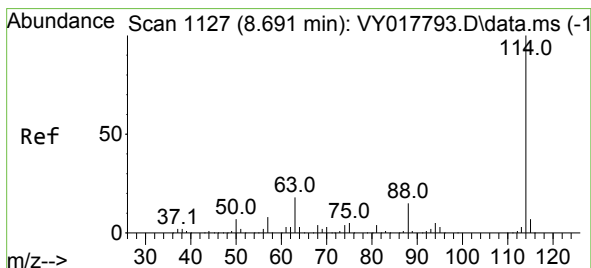
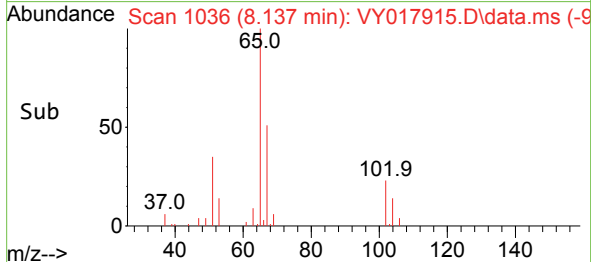
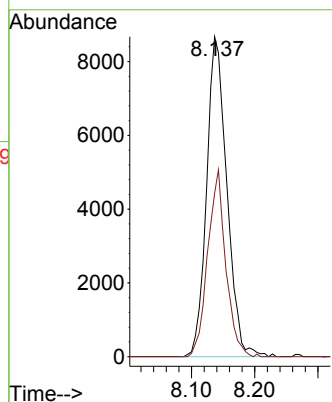
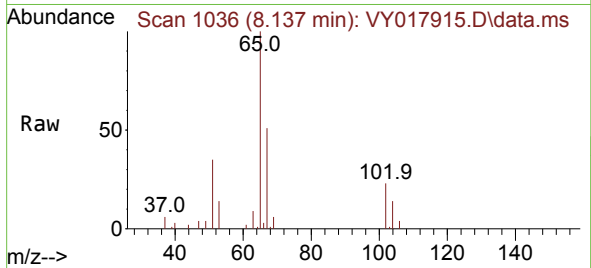




#33
 1,2-Dichloroethane-d4
 Concen: 49.397 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY017915.D
 Acq: 11 Apr 2024 16:48

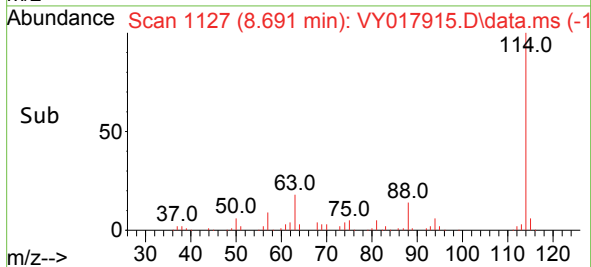
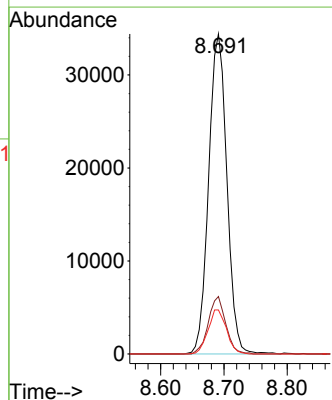
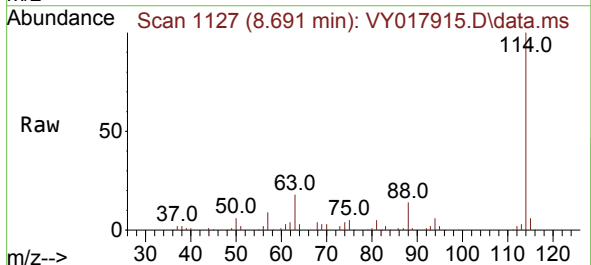
Instrument :
 MSVOA_Y
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 HR-01-041024

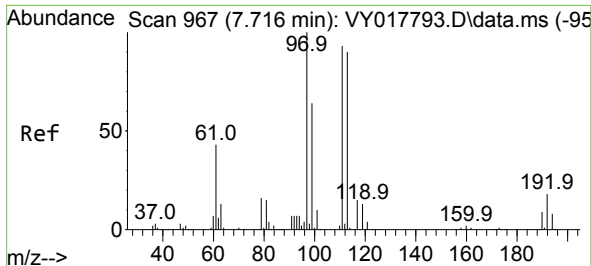
Tgt Ion: 65 Resp: 19353
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY017915.D
 Acq: 11 Apr 2024 16:48

Tgt Ion:114 Resp: 68901
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.0
 88 13.8 0.0 27.2

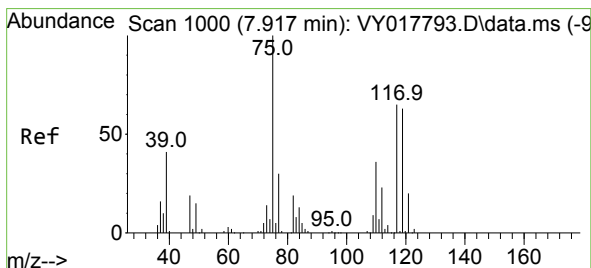
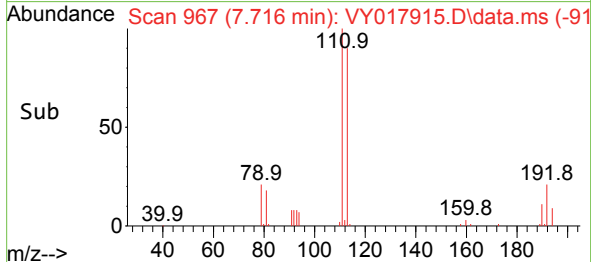
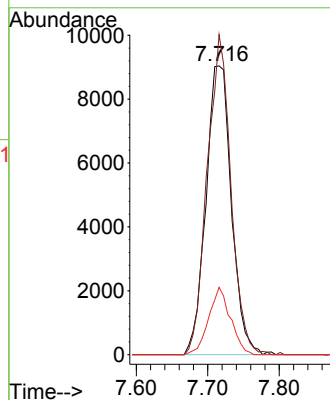
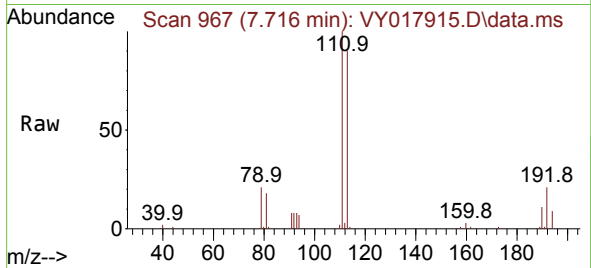




#35
Dibromofluoromethane
Concen: 56.354 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

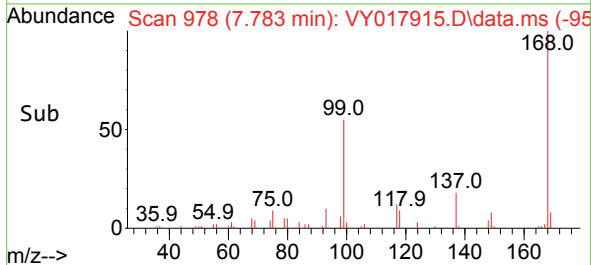
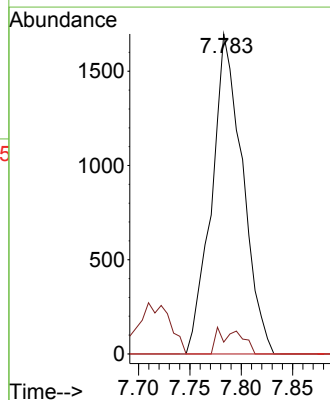
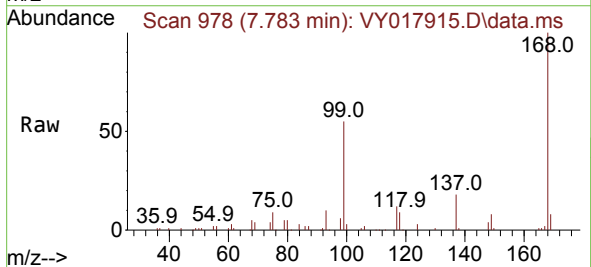
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-041024

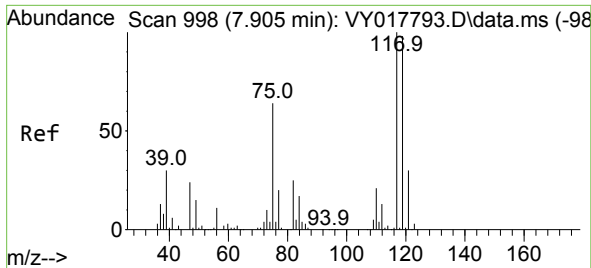
Tgt Ion:113 Resp: 22437
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 20.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.111 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Tgt Ion: 75 Resp: 3550
Ion Ratio Lower Upper
75 100
110 6.0 19.0 57.0#
77 0.0 25.3 37.9#

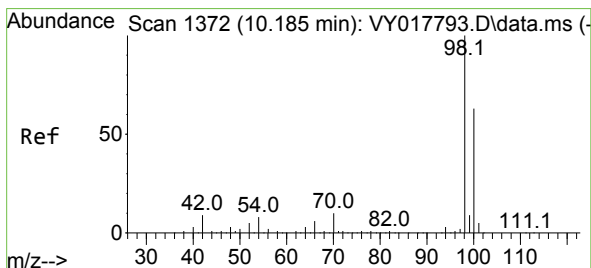
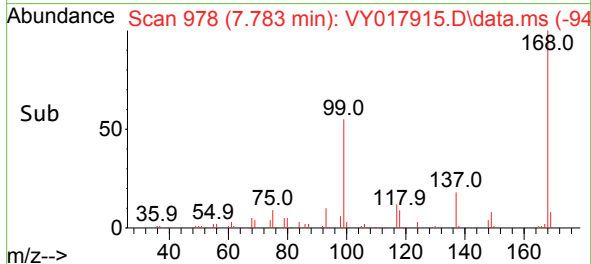
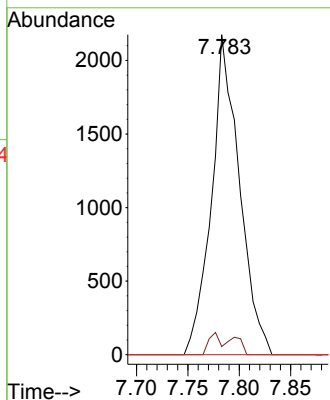
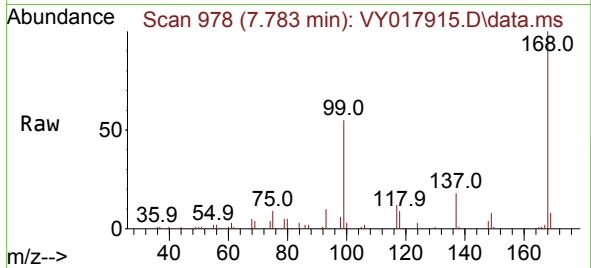




#38
Carbon Tetrachloride
Concen: 6.810 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

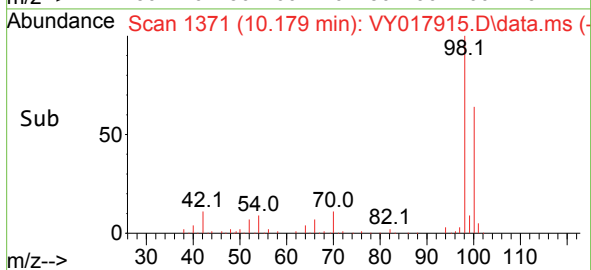
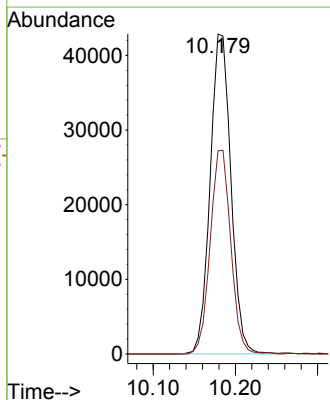
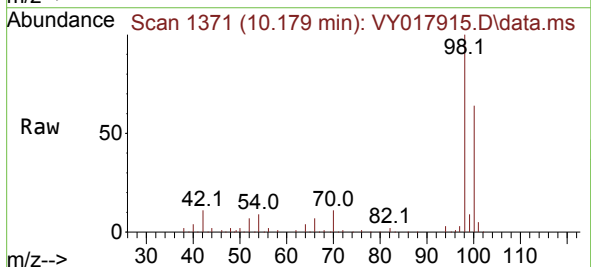
Instrument :
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ClientSampleId :
HR-01-041024

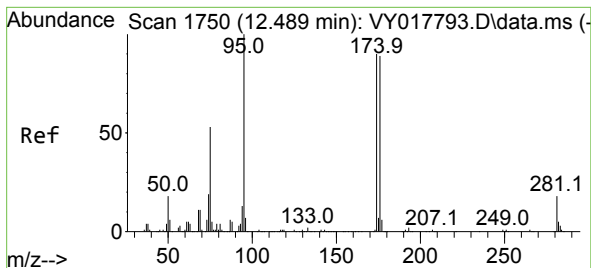
Tgt Ion:117 Resp: 4107
Ion Ratio Lower Upper
117 100
119 2.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.662 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Tgt Ion: 98 Resp: 75346
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0

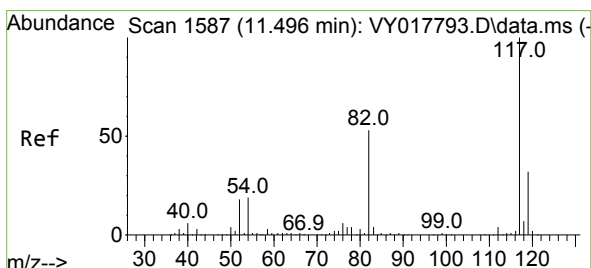
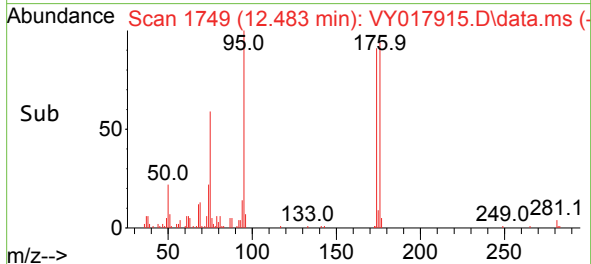
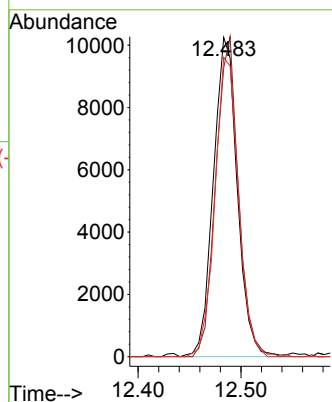
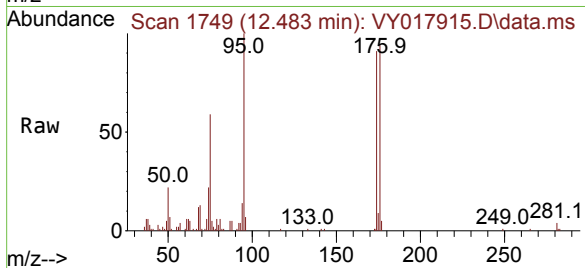




#62
4-Bromofluorobenzene
Concen: 36.534 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

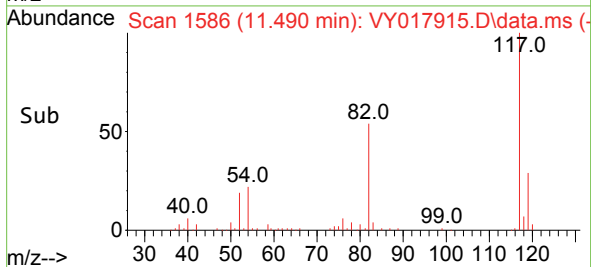
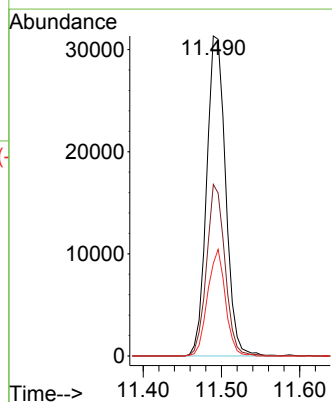
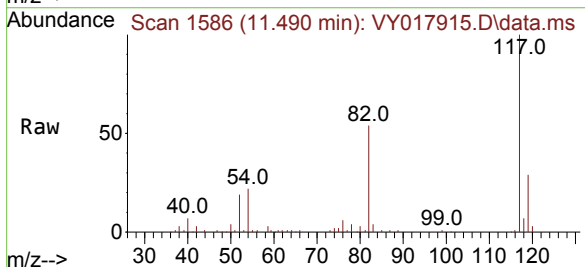
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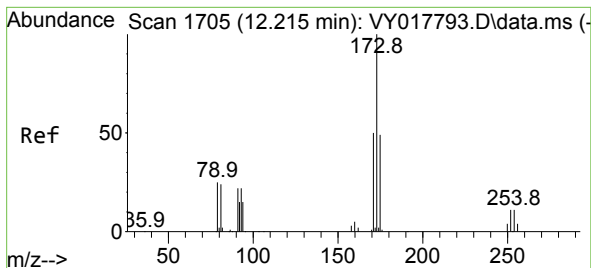
Tgt Ion: 95 Resp: 16531
Ion Ratio Lower Upper
95 100
174 94.6 0.0 175.6
176 92.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Tgt Ion: 117 Resp: 52633
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 28.9 25.9 38.9





#71

Bromoform

Concen: 1.033 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.268 min

Lab File: VY017915.D

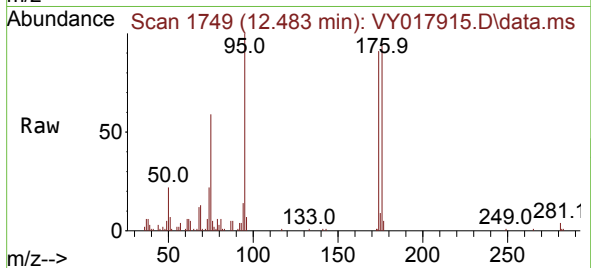
Acq: 11 Apr 2024 16:48

Instrument :

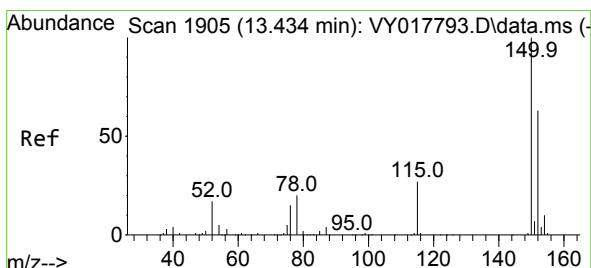
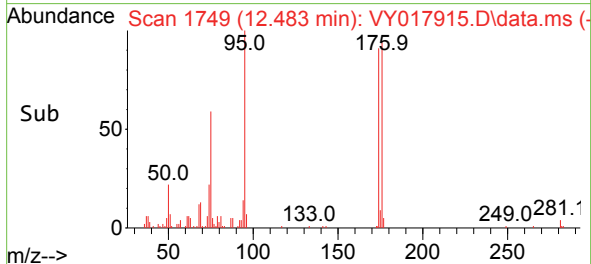
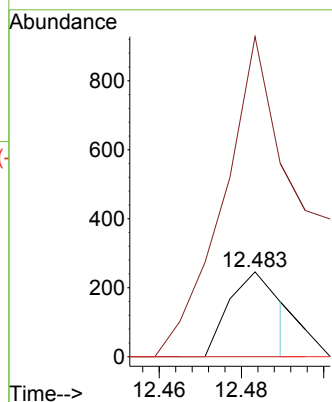
MSVOA_Y

ClientSampleId :

HR-01-041024



Tgt Ion:	173	Resp:	210
Ion Ratio	Lower	Upper	
173	100		
175	415.2	25.1	75.3#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

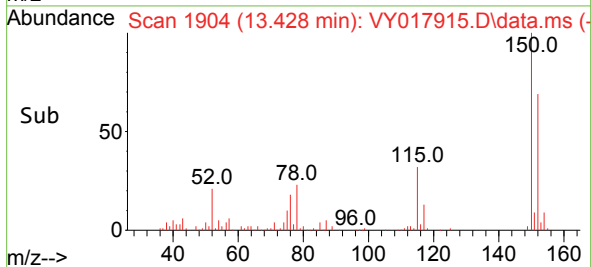
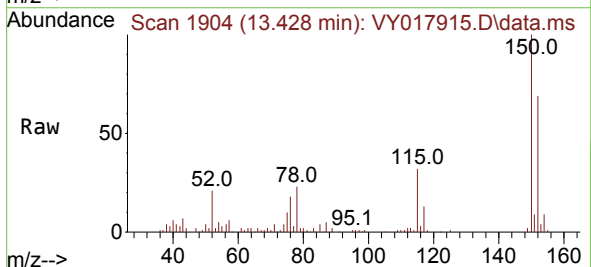
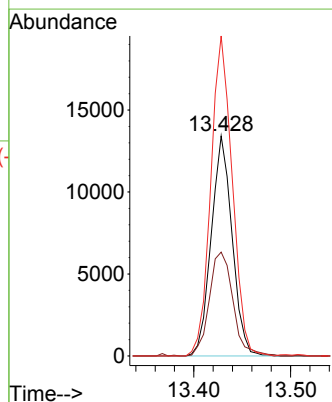
RT: 13.428 min Scan# 1904

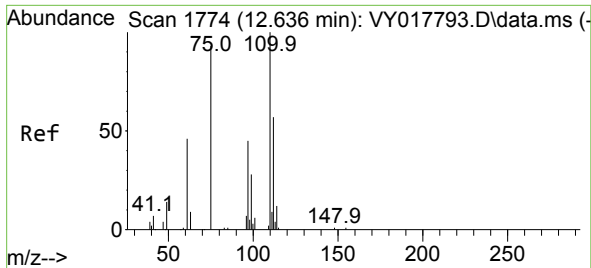
Delta R.T. -0.006 min

Lab File: VY017915.D

Acq: 11 Apr 2024 16:48

Tgt Ion:	152	Resp:	20116
Ion Ratio	Lower	Upper	
152	100		
115	53.5	28.2	84.7
150	149.3	0.0	345.6

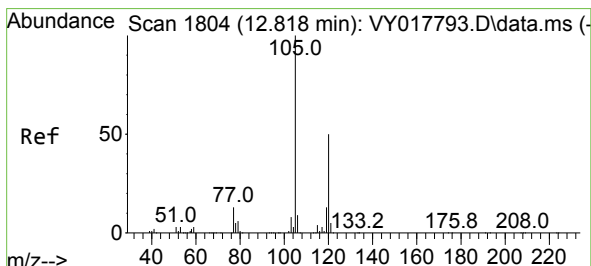
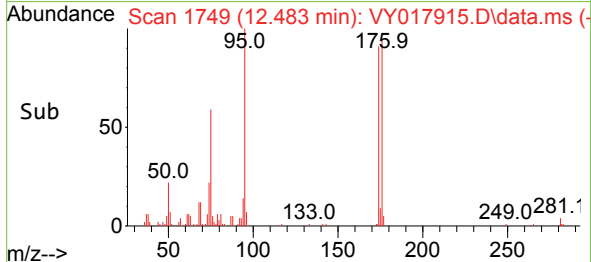
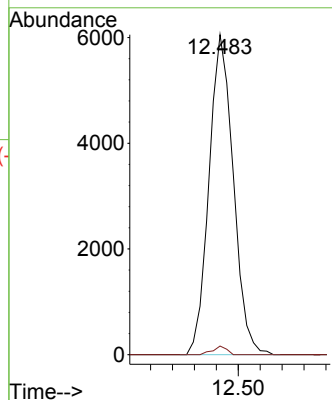
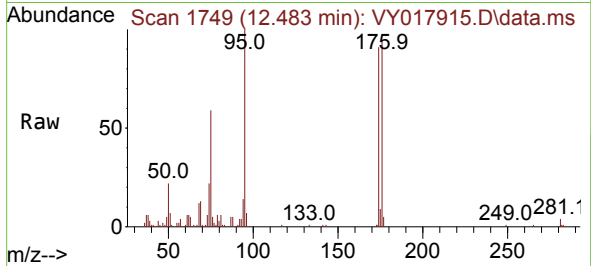




#76
1,2,3-Trichloropropane
Concen: 50.920 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

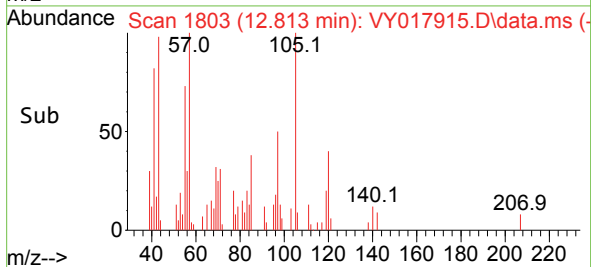
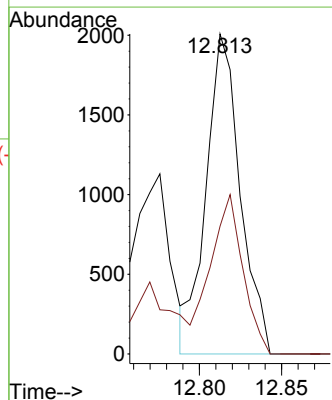
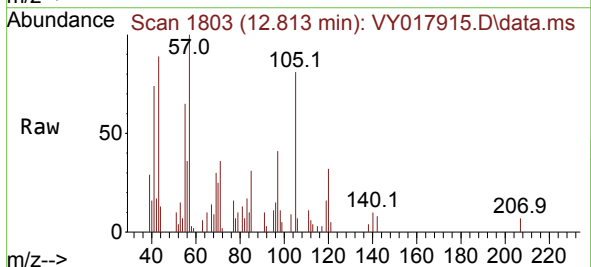
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-041024

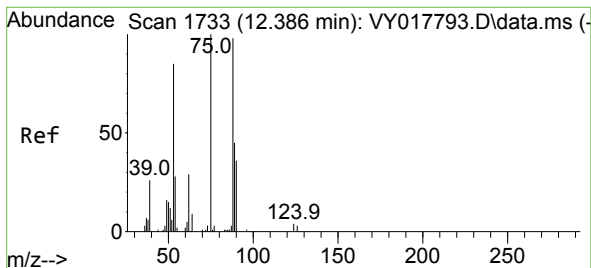
Tgt Ion: 75 Resp: 9334
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.630 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Tgt Ion:105 Resp: 2894
Ion Ratio Lower Upper
105 100
120 47.3 25.1 75.2

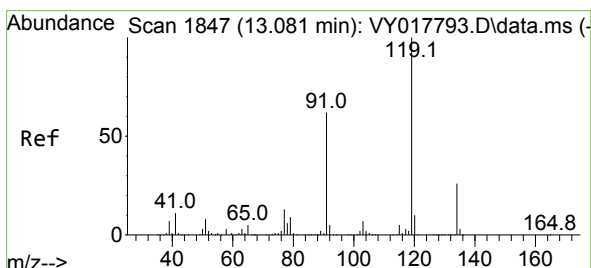
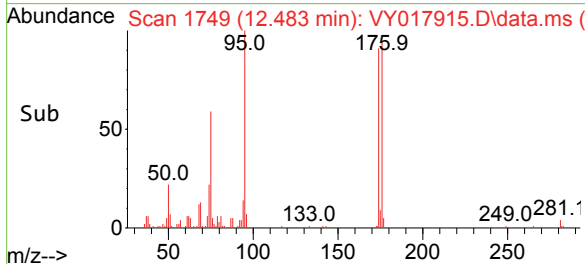
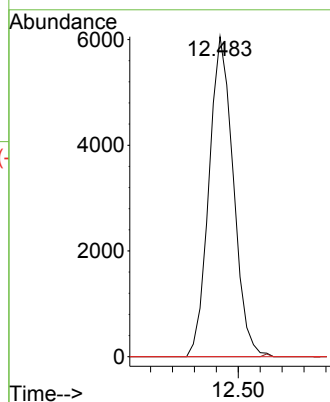
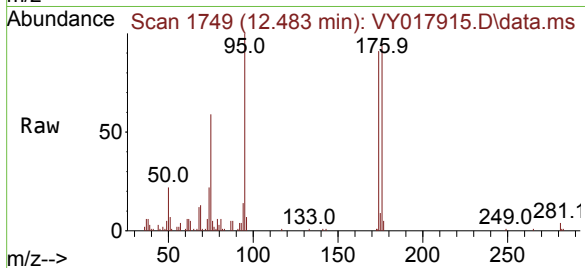




#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.041 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY017915.D
 Acq: 11 Apr 2024 16:48

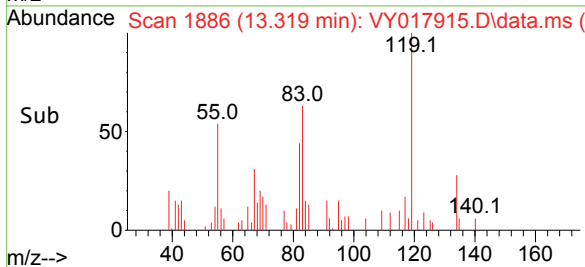
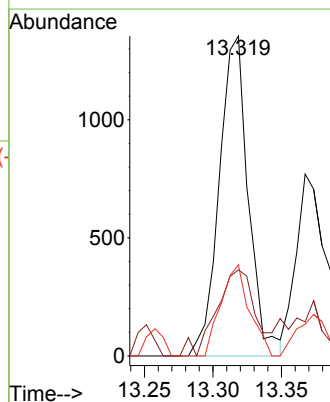
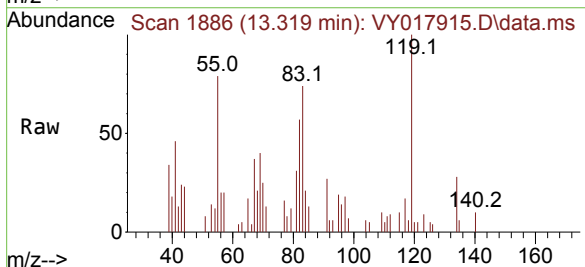
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-041024

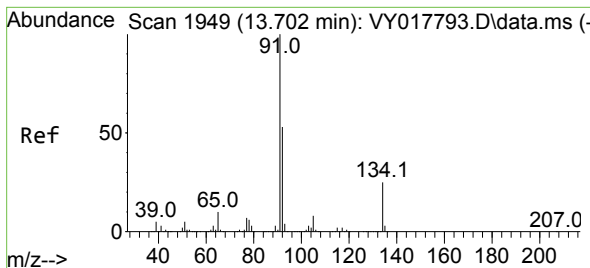
Tgt Ion: 75 Resp: 9334
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#



#83
 tert-Butylbenzene
 Concen: 2.003 ug/l
 RT: 13.319 min Scan# 1886
 Delta R.T. 0.238 min
 Lab File: VY017915.D
 Acq: 11 Apr 2024 16:48

Tgt Ion: 119 Resp: 2004
 Ion Ratio Lower Upper
 119 100
 91 36.4 31.3 93.8
 134 27.8 13.4 40.1





#89

n-Butylbenzene

Concen: 2.106 ug/l

RT: 13.666 min Scan# 1943

Delta R.T. -0.036 min

Lab File: VY017915.D

Acq: 11 Apr 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-041024

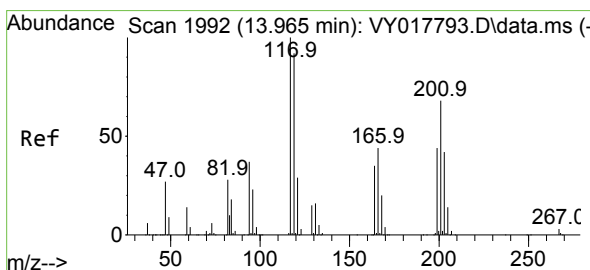
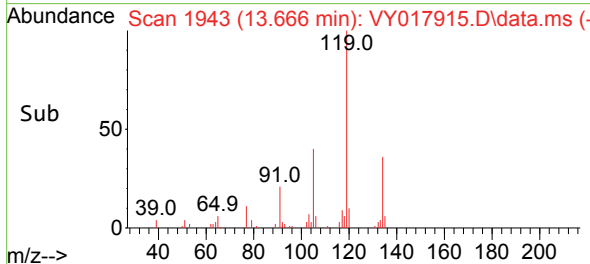
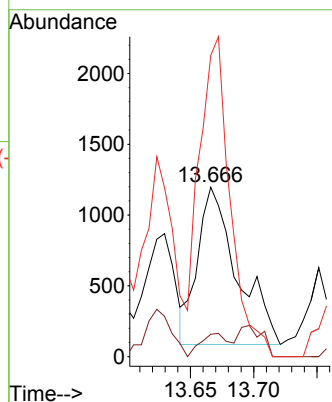
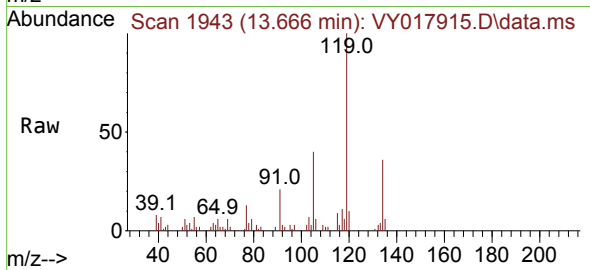
Tgt Ion: 91 Resp: 2431

Ion Ratio Lower Upper

91 100

92 10.7 26.6 79.7#

134 156.8 12.9 38.7#



#90

Hexachloroethane

Concen: 4.585 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY017915.D

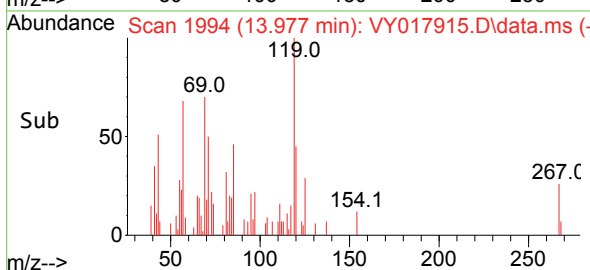
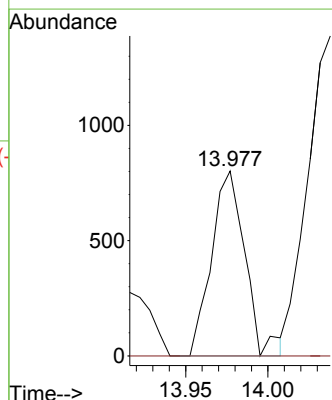
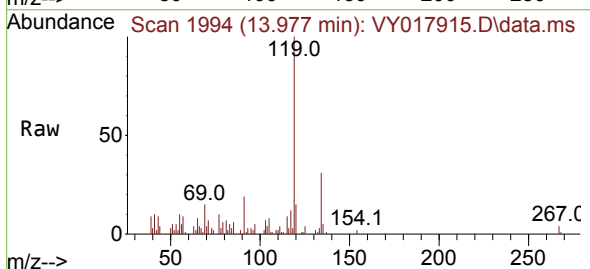
Acq: 11 Apr 2024 16:48

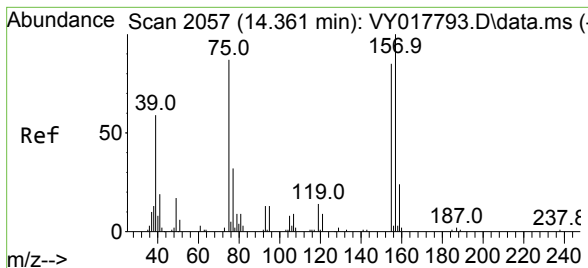
Tgt Ion: 117 Resp: 1144

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#

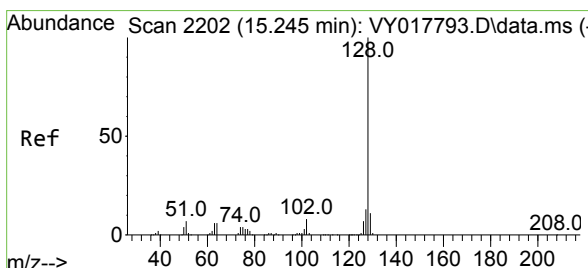
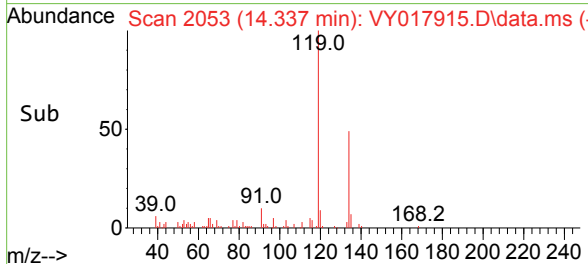
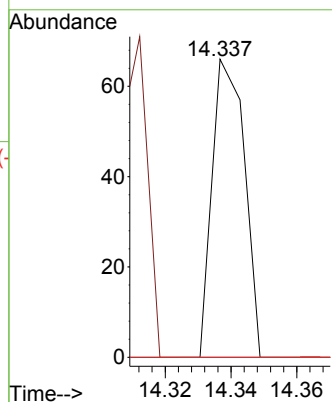
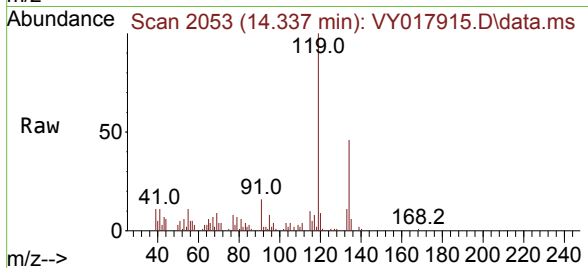




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.366 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.024 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-041024

Tgt Ion: 75 Resp: 45
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 2.532 ug/l
RT: 15.208 min Scan# 2196
Delta R.T. -0.037 min
Lab File: VY017915.D
Acq: 11 Apr 2024 16:48

Tgt Ion: 128 Resp: 743
Ion Ratio Lower Upper
128 100
127 32.3 10.6 16.0#
129 16.3 8.6 13.0#

