

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013541.D
 Acq On : 01 May 2023 16:27
 Operator : KP/MD
 Sample : 02563-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-042823

Quant Time: May 01 22:50:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

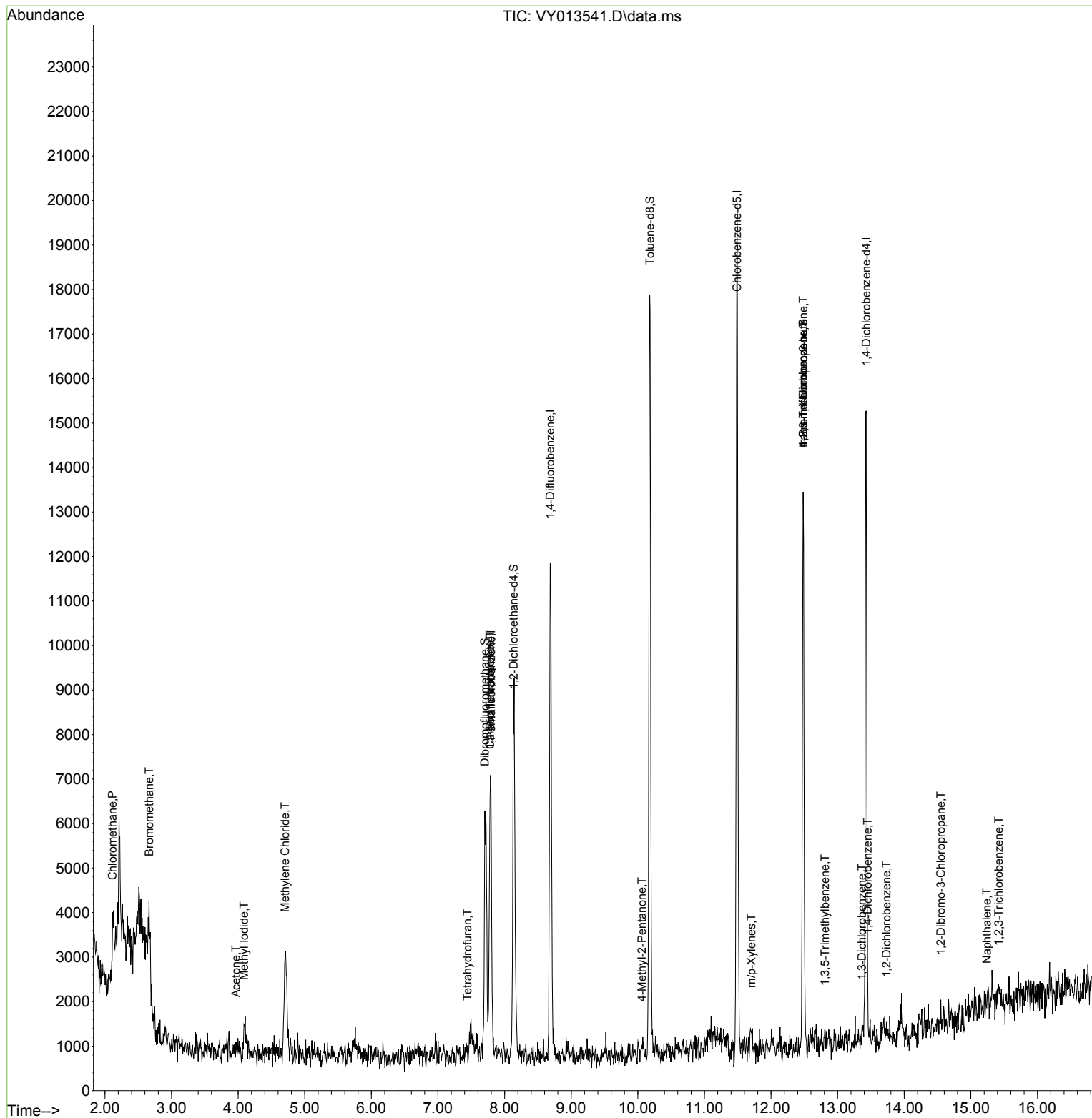
Internal Standards						
1) Pentafluorobenzene	7.795	168	5772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	9713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6908	109.176	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 218.360%#	
35) Dibromofluoromethane	7.703	113	4105	67.196	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.400%	
50) Toluene-d8	10.185	98	12192	56.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.200%	
62) 4-Bromofluorobenzene	12.483	95	3801	51.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	751	10.210	ug/l #	23
5) Bromomethane	2.662	94	802	13.742	ug/l	91
10) Methyl Iodide	4.088	142	540	6.909	ug/l #	84
13) Acrolein	3.832	56	29	Below Cal	#	16
16) Acetone	3.966	43	289	11.598	ug/l #	85
20) Methylene Chloride	4.704	84	1601	14.817	ug/l #	75
29) Tetrahydrofuran	7.441	42	21	1.068	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	423	4.172	ug/l #	40
38) Carbon Tetrachloride	7.783	117	606	5.703	ug/l #	11
51) 4-Methyl-2-Pentanone	10.063	43	191	2.662	ug/l #	37
68) m/p-Xylenes	11.703	106	176	1.191	ug/l #	63
76) 1,2,3-Trichloropropane	12.483	75	1927	36.979	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	263	1.103	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.483	75	1927	75.643	ug/l #	12
87) 1,3-Dichlorobenzene	13.367	146	333	2.468	ug/l #	37
88) 1,4-Dichlorobenzene	13.452	146	267	1.959	ug/l #	53
91) 1,2-Dichlorobenzene	13.733	146	246	2.019	ug/l #	59
92) 1,2-Dibromo-3-Chloropr...	14.550	75	46	3.646	ug/l #	1
95) Naphthalene	15.239	128	387	2.456	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	204	3.151	ug/l #	82

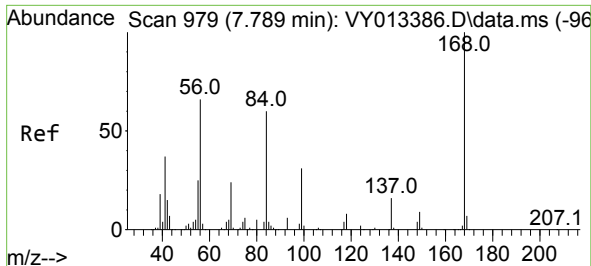
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

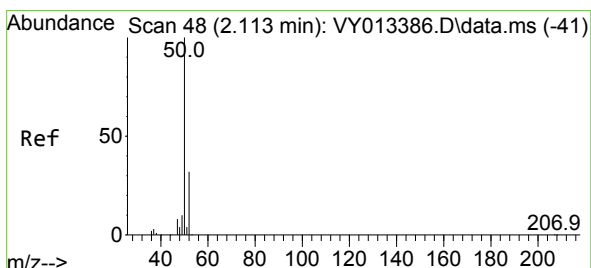
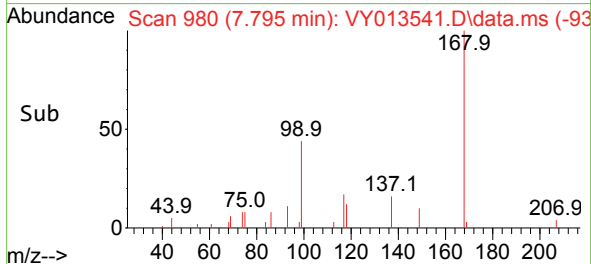
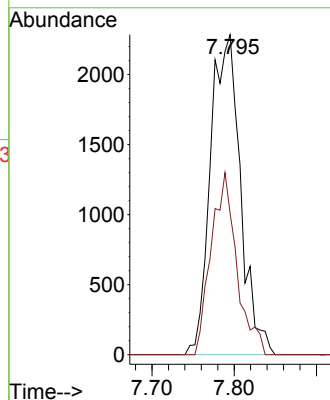
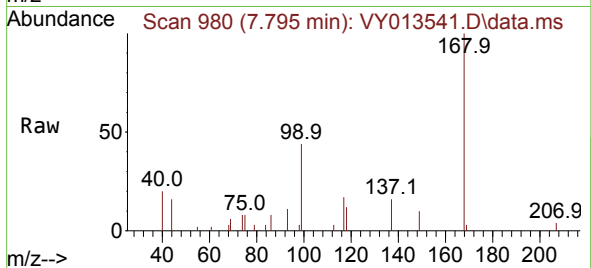




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

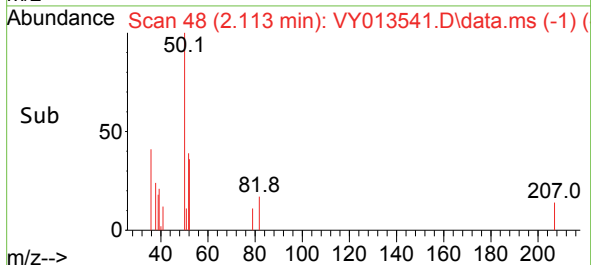
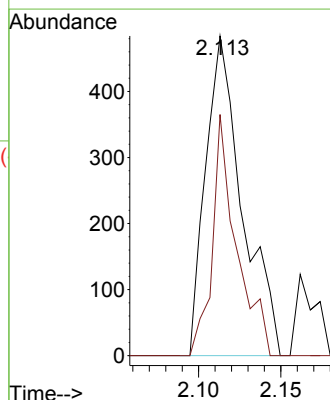
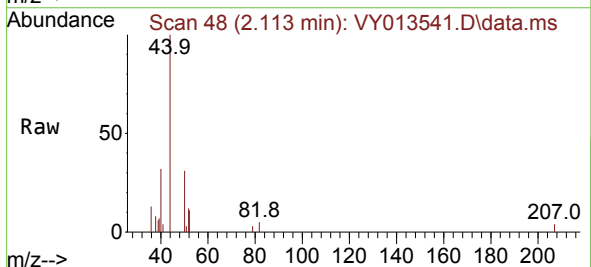
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

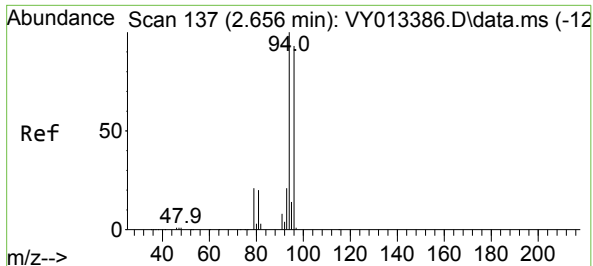
Tgt Ion:168 Resp: 5772
Ion Ratio Lower Upper
168 100
99 44.2 41.8 62.6



#3
Chloromethane
Concen: 10.210 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 50 Resp: 751
Ion Ratio Lower Upper
50 100
52 75.4 25.9 38.9#

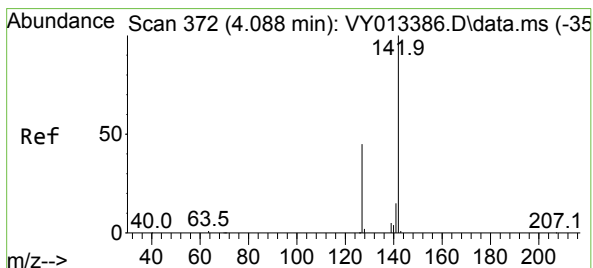
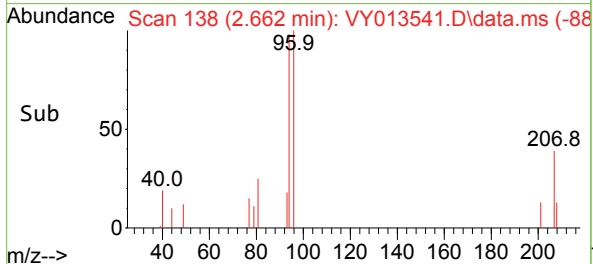
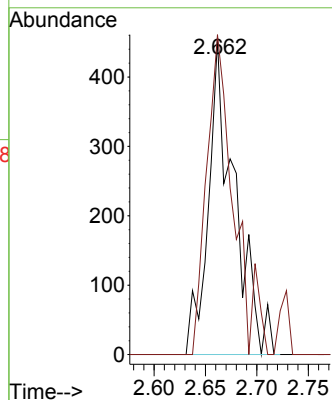
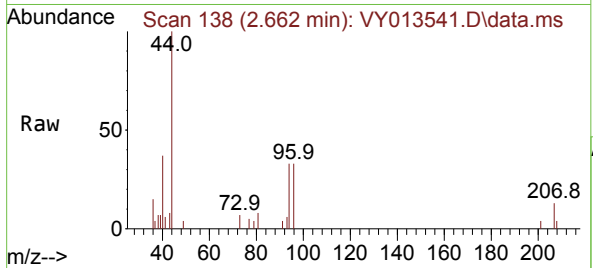




#5
Bromomethane
Concen: 13.742 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

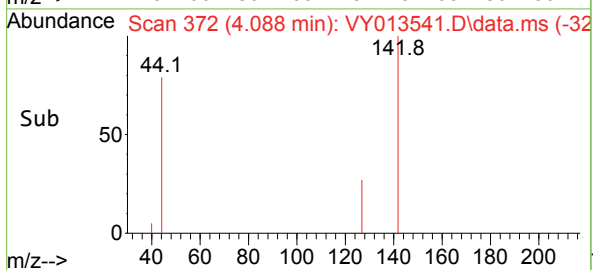
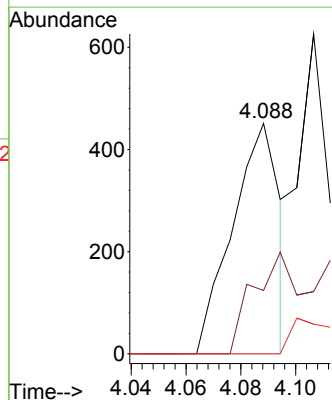
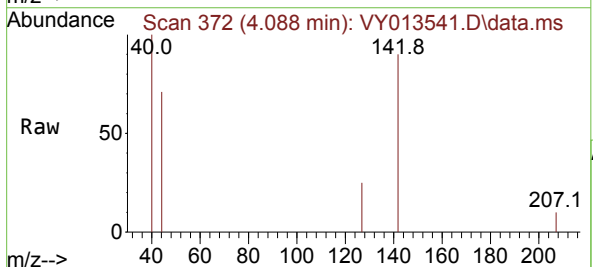
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

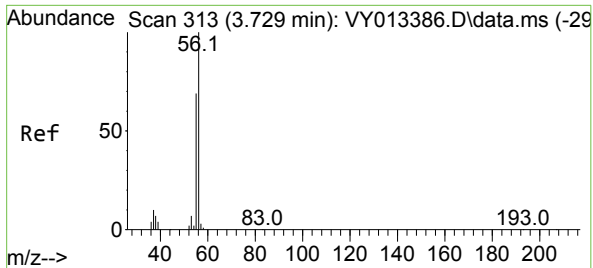
Tgt Ion: 94 Resp: 802
Ion Ratio Lower Upper
94 100
96 101.5 74.2 111.2



#10
Methyl Iodide
Concen: 6.909 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion:142 Resp: 540
Ion Ratio Lower Upper
142 100
127 38.9 36.1 54.1
141 0.0 11.6 17.4#





#13

Acrolein

Concen: Below Cal

RT: 3.832 min Scan# 31

Delta R.T. 0.103 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

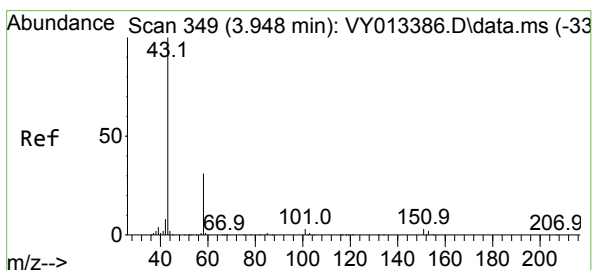
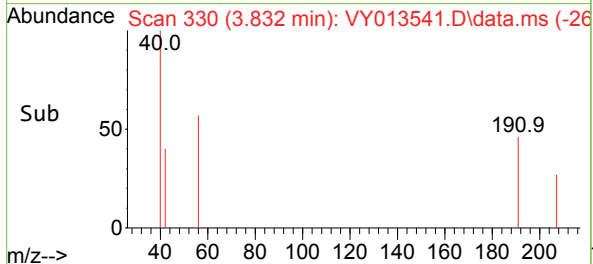
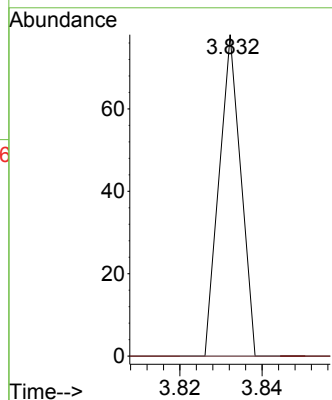
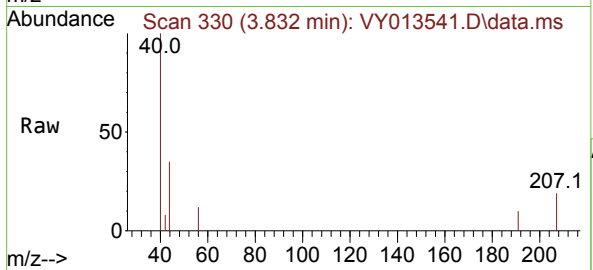
HR-03-042823

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 11.598 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.018 min

Lab File: VY013541.D

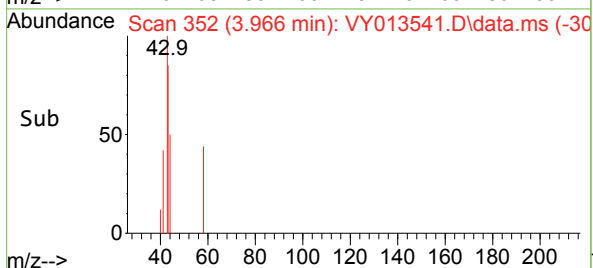
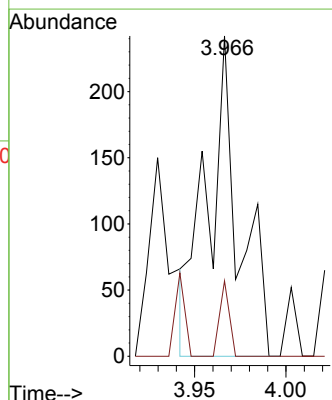
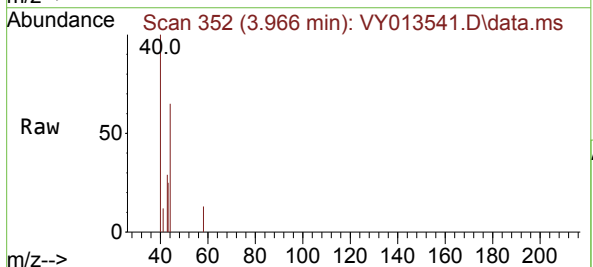
Acq: 01 May 2023 16:27

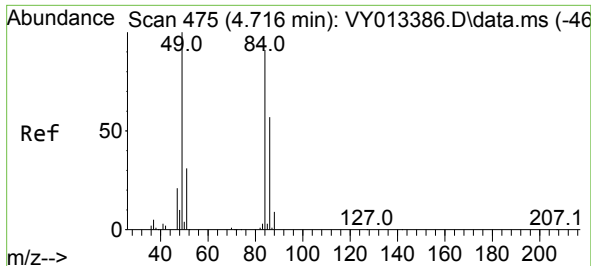
Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

58 23.6 25.4 38.0#

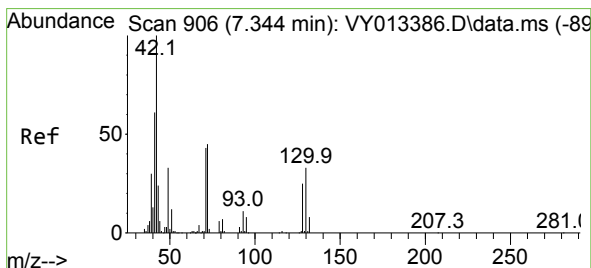
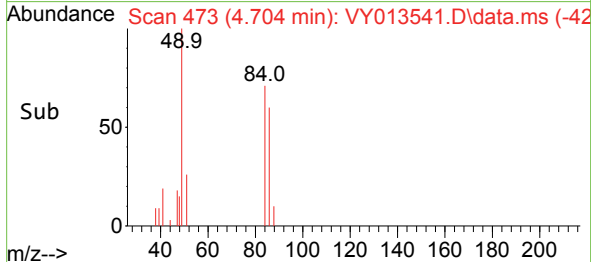
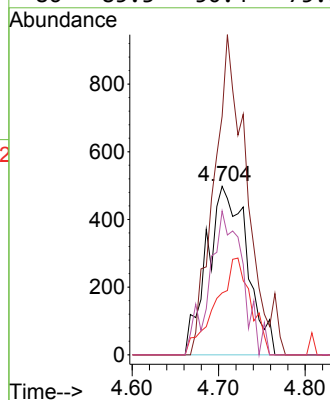
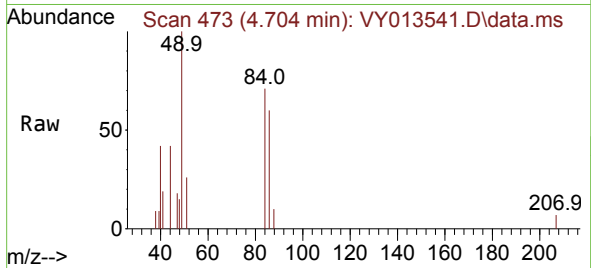




#20
Methylene Chloride
Concen: 14.817 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

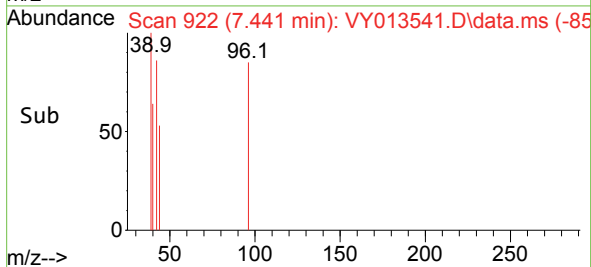
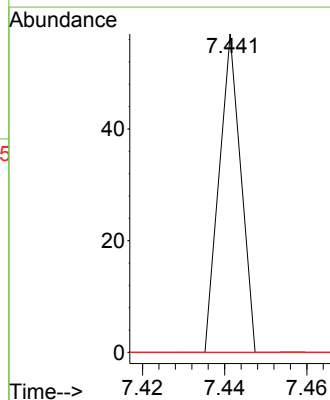
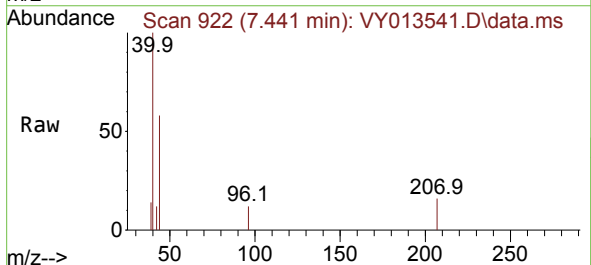
Instrument :
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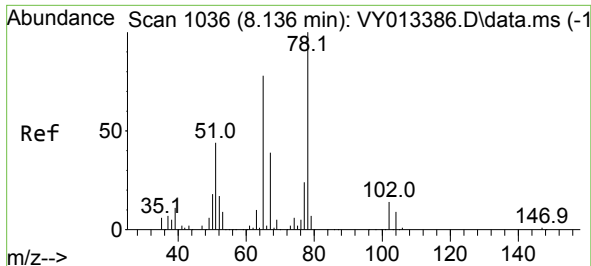
Tgt Ion:	84	Resp:	1601
Ion	Ratio	Lower	Upper
84	100		
49	141.6	88.0	132.0#
51	36.7	27.4	41.0
86	85.3	50.4	75.6#



#29
Tetrahydrofuran
Concen: 1.068 ug/l
RT: 7.441 min Scan# 922
Delta R.T. 0.097 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion:	42	Resp:	21
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.3	51.5#

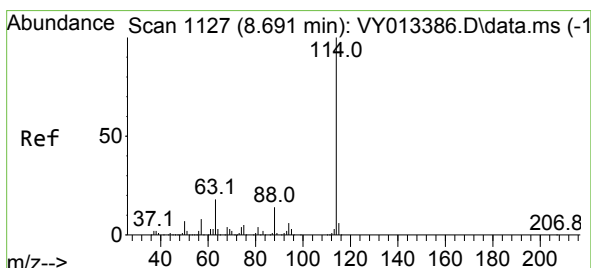
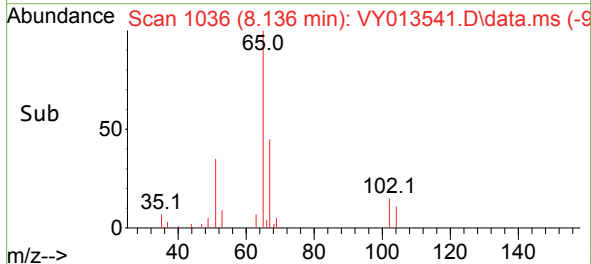
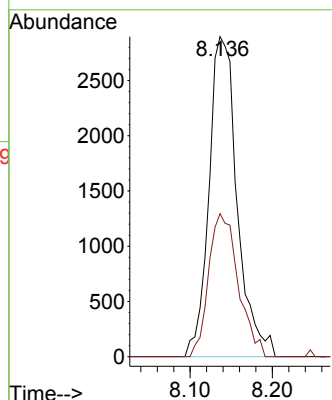
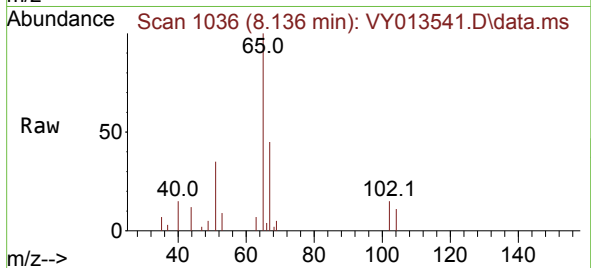




#33
1,2-Dichloroethane-d4
Concen: 109.176 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

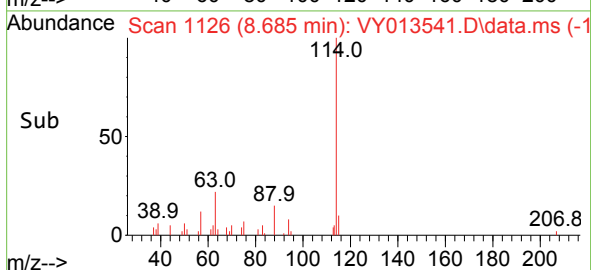
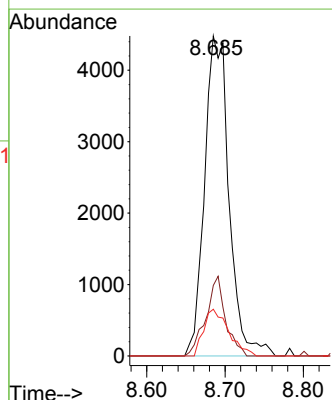
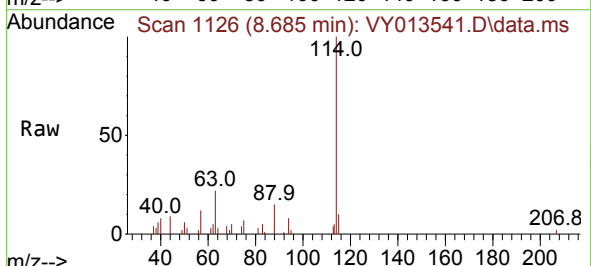
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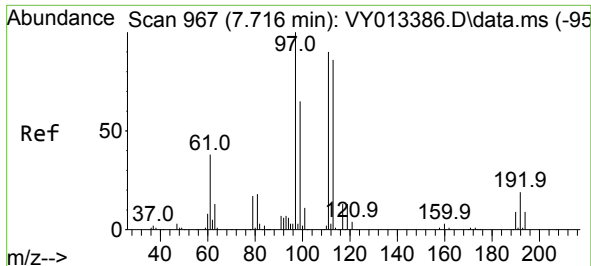
Tgt Ion: 65 Resp: 6908
Ion Ratio Lower Upper
65 100
67 46.9 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 114 Resp: 9713
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.6
88 14.6 0.0 28.8

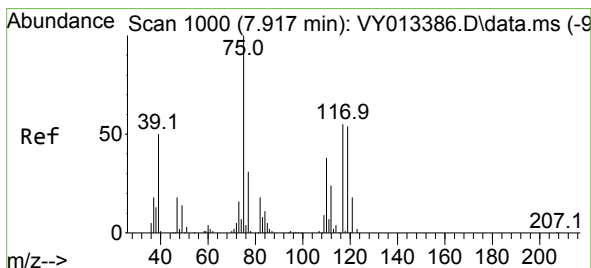
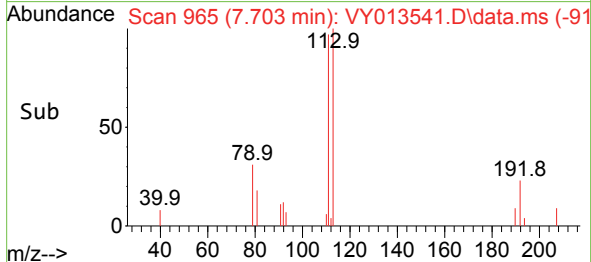
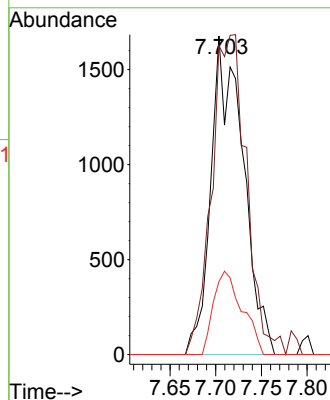
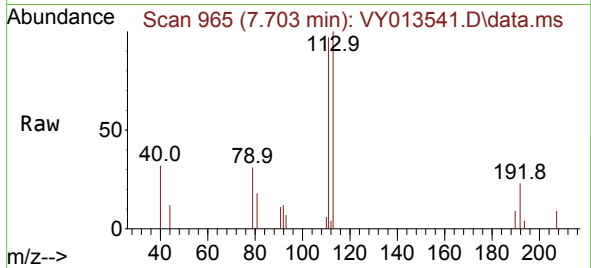




#35
Dibromofluoromethane
Concen: 67.196 ug/l
RT: 7.703 min Scan# 910
Delta R.T. -0.013 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

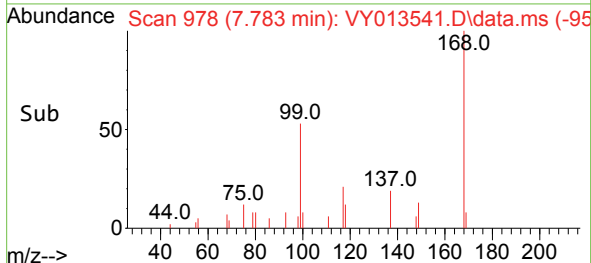
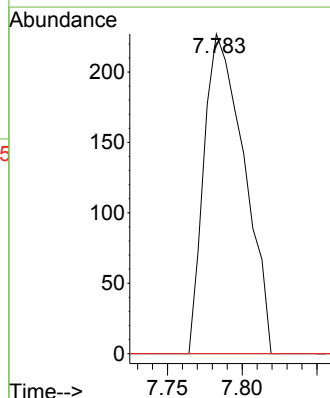
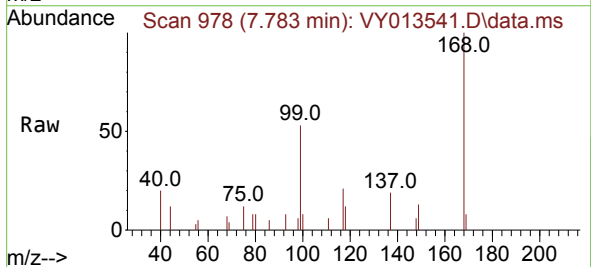
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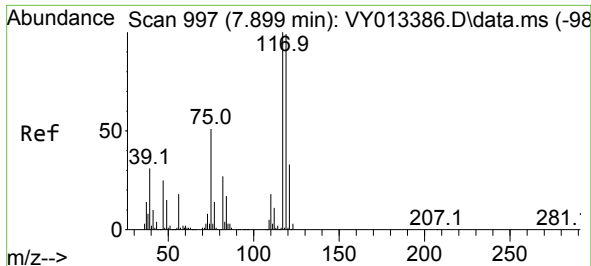
Tgt Ion:113 Resp: 4105
Ion Ratio Lower Upper
113 100
111 108.4 82.2 123.2
192 23.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.172 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 75 Resp: 423
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 0.0 24.6 37.0#

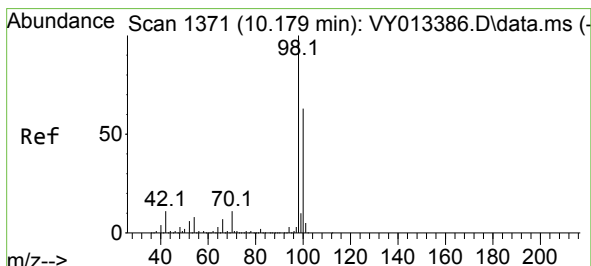
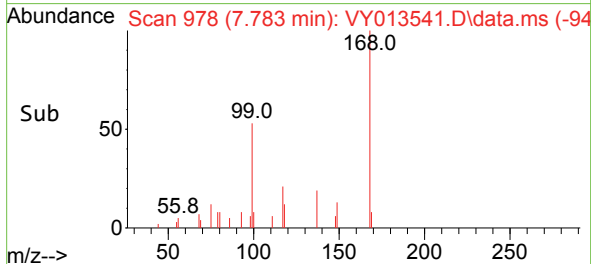
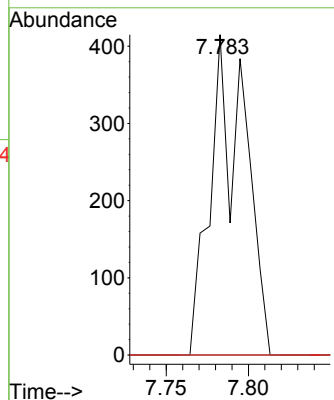
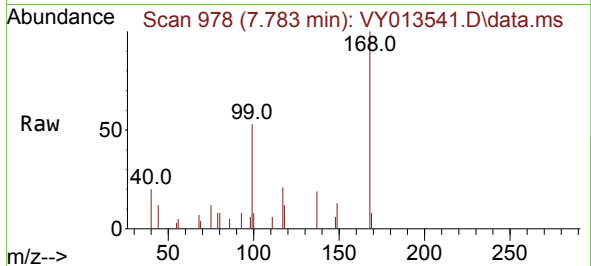




#38
Carbon Tetrachloride
Concen: 5.703 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

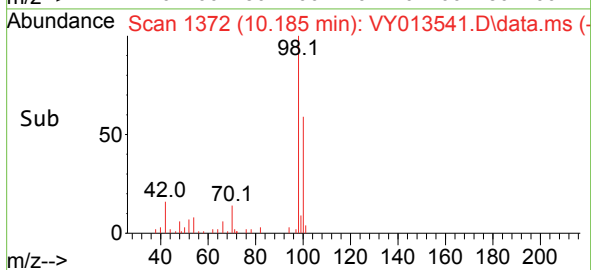
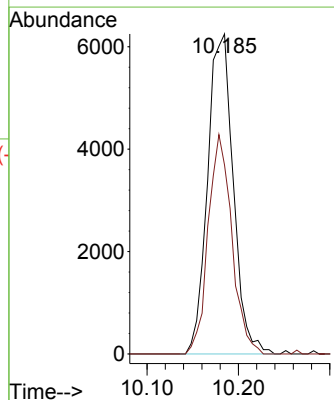
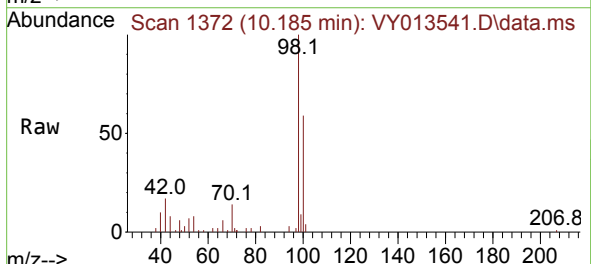
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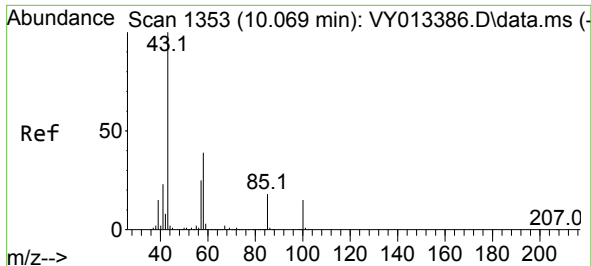
Tgt Ion:117 Resp: 606
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 56.101 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 98 Resp: 12192
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7

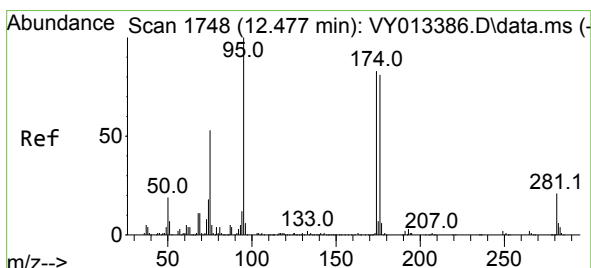
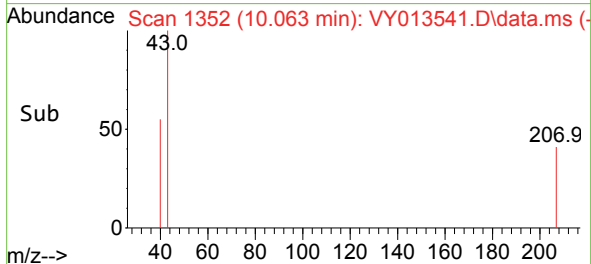
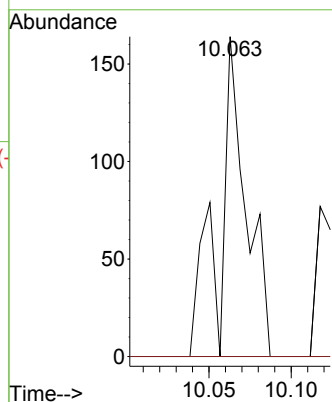
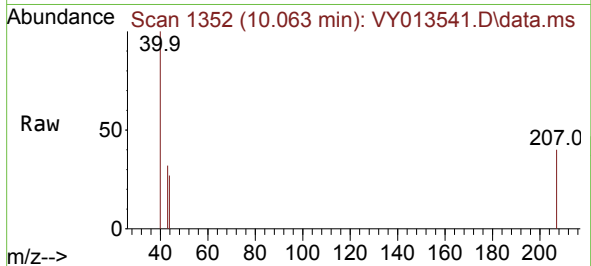




#51
4-Methyl-2-Pentanone
Concen: 2.662 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

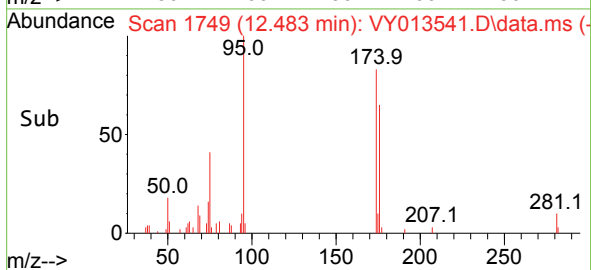
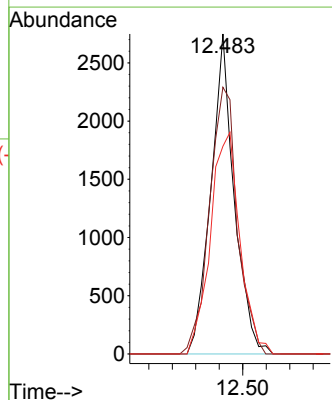
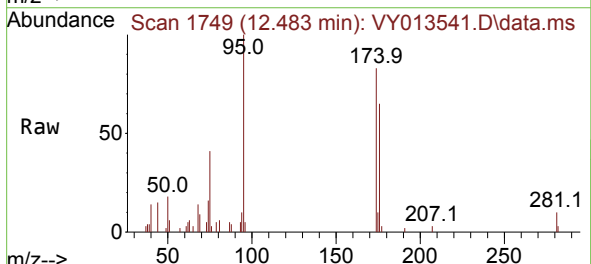
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

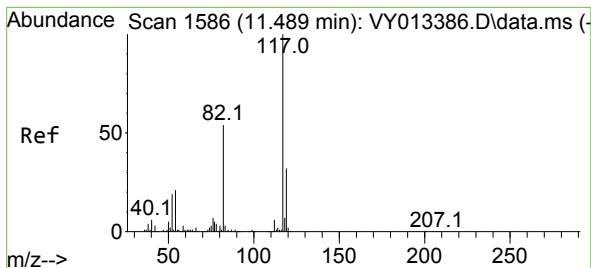
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 51.880 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion: 95 Resp: 3801
Ion Ratio Lower Upper
95 100
174 99.4 0.0 182.0
176 87.4 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-042823

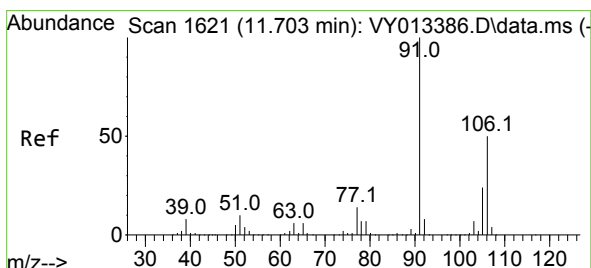
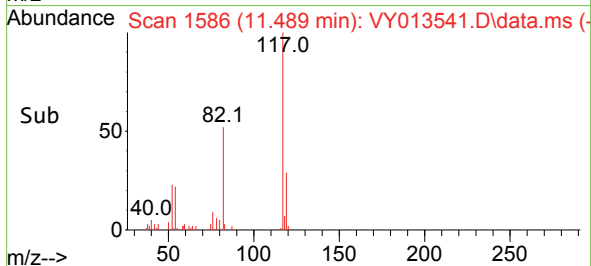
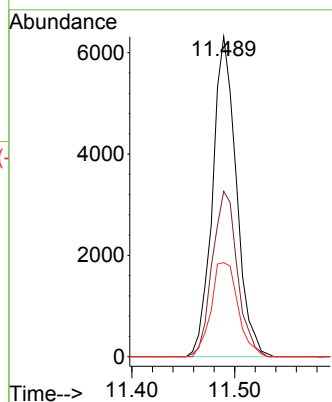
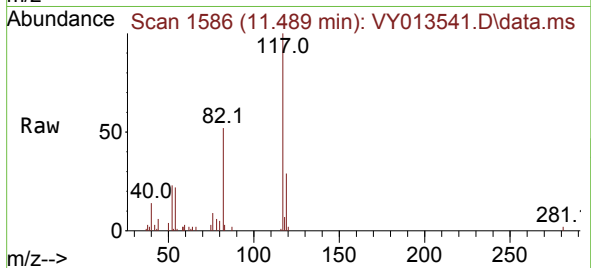
Tgt Ion:117 Resp: 10163

Ion Ratio Lower Upper

117 100

82 51.7 43.0 64.6

119 29.4 25.5 38.3



#68

m/p-Xylenes

Concen: 1.191 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY013541.D

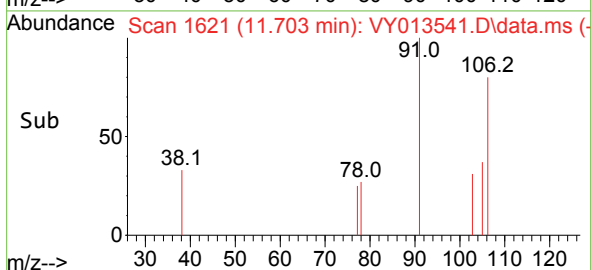
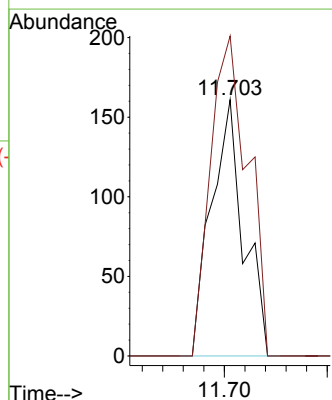
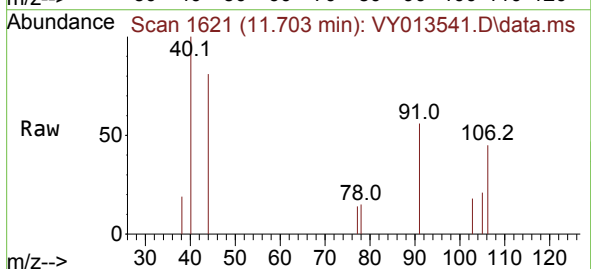
Acq: 01 May 2023 16:27

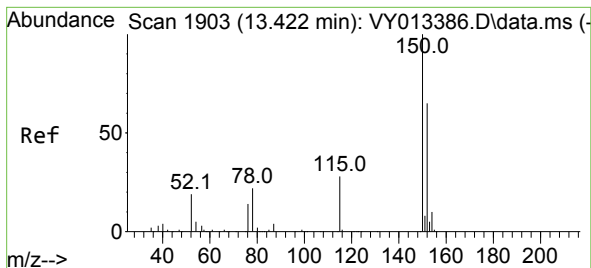
Tgt Ion:106 Resp: 176

Ion Ratio Lower Upper

106 100

91 144.9 160.9 241.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013541.D

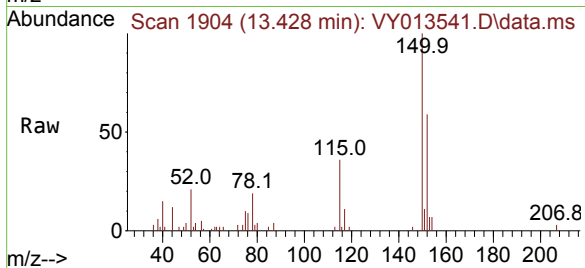
Acq: 01 May 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-042823



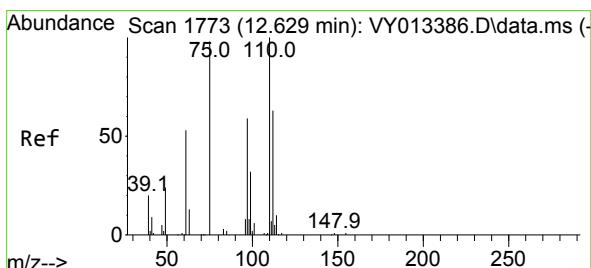
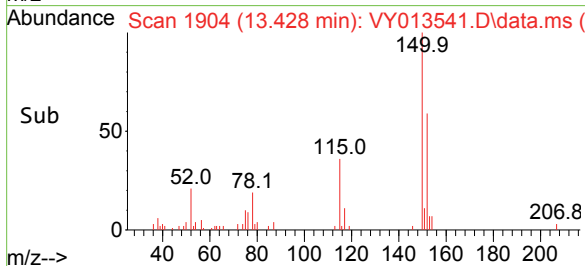
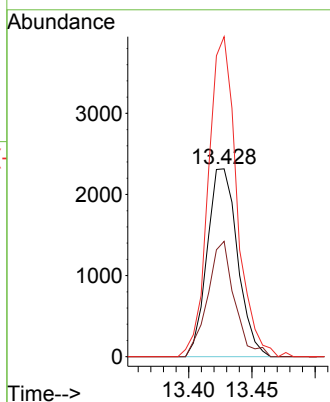
Tgt Ion:152 Resp: 3864

Ion Ratio Lower Upper

152 100

115 54.4 28.1 84.2

150 159.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.979 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013541.D

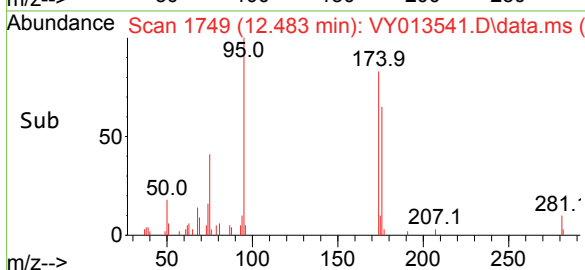
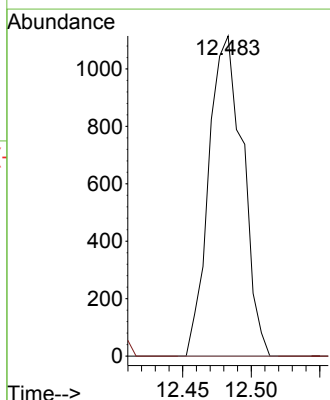
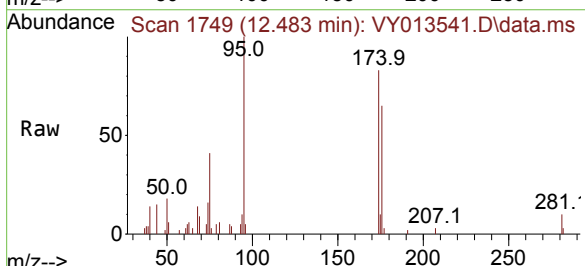
Acq: 01 May 2023 16:27

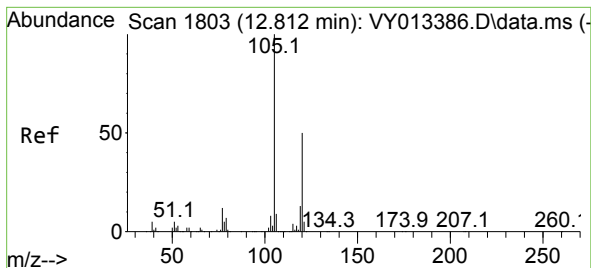
Tgt Ion: 75 Resp: 1927

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#80

1,3,5-Trimethylbenzene

Concen: 1.103 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

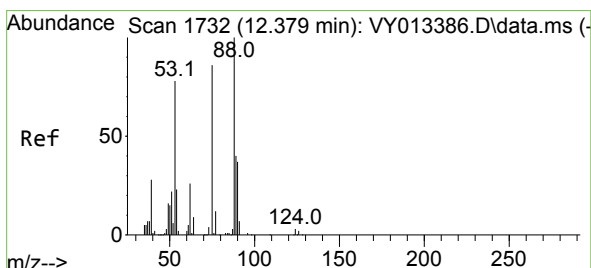
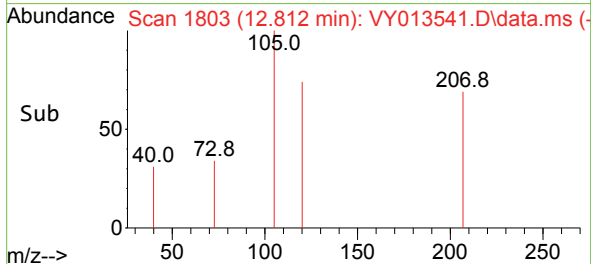
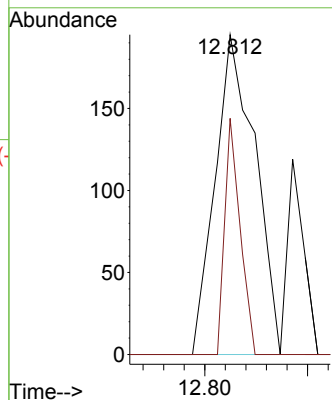
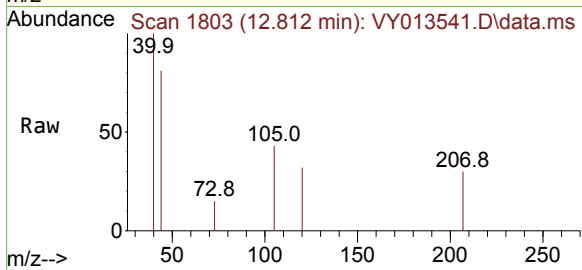
HR-03-042823

Tgt Ion:105 Resp: 263

Ion Ratio Lower Upper

105 100

120 28.5 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 75.643 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

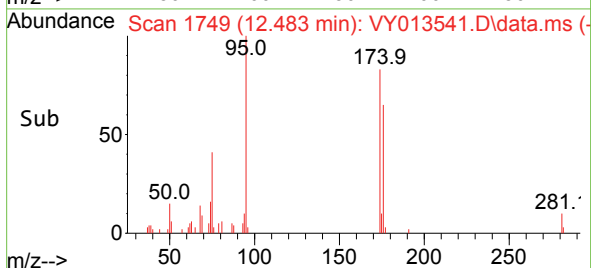
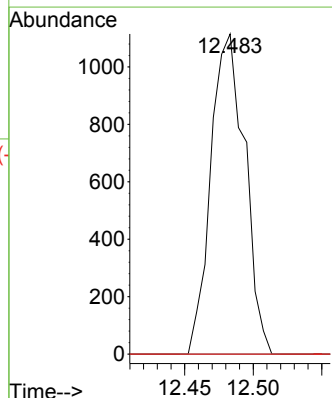
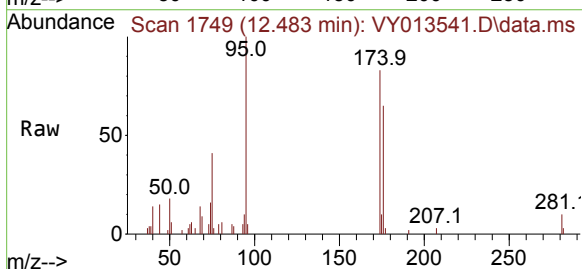
Tgt Ion: 75 Resp: 1927

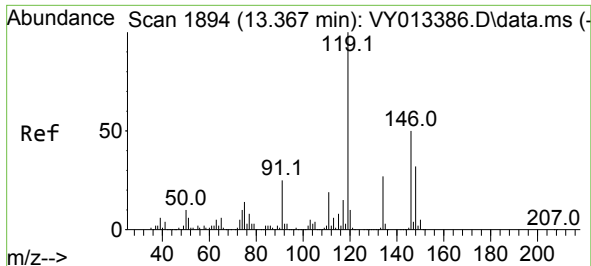
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 38.0 57.0#

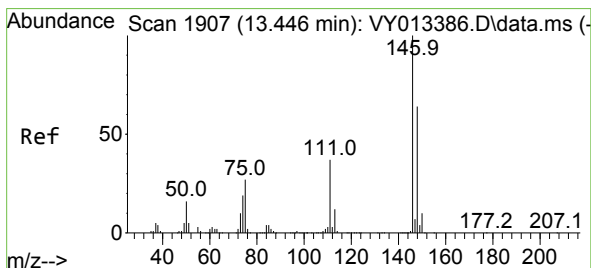
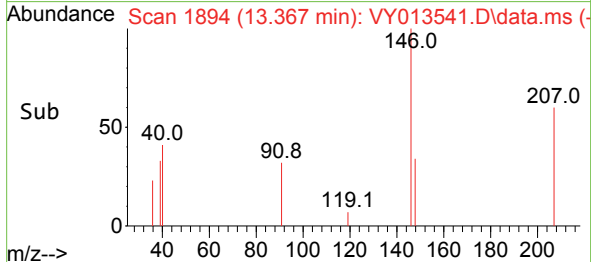
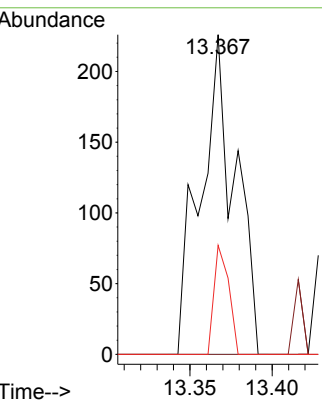
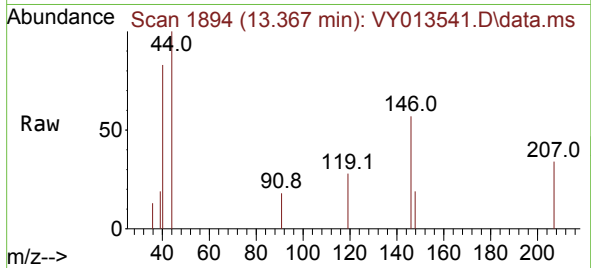




#87
 1,3-Dichlorobenzene
 Concen: 2.468 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013541.D
 Acq: 01 May 2023 16:27

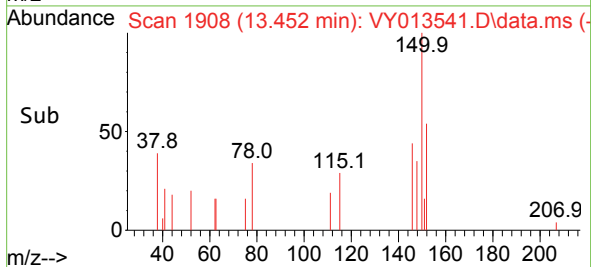
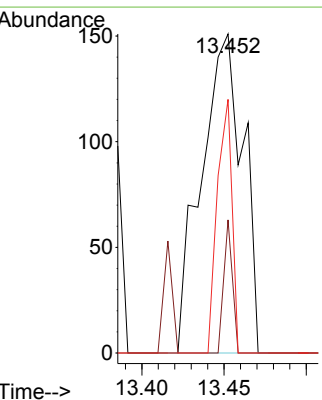
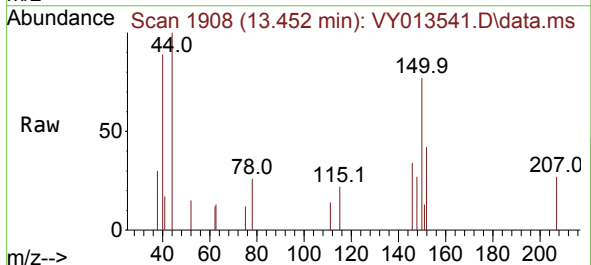
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-042823

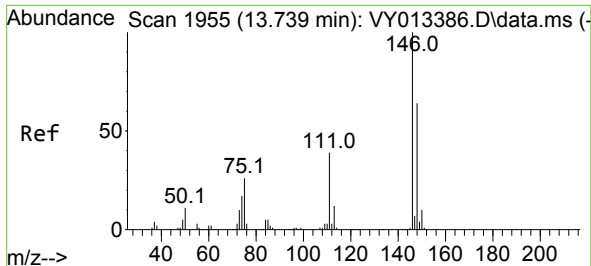
Tgt Ion:146 Resp: 333
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.3 57.9#
 148 14.4 31.9 95.7#



#88
 1,4-Dichlorobenzene
 Concen: 1.959 ug/l
 RT: 13.452 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY013541.D
 Acq: 01 May 2023 16:27

Tgt Ion:146 Resp: 267
 Ion Ratio Lower Upper
 146 100
 111 8.6 18.9 56.5#
 148 28.1 31.9 95.5#





#91

1,2-Dichlorobenzene

Concen: 2.019 ug/l

RT: 13.733 min Scan# 1954

Delta R.T. -0.006 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-042823

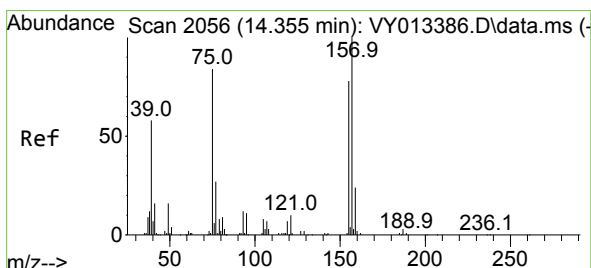
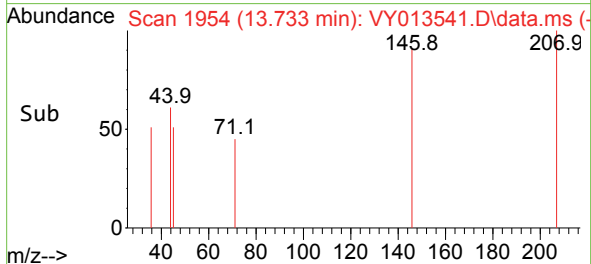
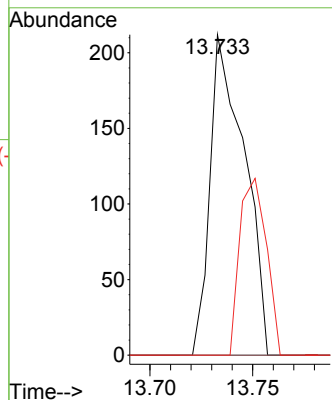
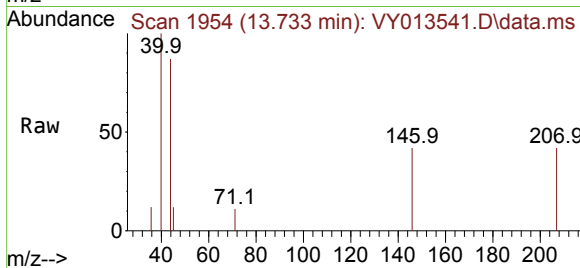
Tgt Ion:146 Resp: 246

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

148 43.1 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.646 ug/l

RT: 14.550 min Scan# 2088

Delta R.T. 0.195 min

Lab File: VY013541.D

Acq: 01 May 2023 16:27

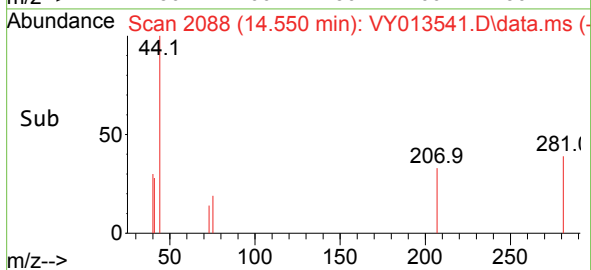
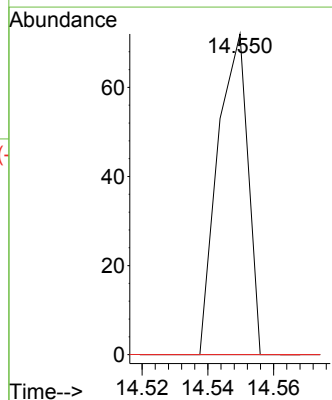
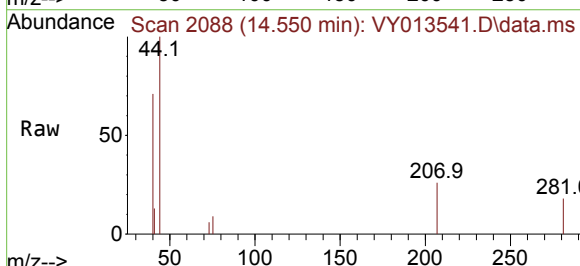
Tgt Ion: 75 Resp: 46

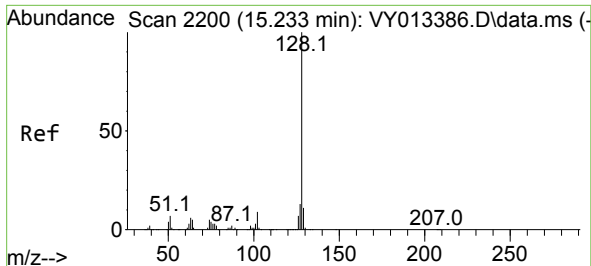
Ion Ratio Lower Upper

75 100

155 0.0 44.6 134.0#

157 0.0 57.6 172.7#

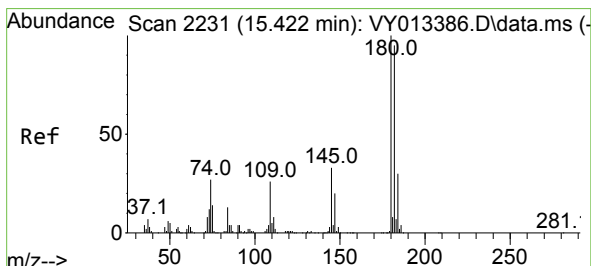
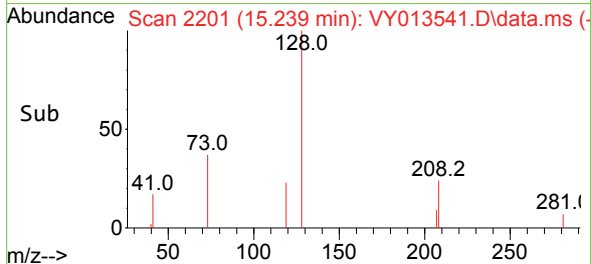
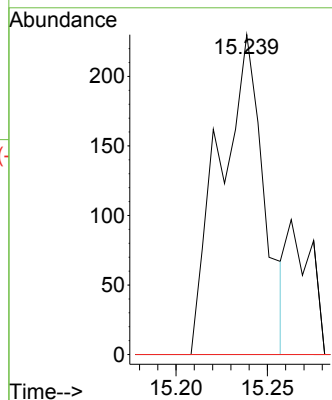
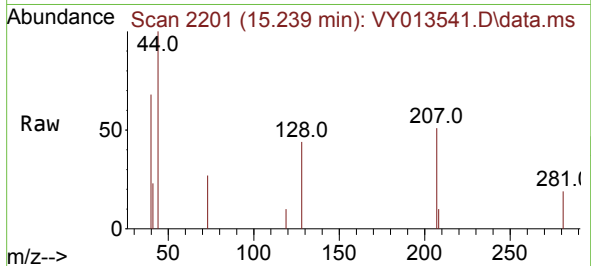




#95
Naphthalene
Concen: 2.456 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

Tgt Ion:128 Resp: 387
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.151 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY013541.D
Acq: 01 May 2023 16:27

Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 89.7 47.1 141.3
145 0.0 15.9 47.7#

