

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008352.D
 Acq On : 15 Apr 2022 15:39
 Operator : KP/MD
 Sample : N2424-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-041422

Quant Time: Apr 16 04:58:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

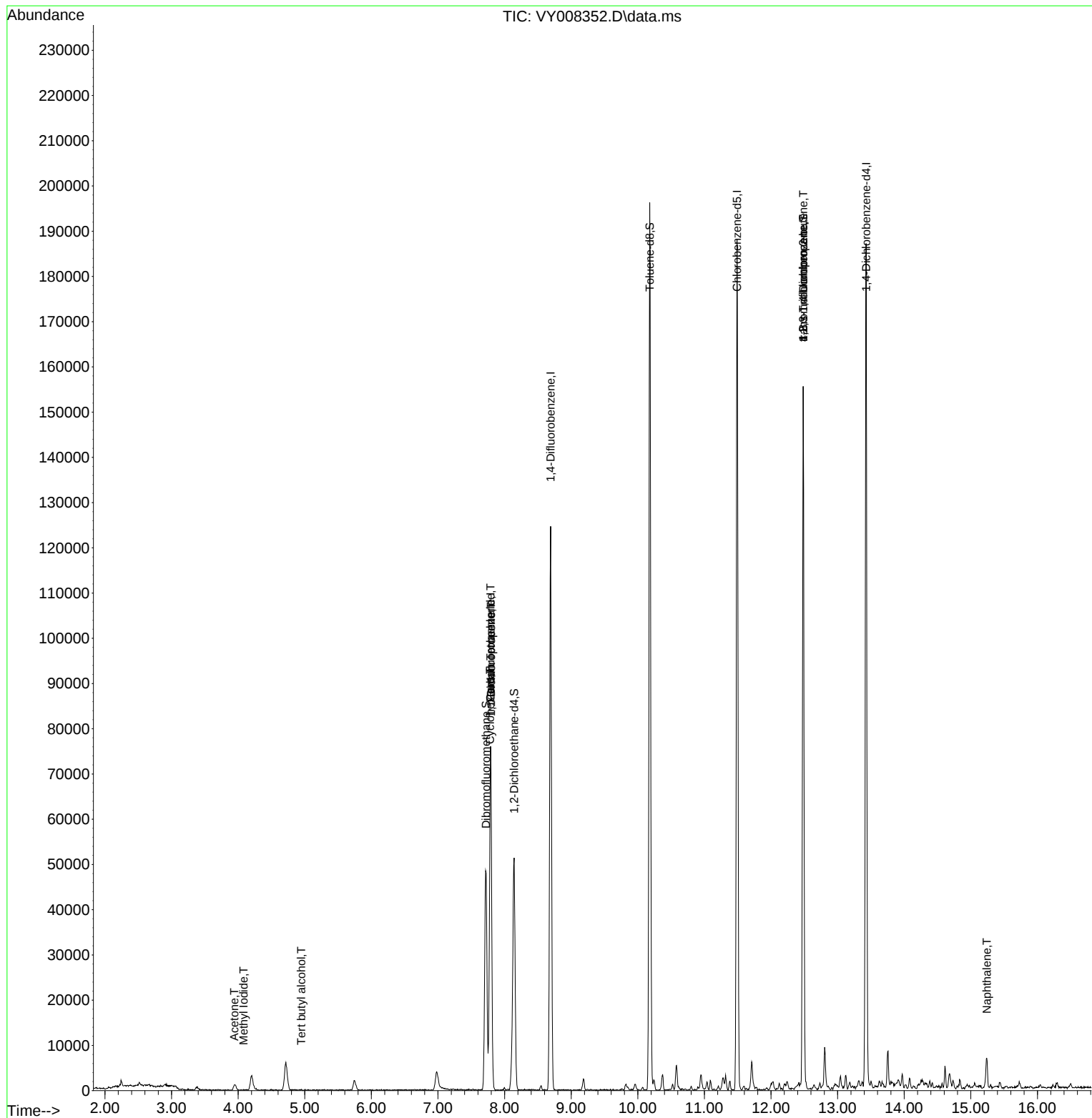
Internal Standards						
1) Pentafluorobenzene	7.789	168	58787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	107266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	106559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	36325	65.782	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.560%			
35) Dibromofluoromethane	7.722	113	35794	57.774	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.540%			
50) Toluene-d8	10.178	98	129880	61.265	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 122.520%			
62) 4-Bromofluorobenzene	12.483	95	45098	56.558	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.120%			
Target Compounds						
3) Chloromethane	2.113	50	89	Below Cal	#	44
5) Bromomethane	2.655	94	157	Below Cal		97
10) Methyl Iodide	4.082	142	39	2.443	ug/l #	35
11) Tert butyl alcohol	4.948	59	128	2.168	ug/l #	77
16) Acetone	3.942	43	2408	18.130	ug/l	96
18) Methyl Acetate	4.497	43	73	Below Cal	#	56
20) Methylene Chloride	4.716	84	5008	Below Cal	#	75
31) Cyclohexane	7.783	56	1601	1.603	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	4722	4.773	ug/l #	50
38) Carbon Tetrachloride	7.789	117	5923	5.565	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	24529	46.899	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24529	104.935	ug/l #	7
95) Naphthalene	15.239	128	6130	3.187	ug/l	97

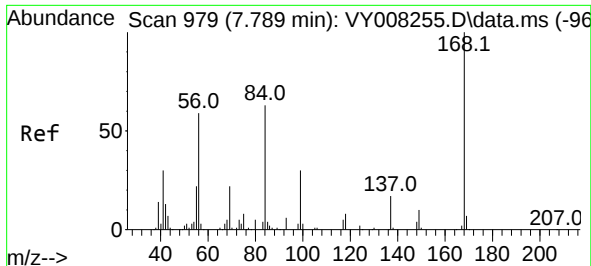
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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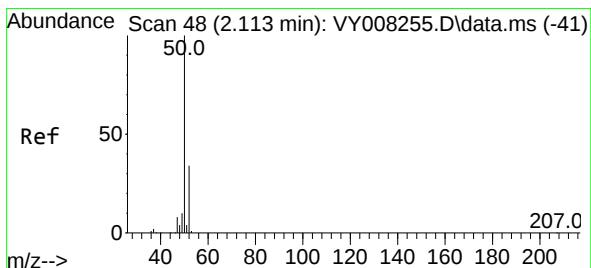
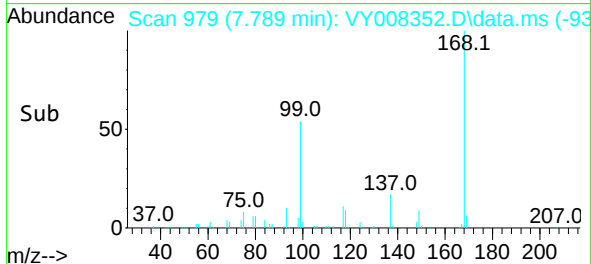
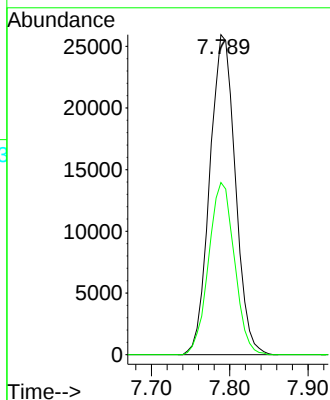
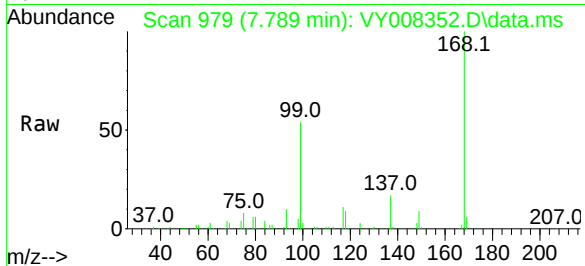




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

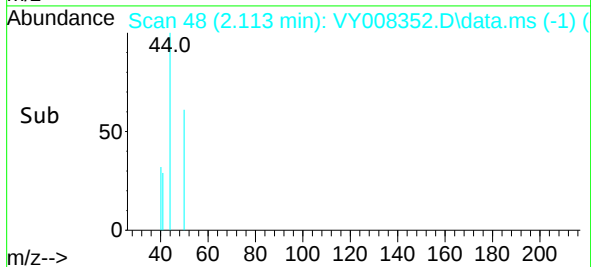
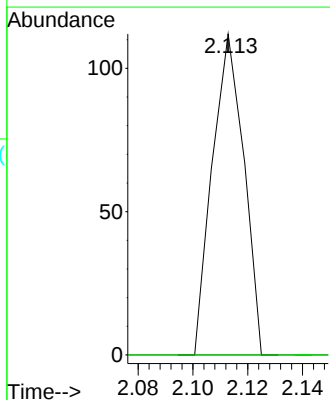
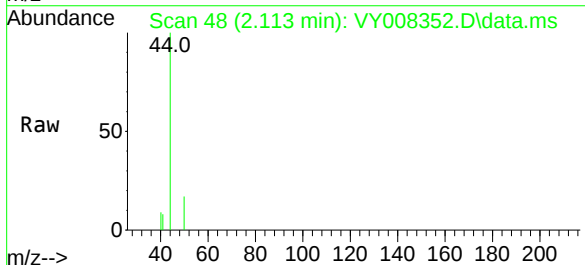
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

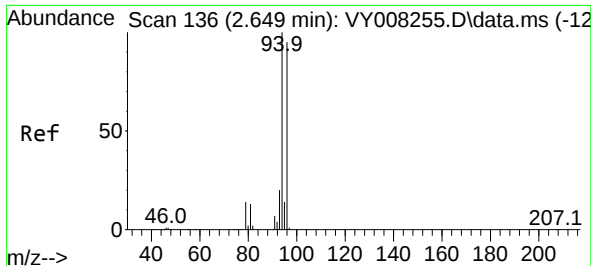
Tgt Ion:168 Resp: 58787
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Tgt Ion: 50 Resp: 89
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

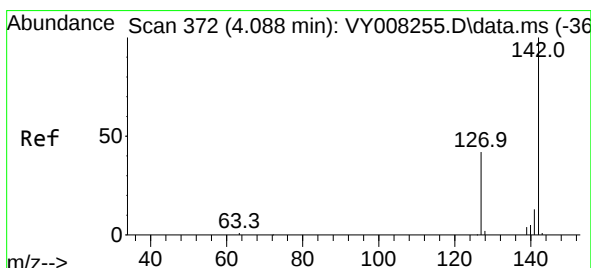
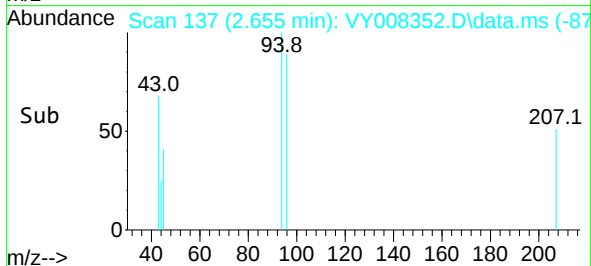
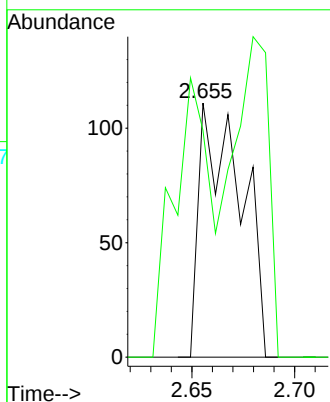
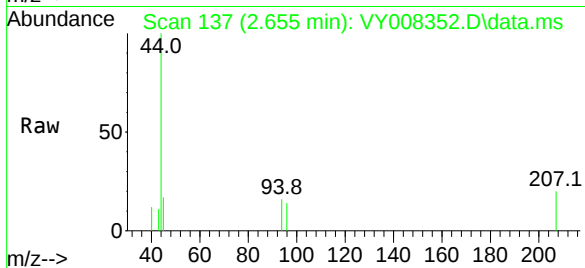




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

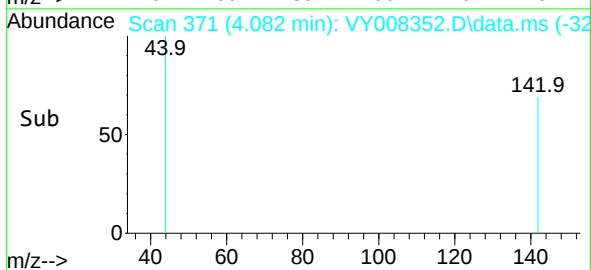
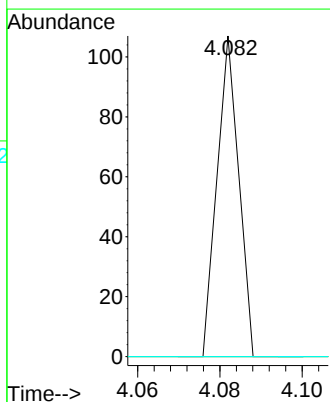
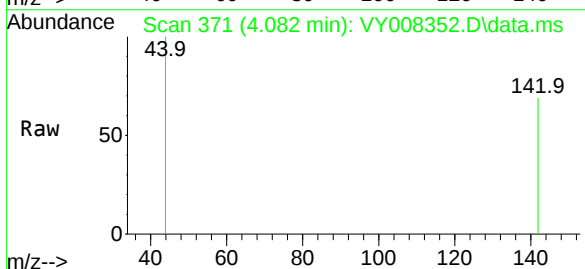
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

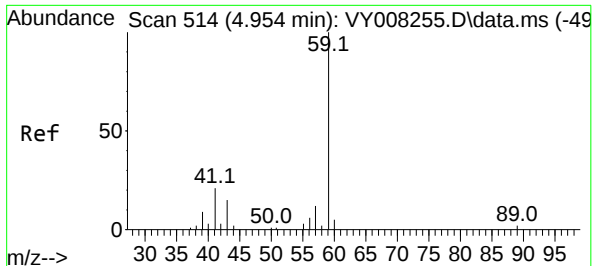
Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 89.2 73.5 110.3



#10
Methyl Iodide
Concen: 2.443 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Tgt Ion: 142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 2.168 ug/l

RT: 4.948 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY008352.D

Acq: 15 Apr 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

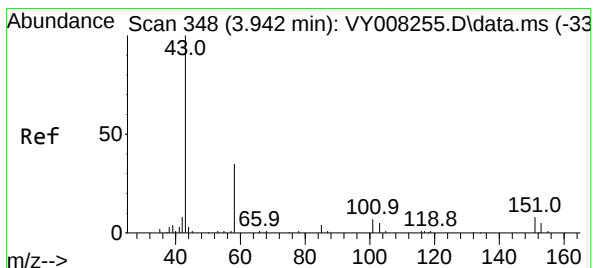
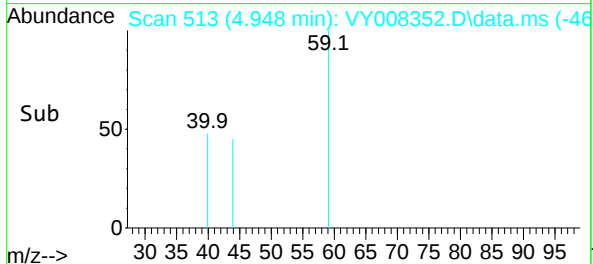
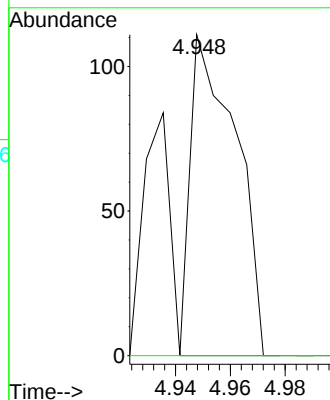
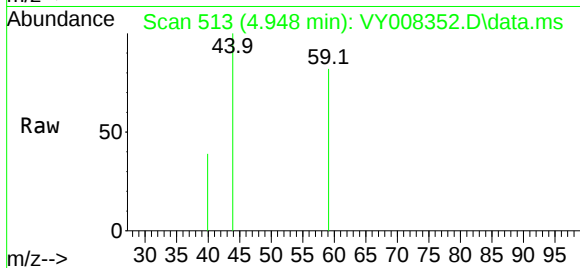
OR-02-041422

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 18.130 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY008352.D

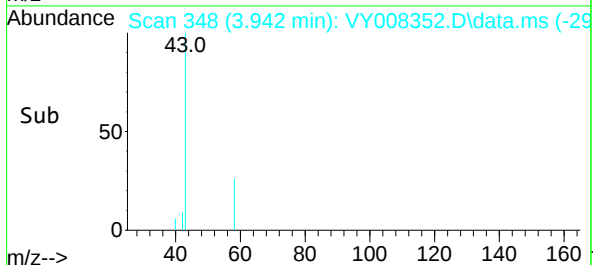
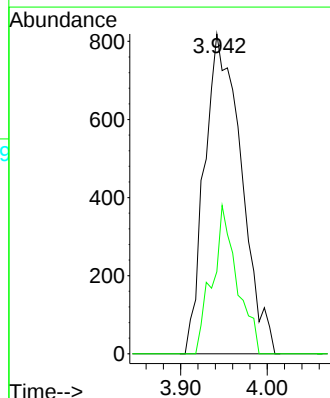
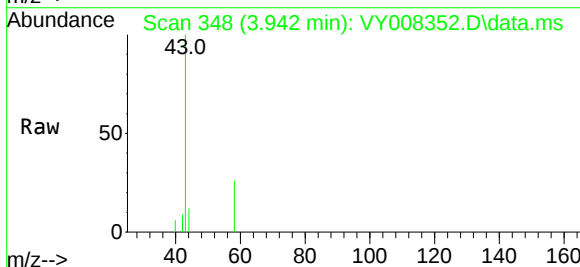
Acq: 15 Apr 2022 15:39

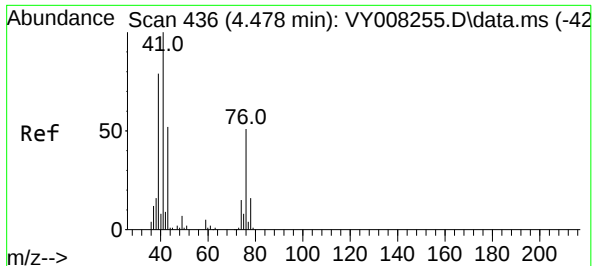
Tgt Ion: 43 Resp: 2408

Ion Ratio Lower Upper

43 100

58 25.6 22.0 33.0

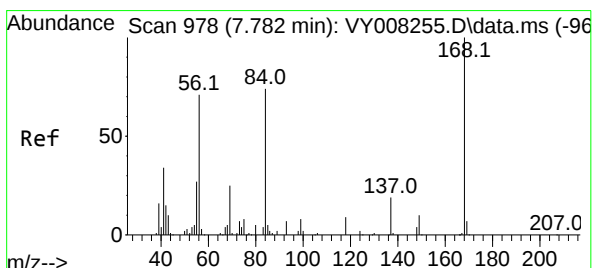
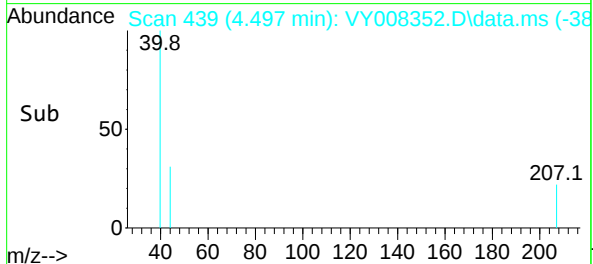
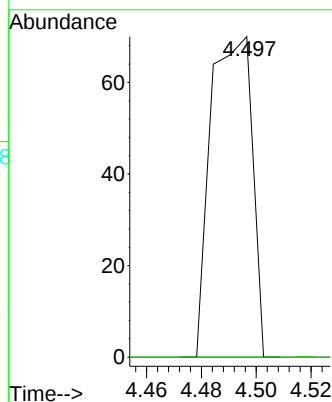
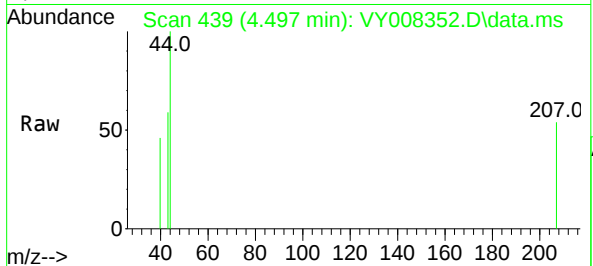




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

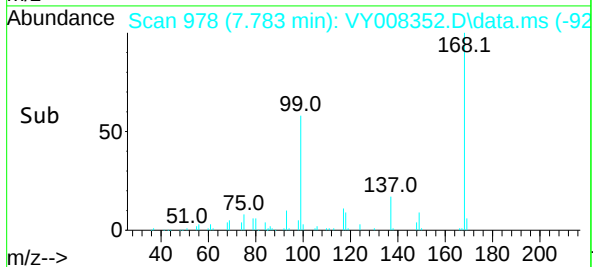
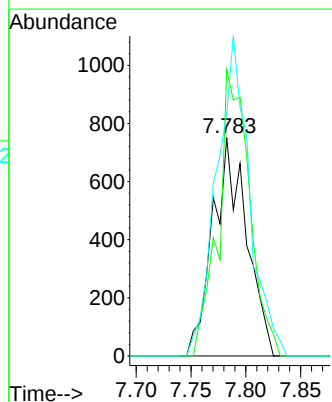
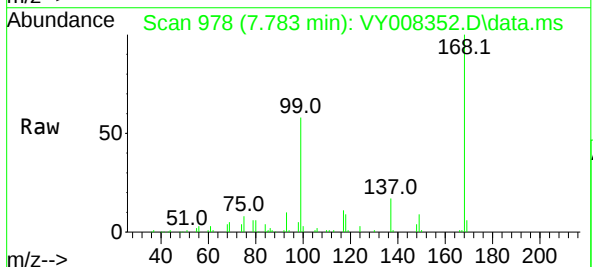
Instrument :
MSVOA_Y
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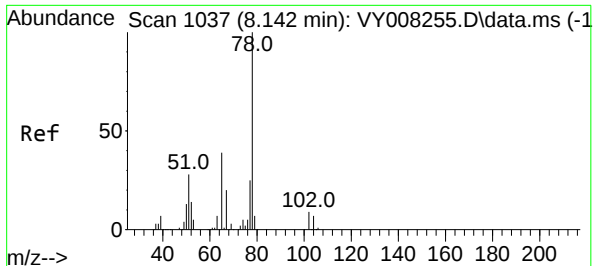
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#31
Cyclohexane
Concen: 1.603 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Tgt Ion: 56 Resp: 1601
Ion Ratio Lower Upper
56 100
69 131.2 26.7 40.1#
84 111.5 67.2 100.8#

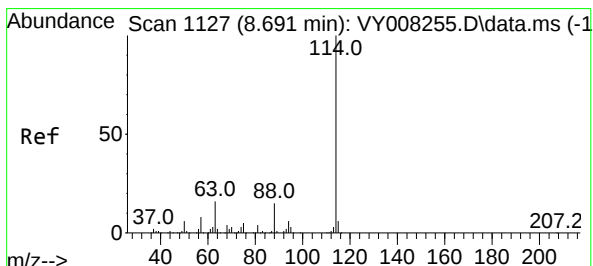
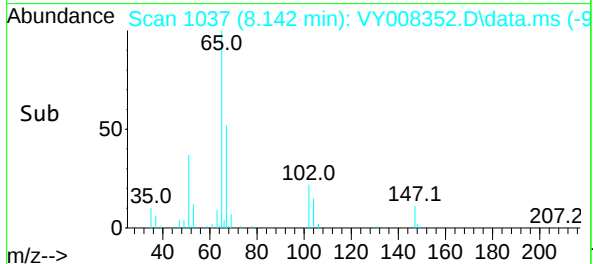
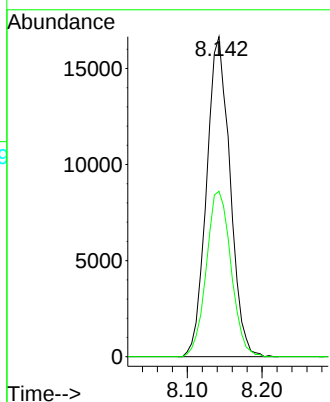
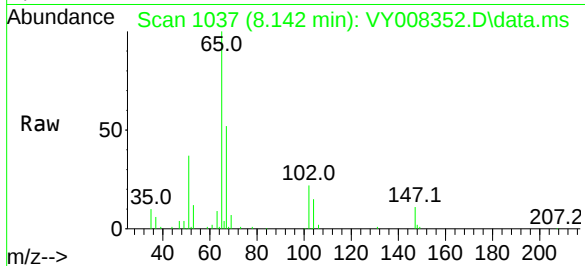




#33
1,2-Dichloroethane-d4
Concen: 65.782 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

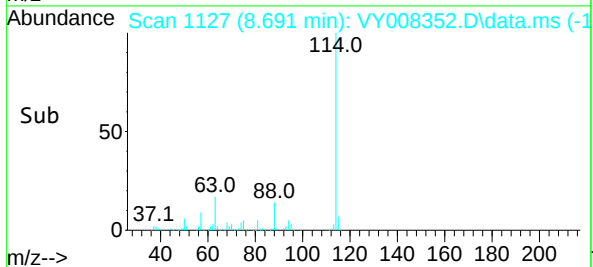
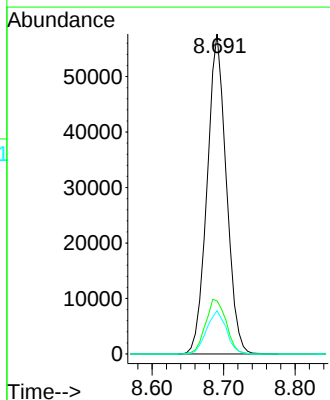
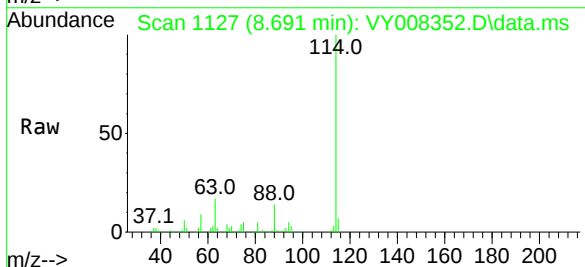
Instrument :
MSVOA_Y
ClientSampleId :
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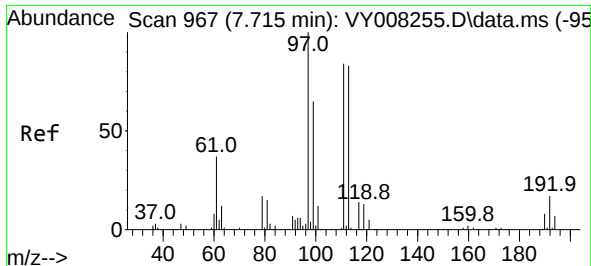
Tgt Ion: 65 Resp: 36325
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

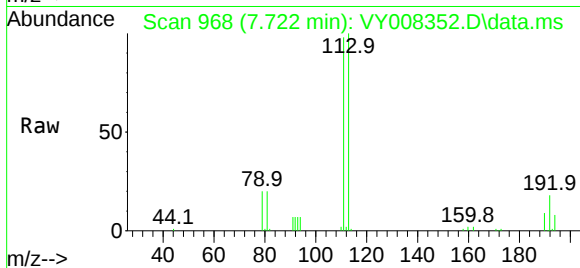
Tgt Ion: 114 Resp: 107266
Ion Ratio Lower Upper
114 100
63 16.6 0.0 43.2
88 13.5 0.0 31.8



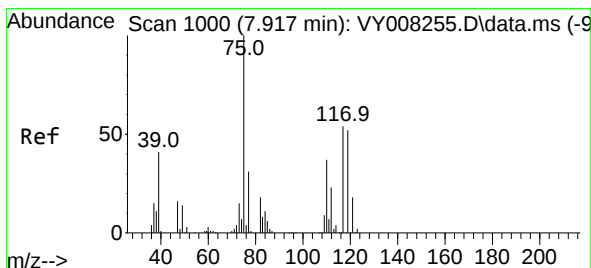
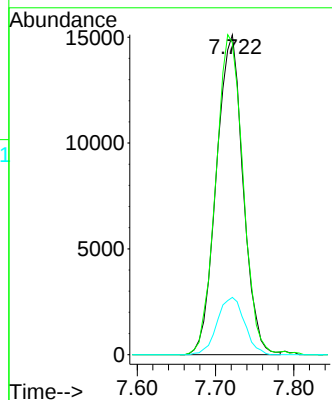
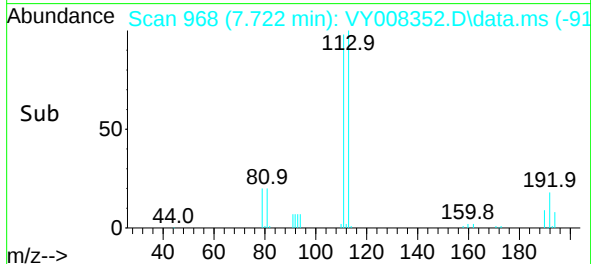


#35
Dibromofluoromethane
Concen: 57.774 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

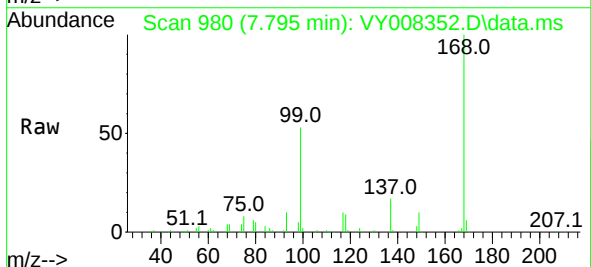
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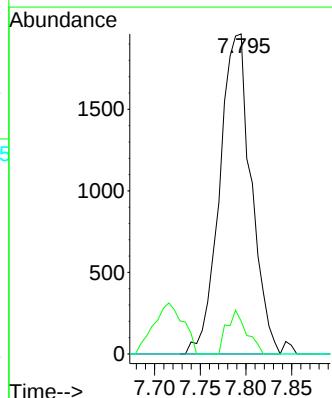
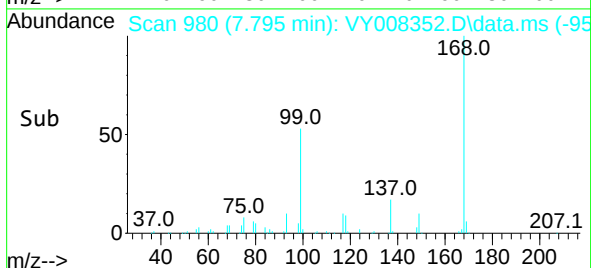
Tgt Ion:113 Resp: 35794
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 18.3 17.6 26.4

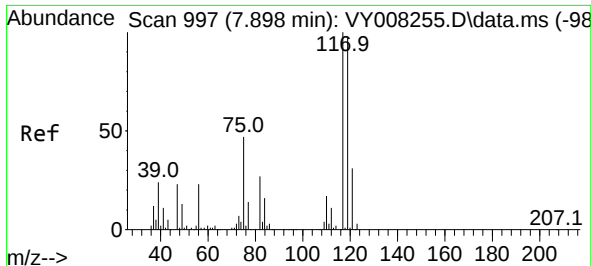


#36
1,1-Dichloropropene
Concen: 4.773 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39



Tgt Ion: 75 Resp: 4722
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#

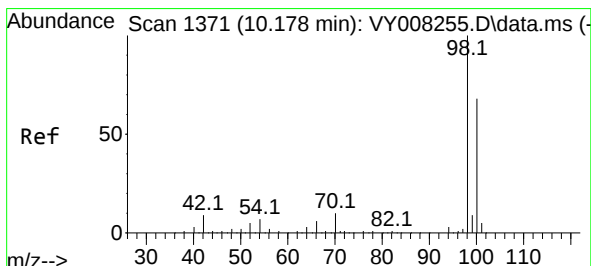
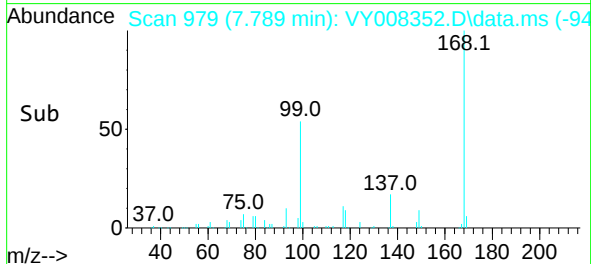
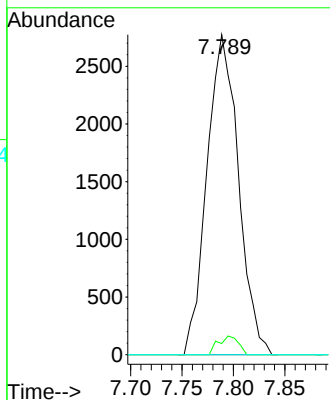
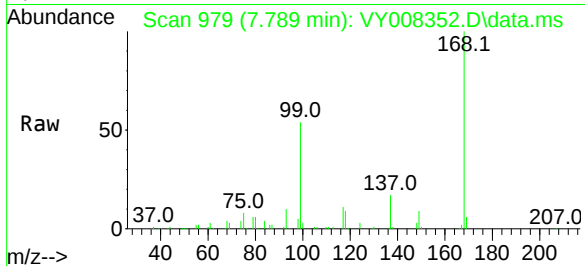




#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

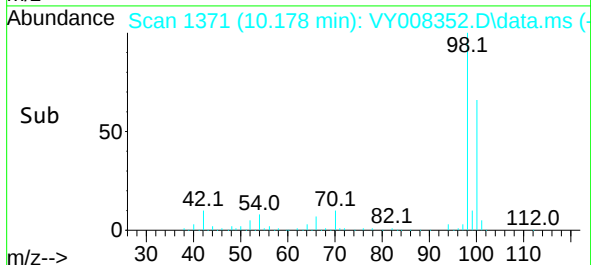
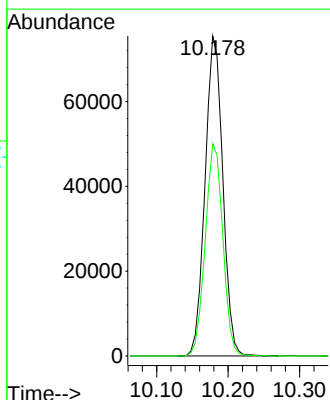
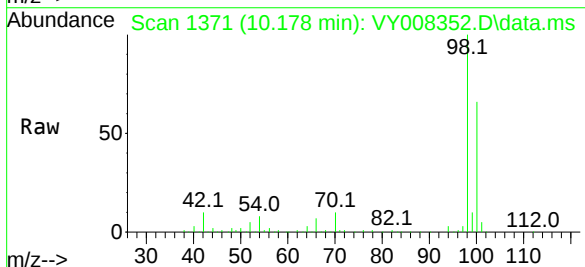
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

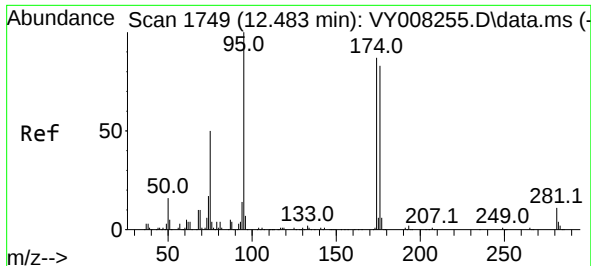
Tgt Ion:117 Resp: 5923
Ion Ratio Lower Upper
117 100
119 3.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 61.265 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Tgt Ion: 98 Resp: 129880
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

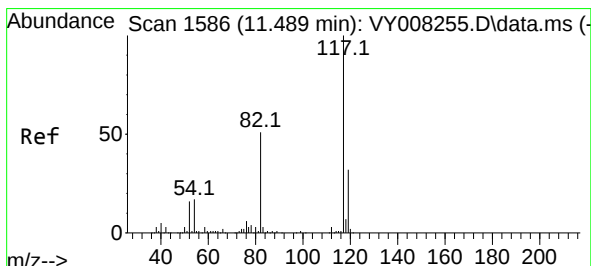
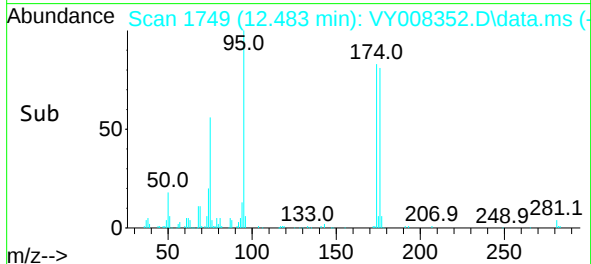
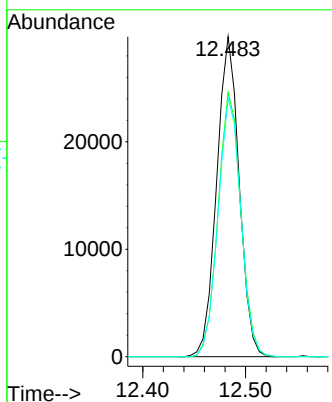
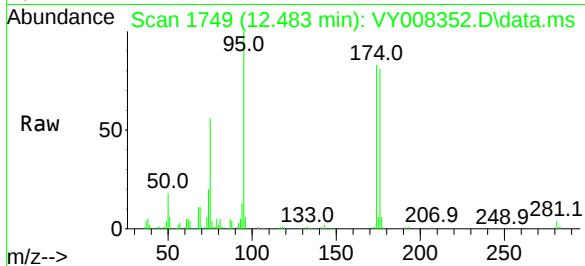




#62
4-Bromofluorobenzene
Concen: 56.558 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

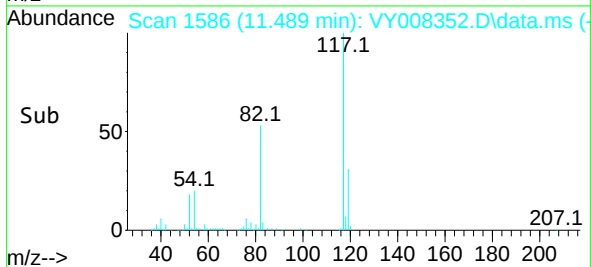
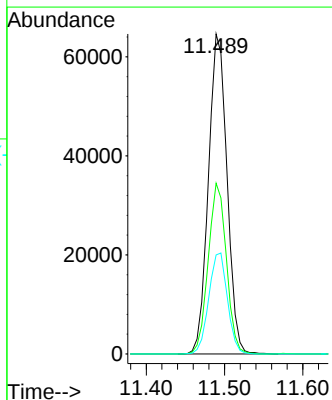
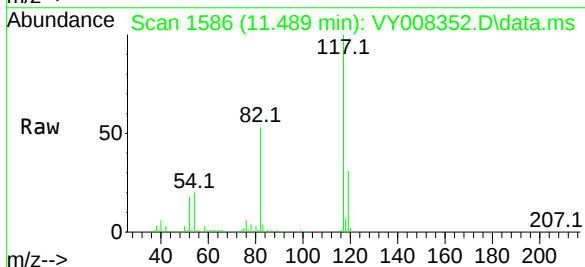
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

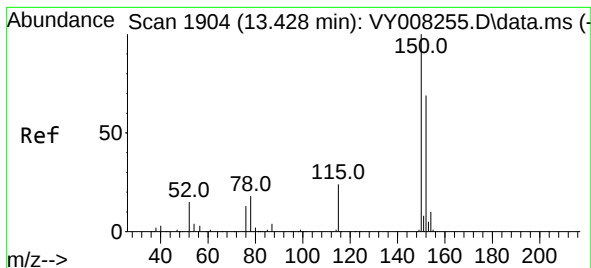
Tgt Ion: 95 Resp: 45098
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 82.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Tgt Ion: 117 Resp: 106559
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 30.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY008352.D

Acq: 15 Apr 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-041422

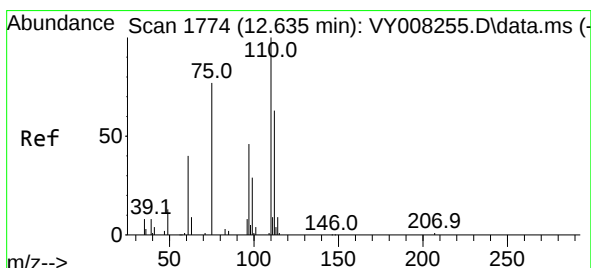
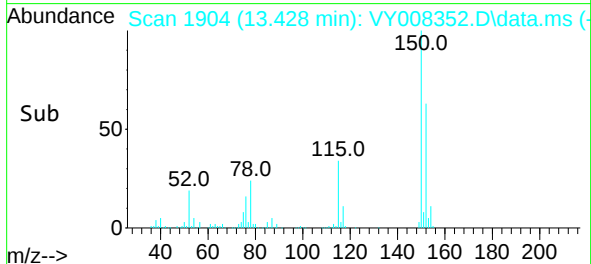
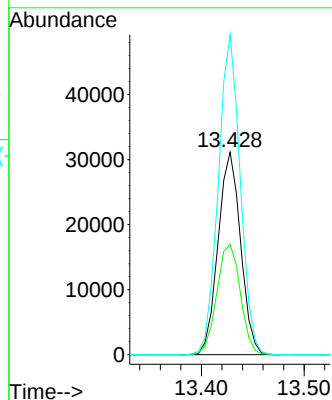
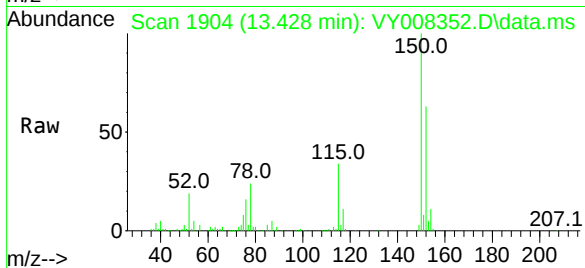
Tgt Ion:152 Resp: 47290

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 153.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 46.899 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008352.D

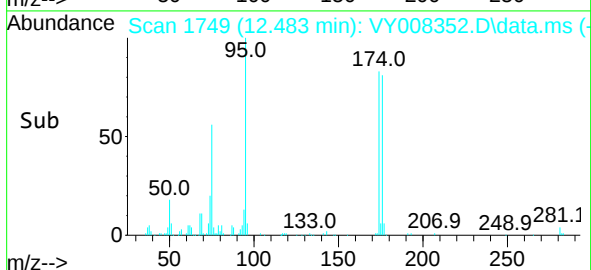
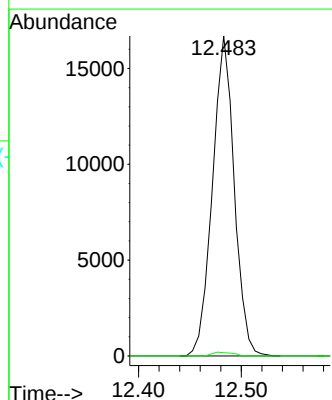
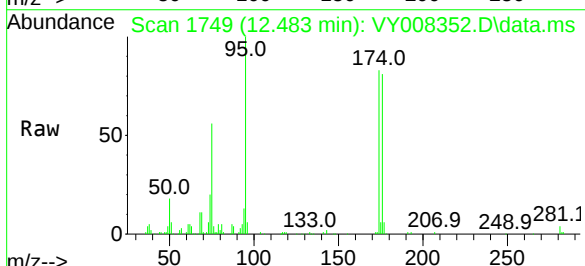
Acq: 15 Apr 2022 15:39

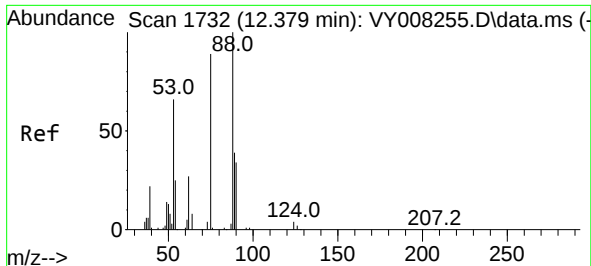
Tgt Ion: 75 Resp: 24529

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

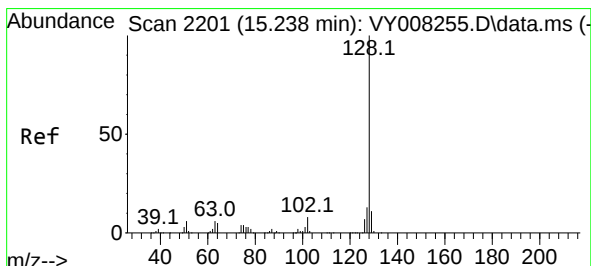
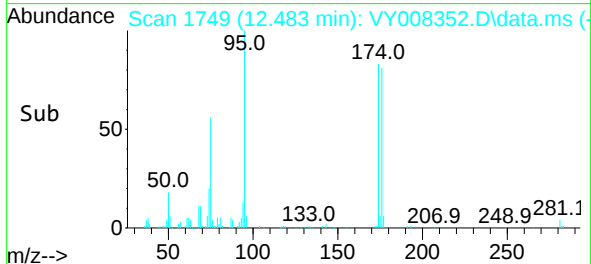
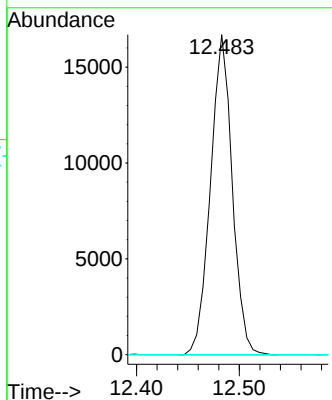
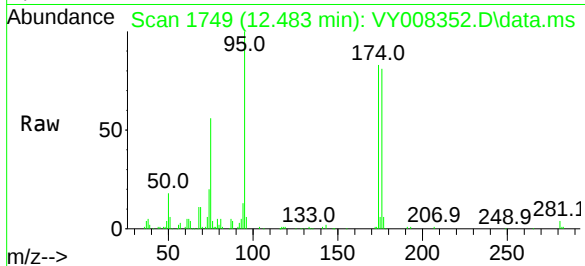




#81
trans-1,4-Dichloro-2-butene
Concen: 104.935 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

Tgt Ion: 75 Resp: 24529
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.187 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.001 min
Lab File: VY008352.D
Acq: 15 Apr 2022 15:39

Tgt Ion: 128 Resp: 6130
Ion Ratio Lower Upper
128 100
127 12.2 11.0 16.4
129 10.8 8.4 12.6

