

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
 Data File : VY008371.D
 Acq On : 18 Apr 2022 14:22
 Operator : KP/MD
 Sample : N2424-01RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-041422

Quant Time: Apr 19 06:29:20 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)

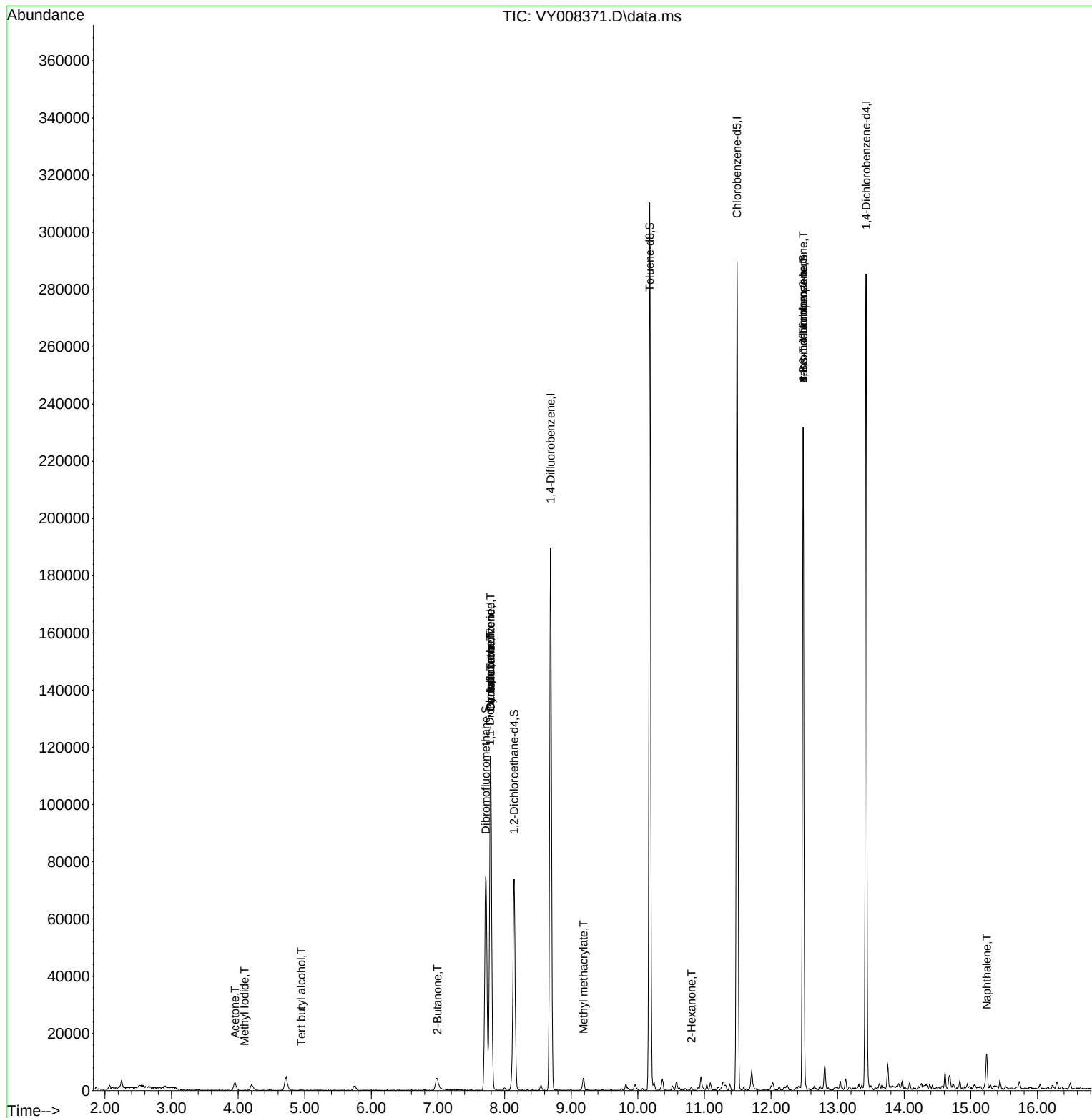
Internal Standards						
1) Pentafluorobenzene	7.789	168	90321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	166983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	163668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54571	64.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.640%	
35) Dibromofluoromethane	7.716	113	53619	55.595	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.180%	
50) Toluene-d8	10.179	98	204267	61.895	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.800%	
62) 4-Bromofluorobenzene	12.483	95	68303	55.026	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	276	Below Cal	#	44
5) Bromomethane	2.662	94	234	Below Cal	#	63
10) Methyl Iodide	4.095	142	105	2.482	ug/l #	35
11) Tert butyl alcohol	4.948	59	169	1.863	ug/l #	77
16) Acetone	3.954	43	4876	23.895	ug/l #	81
18) Methyl Acetate	4.473	43	150	Below Cal	#	87
20) Methylene Chloride	4.710	84	3601	Below Cal	#	73
25) 2-Butanone	6.990	43	372	1.166	ug/l #	54
31) Cyclohexane	7.789	56	2251	1.467	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	7244	4.704	ug/l #	50
38) Carbon Tetrachloride	7.789	117	9037	5.454	ug/l #	14
48) Methyl methacrylate	9.185	41	842	1.344	ug/l #	81
59) 2-Hexanone	10.807	43	574	1.096	ug/l #	28
76) 1,2,3-Trichloropropane	12.483	75	36802	46.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36802	103.049	ug/l #	7
95) Naphthalene	15.239	128	10425	3.548	ug/l	98

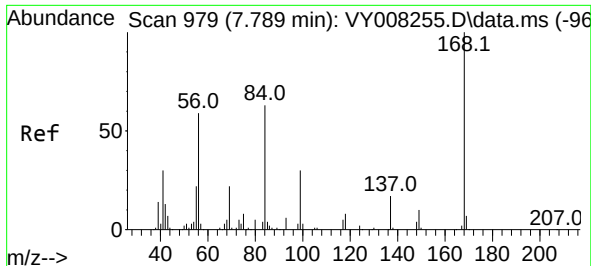
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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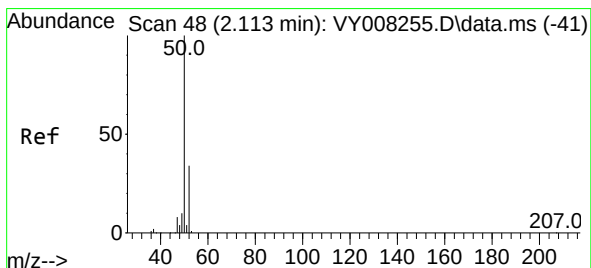
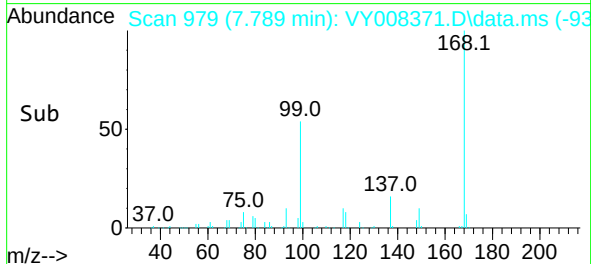
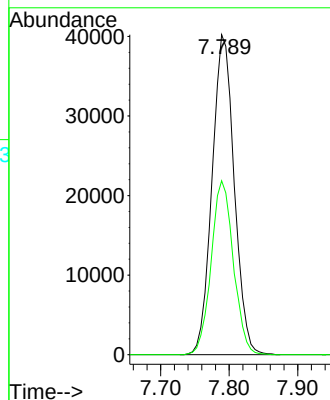
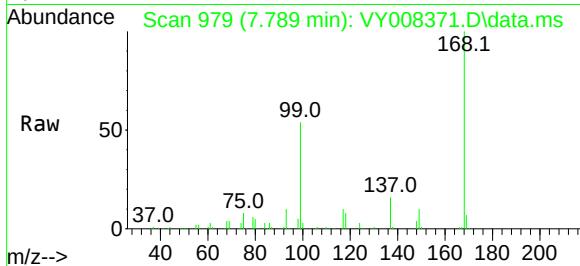




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

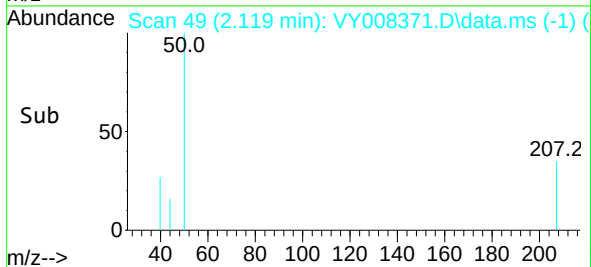
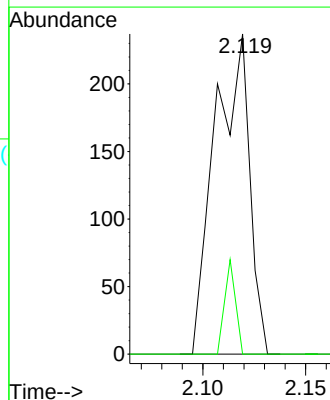
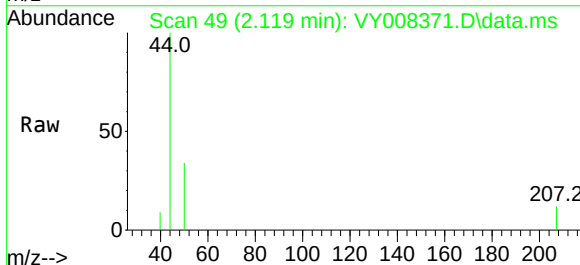
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

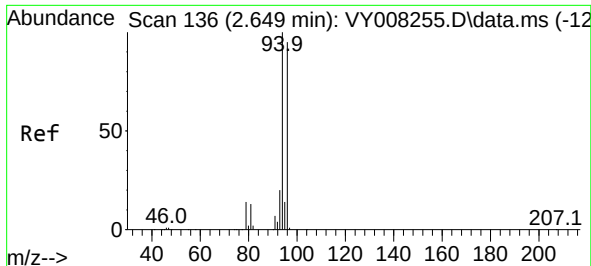
Tgt Ion:168 Resp: 90321
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

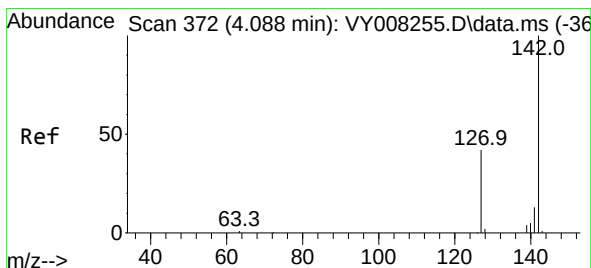
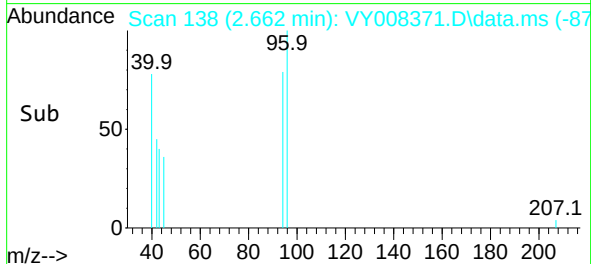
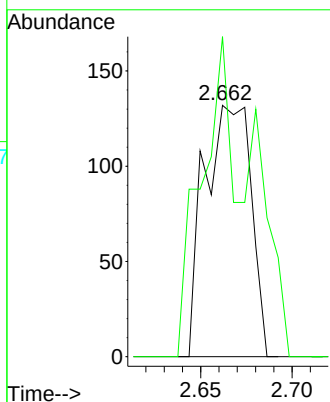
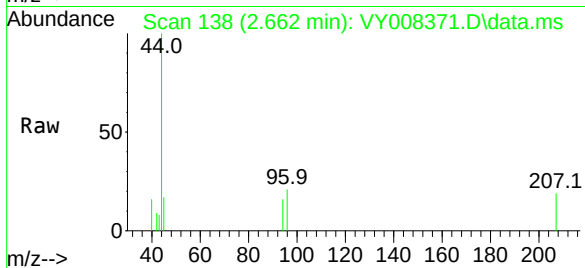




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

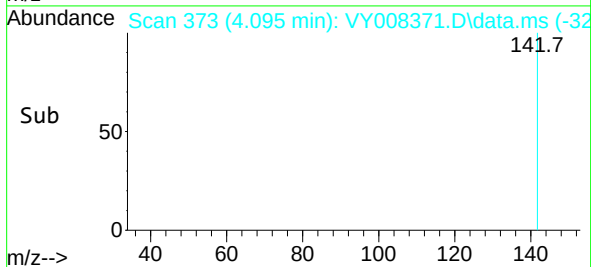
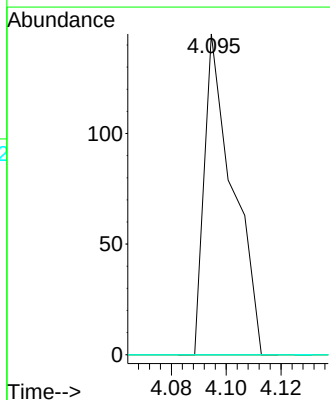
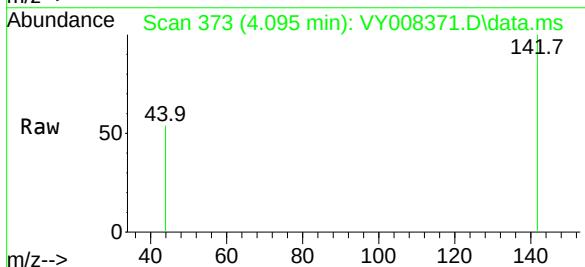
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

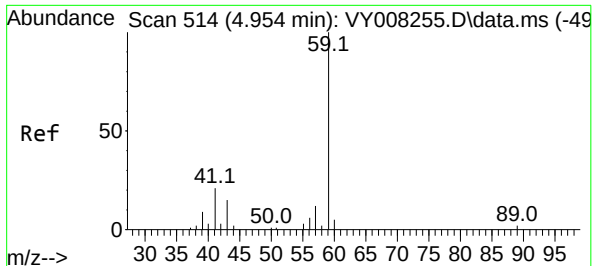
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 127.3 73.5 110.3#



#10
Methyl Iodide
Concen: 2.482 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion:142 Resp: 105
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

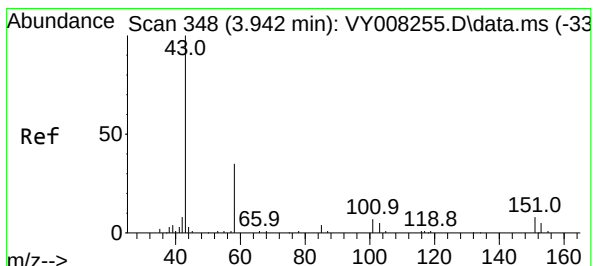
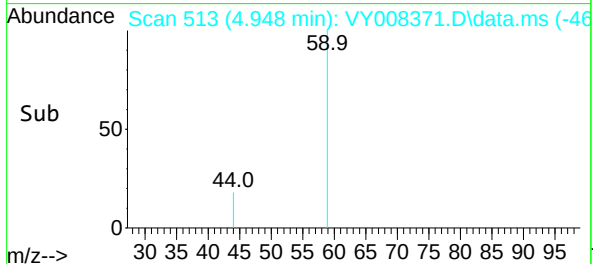
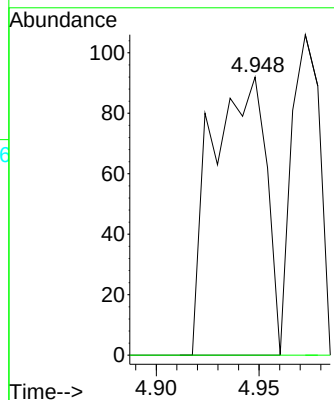
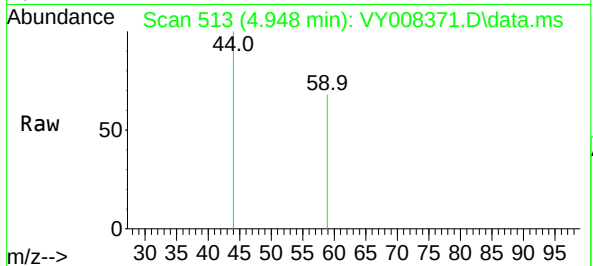




#11
Tert butyl alcohol
Concen: 1.863 ug/l
RT: 4.948 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

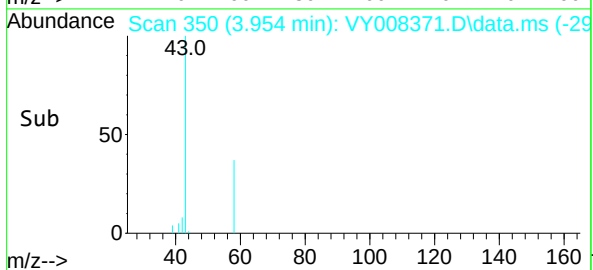
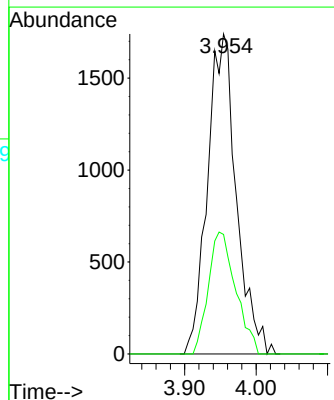
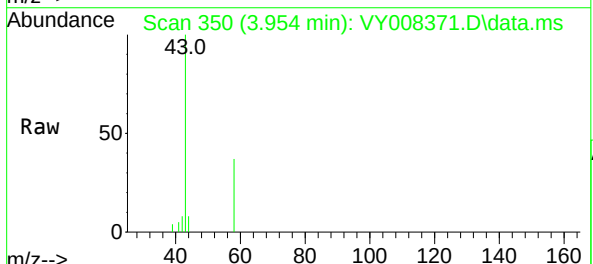
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

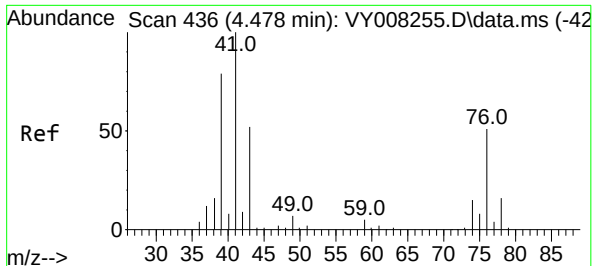
Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 23.895 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion: 43 Resp: 4876
Ion Ratio Lower Upper
43 100
58 37.4 22.0 33.0#

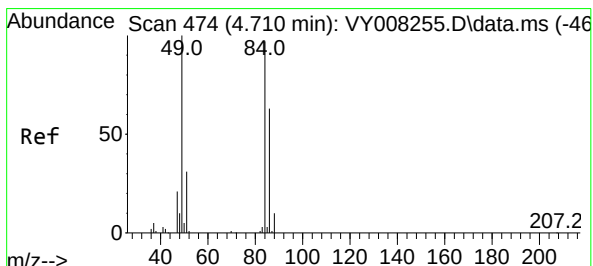
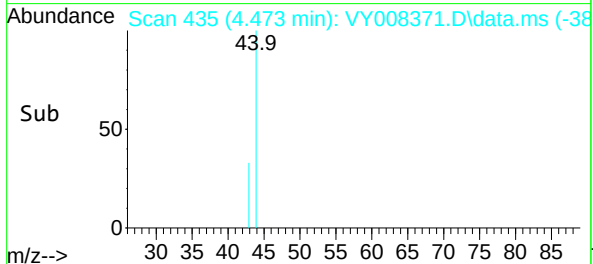
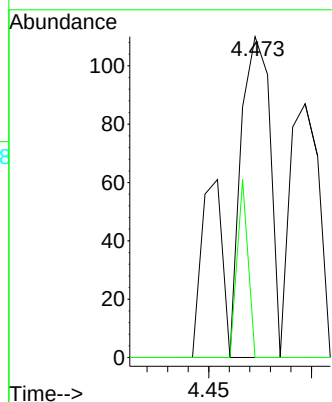
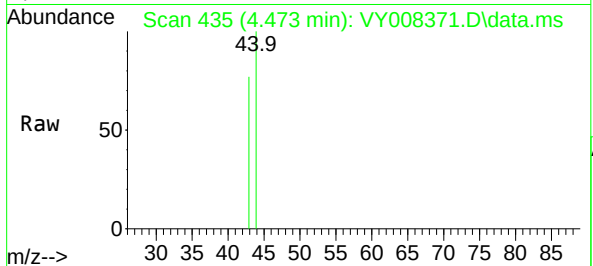




#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 41
Delta R.T. -0.005 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

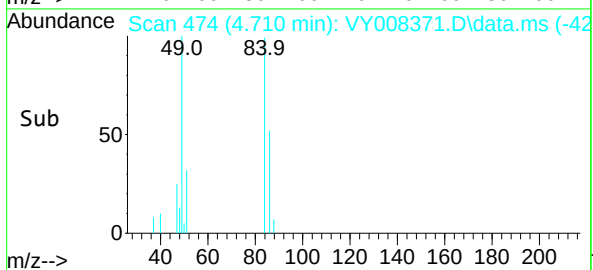
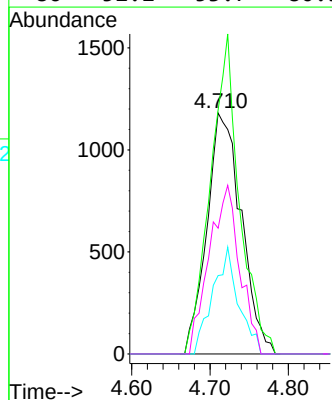
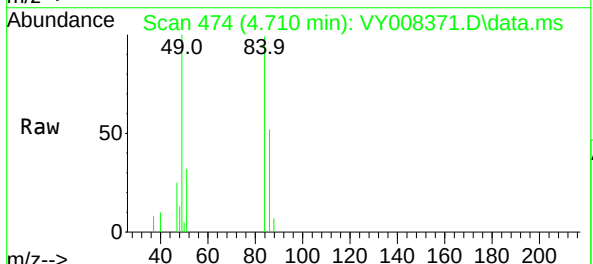
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

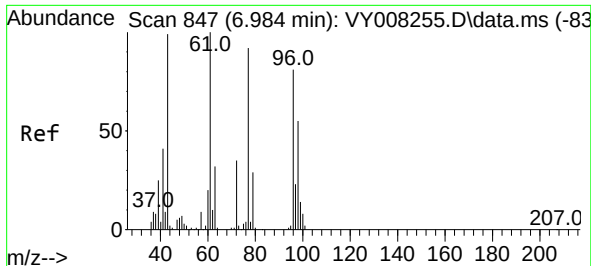
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
74 14.7 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

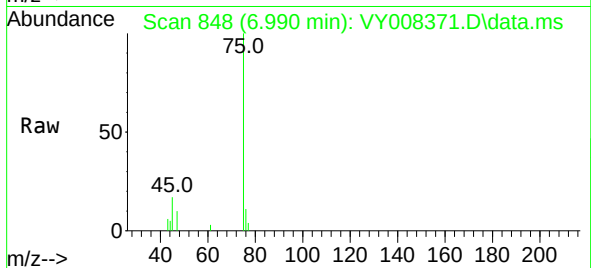
Tgt Ion: 84 Resp: 3601
Ion Ratio Lower Upper
84 100
49 101.3 114.4 171.6#
51 32.5 35.3 52.9#
86 52.2 53.7 80.5#



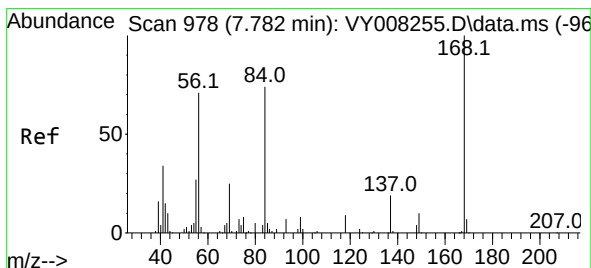
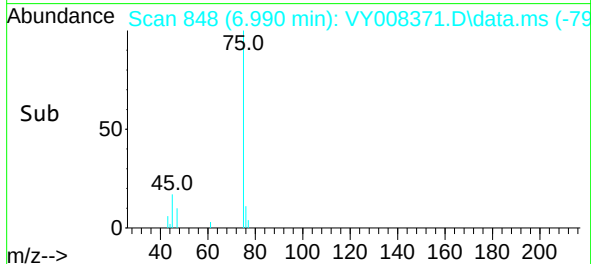
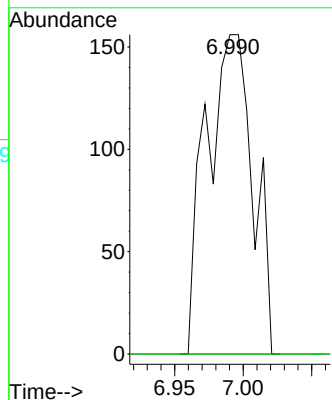


#25
2-Butanone
Concen: 1.166 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

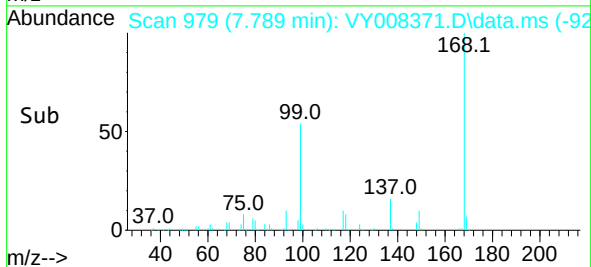
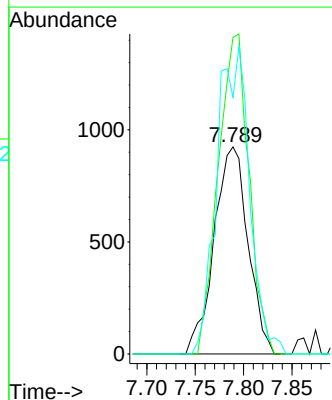
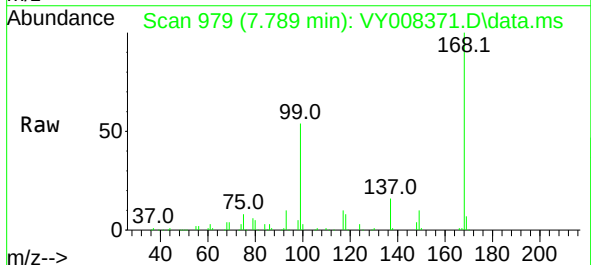


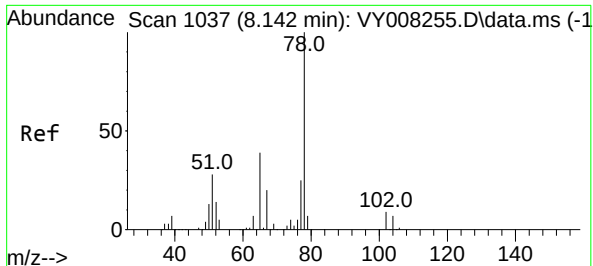
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.007 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion: 56 Resp: 2251
Ion Ratio Lower Upper
56 100
69 152.8 26.7 40.1#
84 123.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.322 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008371.D

Acq: 18 Apr 2022 14:22

Instrument :

MSVOA_Y

ClientSampleId :

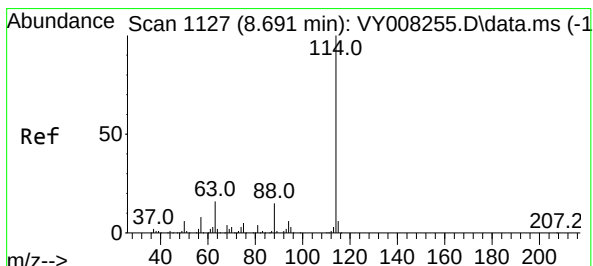
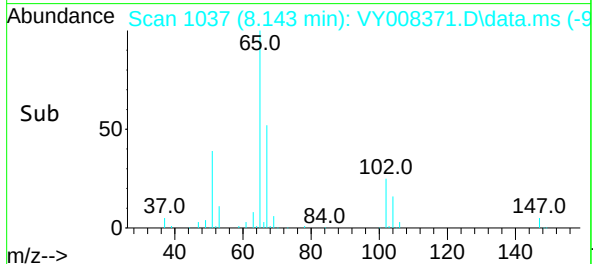
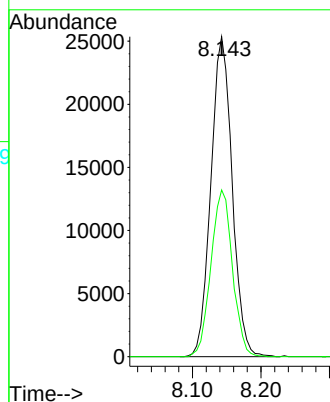
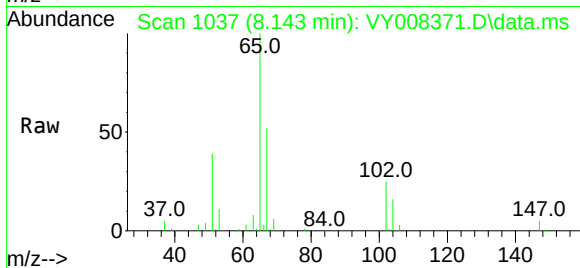
OR-02-041422

Tgt Ion: 65 Resp: 54571

Ion Ratio Lower Upper

65 100

67 52.7 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: VY008371.D

Acq: 18 Apr 2022 14:22

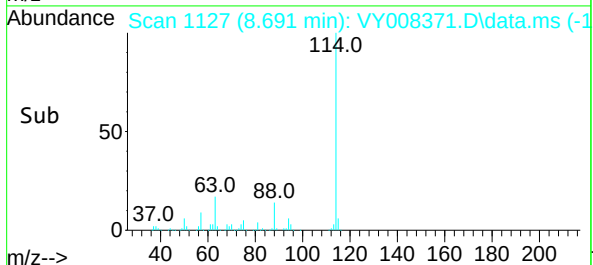
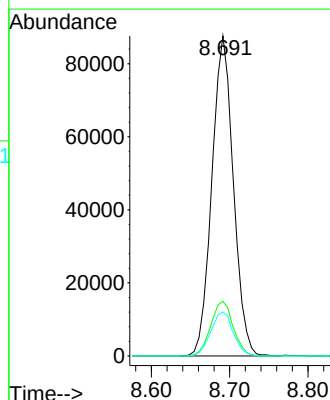
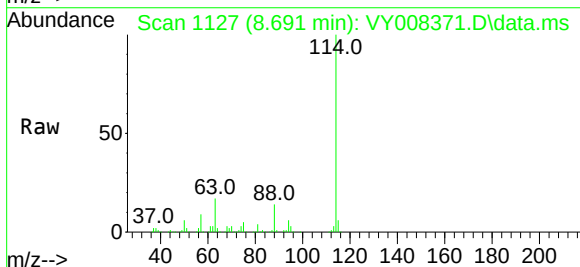
Tgt Ion: 114 Resp: 166983

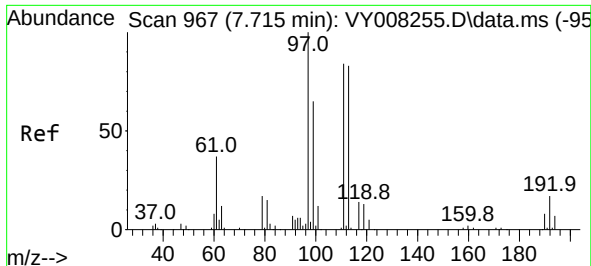
Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

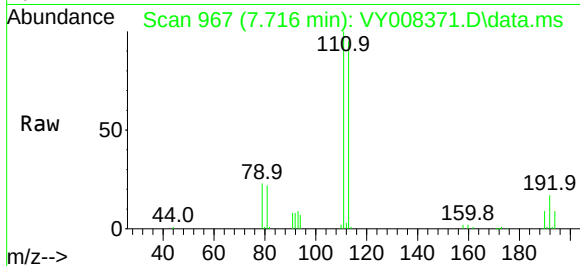
88 13.7 0.0 31.8



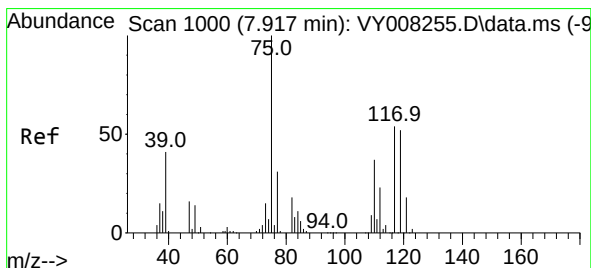
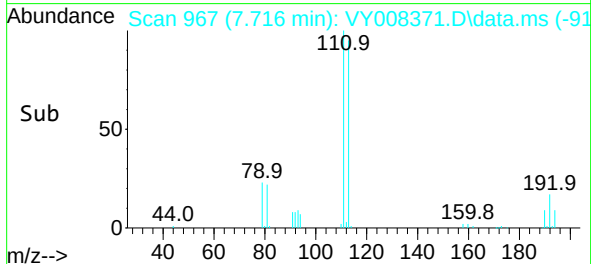
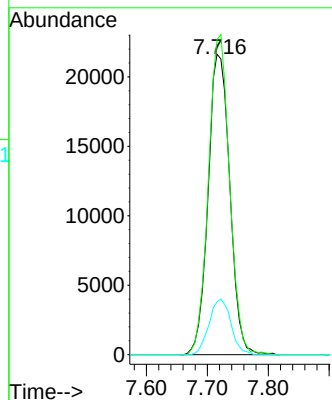


#35
Dibromofluoromethane
Concen: 55.595 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.001 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

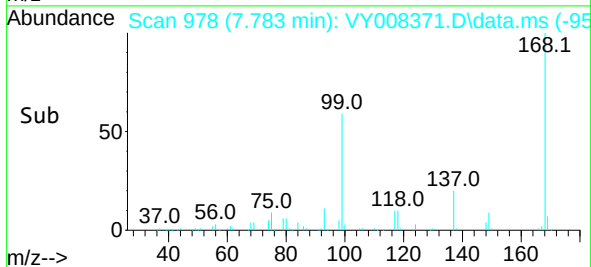
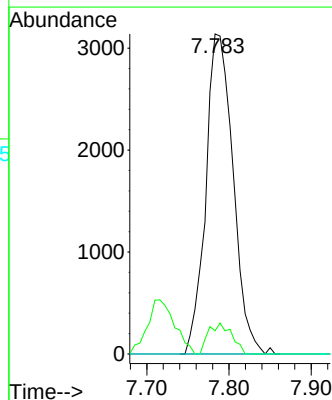
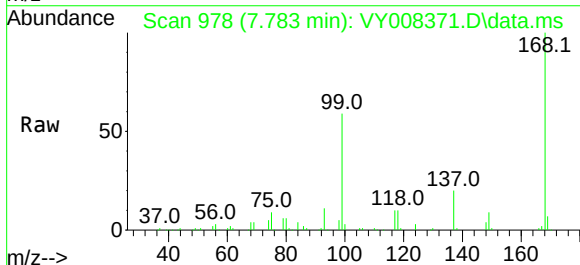


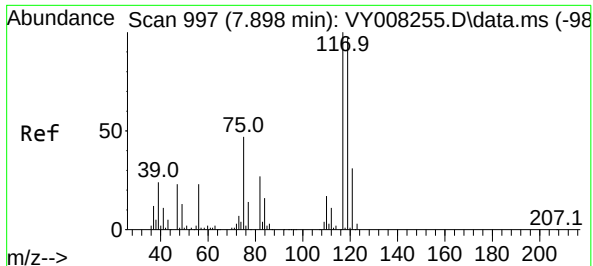
Tgt Ion:	113	Resp:	53619
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	124.0
192	18.6	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion:	75	Resp:	7244
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.2#
77	0.0	24.4	36.6#

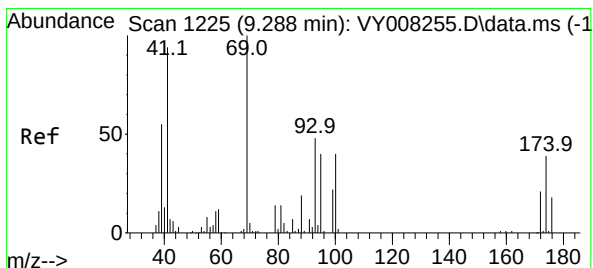
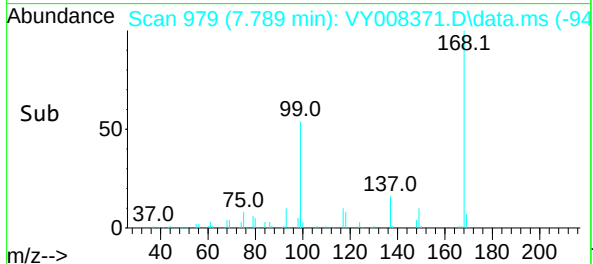
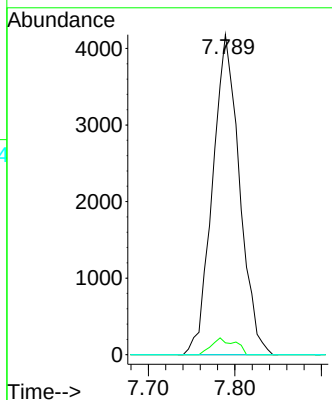
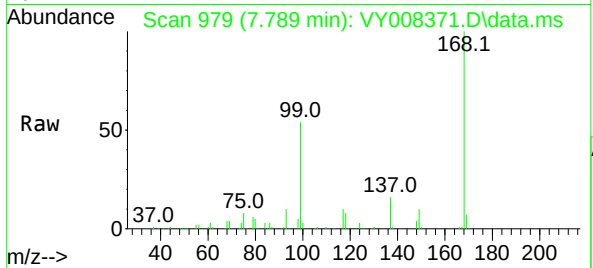




#38
Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

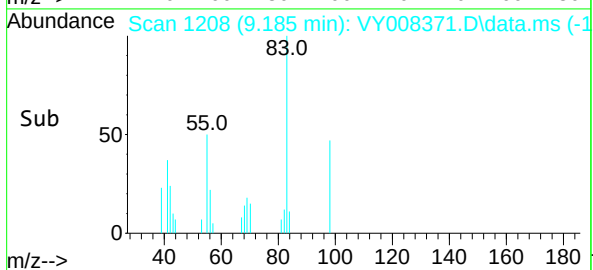
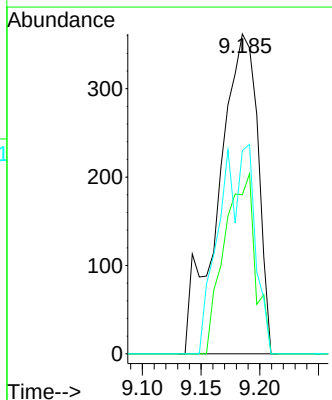
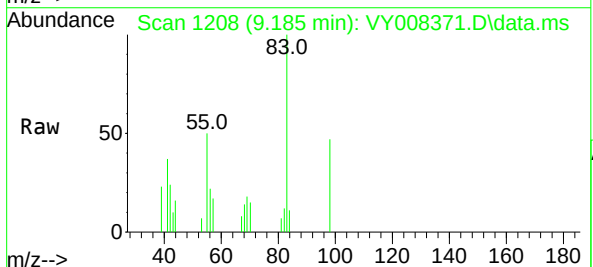
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

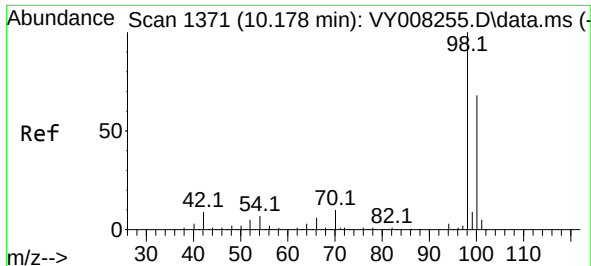
Tgt Ion:117 Resp: 9037
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 1.344 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.103 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion: 41 Resp: 842
Ion Ratio Lower Upper
41 100
69 44.2 58.2 87.2#
39 58.6 47.4 71.0

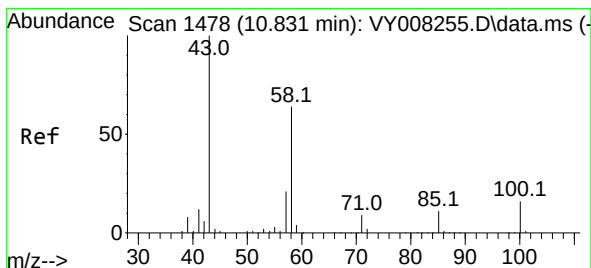
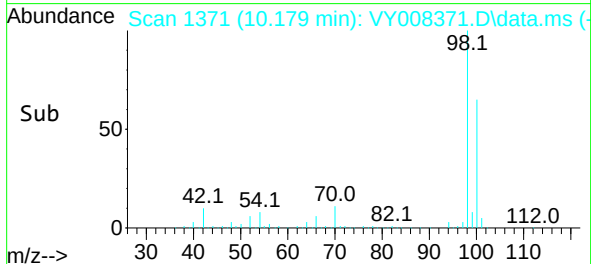
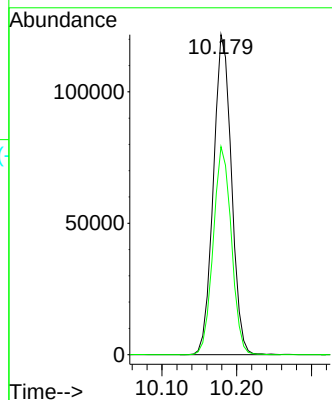
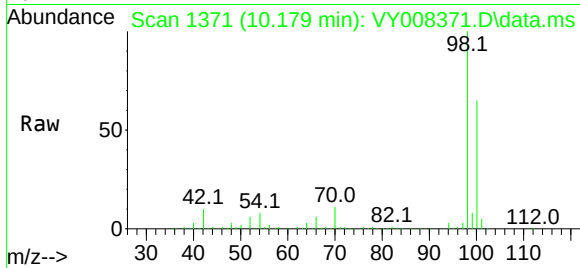




#50
Toluene-d8
Concen: 61.895 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

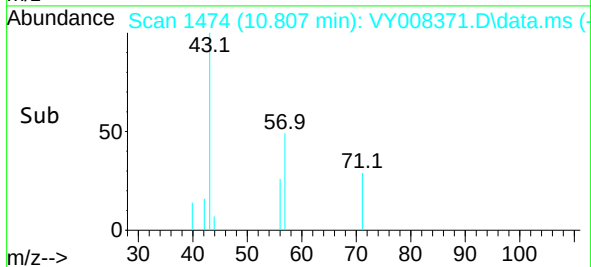
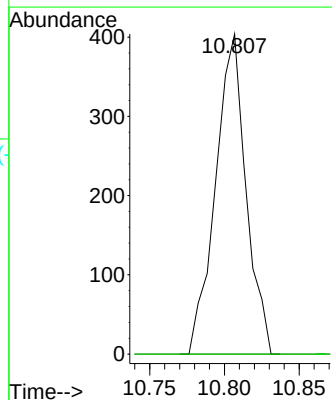
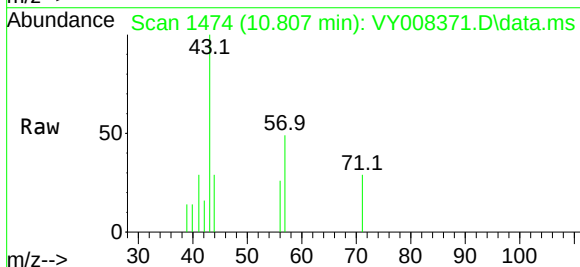
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

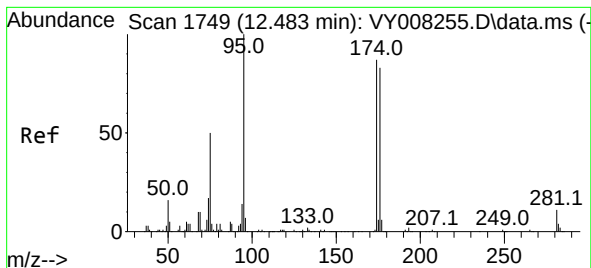
Tgt Ion: 98 Resp: 204267
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#59
2-Hexanone
Concen: 1.096 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

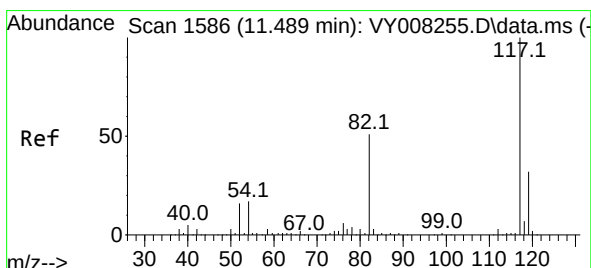
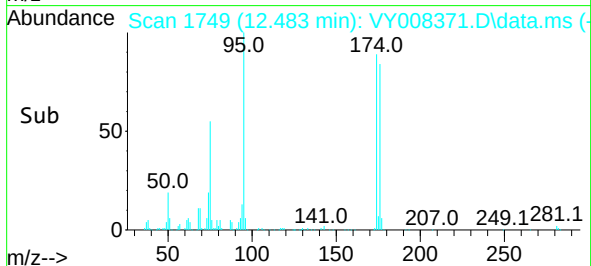
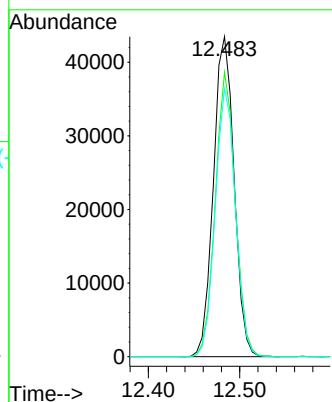
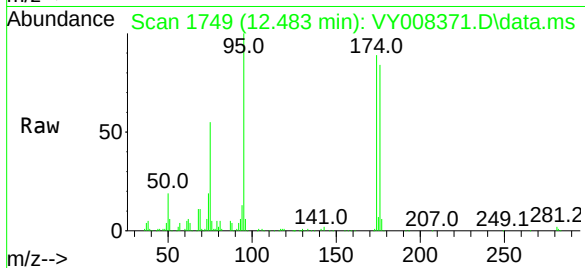




#62
4-Bromofluorobenzene
Concen: 55.026 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

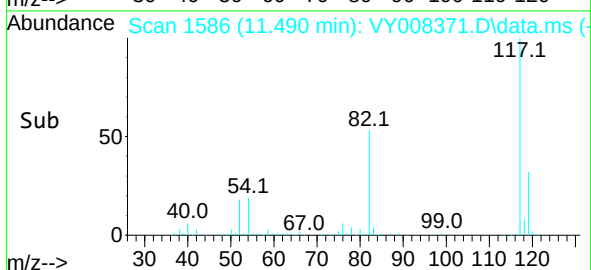
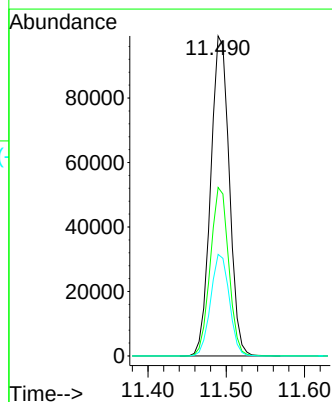
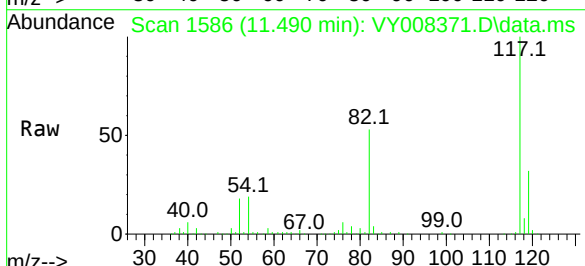
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

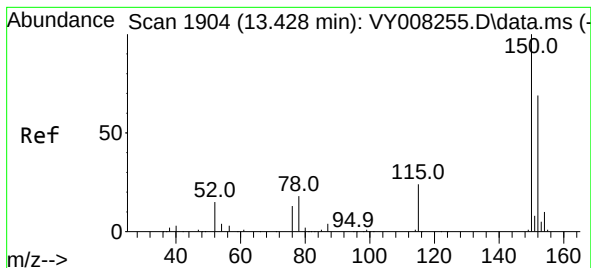
Tgt Ion: 95 Resp: 68303
Ion Ratio Lower Upper
95 100
174 86.1 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion: 117 Resp: 163668
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.7 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: VY008371.D

Acq: 18 Apr 2022 14:22

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-041422

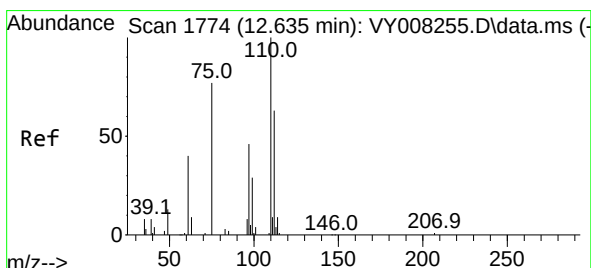
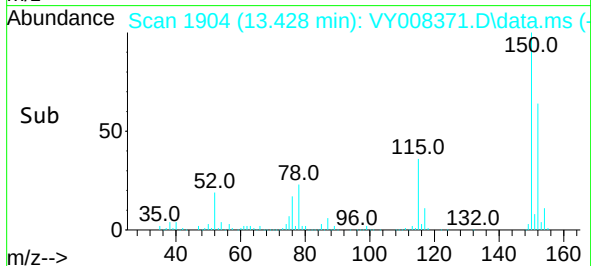
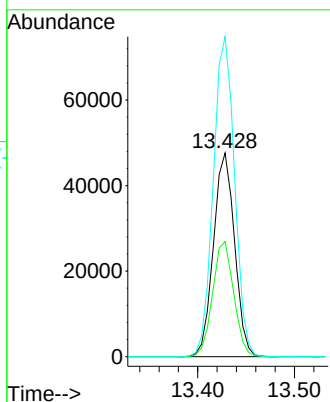
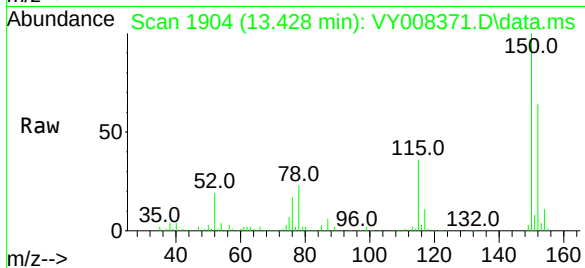
Tgt Ion:152 Resp: 72250

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 158.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 46.056 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008371.D

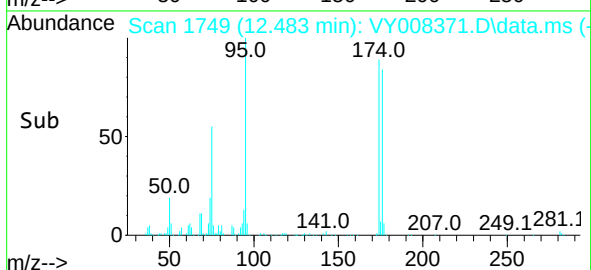
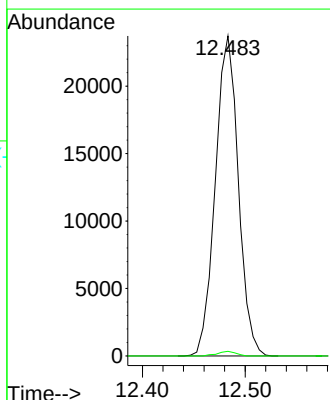
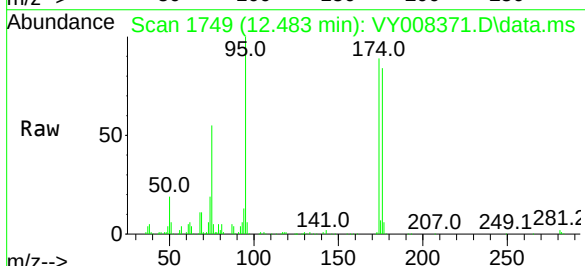
Acq: 18 Apr 2022 14:22

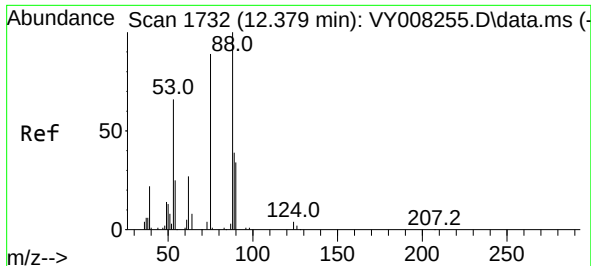
Tgt Ion: 75 Resp: 36802

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

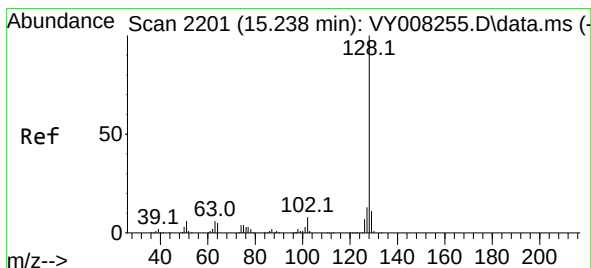
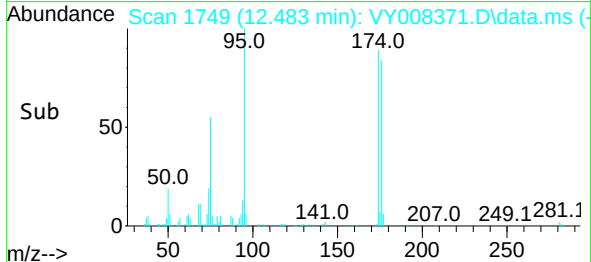
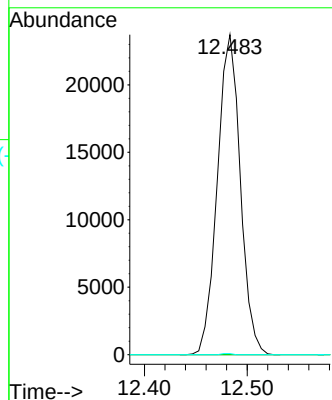
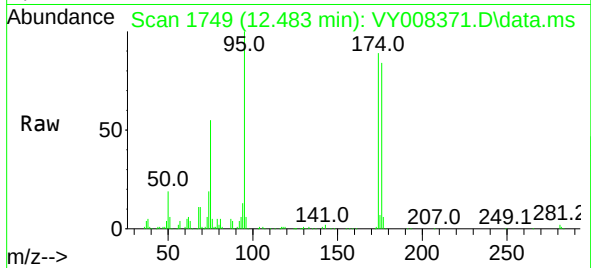




#81
trans-1,4-Dichloro-2-butene
Concen: 103.049 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-041422

Tgt Ion: 75 Resp: 36802
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 3.548 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.001 min
Lab File: VY008371.D
Acq: 18 Apr 2022 14:22

Tgt Ion:128 Resp: 10425
Ion Ratio Lower Upper
128 100
127 14.0 11.0 16.4
129 12.2 8.4 12.6

