

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011641.D
 Acq On : 30 Nov 2022 15:15
 Operator : KP/MD
 Sample : N5792-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-112822RE

Quant Time: Dec 01 05:24:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

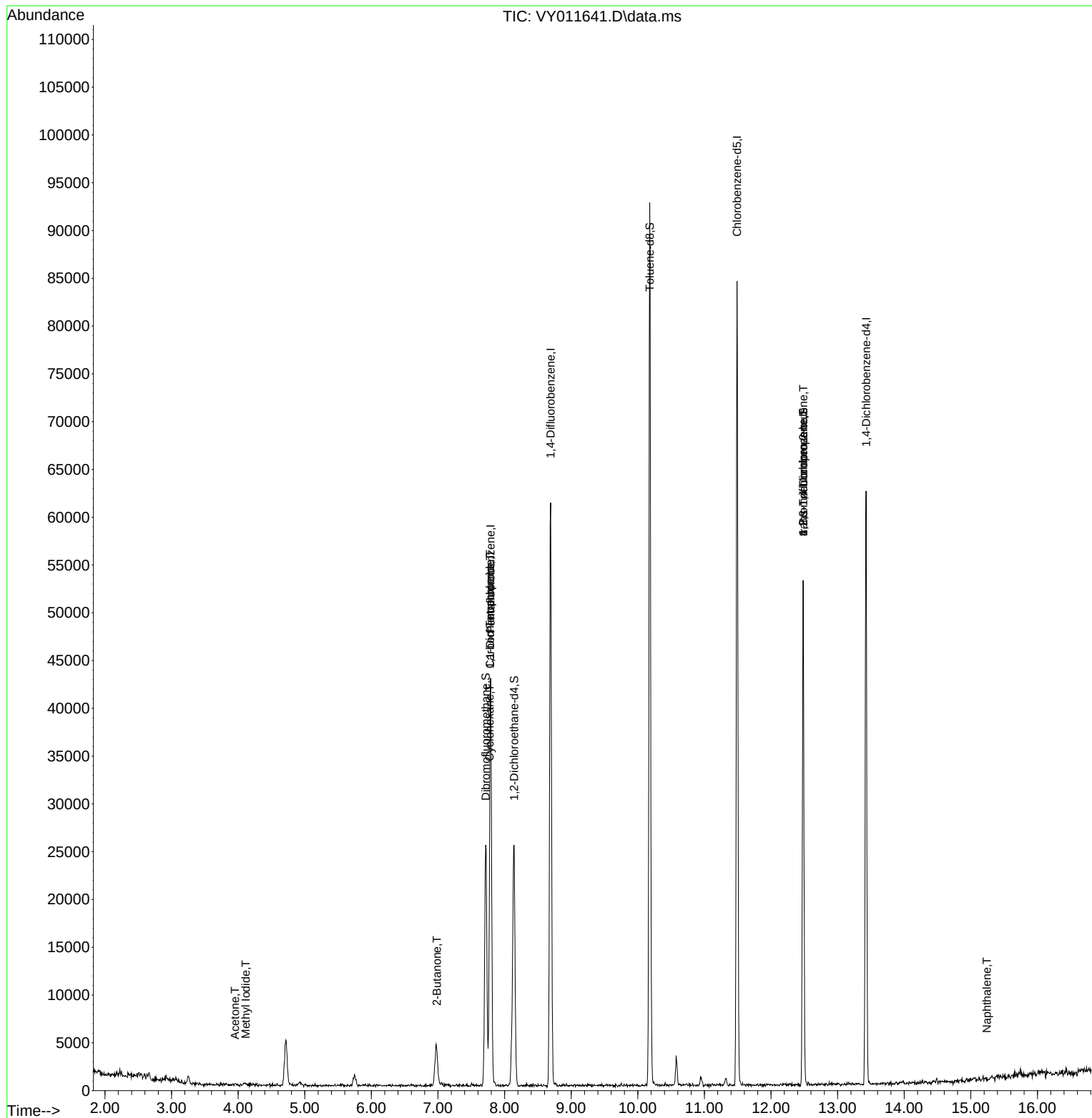
Internal Standards						
1) Pentafluorobenzene	7.789	168	31607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	52199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	45232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18913	58.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.860%	
35) Dibromofluoromethane	7.716	113	18056	56.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.380%	
50) Toluene-d8	10.179	98	60857	52.117	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.483	95	15555	36.029	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	87	Below Cal	#	43
3) Chloromethane	2.113	50	70	Below Cal	#	44
5) Bromomethane	2.662	94	241	Below Cal		92
10) Methyl Iodide	4.113	142	383	1.084	ug/l #	79
11) Tert butyl alcohol	4.930	59	335	Below Cal	#	77
16) Acetone	3.954	43	344	3.300	ug/l #	47
20) Methylene Chloride	4.716	84	3288	Below Cal		90
25) 2-Butanone	6.984	43	245	1.788	ug/l #	54
31) Cyclohexane	7.777	56	705	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	2584	5.144	ug/l #	49
38) Carbon Tetrachloride	7.783	117	3322	5.911	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	8254	45.268	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8254	99.153	ug/l #	7
95) Naphthalene	15.239	128	52	4.100	ug/l #	69

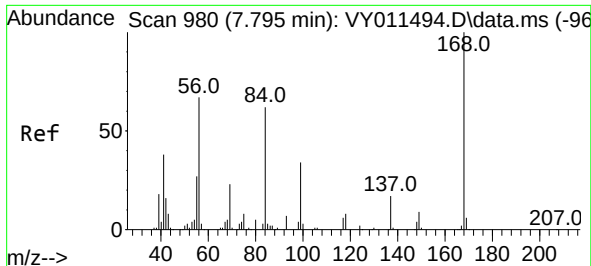
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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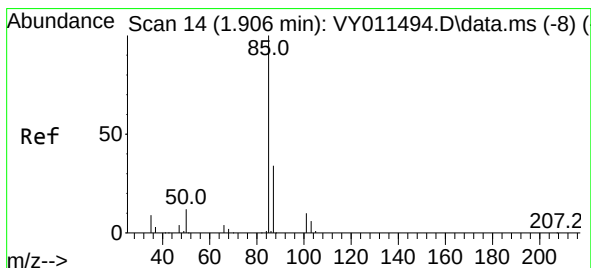
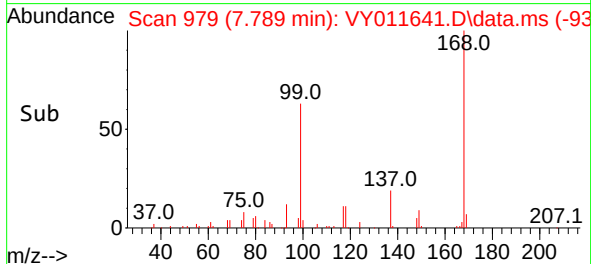
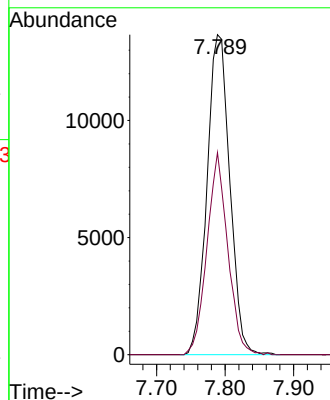
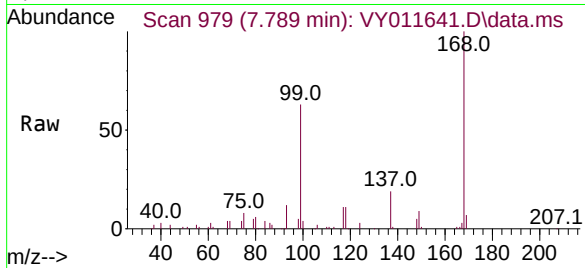




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

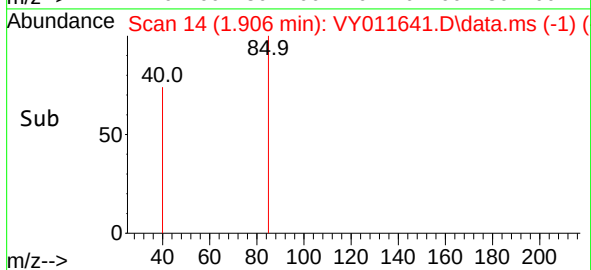
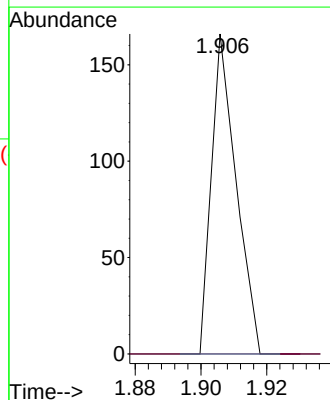
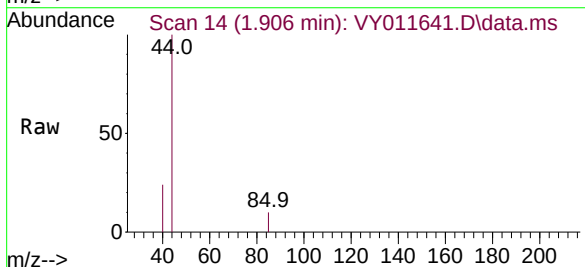
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

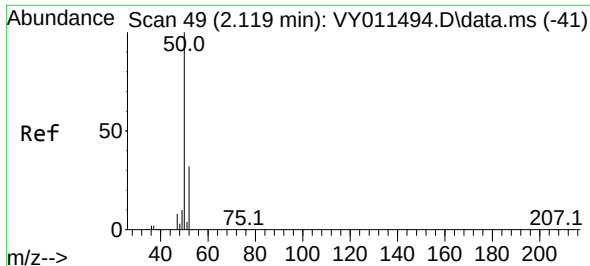
Tgt Ion:168 Resp: 31607
Ion Ratio Lower Upper
168 100
99 63.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 85 Resp: 87
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

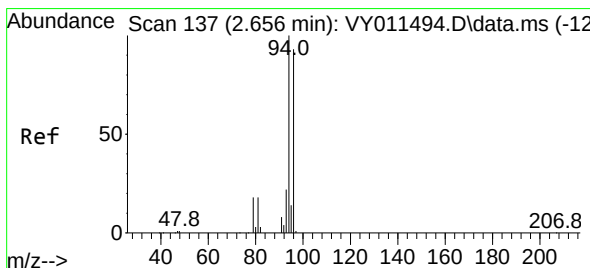
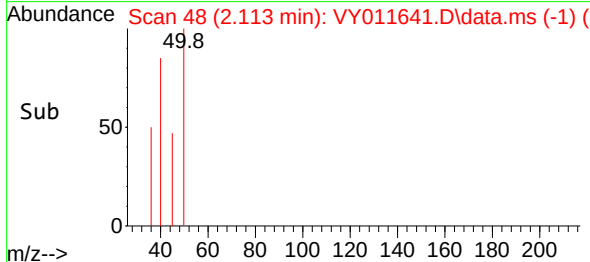
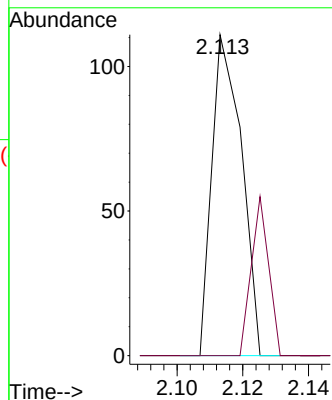
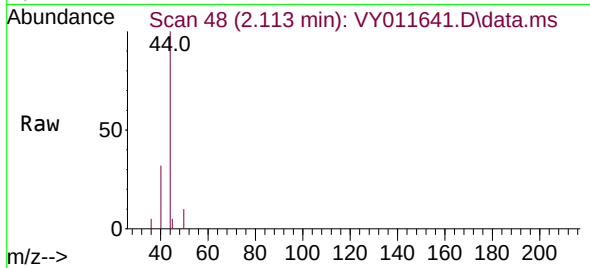




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

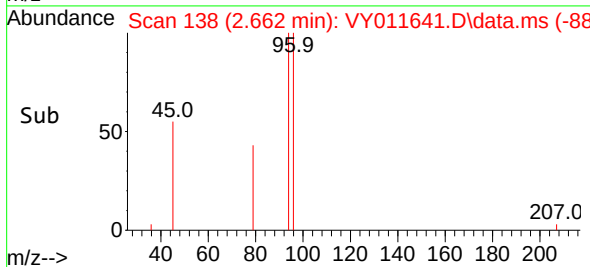
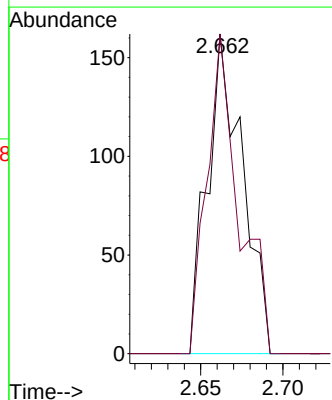
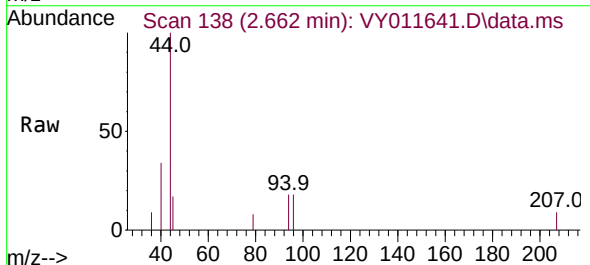
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

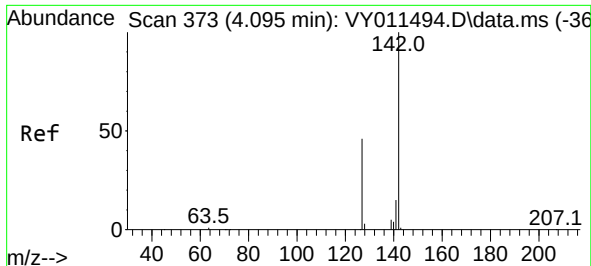
Tgt Ion: 50 Resp: 70
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 100.0 73.5 110.3

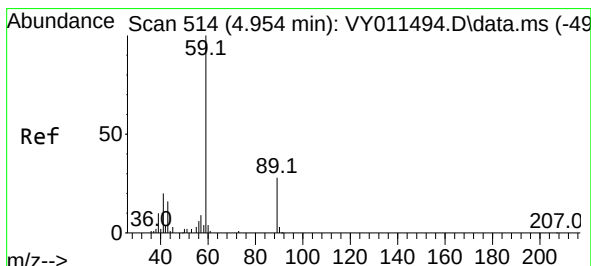
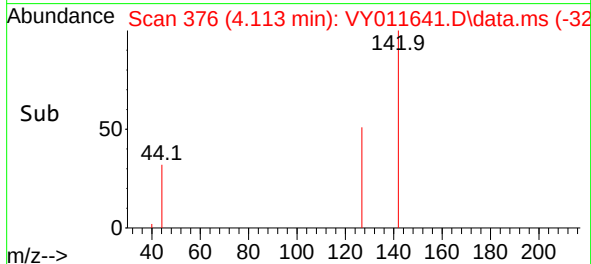
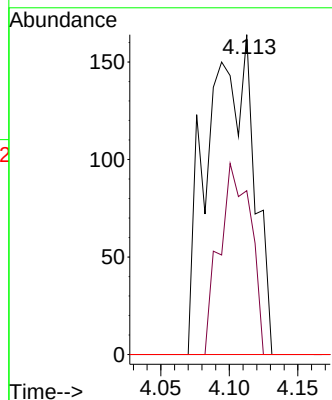
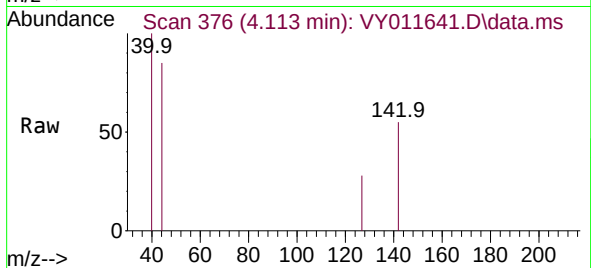




#10
Methyl Iodide
Concen: 1.084 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

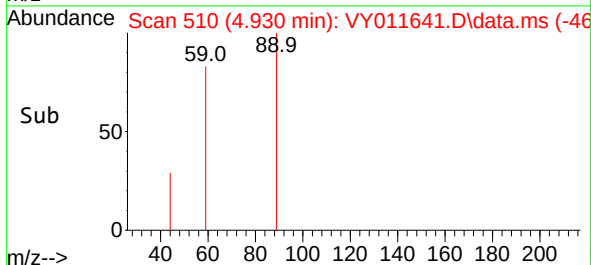
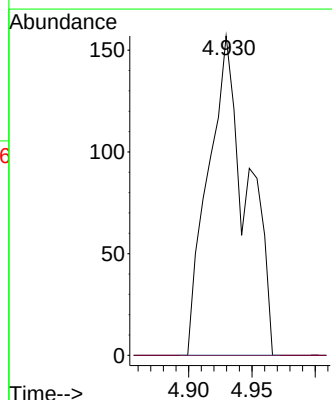
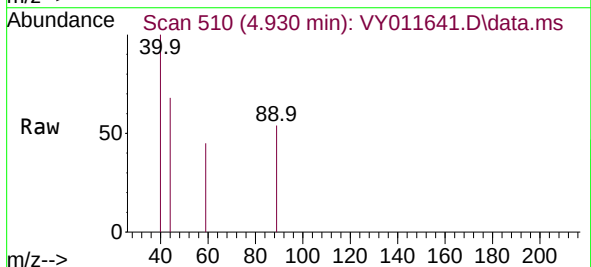
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

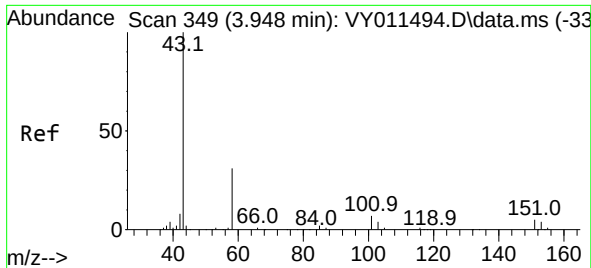
Tgt Ion:142 Resp: 383
Ion Ratio Lower Upper
142 100
127 40.5 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 59 Resp: 335
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

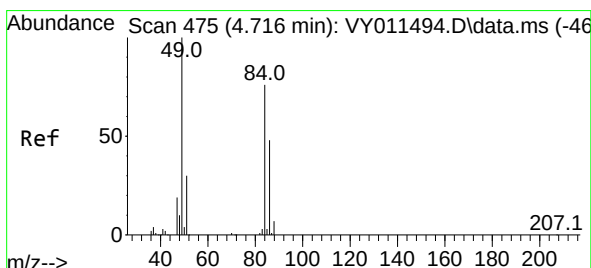
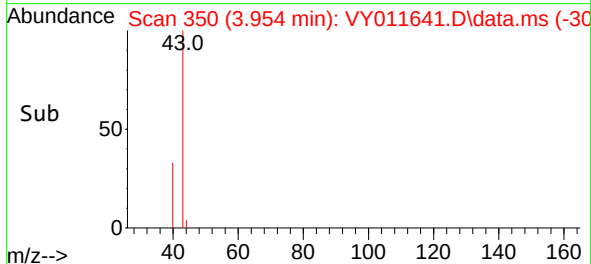
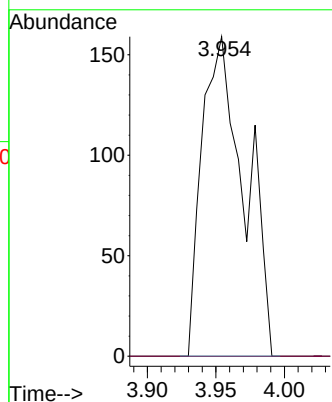
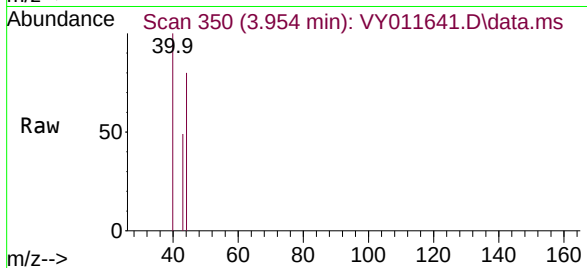




#16
Acetone
Concen: 3.300 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

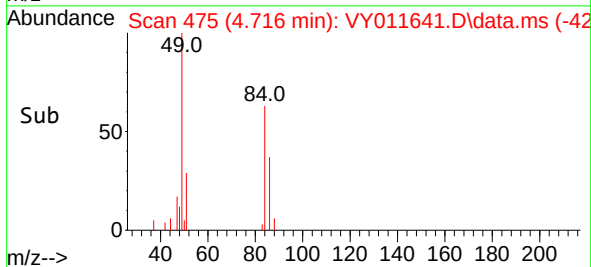
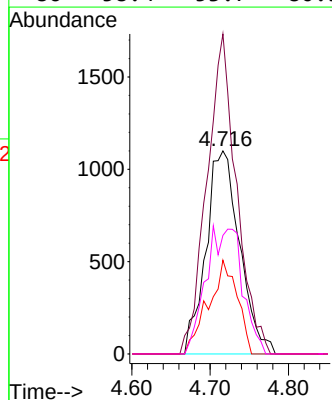
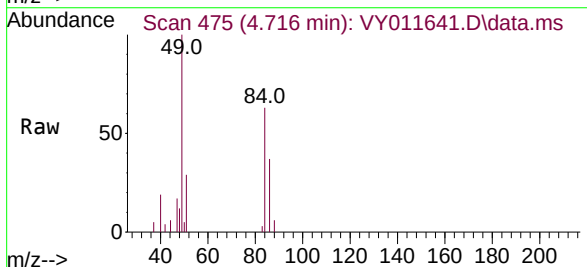
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

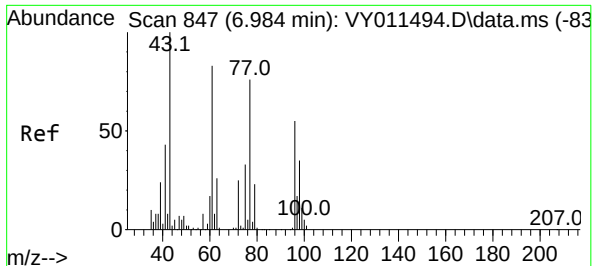
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 84 Resp: 3288
Ion Ratio Lower Upper
84 100
49 157.5 114.4 171.6
51 46.2 35.3 52.9
86 58.4 53.7 80.5





#25

2-Butanone

Concen: 1.788 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011641.D

Acq: 30 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

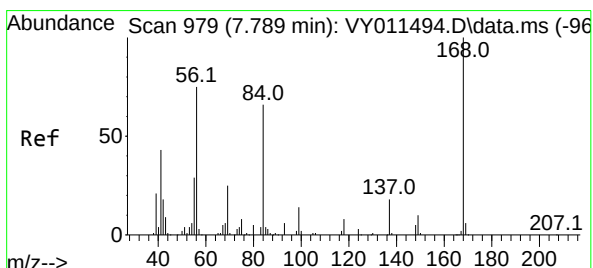
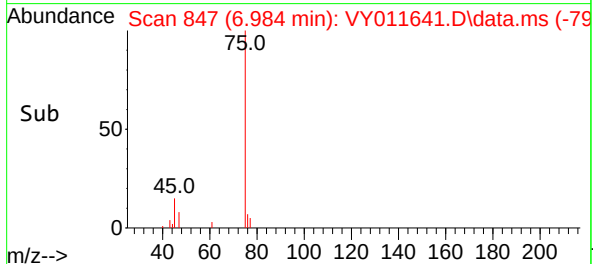
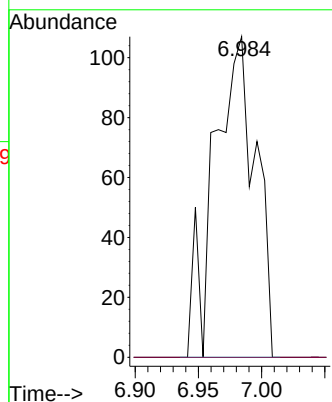
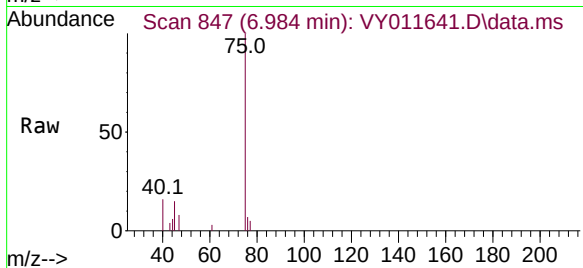
OR-02-112822RE

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY011641.D

Acq: 30 Nov 2022 15:15

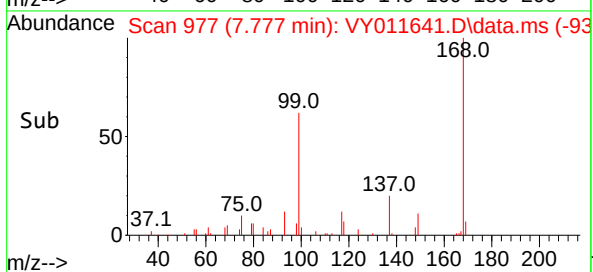
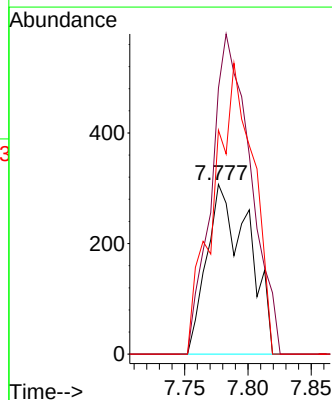
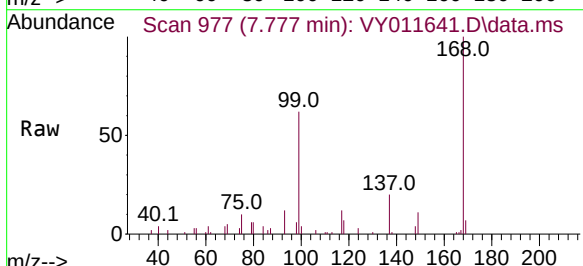
Tgt Ion: 56 Resp: 705

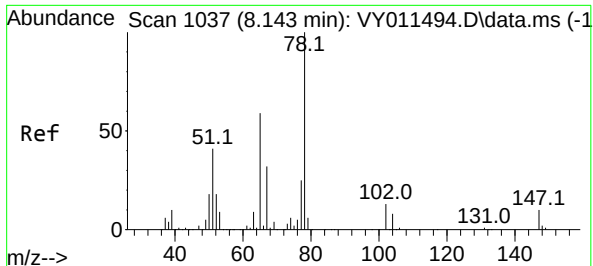
Ion Ratio Lower Upper

56 100

69 156.7 26.7 40.1#

84 131.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.931 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011641.D

Acq: 30 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

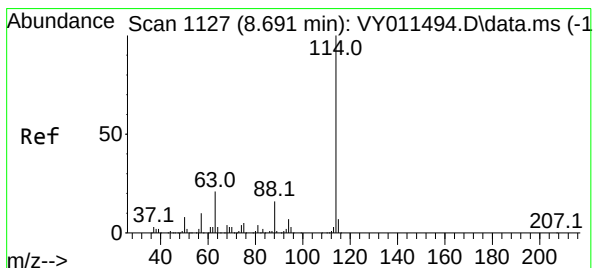
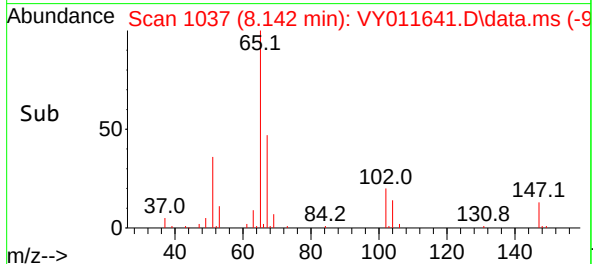
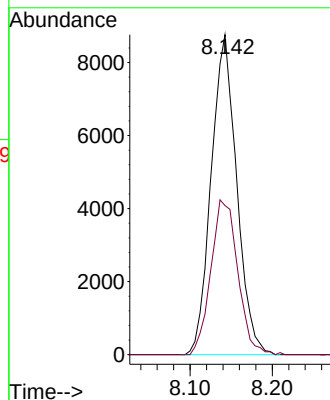
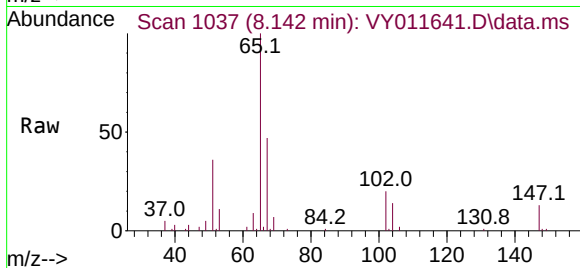
OR-02-112822RE

Tgt Ion: 65 Resp: 18913

Ion Ratio Lower Upper

65 100

67 51.0 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: VY011641.D

Acq: 30 Nov 2022 15:15

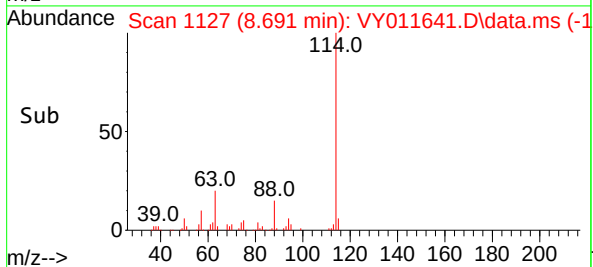
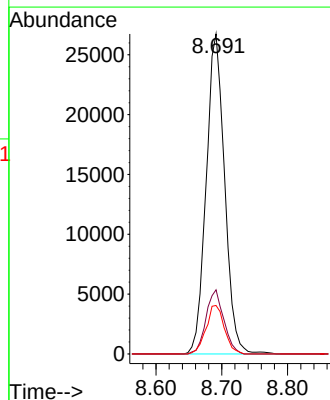
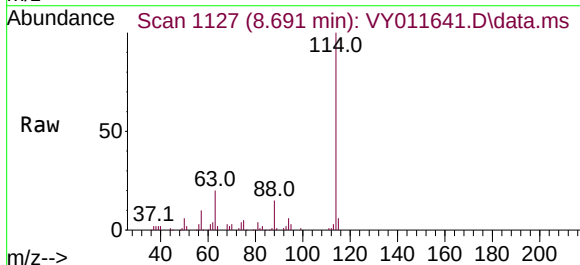
Tgt Ion: 114 Resp: 52199

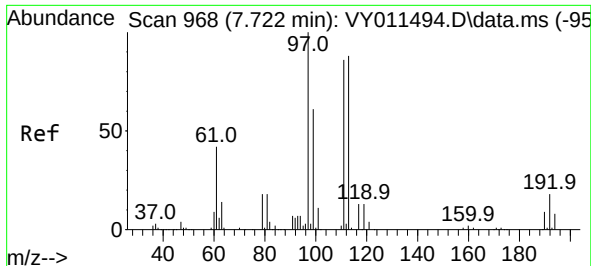
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.1 0.0 31.8

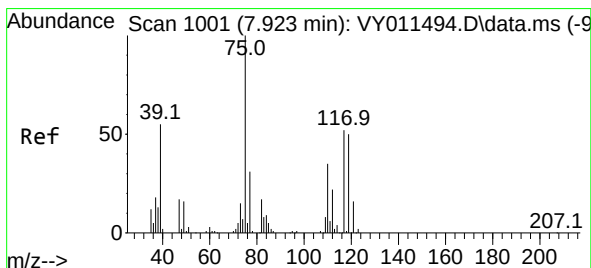
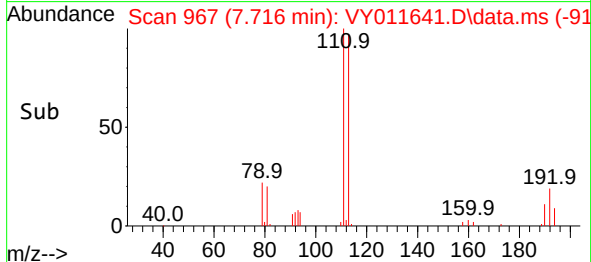
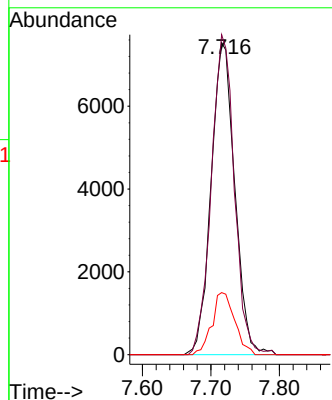
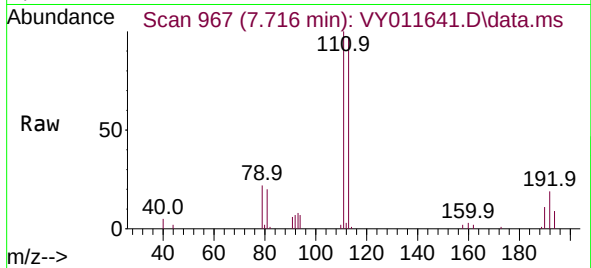




#35
Dibromofluoromethane
Concen: 56.191 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

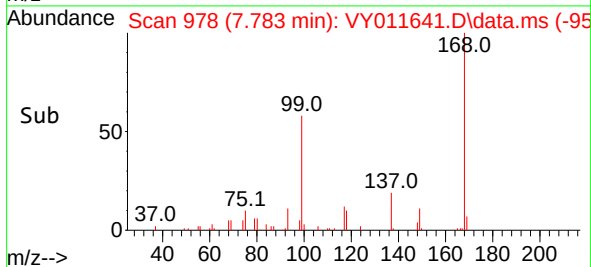
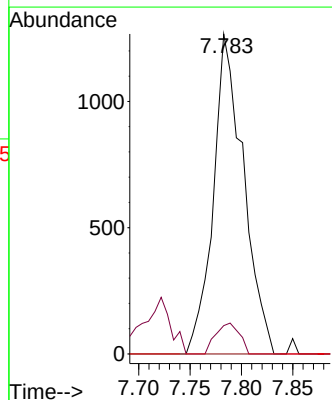
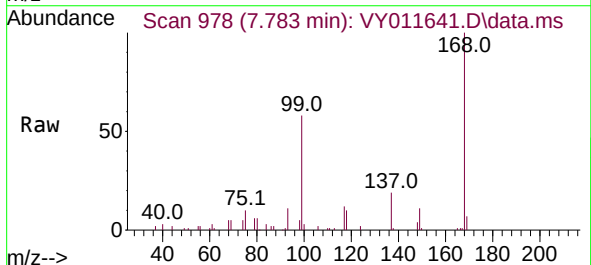
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

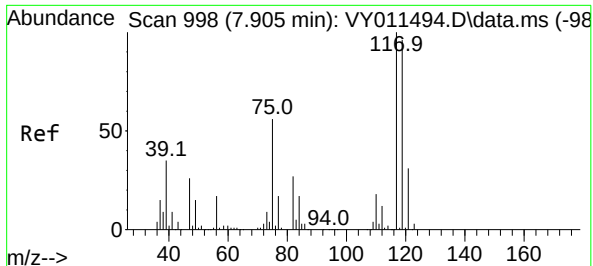
Tgt Ion:113 Resp: 18056
Ion Ratio Lower Upper
113 100
111 99.7 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 75 Resp: 2584
Ion Ratio Lower Upper
75 100
110 7.6 17.1 51.2#
77 0.0 24.4 36.6#

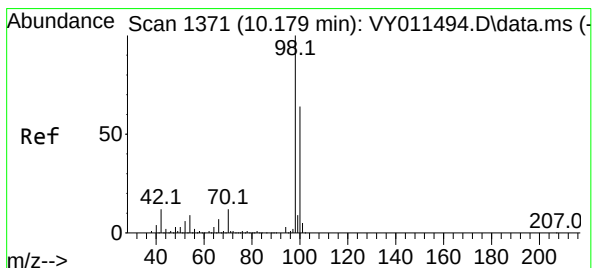
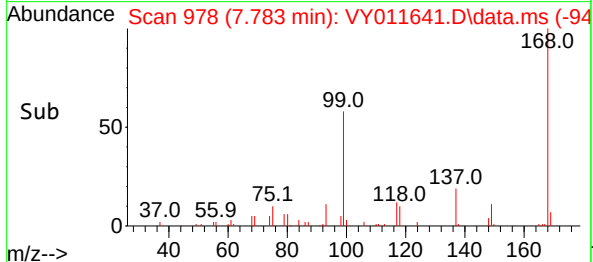
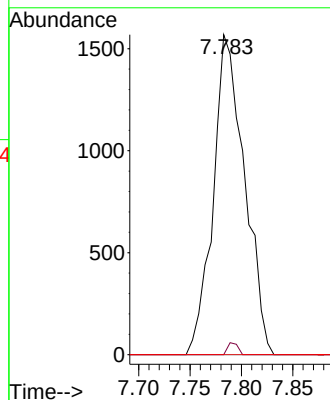
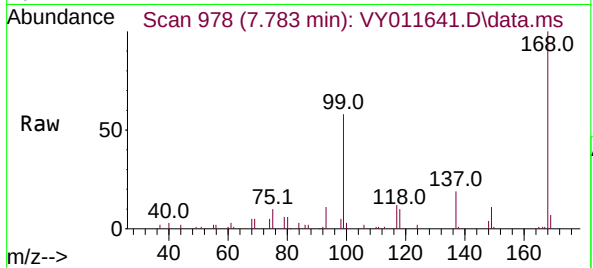




#38
Carbon Tetrachloride
Concen: 5.911 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

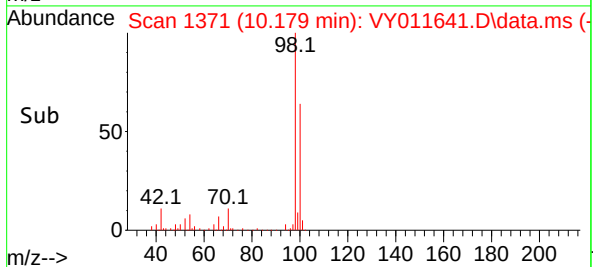
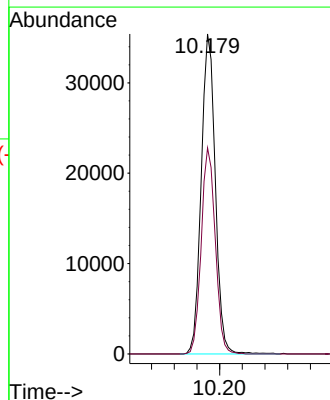
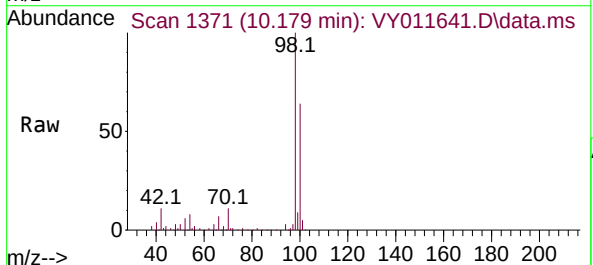
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

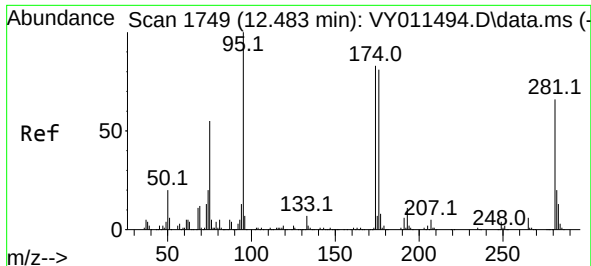
Tgt Ion:117 Resp: 3322
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.117 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 98 Resp: 60857
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 36.029 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011641.D

Acq: 30 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-112822RE

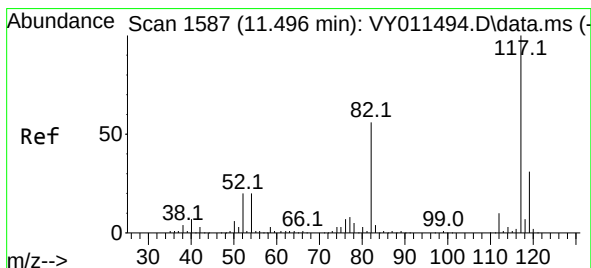
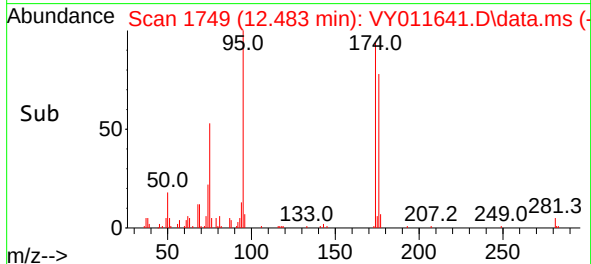
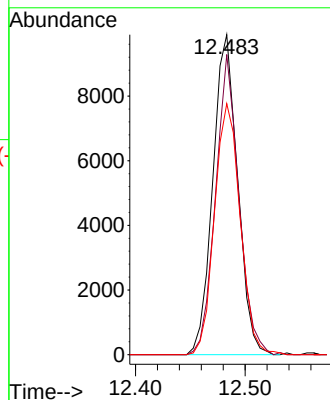
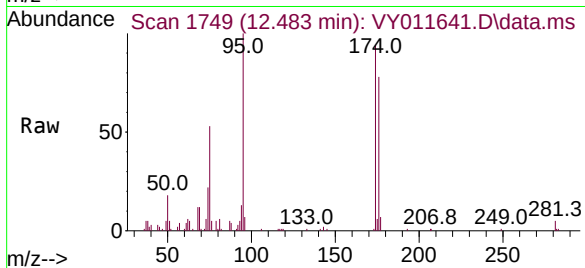
Tgt Ion: 95 Resp: 15555

Ion Ratio Lower Upper

95 100

174 88.3 0.0 177.0

176 81.4 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.007 min

Lab File: VY011641.D

Acq: 30 Nov 2022 15:15

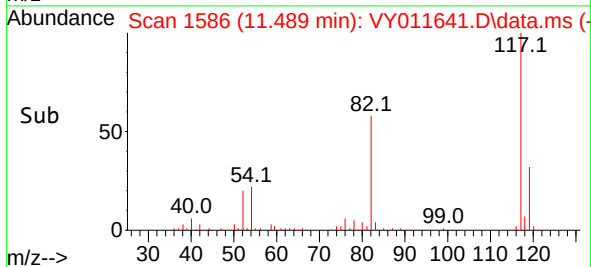
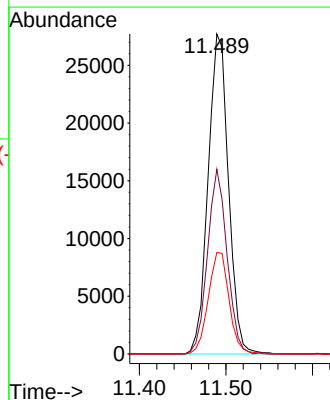
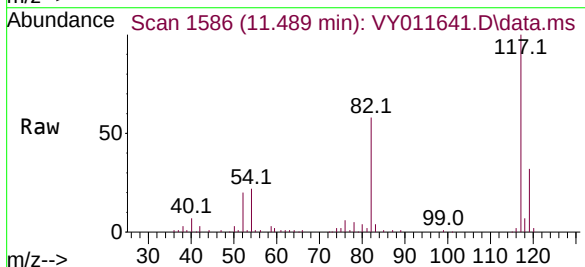
Tgt Ion: 117 Resp: 45232

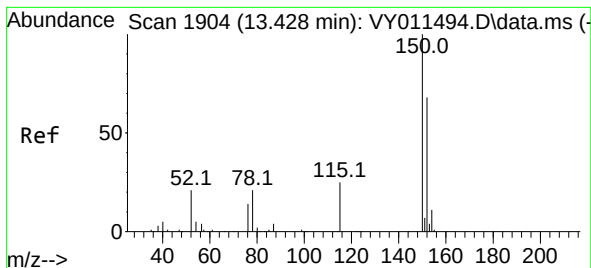
Ion Ratio Lower Upper

117 100

82 57.7 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: VY011641.D

Acq: 30 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-112822RE

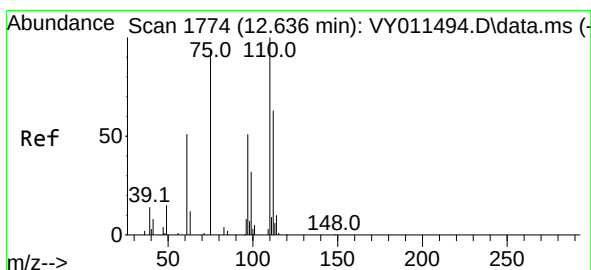
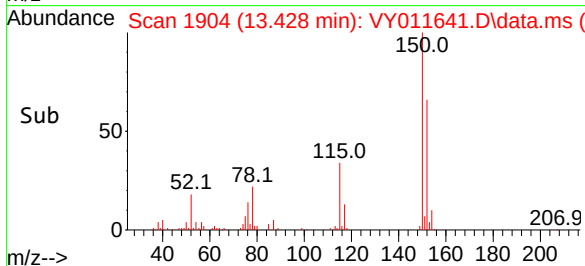
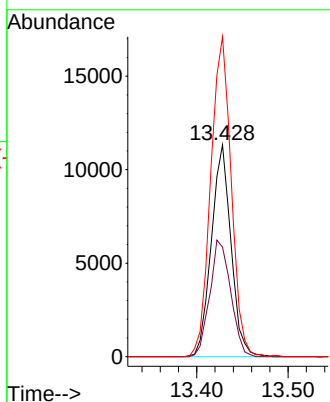
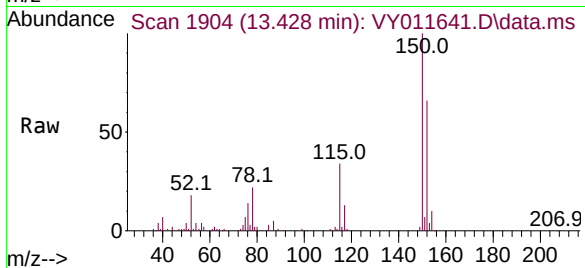
Tgt Ion:152 Resp: 16931

Ion Ratio Lower Upper

152 100

115 58.5 28.2 84.7

150 157.4 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.268 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011641.D

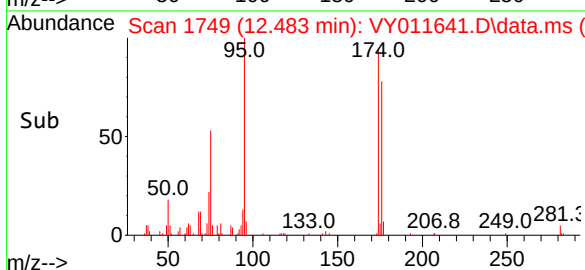
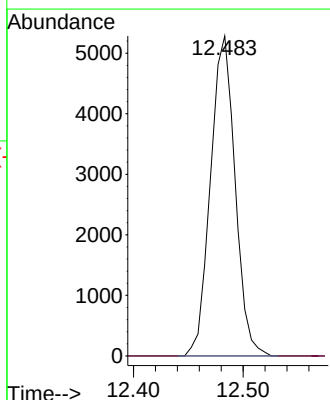
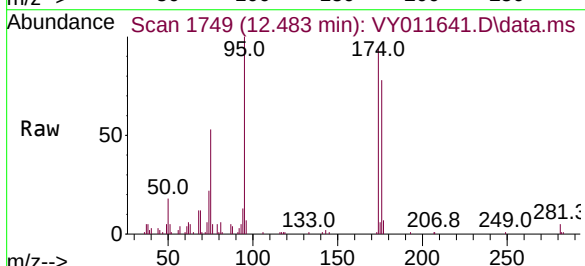
Acq: 30 Nov 2022 15:15

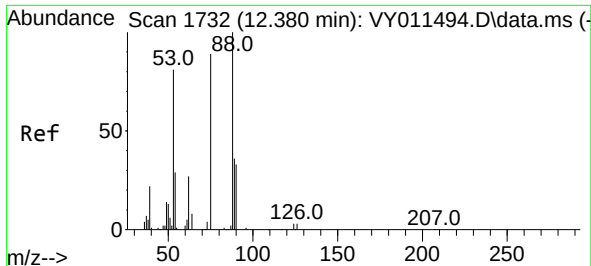
Tgt Ion: 75 Resp: 8254

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

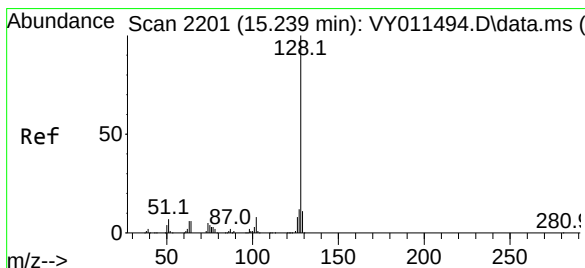
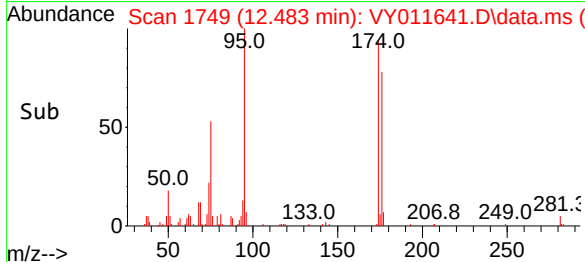
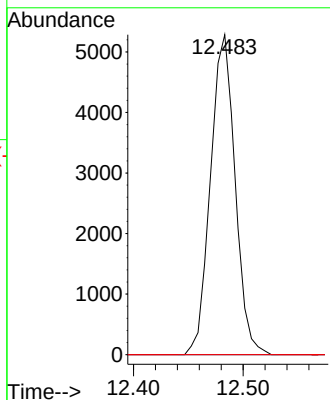
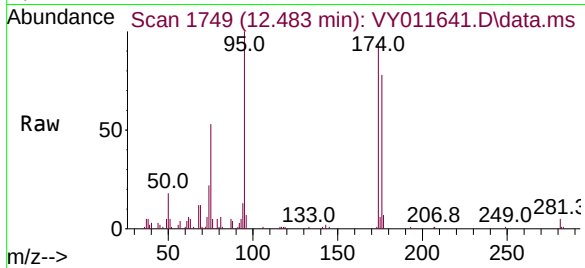




#81
trans-1,4-Dichloro-2-butene
Concen: 99.153 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-112822RE

Tgt Ion: 75 Resp: 8254
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.100 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011641.D
Acq: 30 Nov 2022 15:15

Tgt Ion: 128 Resp: 52
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

