

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120222\
 Data File : VY011679.D
 Acq On : 02 Dec 2022 13:38
 Operator : KP/MD
 Sample : N5833-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 02 23:51:58 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)

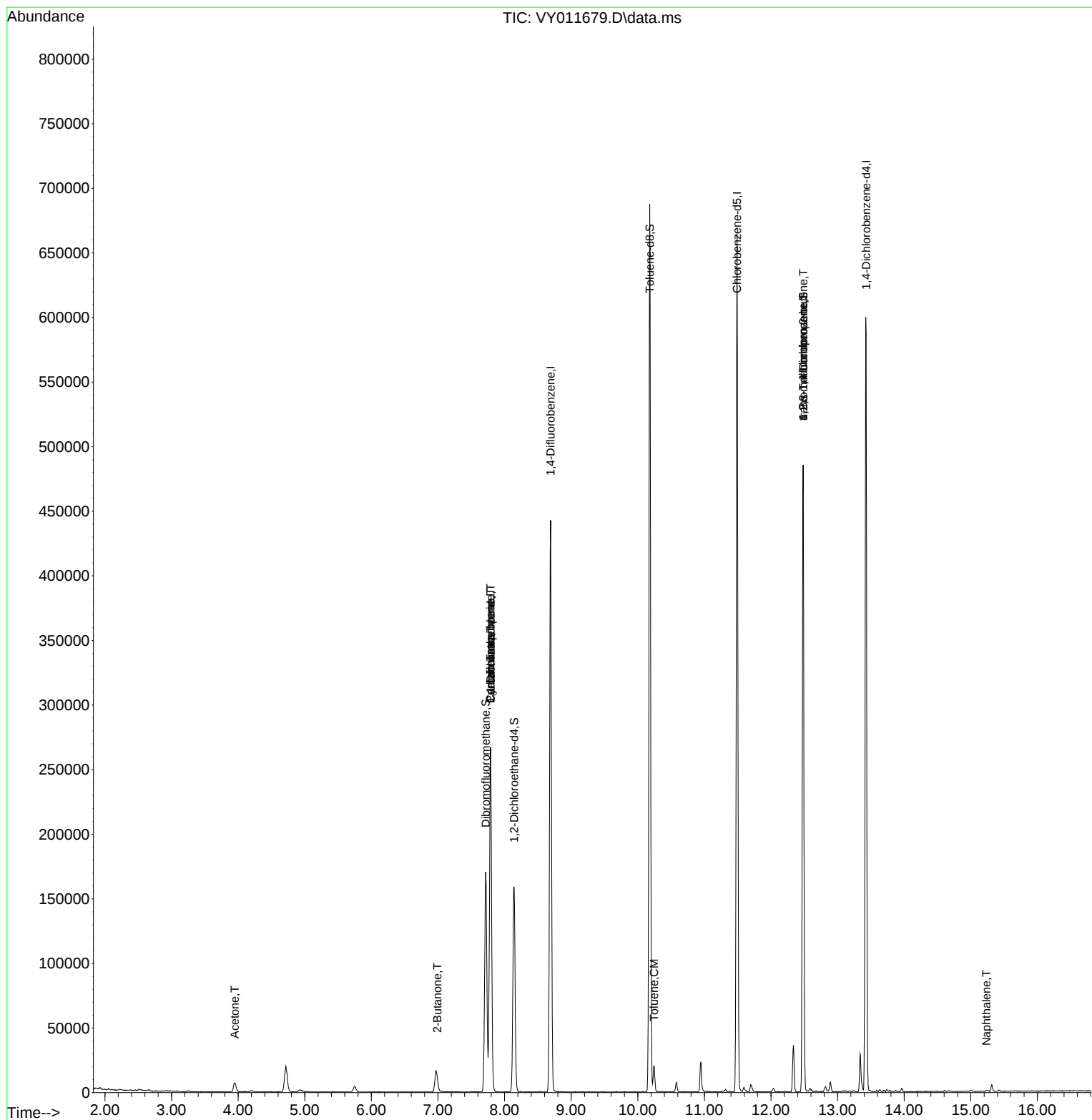
Internal Standards						
1) Pentafluorobenzene	7.789	168	200282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	363891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	352095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129914	63.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.760%			
35) Dibromofluoromethane	7.716	113	116711	52.101	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.200%			
50) Toluene-d8	10.179	98	443948	54.537	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.080%			
62) 4-Bromofluorobenzene	12.483	95	148890	49.470	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	288	Below Cal	#	44
5) Bromomethane	2.668	94	291	Below Cal	#	54
11) Tert butyl alcohol	4.924	59	1276	Below Cal	#	77
16) Acetone	3.948	43	13259	20.072	ug/l #	89
18) Methyl Acetate	4.485	43	372	Below Cal	#	56
20) Methylene Chloride	4.716	84	14601	Below Cal		87
25) 2-Butanone	6.990	43	1493	1.720	ug/l	97
31) Cyclohexane	7.789	56	4462	1.324	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	15546	4.440	ug/l #	51
38) Carbon Tetrachloride	7.789	117	20554	5.247	ug/l #	15
52) Toluene	10.246	92	8546	1.325	ug/l	89
76) 1,2,3-Trichloropropane	12.483	75	78216	46.501	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78216	101.853	ug/l #	7
95) Naphthalene	15.233	128	1071	4.198	ug/l #	87

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

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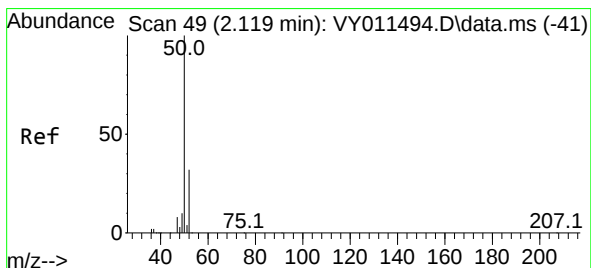
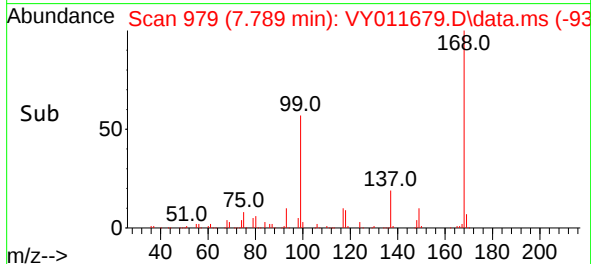
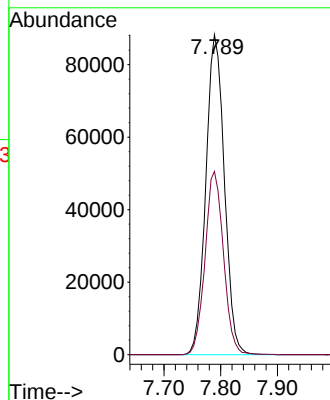
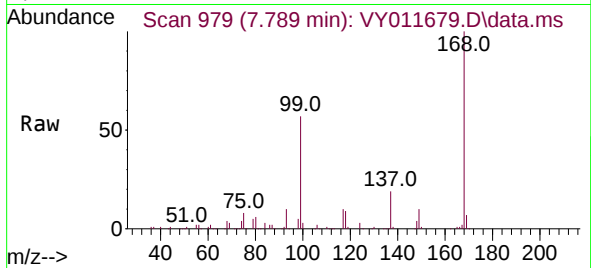




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

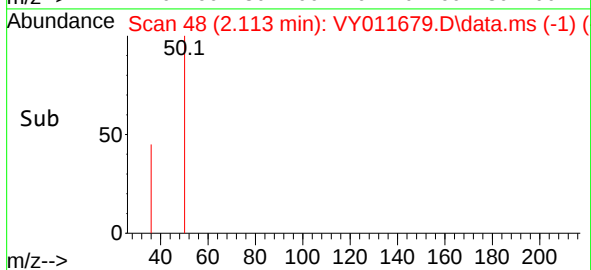
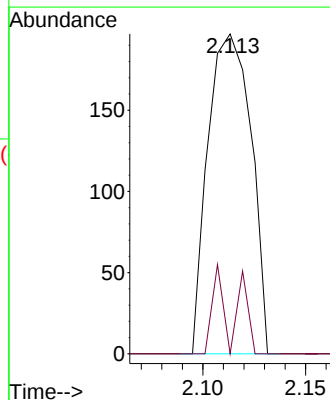
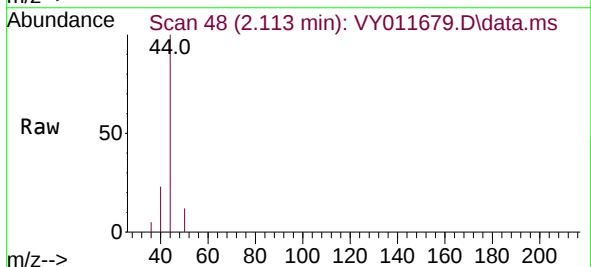
Instrument :
MSVOA_Y
ClientSampleId :

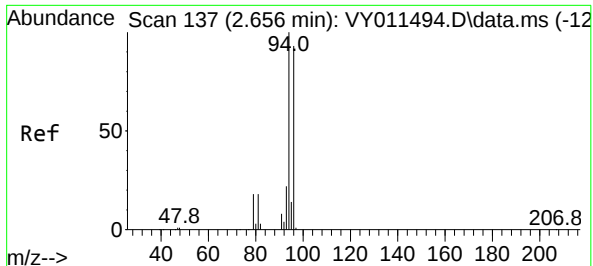
Tgt Ion:168 Resp: 200282
Ion Ratio Lower Upper
168 100
99 57.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

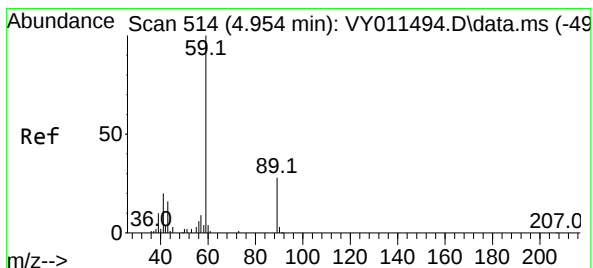
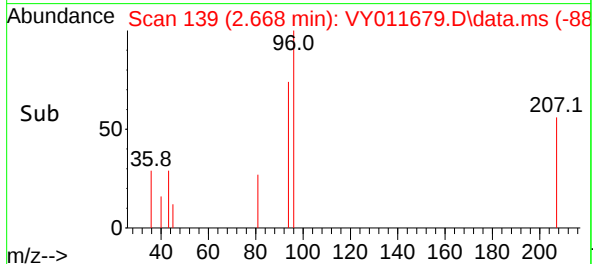
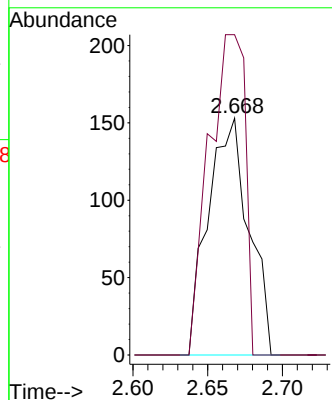
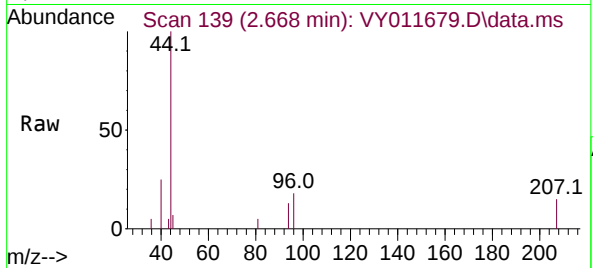




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

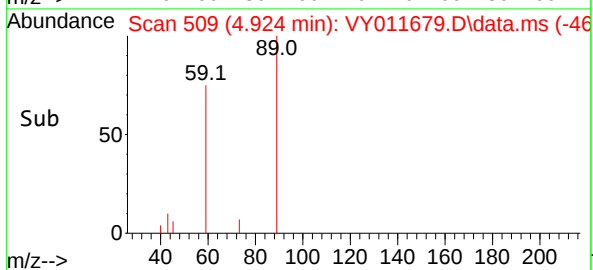
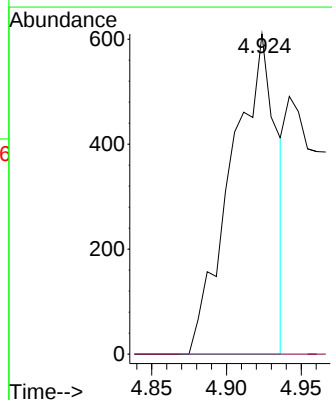
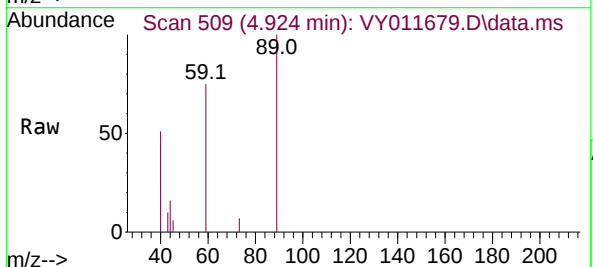
Instrument :
MSVOA_Y
ClientSampleId :

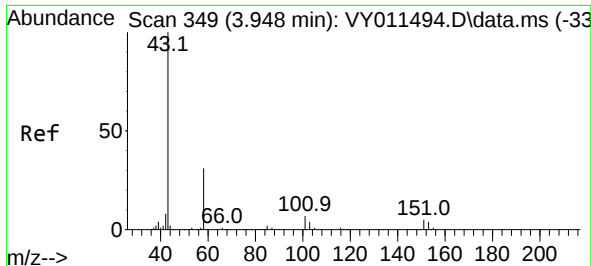
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 135.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Tgt Ion: 59 Resp: 1276
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 20.072 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011679.D

Acq: 02 Dec 2022 13:38

Instrument :

MSVOA_Y

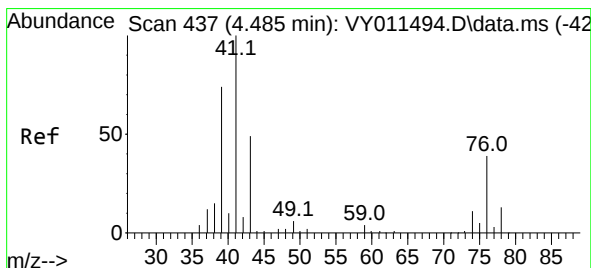
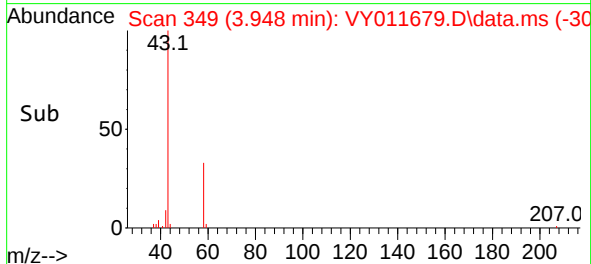
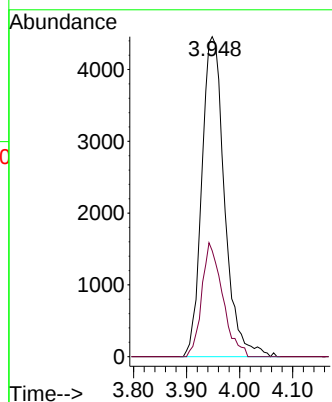
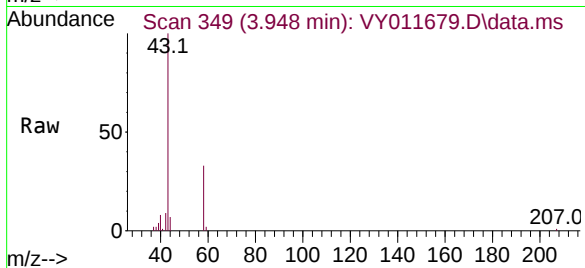
ClientSampleId :

Tgt Ion: 43 Resp: 13259

Ion Ratio Lower Upper

43 100

58 33.1 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY011679.D

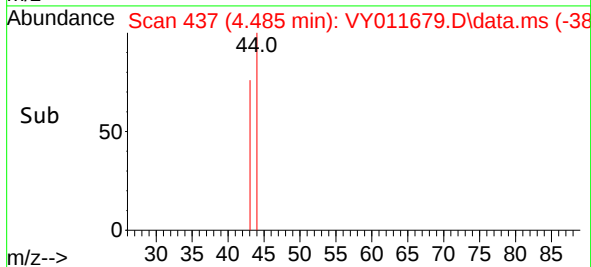
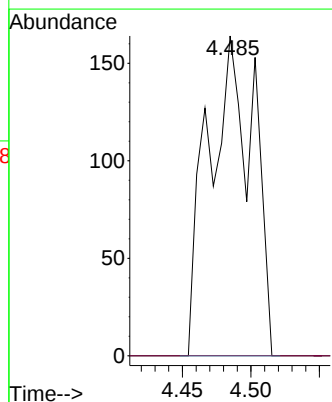
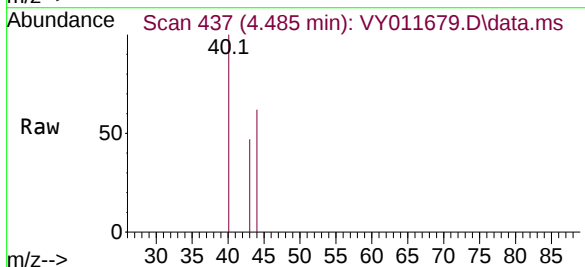
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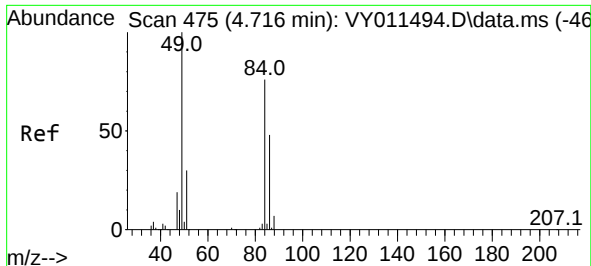
Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

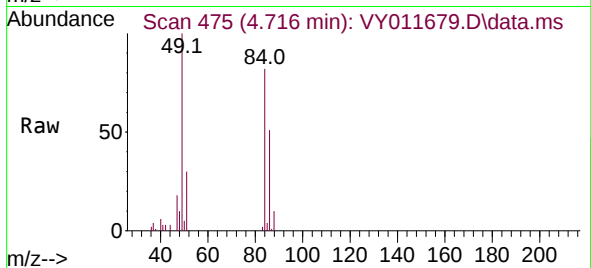
74 0.0 16.6 24.8#



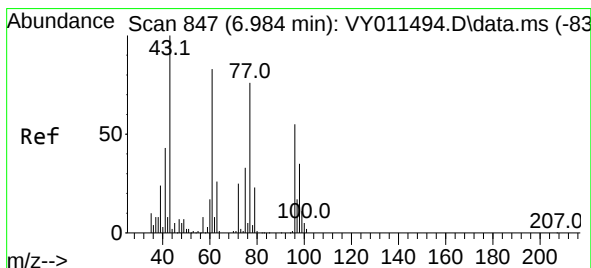
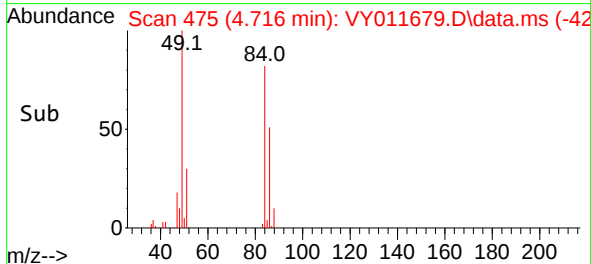
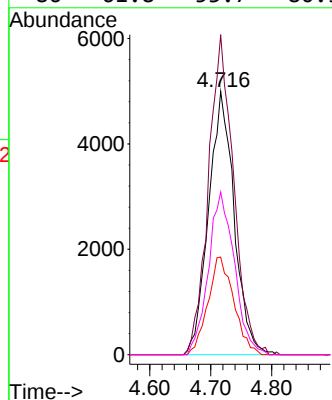


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Instrument :
MSVOA_Y
ClientSampleId :

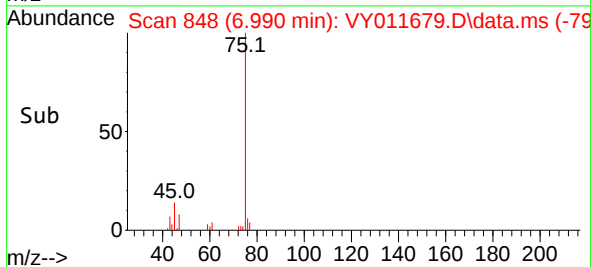
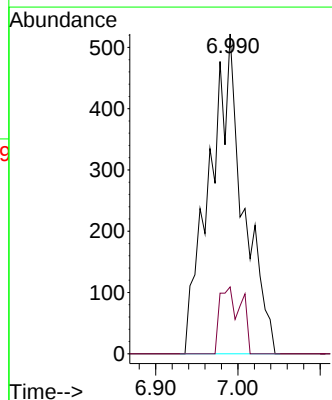
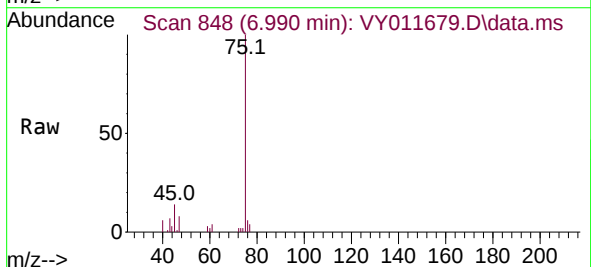


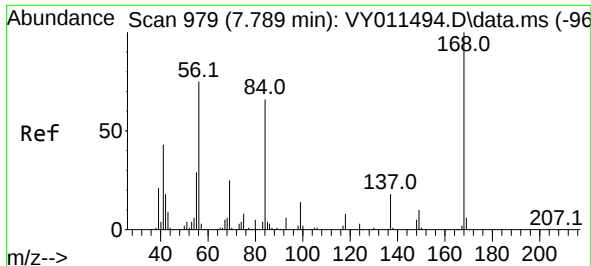
Tgt Ion: 84	Resp: 14601		
Ion	Ratio	Lower	Upper
84	100		
49	121.5	114.4	171.6
51	37.0	35.3	52.9
86	61.8	53.7	80.5



#25
2-Butanone
Concen: 1.720 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

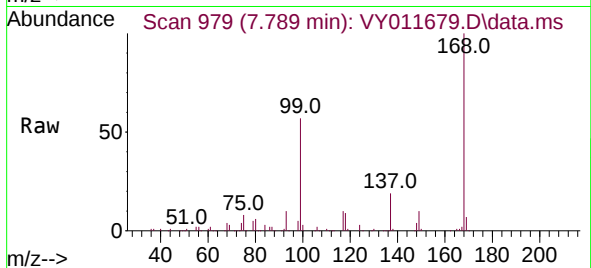
Tgt Ion: 43	Resp: 1493
Ion Ratio	Lower Upper
43 100	
72 20.9	17.7 26.5



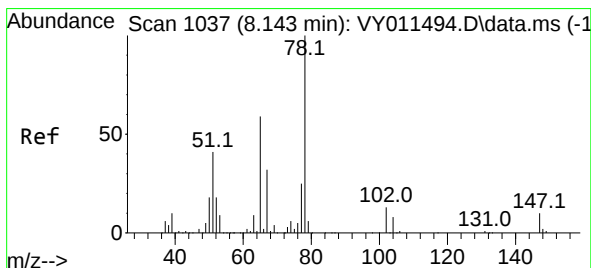
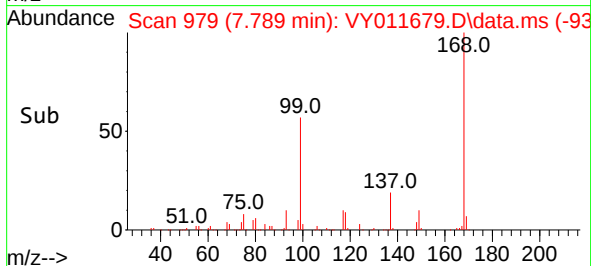
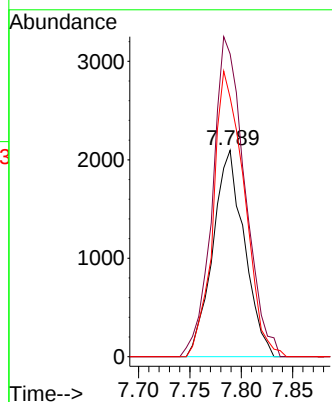


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Instrument :
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ClientSampleId :

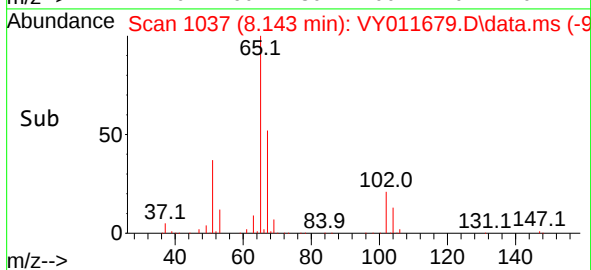
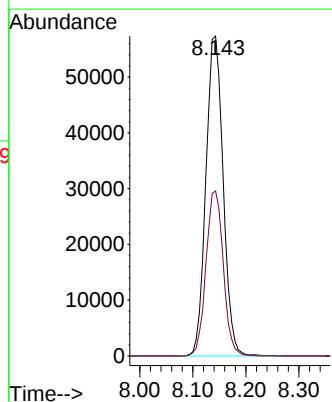
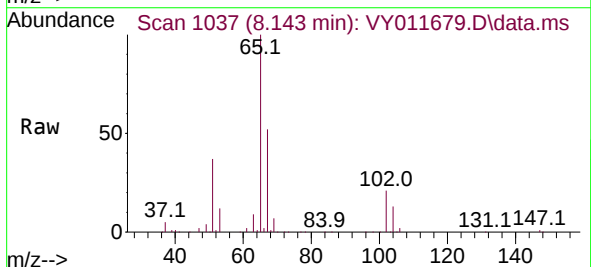


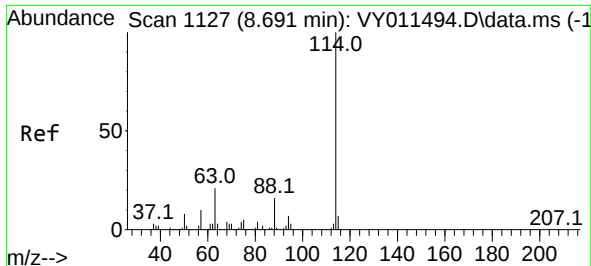
Tgt Ion: 56 Resp: 4462
Ion Ratio Lower Upper
56 100
69 146.7 26.7 40.1#
84 125.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.882 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Tgt Ion: 65 Resp: 129914
Ion Ratio Lower Upper
65 100
67 51.6 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: VY011679.D

Acq: 02 Dec 2022 13:38

Instrument :

MSVOA_Y

ClientSampleId :

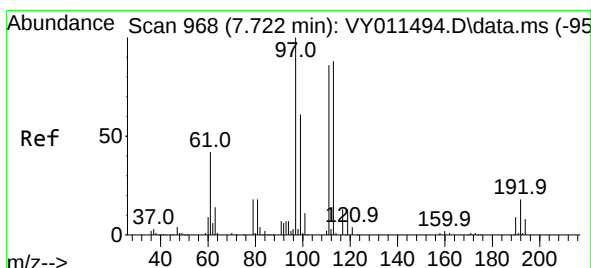
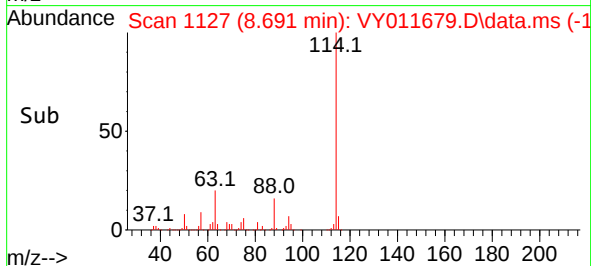
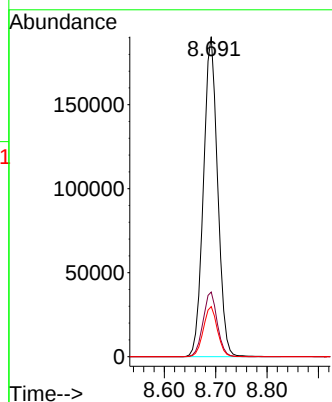
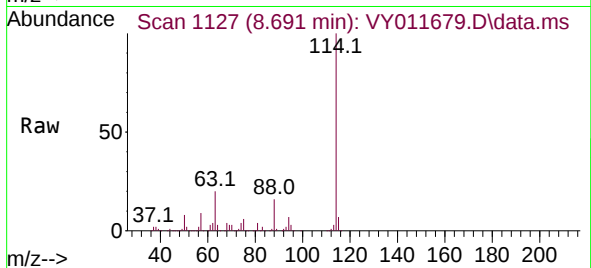
Tgt Ion:114 Resp: 363891

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.101 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011679.D

Acq: 02 Dec 2022 13:38

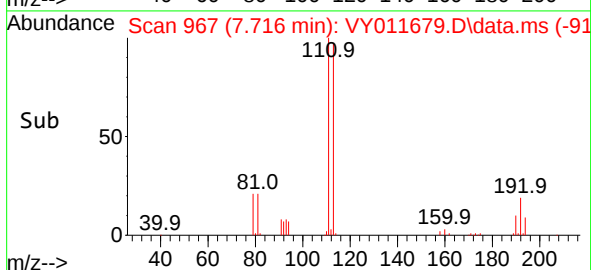
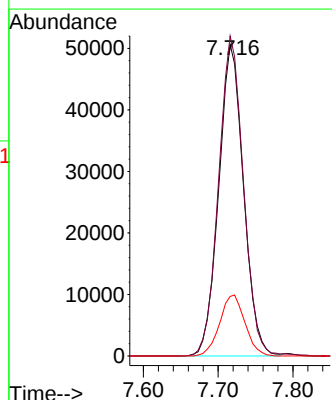
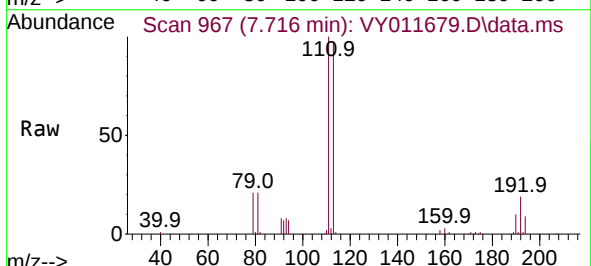
Tgt Ion:113 Resp: 116711

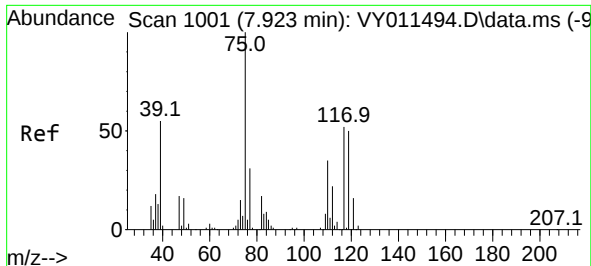
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 19.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.440 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

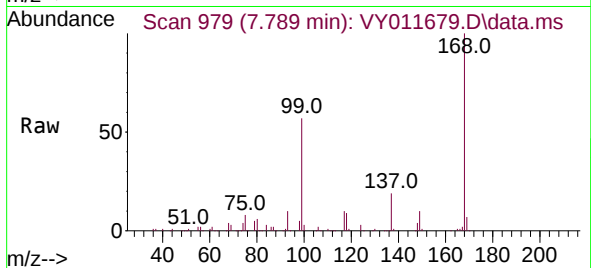
Lab File: VY011679.D

Acq: 02 Dec 2022 13:38

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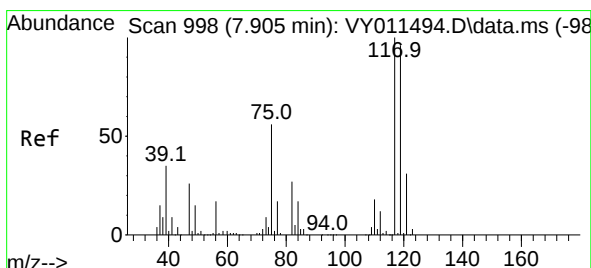
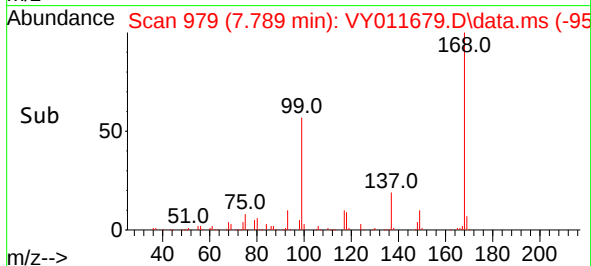
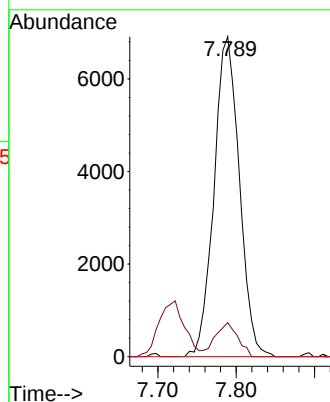
Tgt Ion: 75 Resp: 15546

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.247 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011679.D

Acq: 02 Dec 2022 13:38

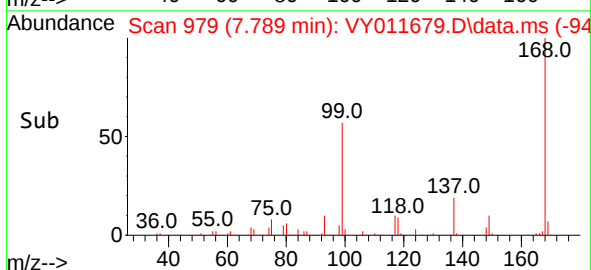
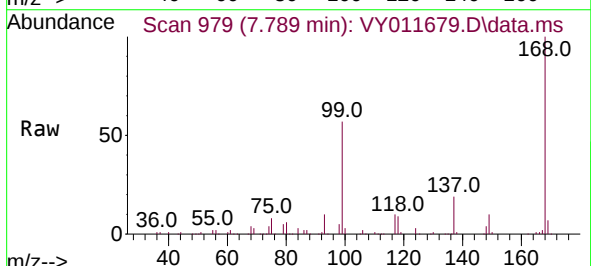
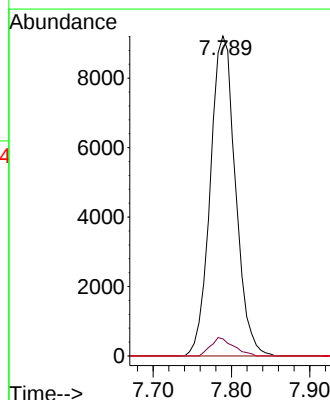
Tgt Ion: 117 Resp: 20554

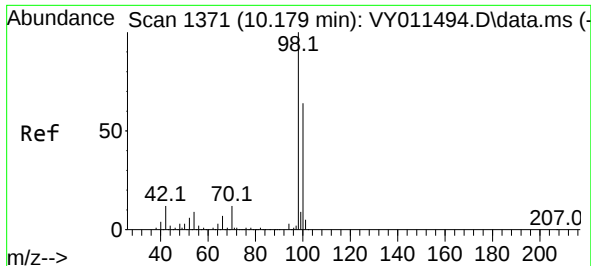
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

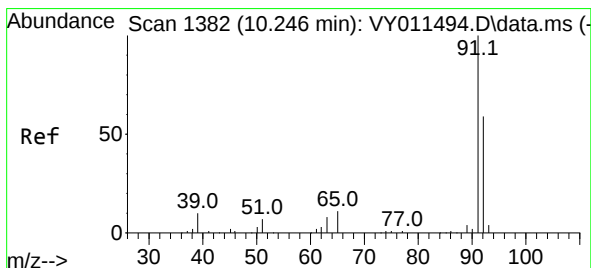
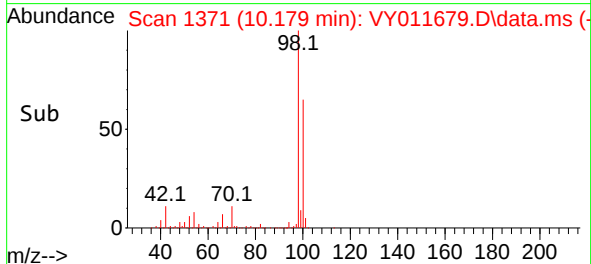
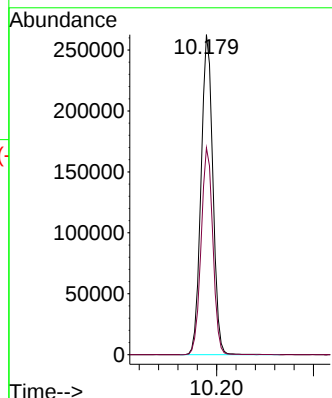
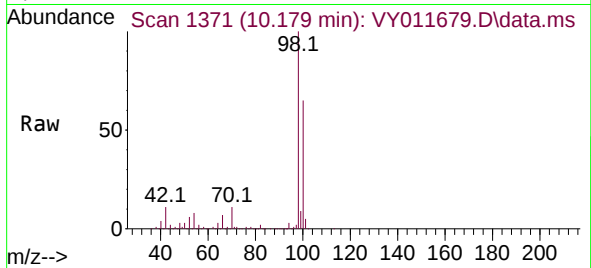




#50
Toluene-d8
Concen: 54.537 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

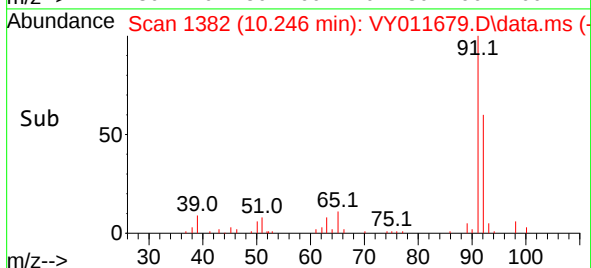
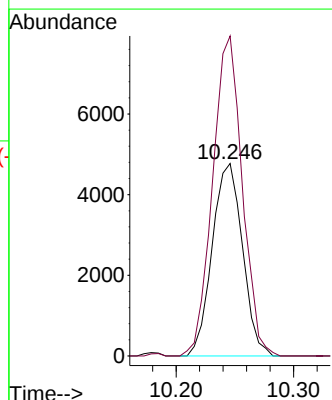
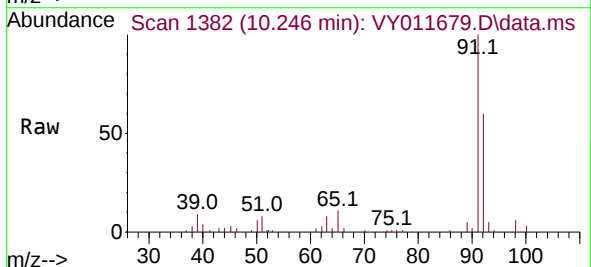
Instrument :
MSVOA_Y
ClientSampleId :

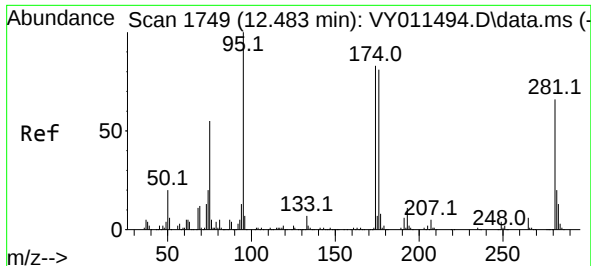
Tgt Ion: 98 Resp: 443948
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#52
Toluene
Concen: 1.325 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Tgt Ion: 92 Resp: 8546
Ion Ratio Lower Upper
92 100
91 162.8 142.6 213.8





#62

4-Bromofluorobenzene

Concen: 49.470 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011679.D

Acq: 02 Dec 2022 13:38

Instrument :

MSVOA_Y

ClientSampleId :

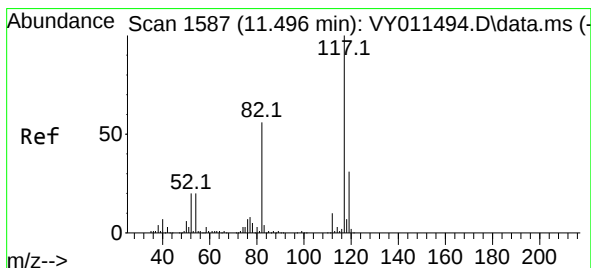
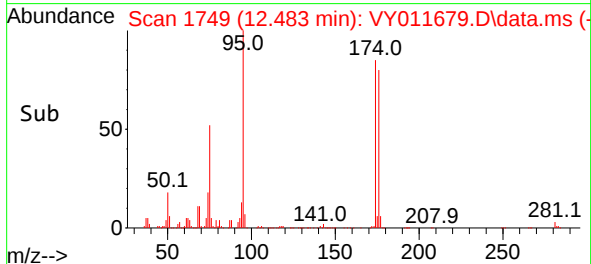
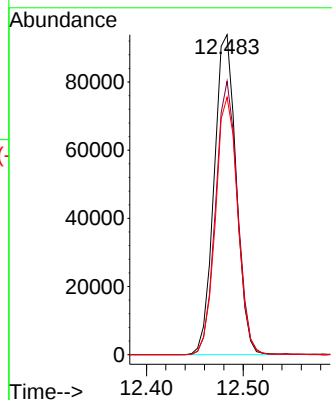
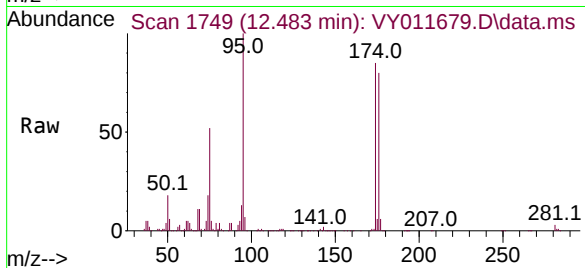
Tgt Ion: 95 Resp: 148890

Ion Ratio Lower Upper

95 100

174 84.9 0.0 177.0

176 80.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.006 min

Lab File: VY011679.D

Acq: 02 Dec 2022 13:38

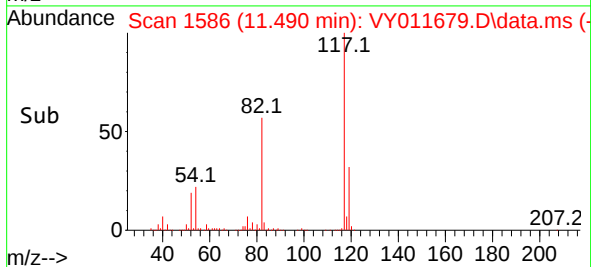
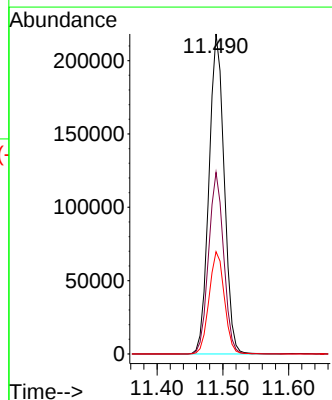
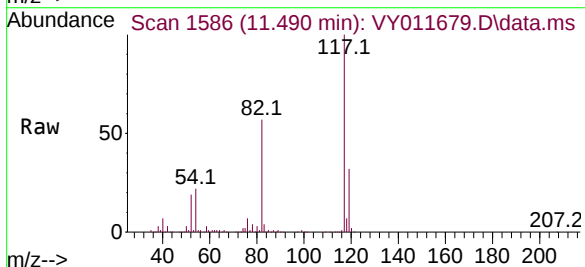
Tgt Ion: 117 Resp: 352095

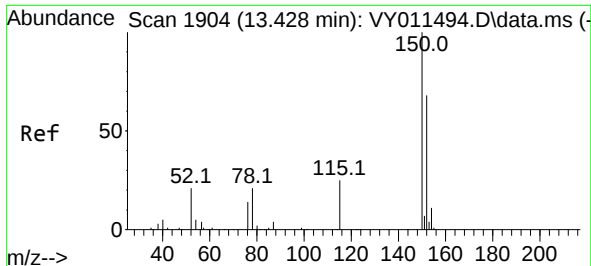
Ion Ratio Lower Upper

117 100

82 56.7 43.0 64.4

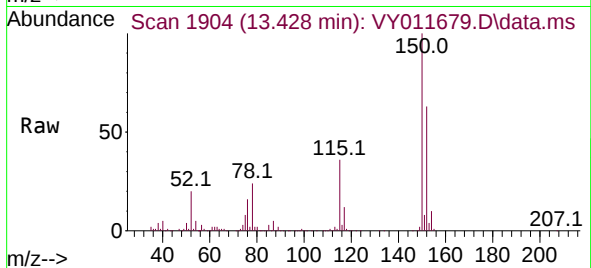
119 31.9 25.4 38.0



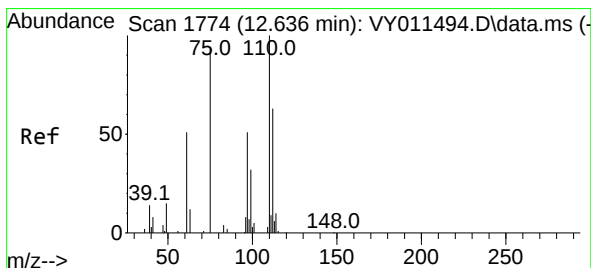
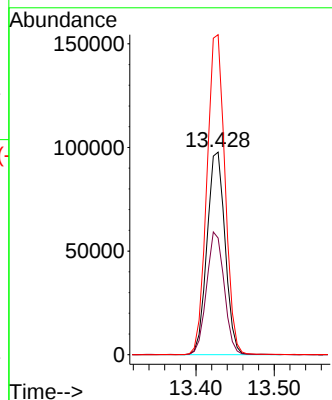
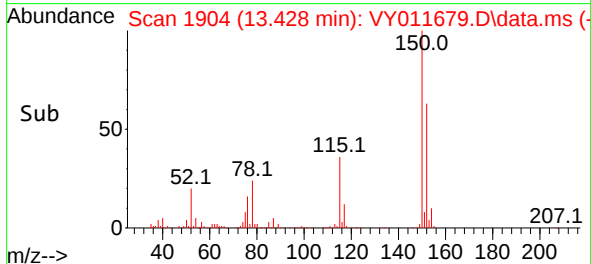


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011679.D
 Acq: 02 Dec 2022 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :

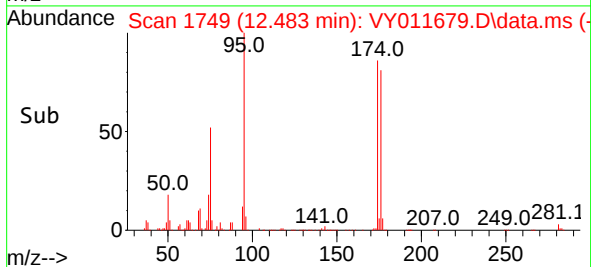
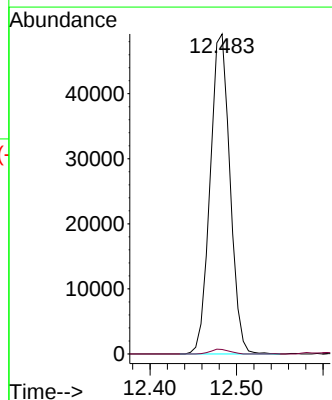
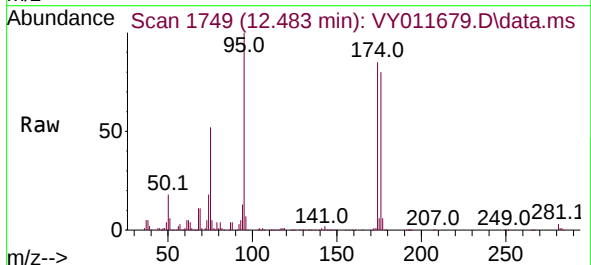


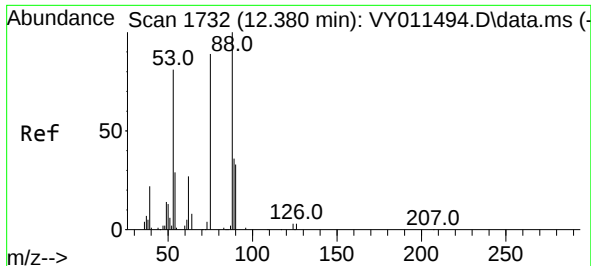
Tgt Ion:152 Resp: 156186
 Ion Ratio Lower Upper
 152 100
 115 58.9 28.2 84.7
 150 158.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.501 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011679.D
 Acq: 02 Dec 2022 13:38

Tgt Ion: 75 Resp: 78216
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

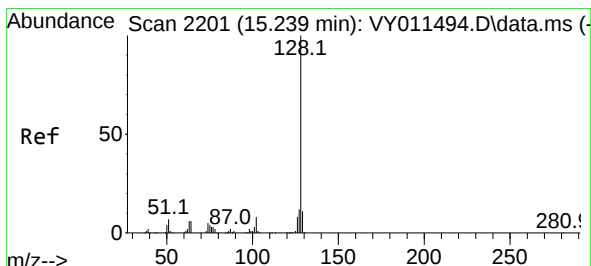
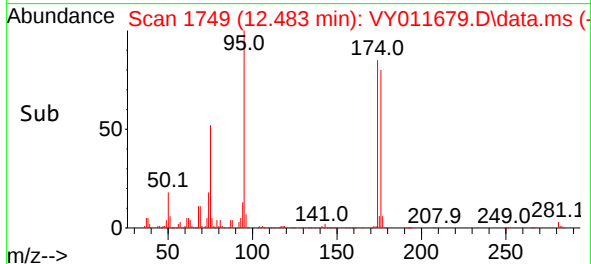
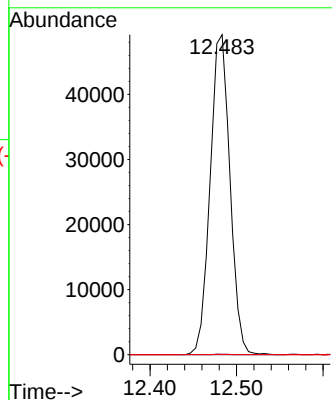
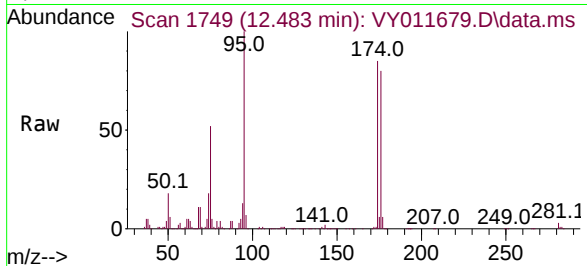




#81
trans-1,4-Dichloro-2-butene
Concen: 101.853 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 78216
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.198 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011679.D
Acq: 02 Dec 2022 13:38

Tgt Ion:128 Resp: 1071
Ion Ratio Lower Upper
128 100
127 9.6 11.0 16.4#
129 4.1 8.4 12.6#

