

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011691.D
 Acq On : 05 Dec 2022 13:08
 Operator : KP/MD
 Sample : N5870-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-1

Quant Time: Dec 06 00:36:07 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)

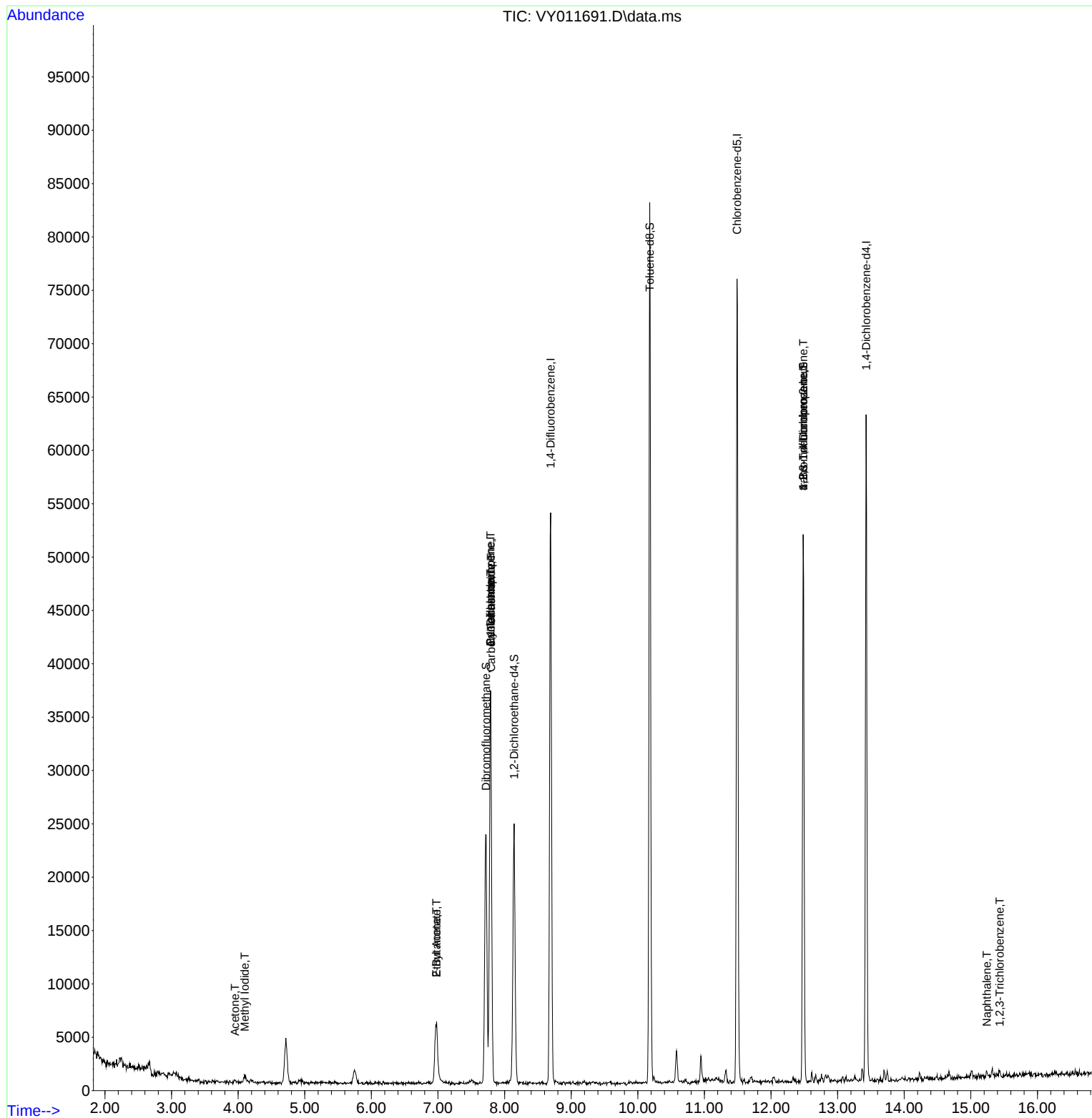
Internal Standards						
1) Pentafluorobenzene	7.789	168	28311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	46376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18439	64.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.280%	
35) Dibromofluoromethane	7.722	113	16386	57.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.800%	
50) Toluene-d8	10.179	98	54110	52.158	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	12.483	95	15609	40.694	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	340	Below Cal		94
5) Bromomethane	2.668	94	488	Below Cal	#	75
10) Methyl Iodide	4.100	142	1070	3.381 ug/l	#	94
11) Tert butyl alcohol	4.954	59	168	Below Cal	#	77
16) Acetone	3.954	43	400	4.284 ug/l		99
18) Methyl Acetate	4.478	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	3051	Below Cal	#	78
25) 2-Butanone	6.978	43	289	2.355 ug/l	#	54
31) Cyclohexane	7.789	56	662	1.389 ug/l	#	13
36) 1,1-Dichloropropene	7.789	75	2358	5.284 ug/l	#	46
37) Ethyl Acetate	6.978	43	289	1.137 ug/l	#	1
38) Carbon Tetrachloride	7.795	117	2839	5.686 ug/l	#	11
76) 1,2,3-Trichloropropane	12.483	75	8080	46.463 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8080	101.769 ug/l	#	7
95) Naphthalene	15.239	128	651	5.066 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.434	180	284	1.214 ug/l	#	82

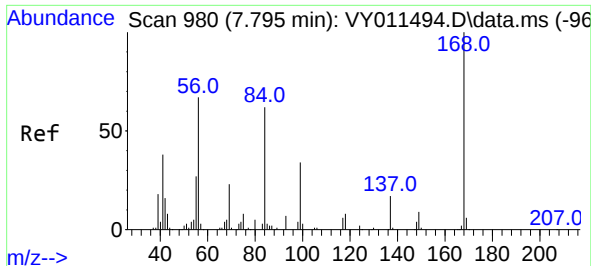
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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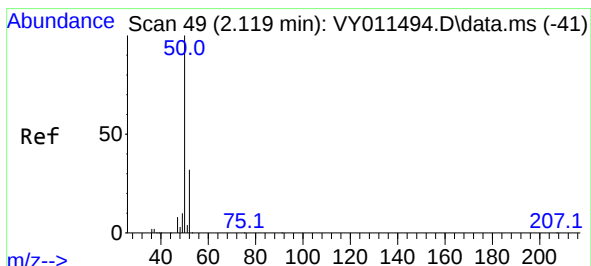
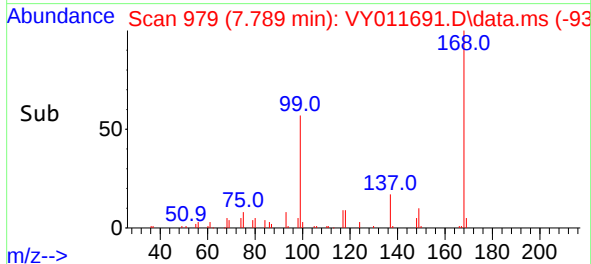
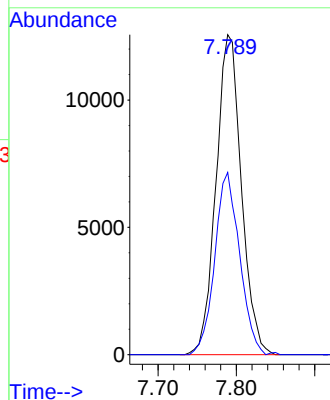
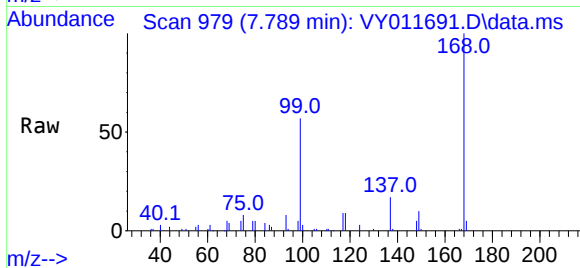




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

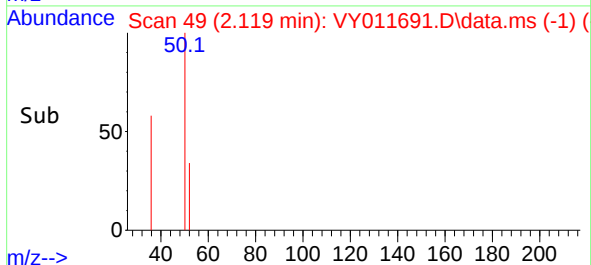
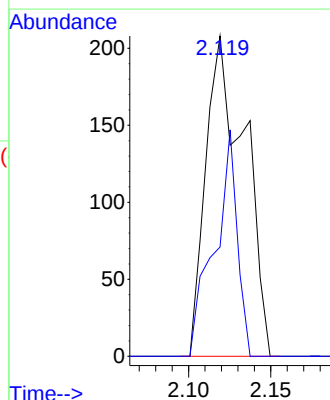
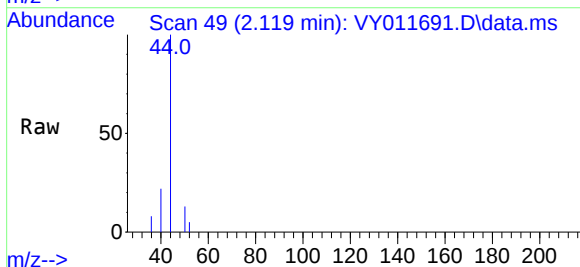
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

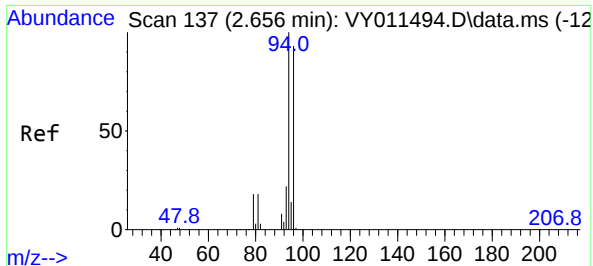
Tgt Ion:168 Resp: 28311
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 50 Resp: 340
Ion Ratio Lower Upper
50 100
52 34.1 24.6 37.0

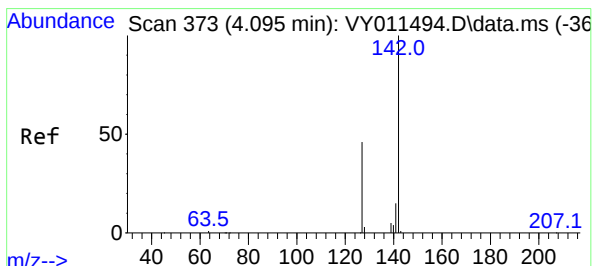
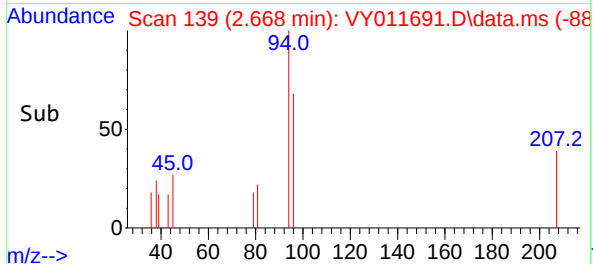
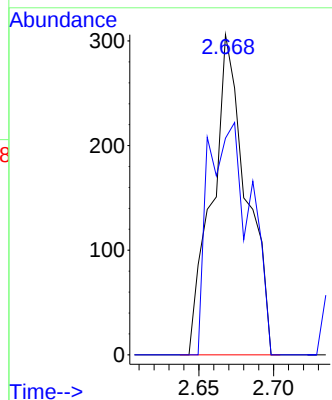
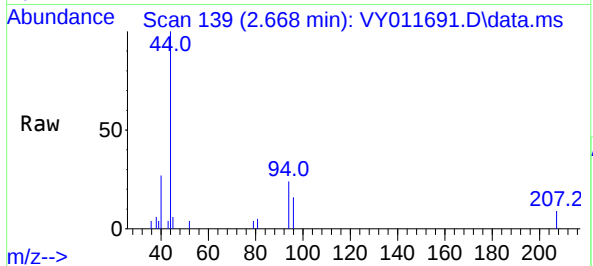




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

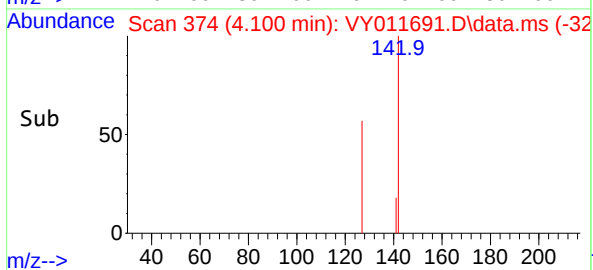
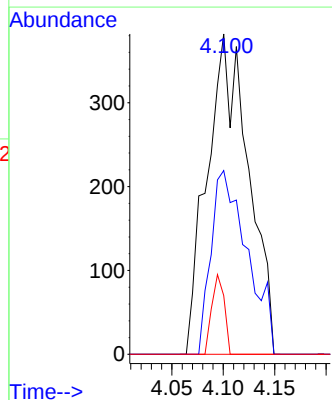
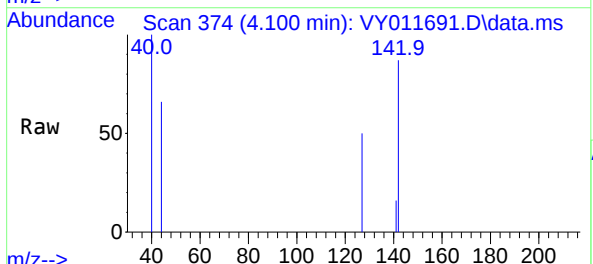
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

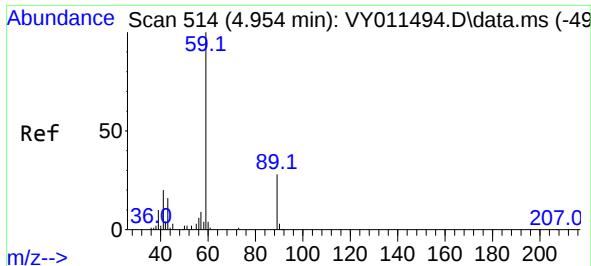
Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 67.6 73.5 110.3#



#10
Methyl Iodide
Concen: 3.381 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.005 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 142 Resp: 1070
Ion Ratio Lower Upper
142 100
127 50.1 41.5 62.3
141 7.5 11.9 17.9#

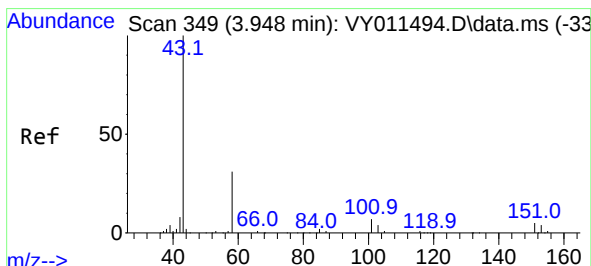
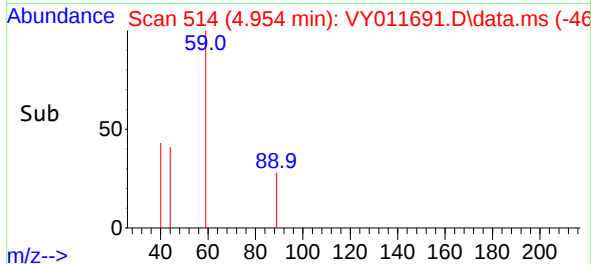
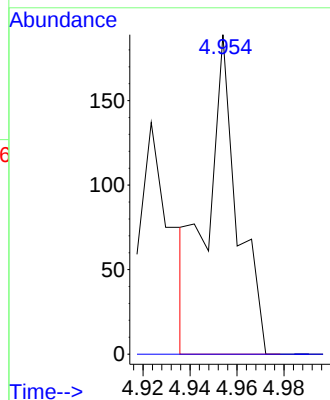
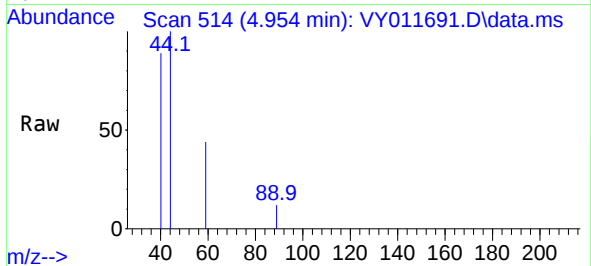




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

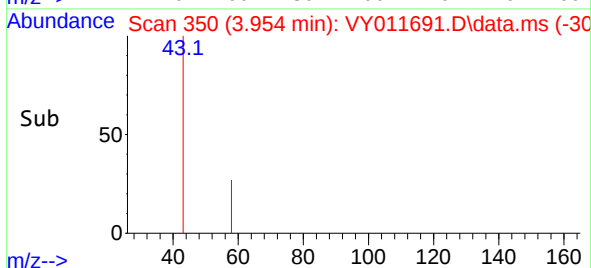
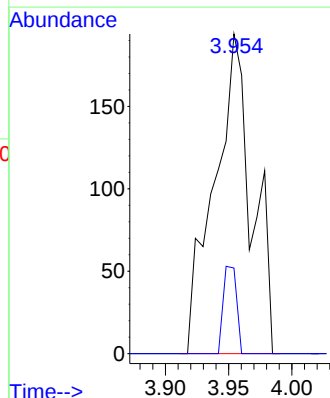
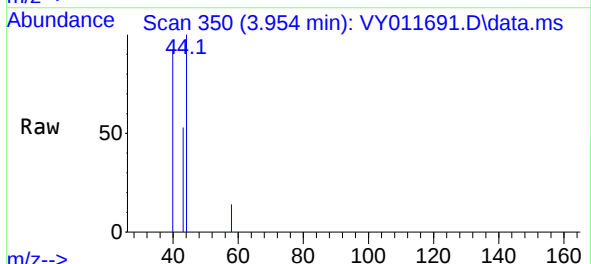
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

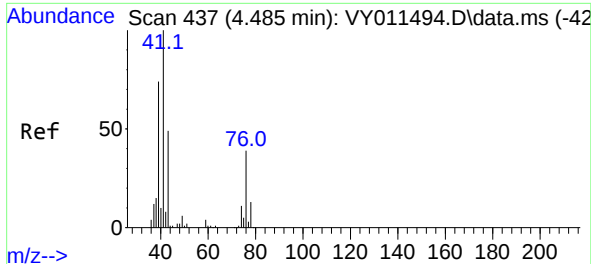
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 4.284 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 26.8 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. -0.007 min

Lab File: VY011691.D

Acq: 05 Dec 2022 13:08

Instrument :

MSVOA_Y

ClientSampleId :

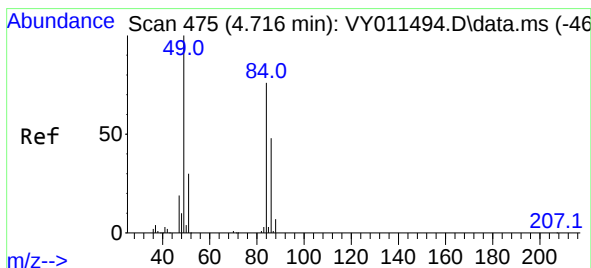
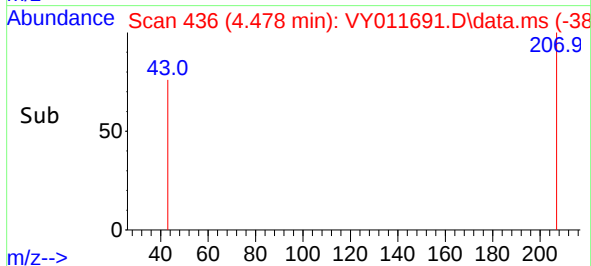
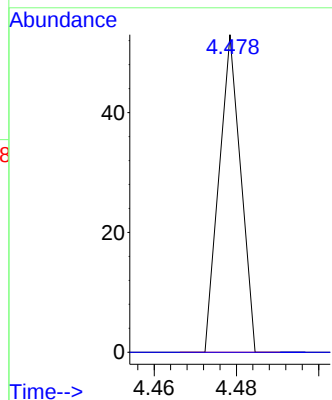
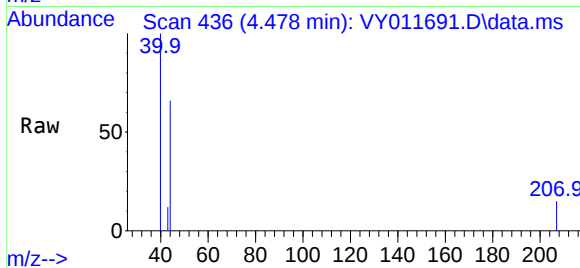
ML-1

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011691.D

Acq: 05 Dec 2022 13:08

Tgt Ion: 84 Resp: 3051

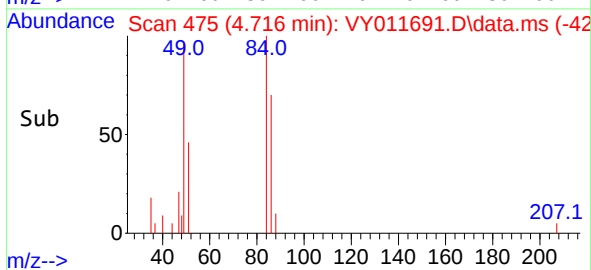
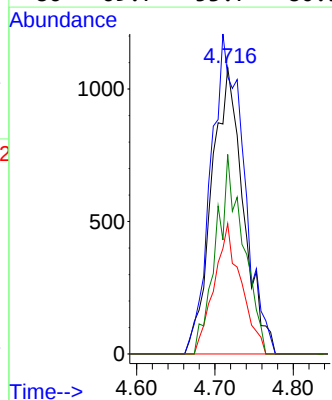
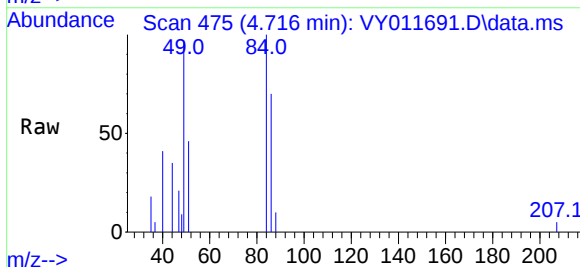
Ion Ratio Lower Upper

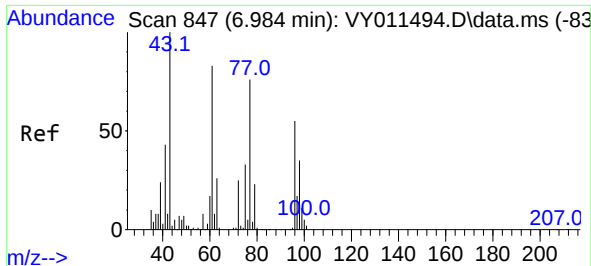
84 100

49 96.9 114.4 171.6#

51 45.5 35.3 52.9

86 69.7 53.7 80.5





#25

2-Butanone

Concen: 2.355 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011691.D

Acq: 05 Dec 2022 13:08

Instrument :

MSVOA_Y

ClientSampleId :

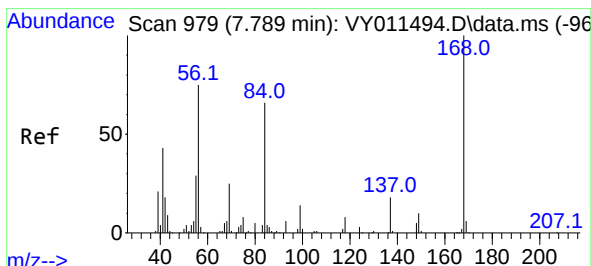
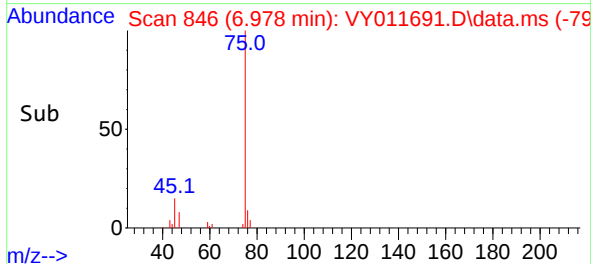
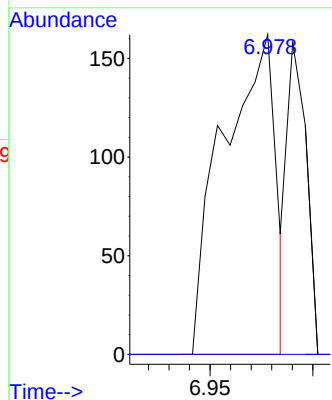
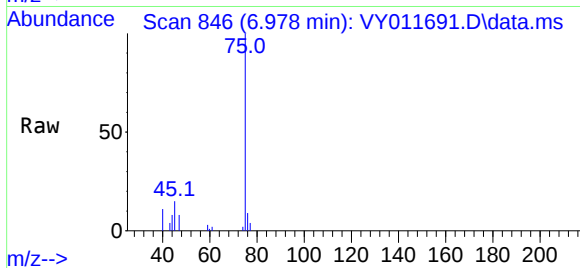
ML-1

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011691.D

Acq: 05 Dec 2022 13:08

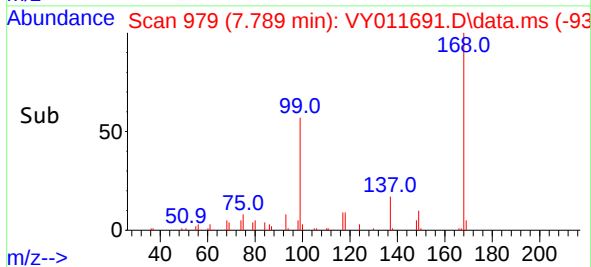
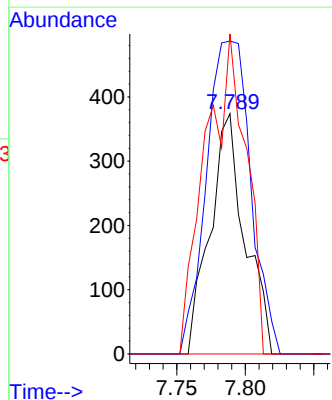
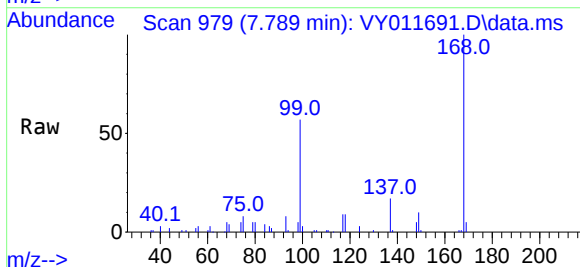
Tgt Ion: 56 Resp: 662

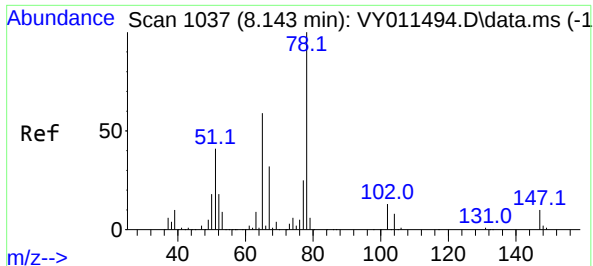
Ion Ratio Lower Upper

56 100

69 130.2 26.7 40.1#

84 133.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.143 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011691.D

Acq: 05 Dec 2022 13:08

Instrument :

MSVOA_Y

ClientSampleId :

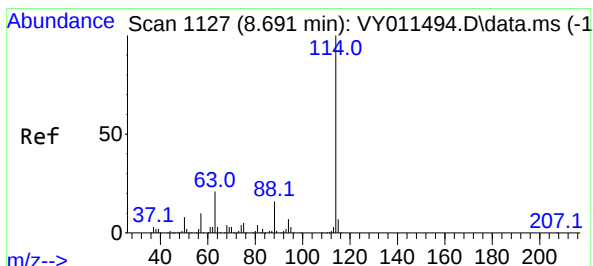
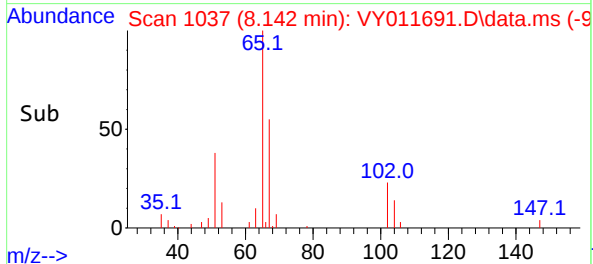
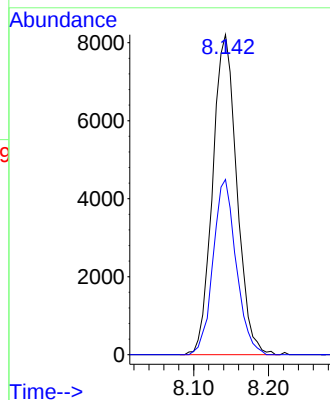
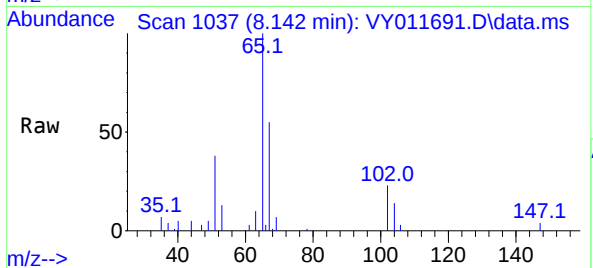
ML-1

Tgt Ion: 65 Resp: 18439

Ion Ratio Lower Upper

65 100

67 52.4 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: VY011691.D

Acq: 05 Dec 2022 13:08

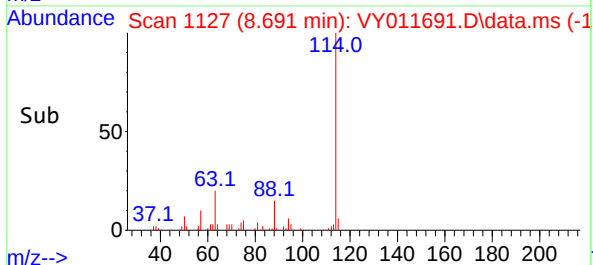
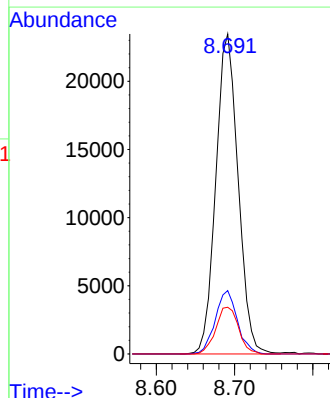
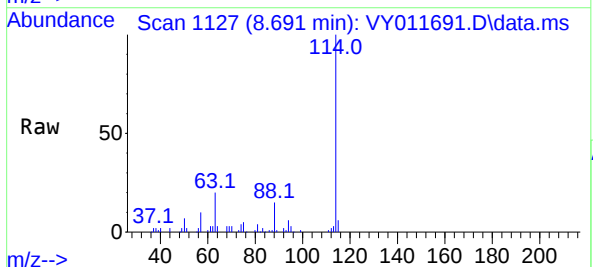
Tgt Ion: 114 Resp: 46376

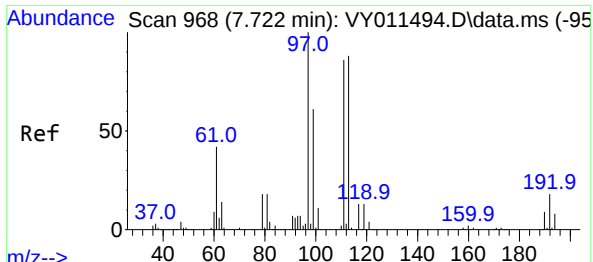
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

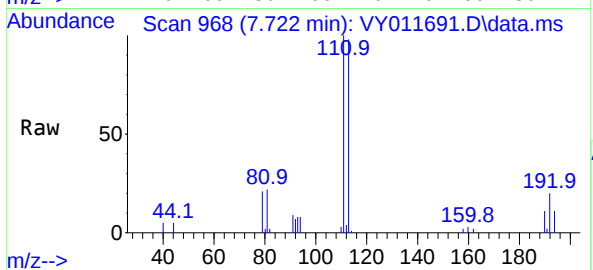
88 14.6 0.0 31.8





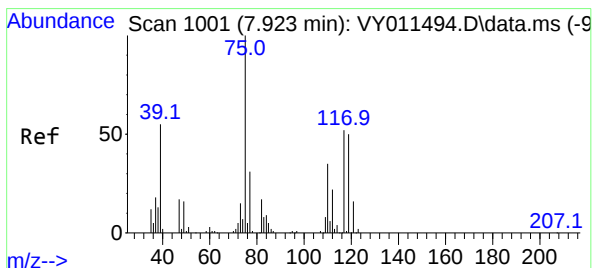
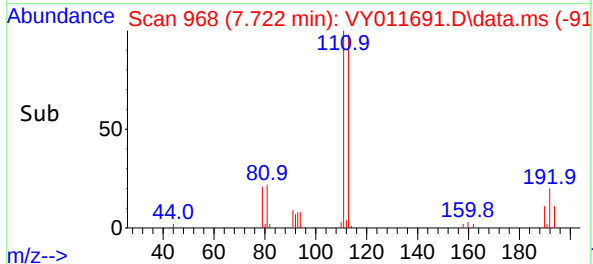
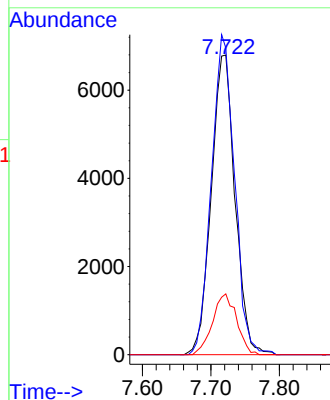
#35
Dibromofluoromethane
Concen: 57.397 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Instrument :
MSVOA_Y
ClientSampleId :
ML-1



Tgt Ion:113 Resp: 16386

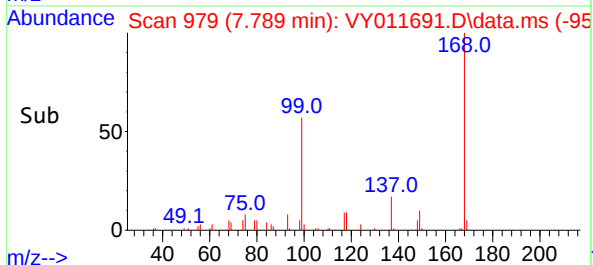
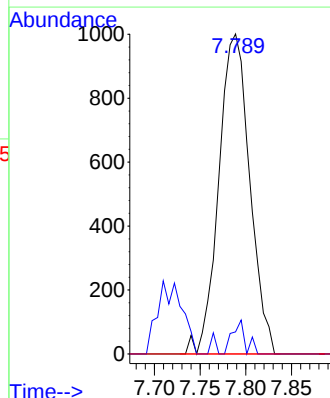
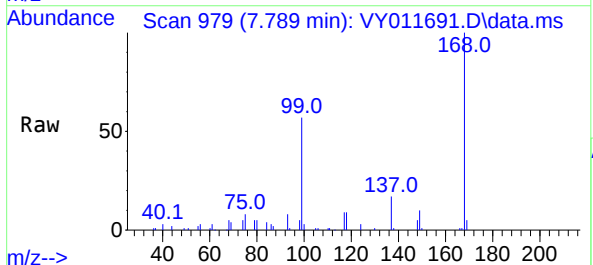
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	124.0
192	20.5	17.6	26.4

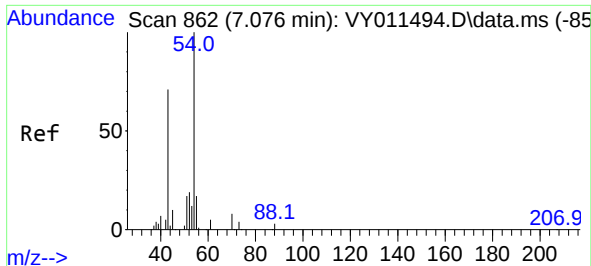


#36
1,1-Dichloropropene
Concen: 5.284 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 75 Resp: 2358

Ion	Ratio	Lower	Upper
75	100		
110	4.5	17.1	51.2#
77	0.0	24.4	36.6#

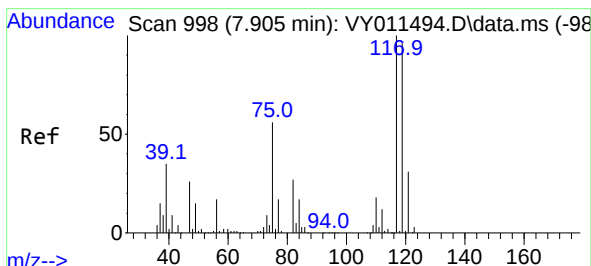
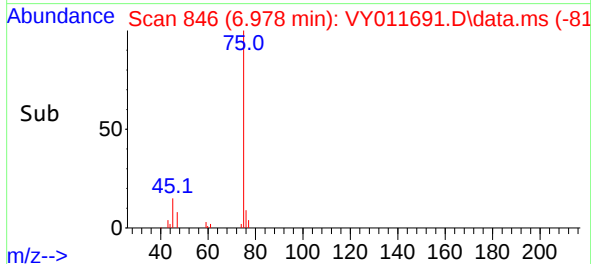
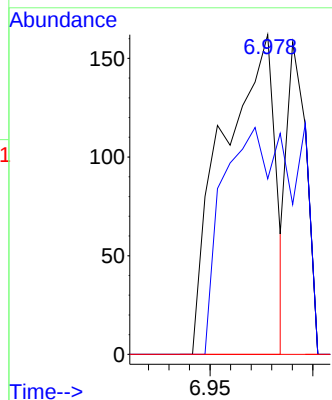
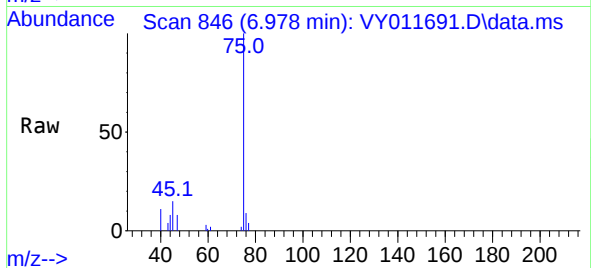




#37
Ethyl Acetate
Concen: 1.137 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

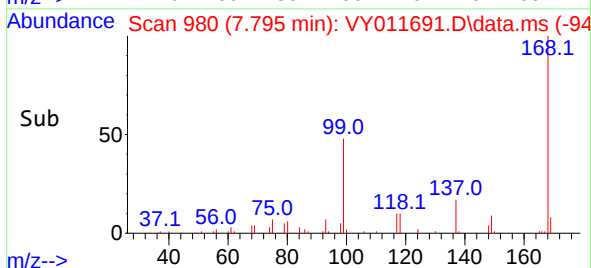
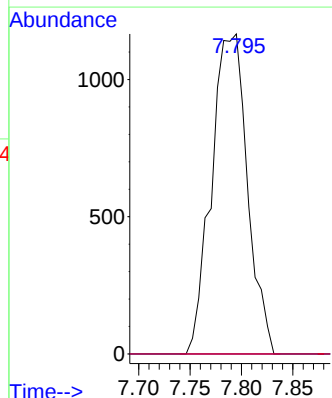
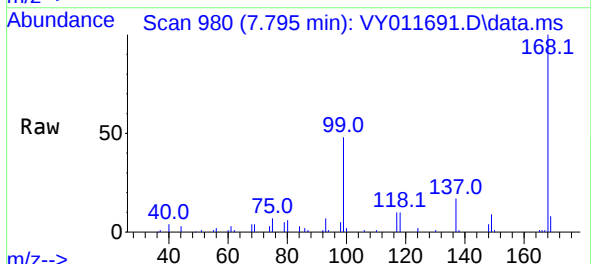
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

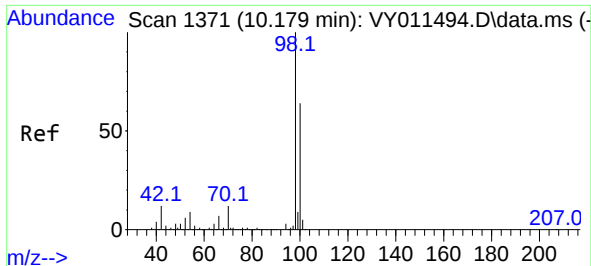
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
61 100.3 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 117 Resp: 2839
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

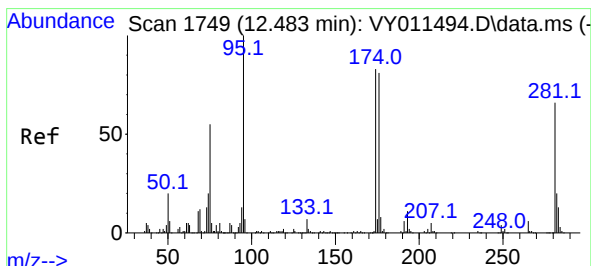
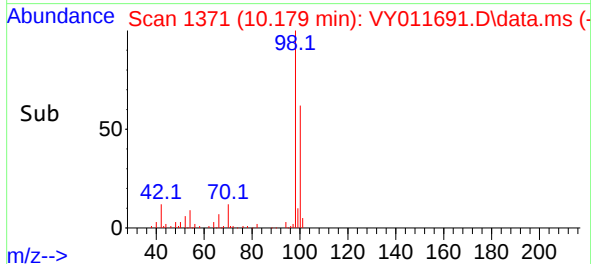
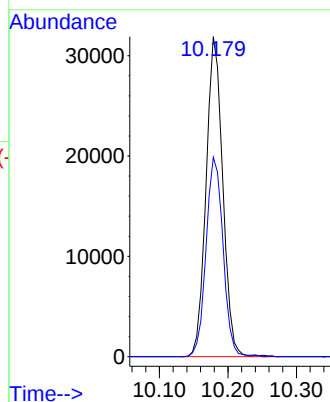
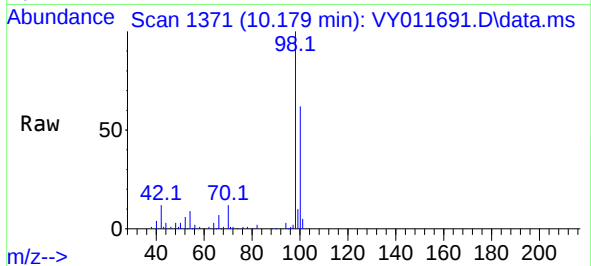




#50
Toluene-d8
Concen: 52.158 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

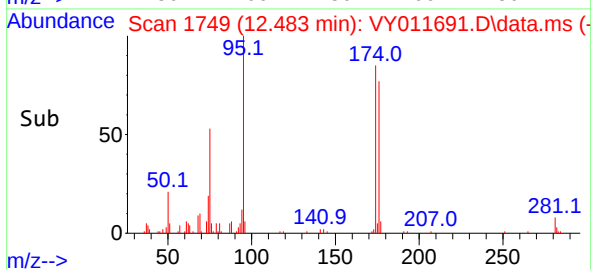
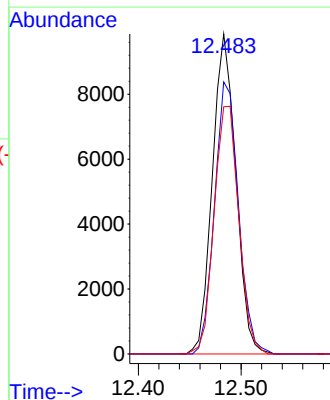
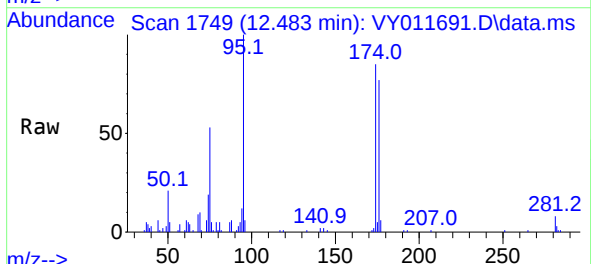
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

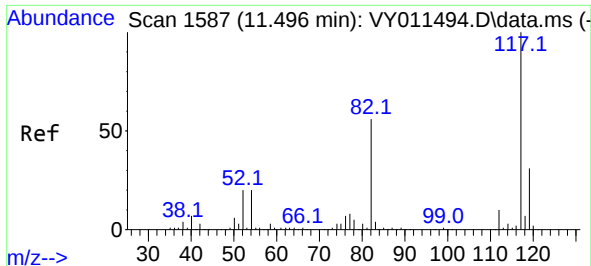
Tgt Ion: 98 Resp: 54110
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.694 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 95 Resp: 15609
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 81.7 0.0 175.8

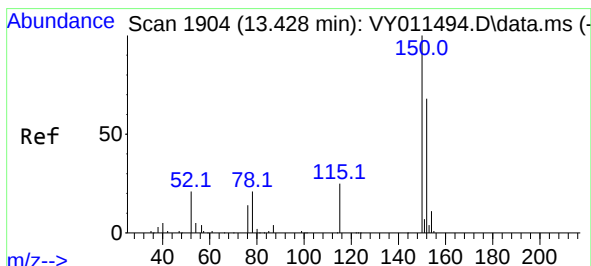
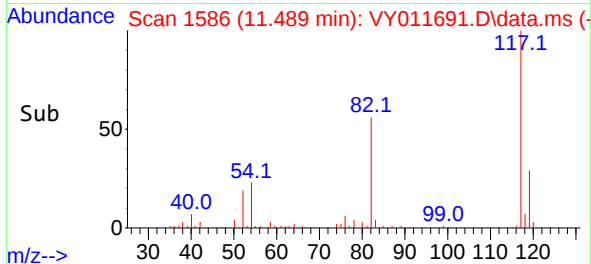
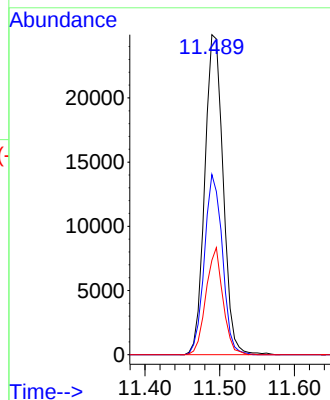
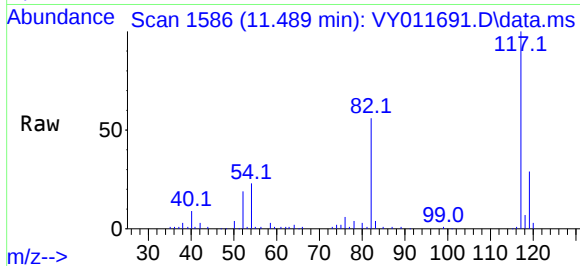




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

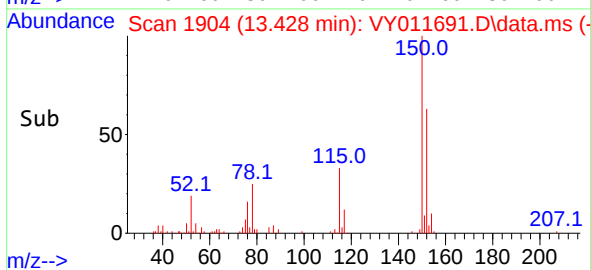
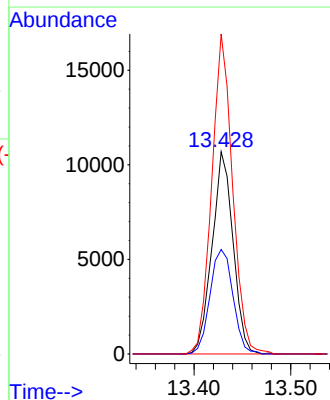
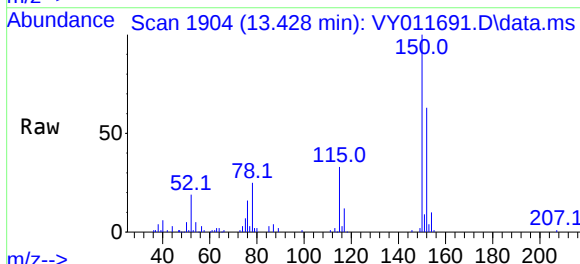
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

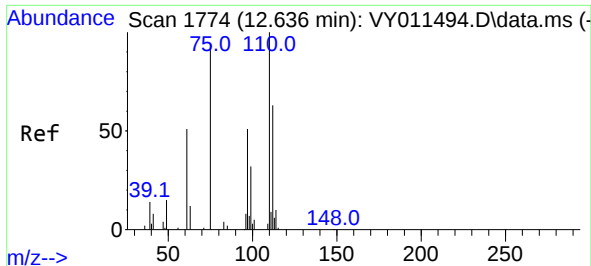
Tgt Ion:117 Resp: 42579
Ion Ratio Lower Upper
117 100
82 56.3 43.0 64.4
119 29.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion:152 Resp: 16148
Ion Ratio Lower Upper
152 100
115 56.5 28.2 84.7
150 156.6 0.0 347.6

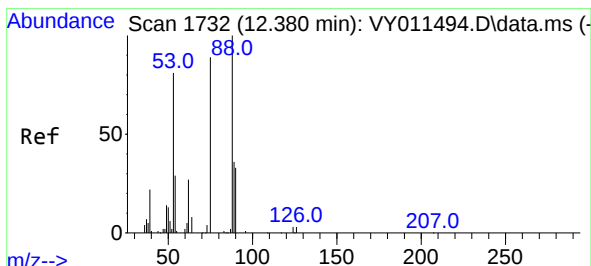
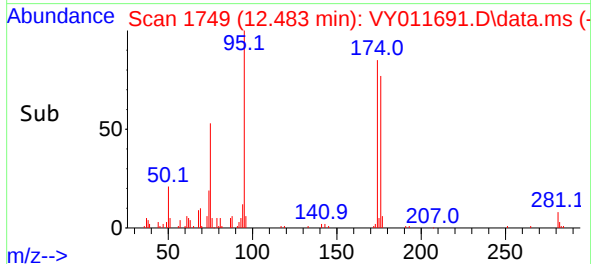
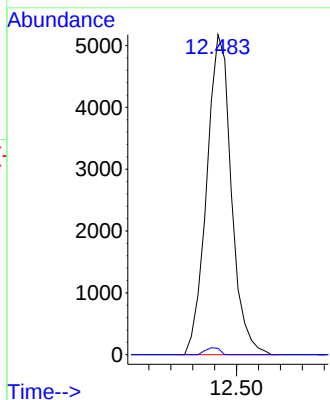
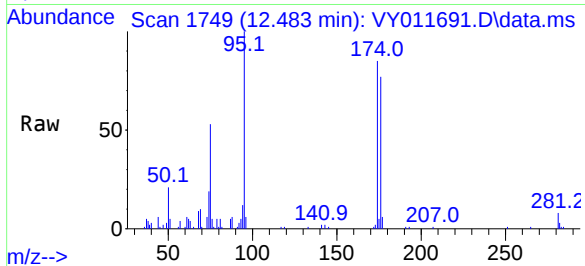




#76
1,2,3-Trichloropropane
Concen: 46.463 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

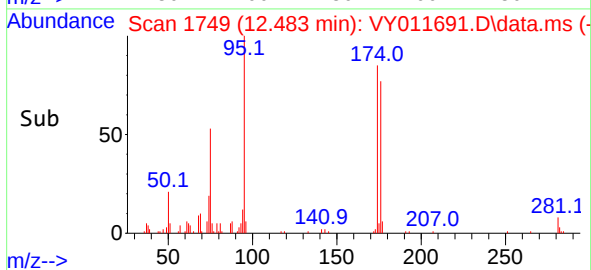
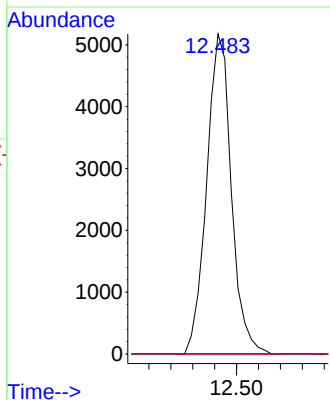
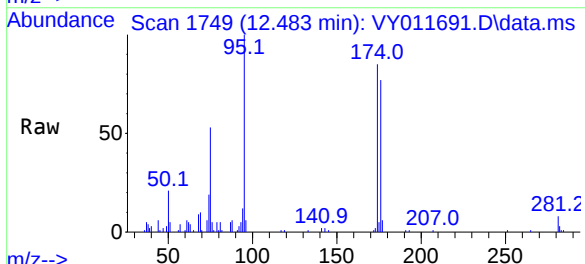
Instrument :
MSVOA_Y
ClientSampleId :
ML-1

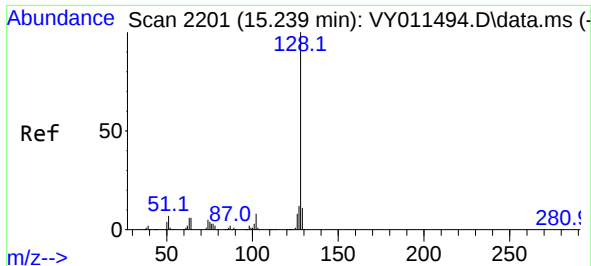
Tgt Ion: 75 Resp: 8080
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.769 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion: 75 Resp: 8080
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

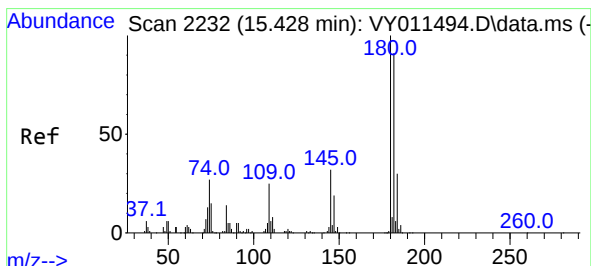
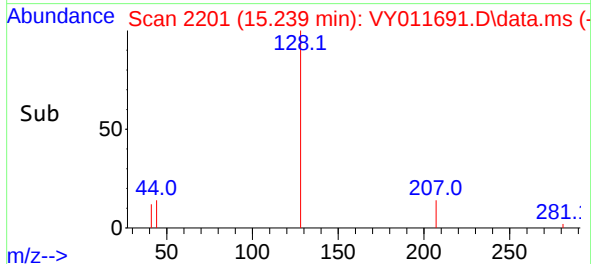
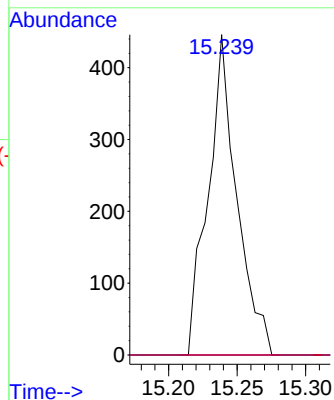
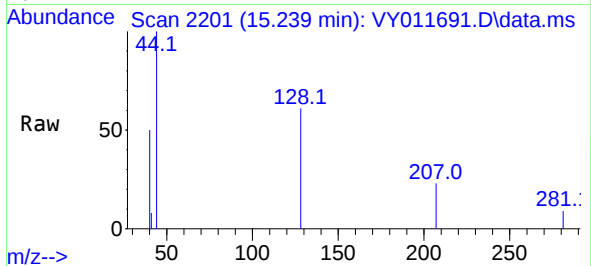




#95
Naphthalene
Concen: 5.066 ug/l
RT: 15.239 min Scan# 211
Delta R.T. -0.000 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Instrument :
MSVOA_Y
ClientSampleId :
ML-1

Tgt Ion:128 Resp: 651
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.214 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY011691.D
Acq: 05 Dec 2022 13:08

Tgt Ion:180 Resp: 284
Ion Ratio Lower Upper
180 100
182 100.7 47.3 141.9
145 0.0 15.3 45.9#

