

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011600.D
 Acq On : 28 Nov 2022 13:59
 Operator : KP/MD
 Sample : N5779-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-01-112322

Quant Time: Nov 29 00:25:40 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)

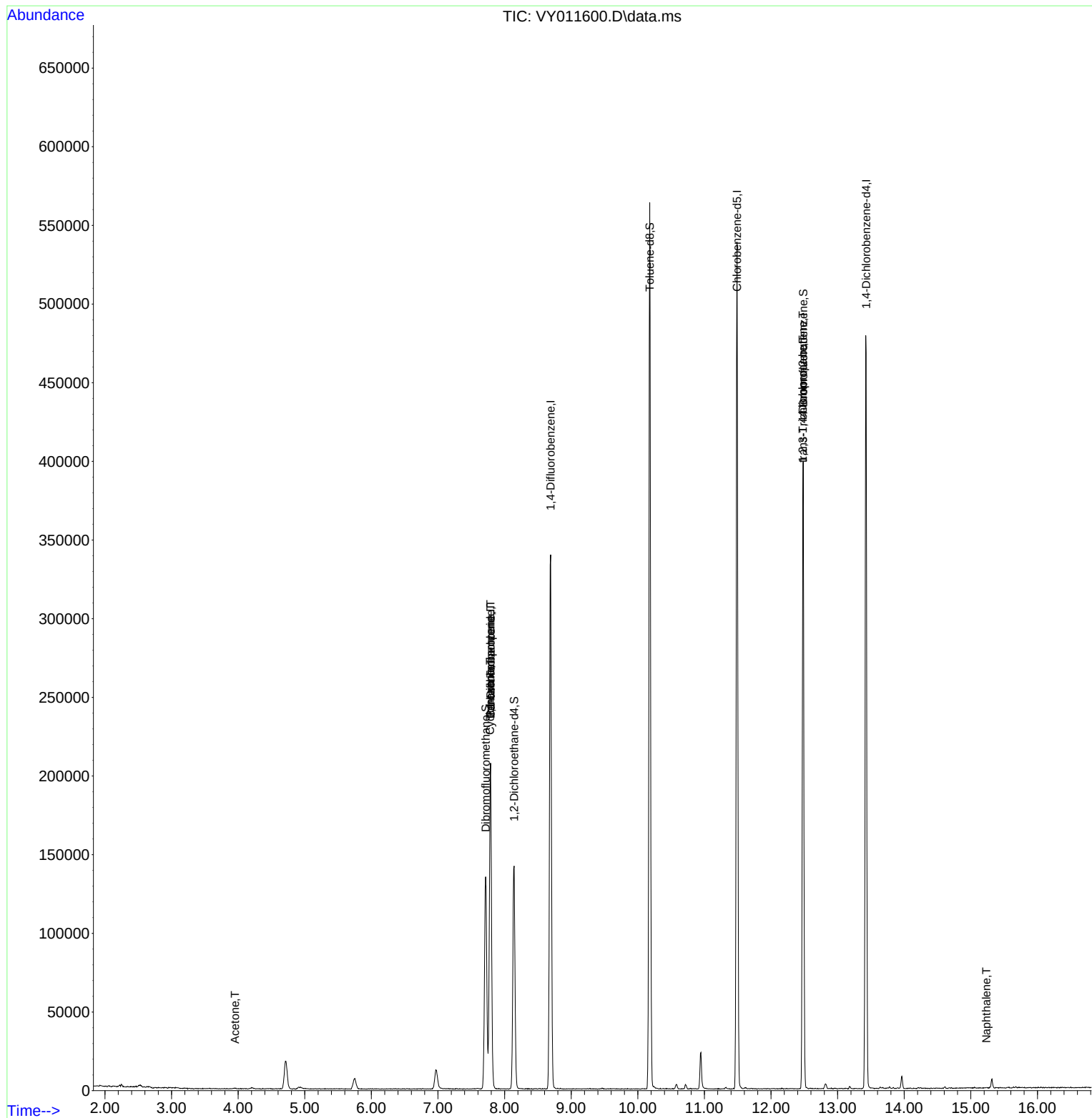
Internal Standards						
1) Pentafluorobenzene	7.789	168	154840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	111642	71.008	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.020%			
35) Dibromofluoromethane	7.716	113	96397	54.334	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.660%			
50) Toluene-d8	10.179	98	353725	54.866	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.740%			
62) 4-Bromofluorobenzene	12.483	95	116554	48.896	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.800%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	221	Below Cal	#	44
5) Bromomethane	2.662	94	217	Below Cal		83
11) Tert butyl alcohol	4.930	59	905	Below Cal	#	77
16) Acetone	3.954	43	636	1.245	ug/l	99
18) Methyl Acetate	4.473	43	279	Below Cal	#	56
20) Methylene Chloride	4.710	84	13194	Below Cal	#	84
31) Cyclohexane	7.783	56	3338	1.281	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12278	4.427	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15861	5.112	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	61682	45.851	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61682	100.428	ug/l #	7
95) Naphthalene	15.233	128	335	4.090	ug/l #	69

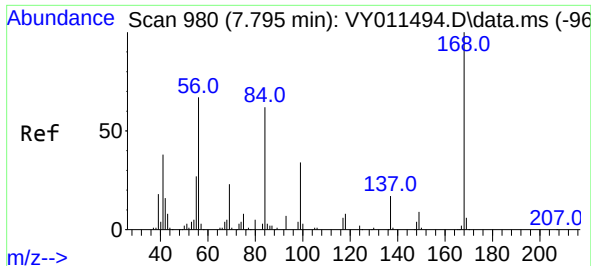
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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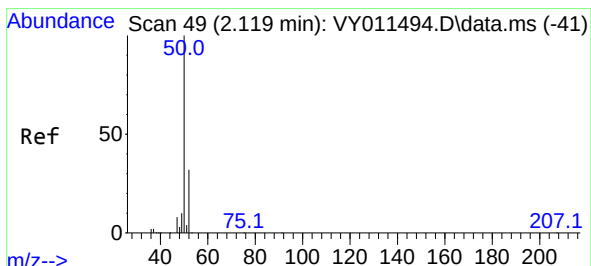
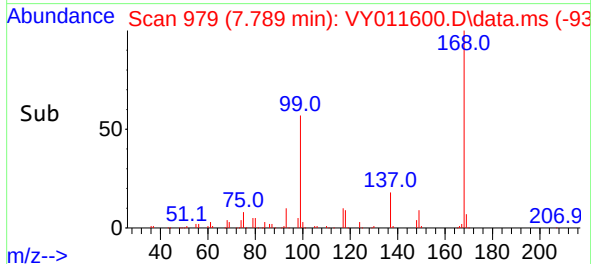
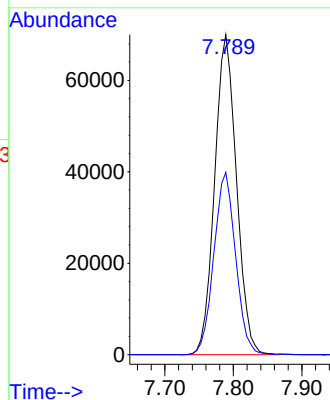
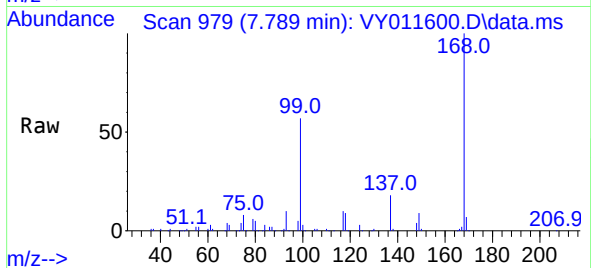




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

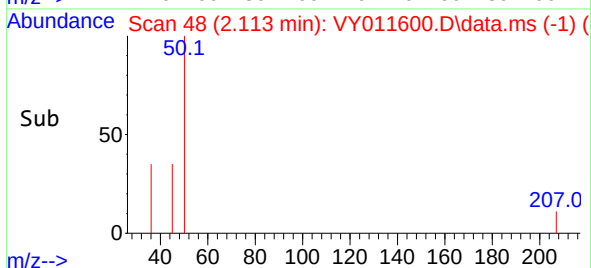
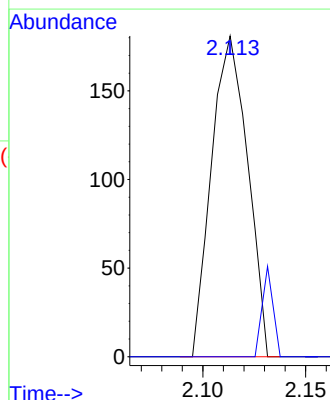
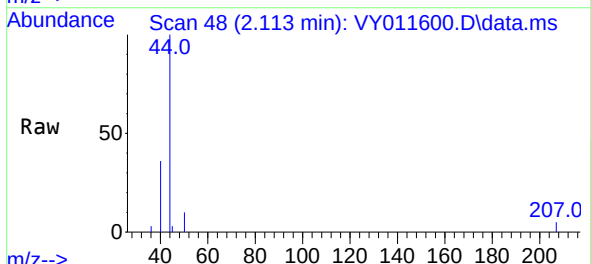
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

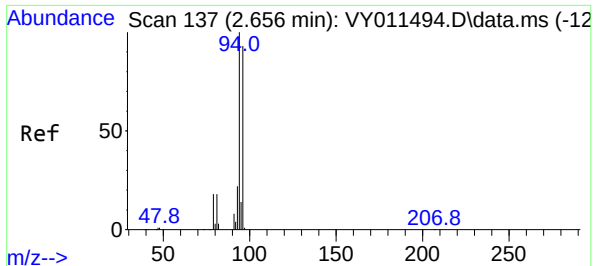
Tgt Ion:168 Resp: 154840
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

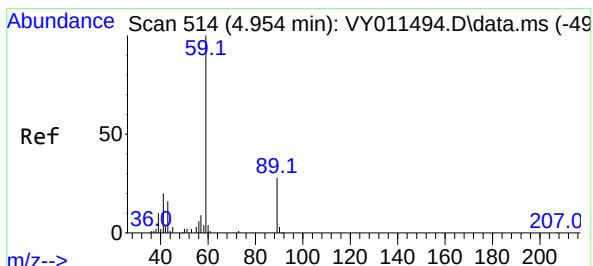
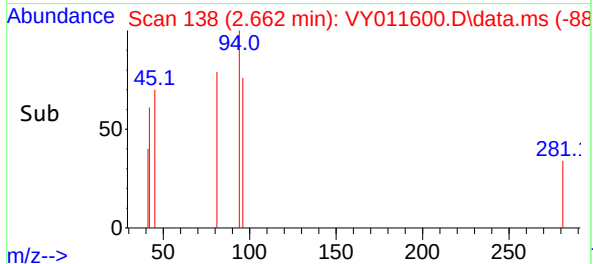
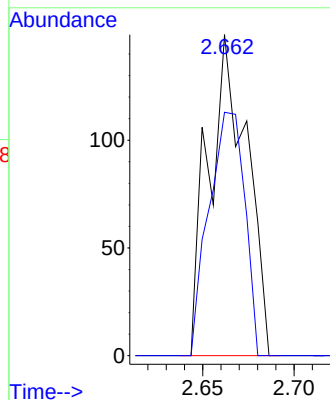
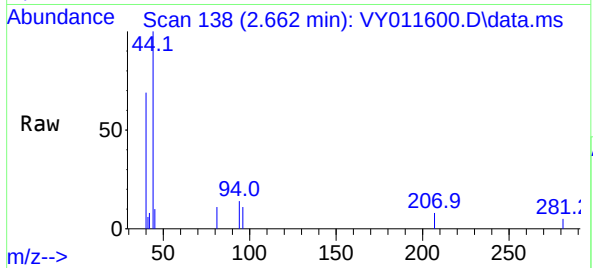




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

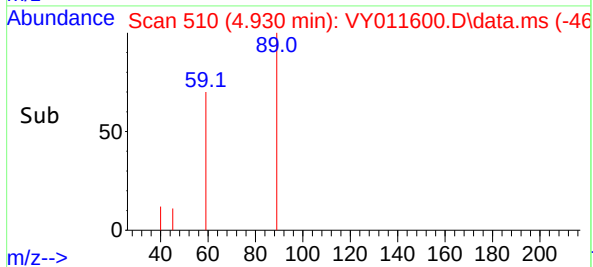
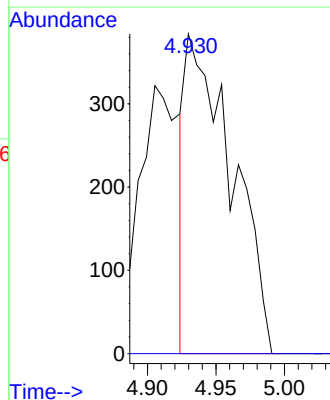
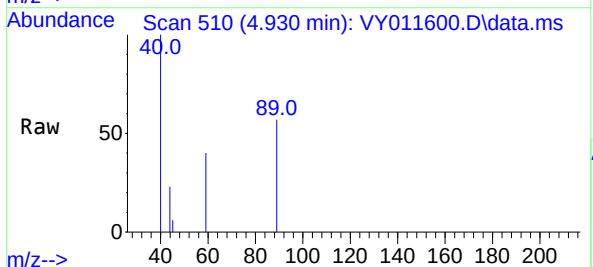
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

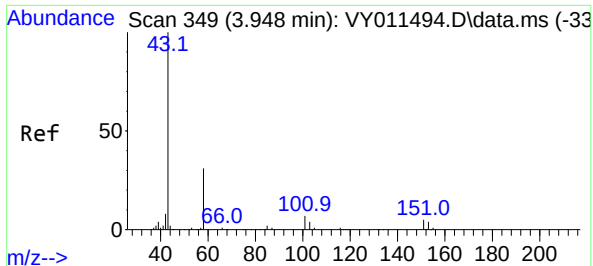
Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 75.8 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

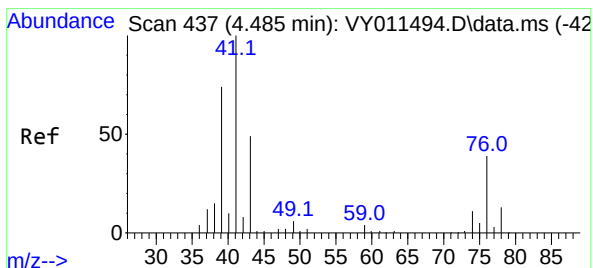
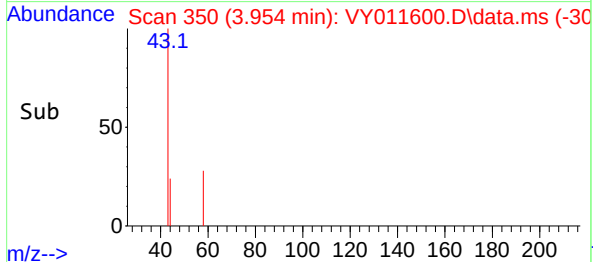
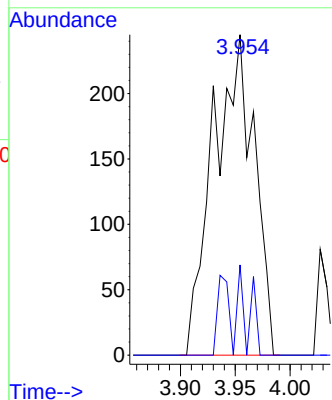
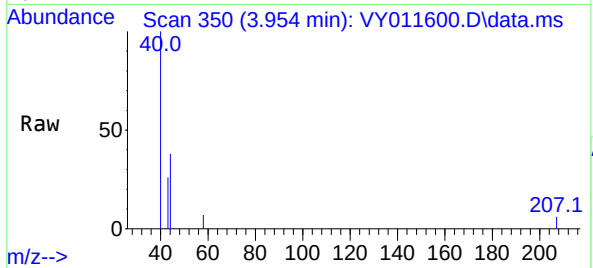




#16
Acetone
Concen: 1.245 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

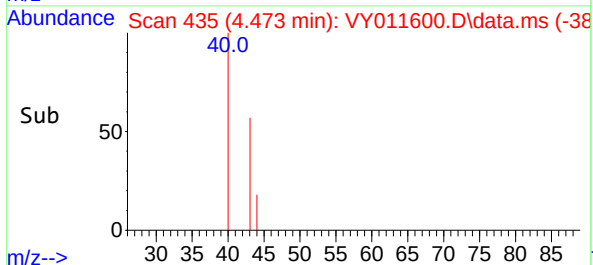
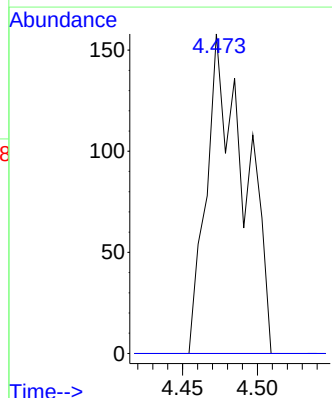
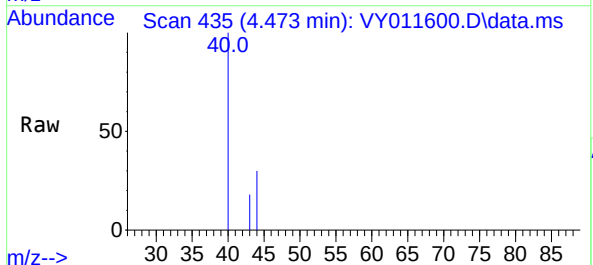
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

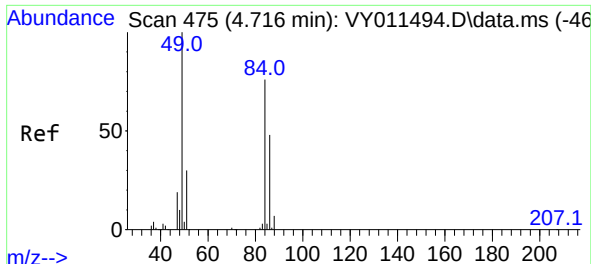
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 28.2 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.012 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



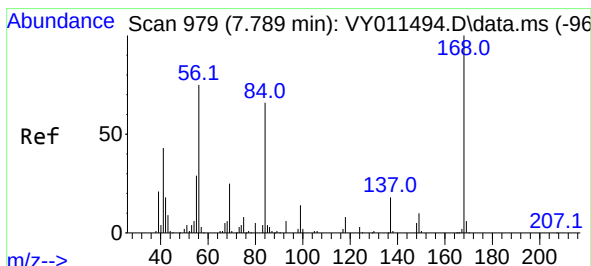
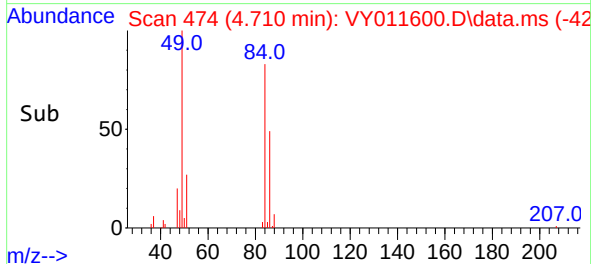
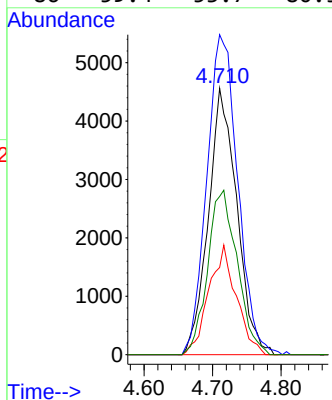
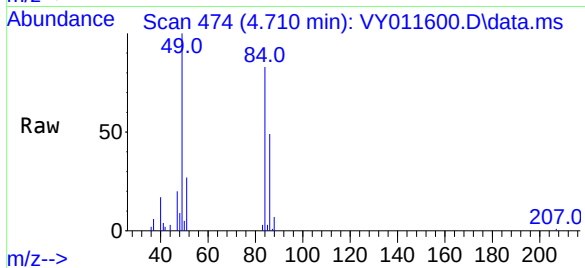


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

Tgt Ion: 84 Resp: 13194

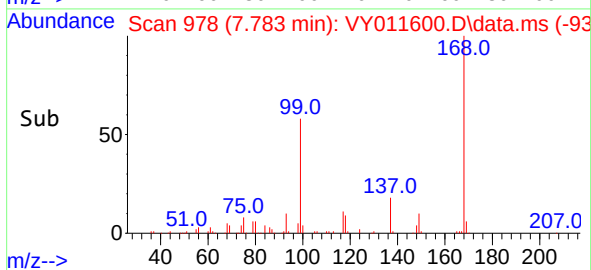
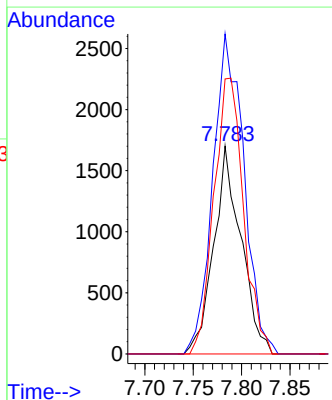
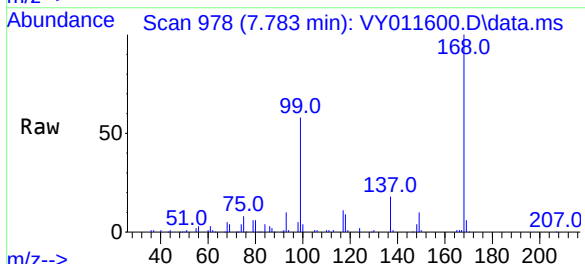
Ion	Ratio	Lower	Upper
84	100		
49	120.1	114.4	171.6
51	32.8	35.3	52.9#
86	59.4	53.7	80.5

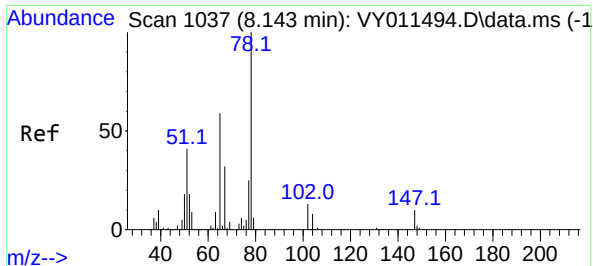


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 56 Resp: 3338

Ion	Ratio	Lower	Upper
56	100		
69	154.0	26.7	40.1#
84	132.3	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 71.008 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011600.D

Acq: 28 Nov 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

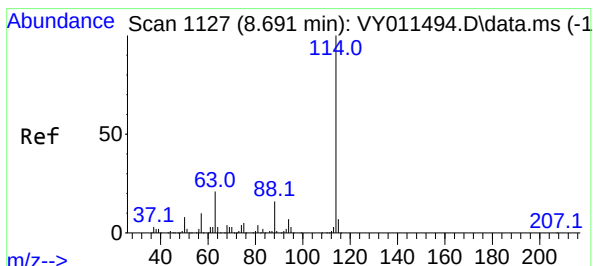
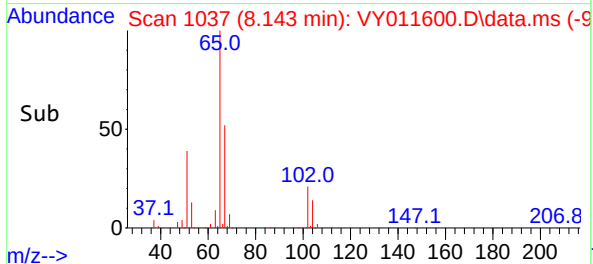
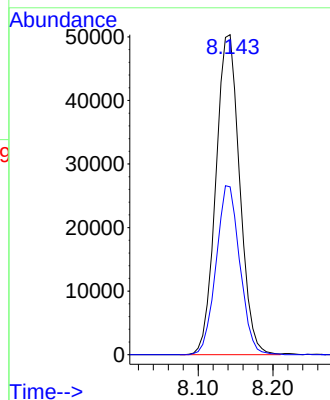
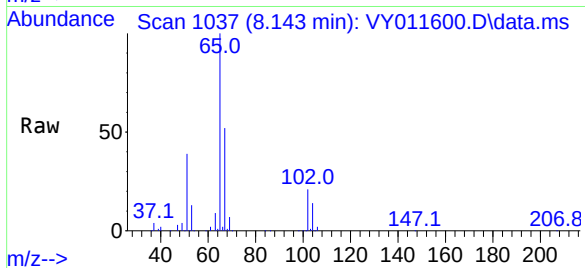
CL-01-112322

Tgt Ion: 65 Resp: 111642

Ion Ratio Lower Upper

65 100

67 52.6 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: VY011600.D

Acq: 28 Nov 2022 13:59

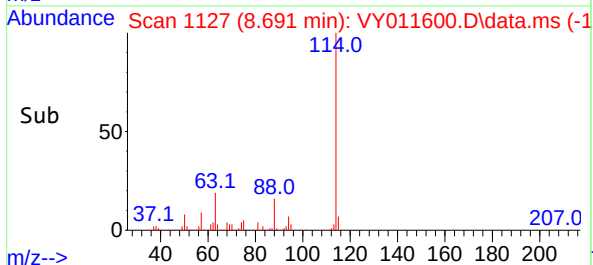
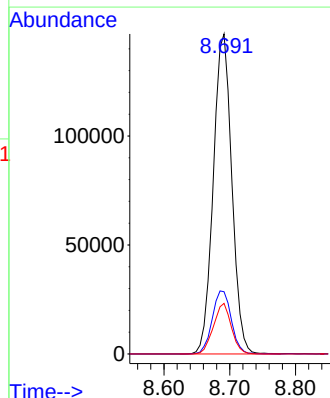
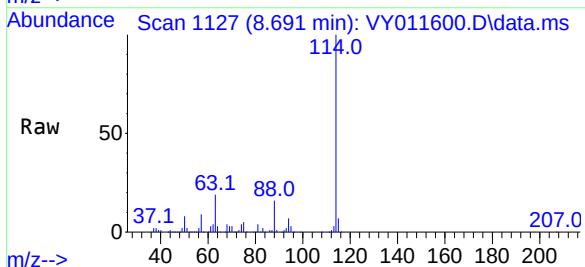
Tgt Ion: 114 Resp: 288202

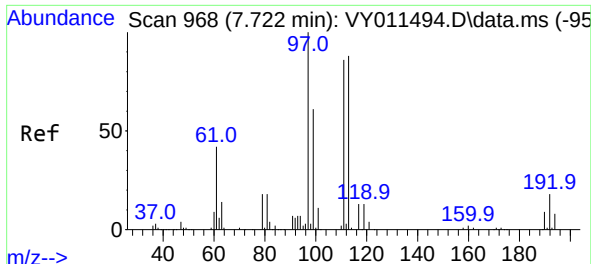
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.8 0.0 31.8

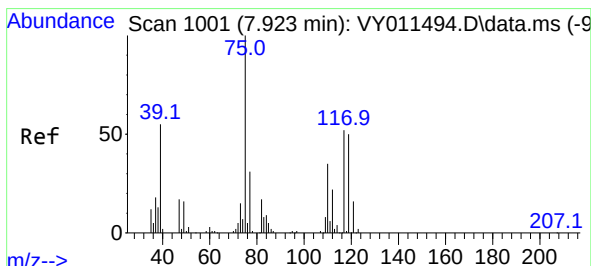
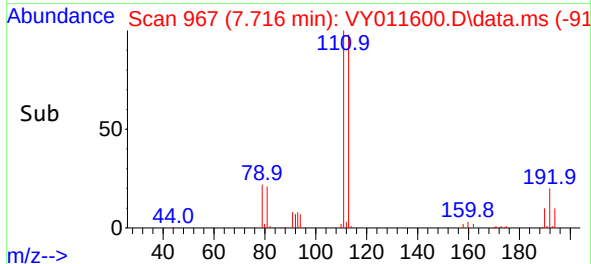
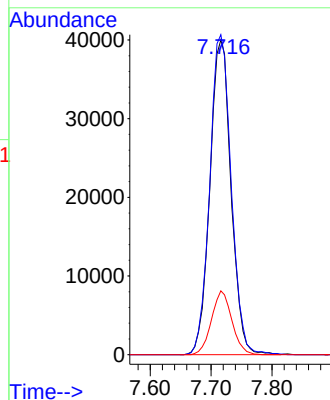
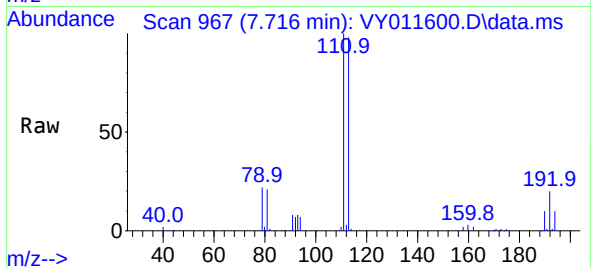




#35
Dibromofluoromethane
Concen: 54.334 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

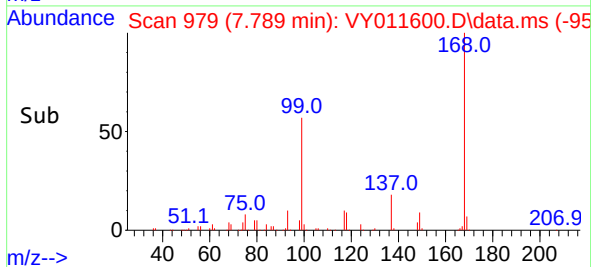
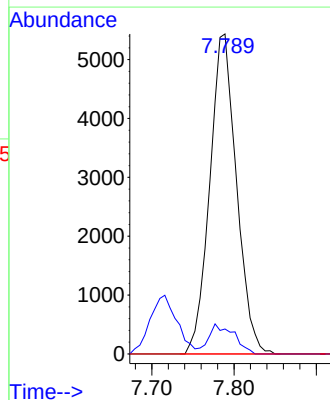
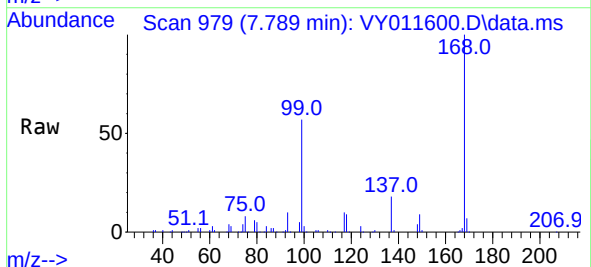
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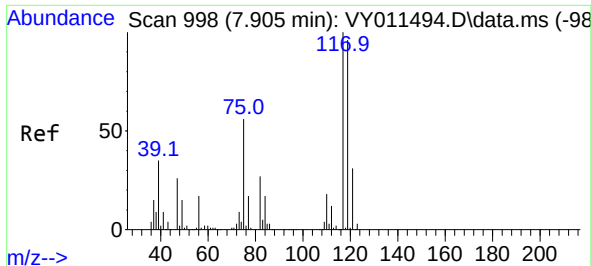
Tgt Ion:113 Resp: 96397
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 75 Resp: 12278
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

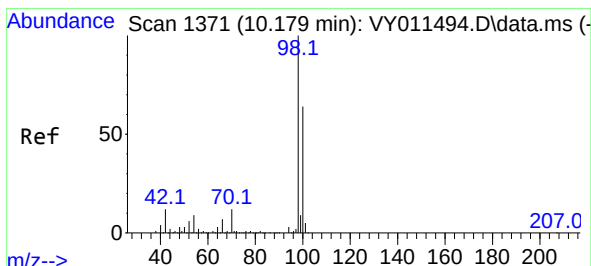
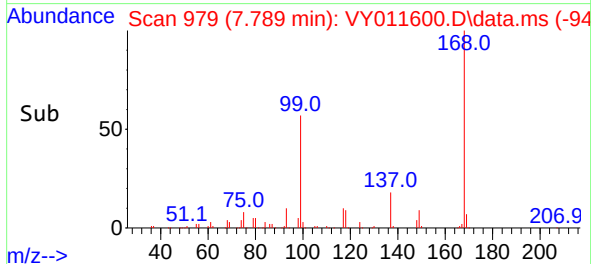
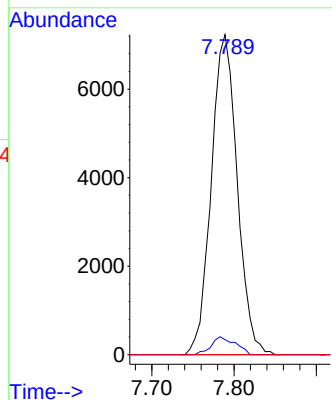
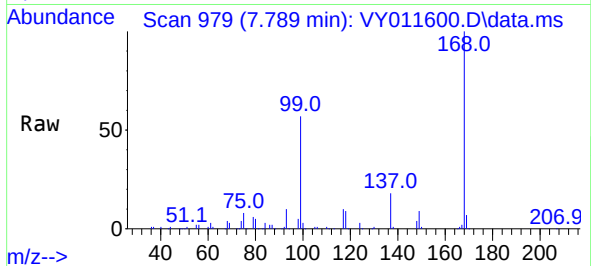




#38
Carbon Tetrachloride
Concen: 5.112 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

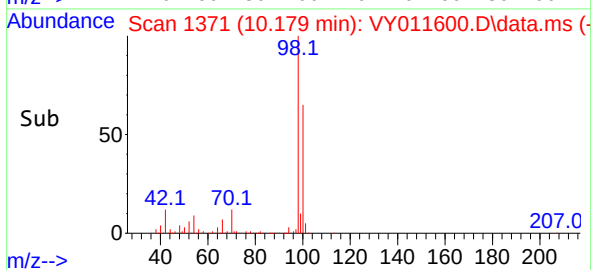
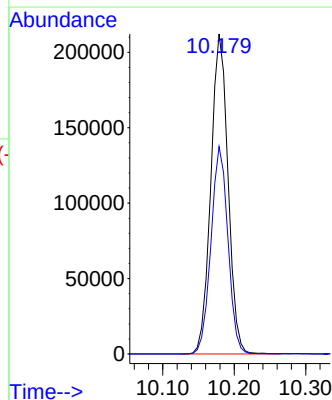
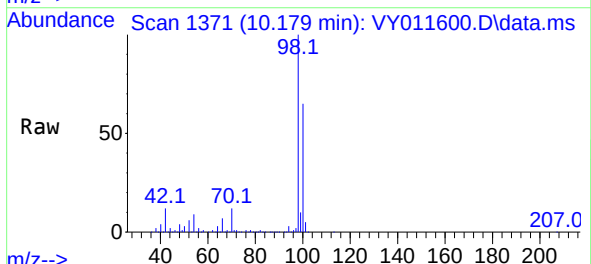
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

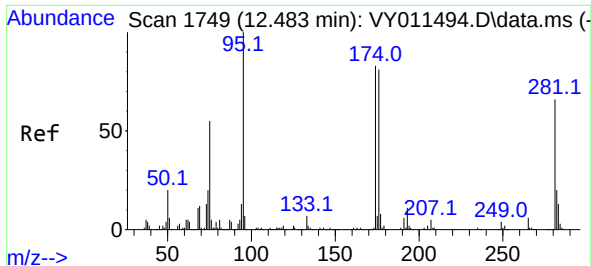
Tgt Ion:117 Resp: 15861
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.866 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 98 Resp: 353725
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 48.896 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011600.D

Acq: 28 Nov 2022 13:59

Instrument :

MSVOA_Y

ClientSampleId :

CL-01-112322

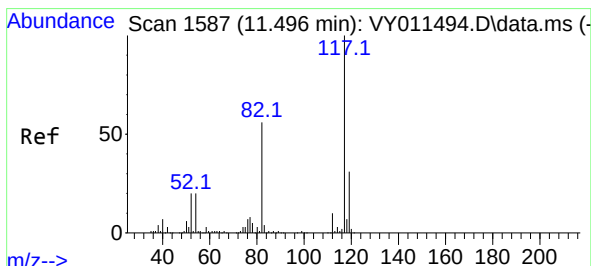
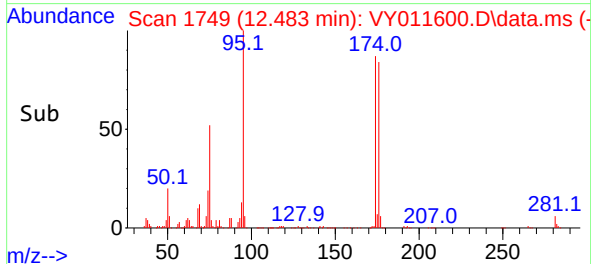
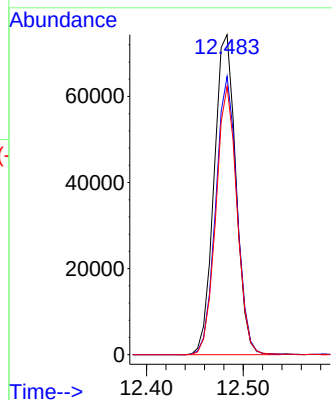
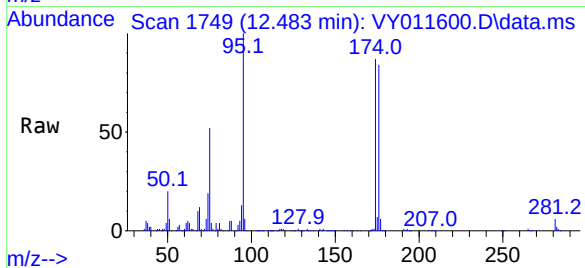
Tgt Ion: 95 Resp: 116554

Ion Ratio Lower Upper

95 100

174 84.6 0.0 177.0

176 80.6 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: VY011600.D

Acq: 28 Nov 2022 13:59

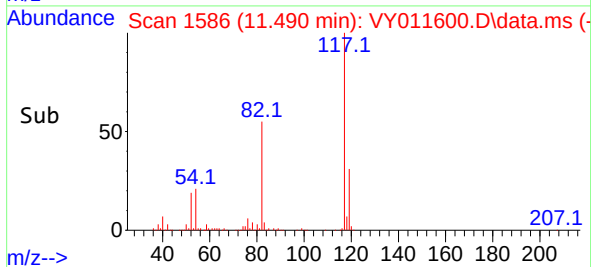
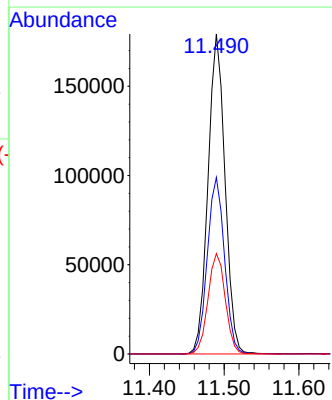
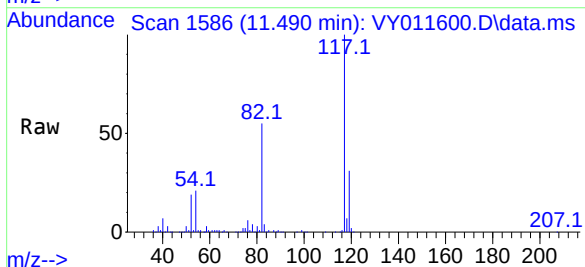
Tgt Ion: 117 Resp: 282708

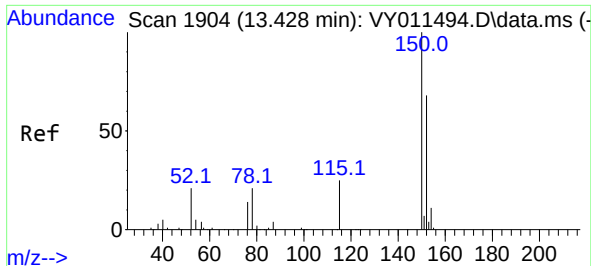
Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.4

119 31.4 25.4 38.0

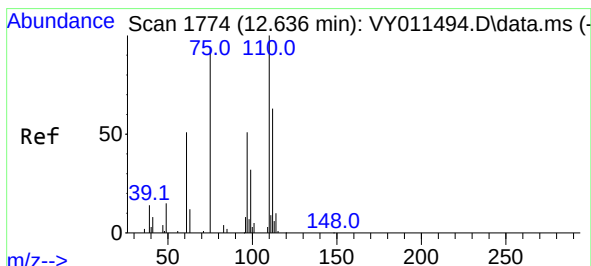
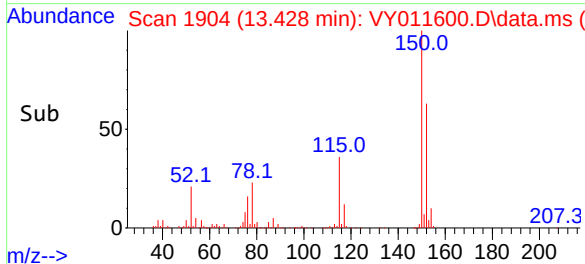
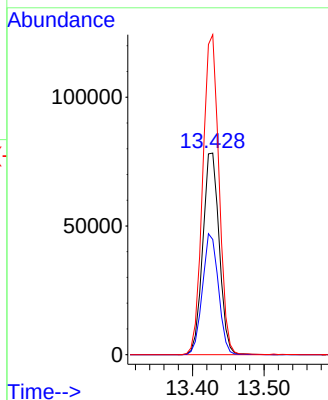
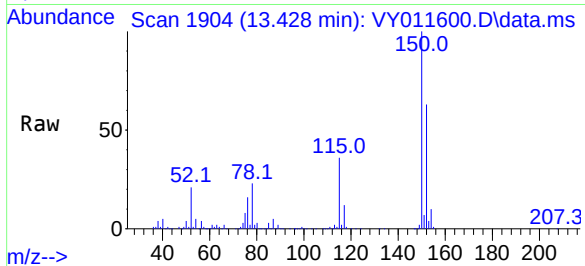




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

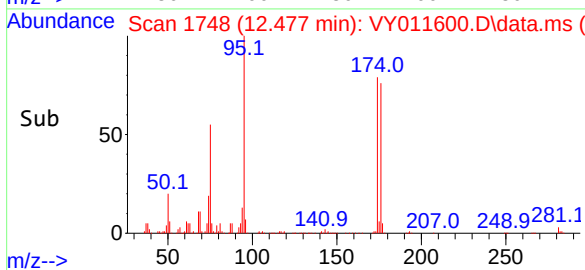
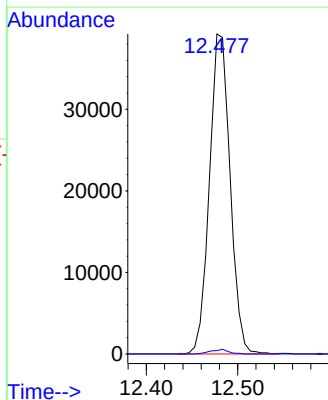
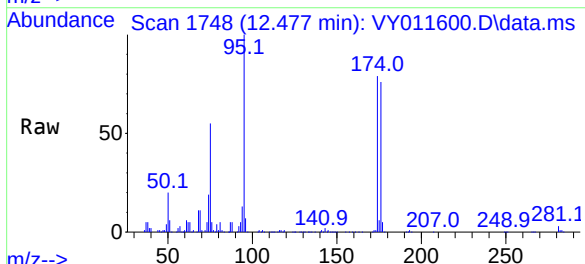
Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

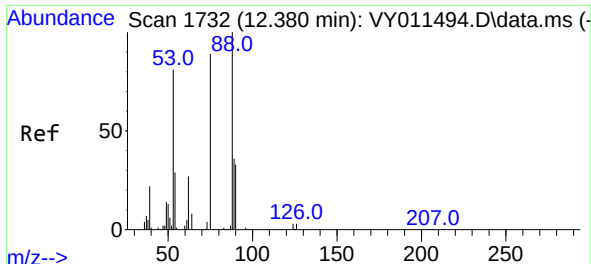
Tgt Ion:152 Resp: 124918
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.851 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 75 Resp: 61682
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

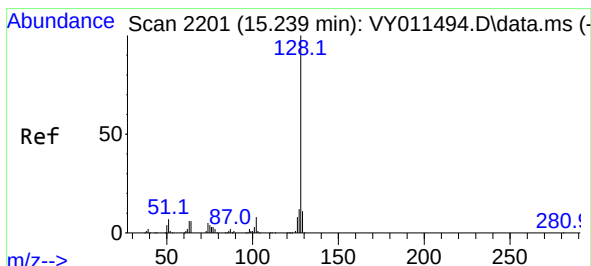
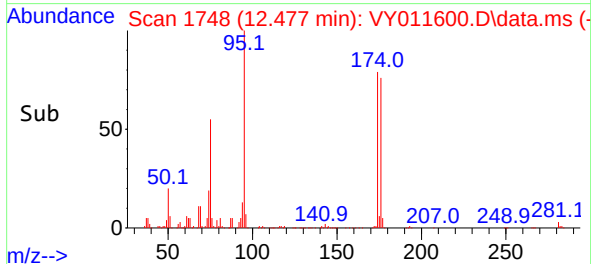
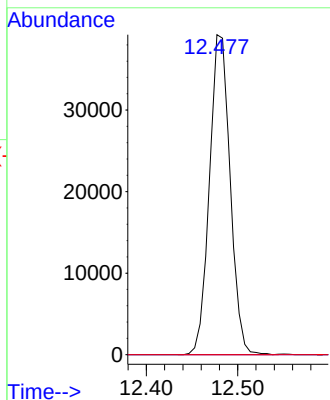
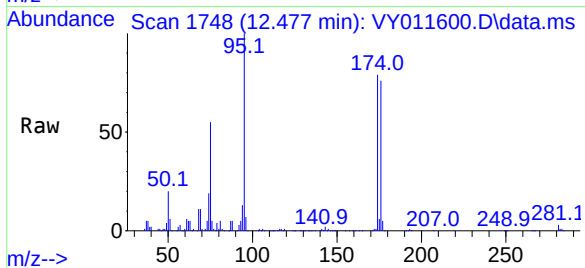




#81
trans-1,4-Dichloro-2-butene
Concen: 100.428 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Instrument :
MSVOA_Y
ClientSampleId :
CL-01-112322

Tgt Ion: 75 Resp: 61682
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.090 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011600.D
Acq: 28 Nov 2022 13:59

Tgt Ion: 128 Resp: 335
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

