

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011695.D
 Acq On : 05 Dec 2022 14:42
 Operator : KP/MD
 Sample : N5870-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-4

Quant Time: Dec 06 00:36:41 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)

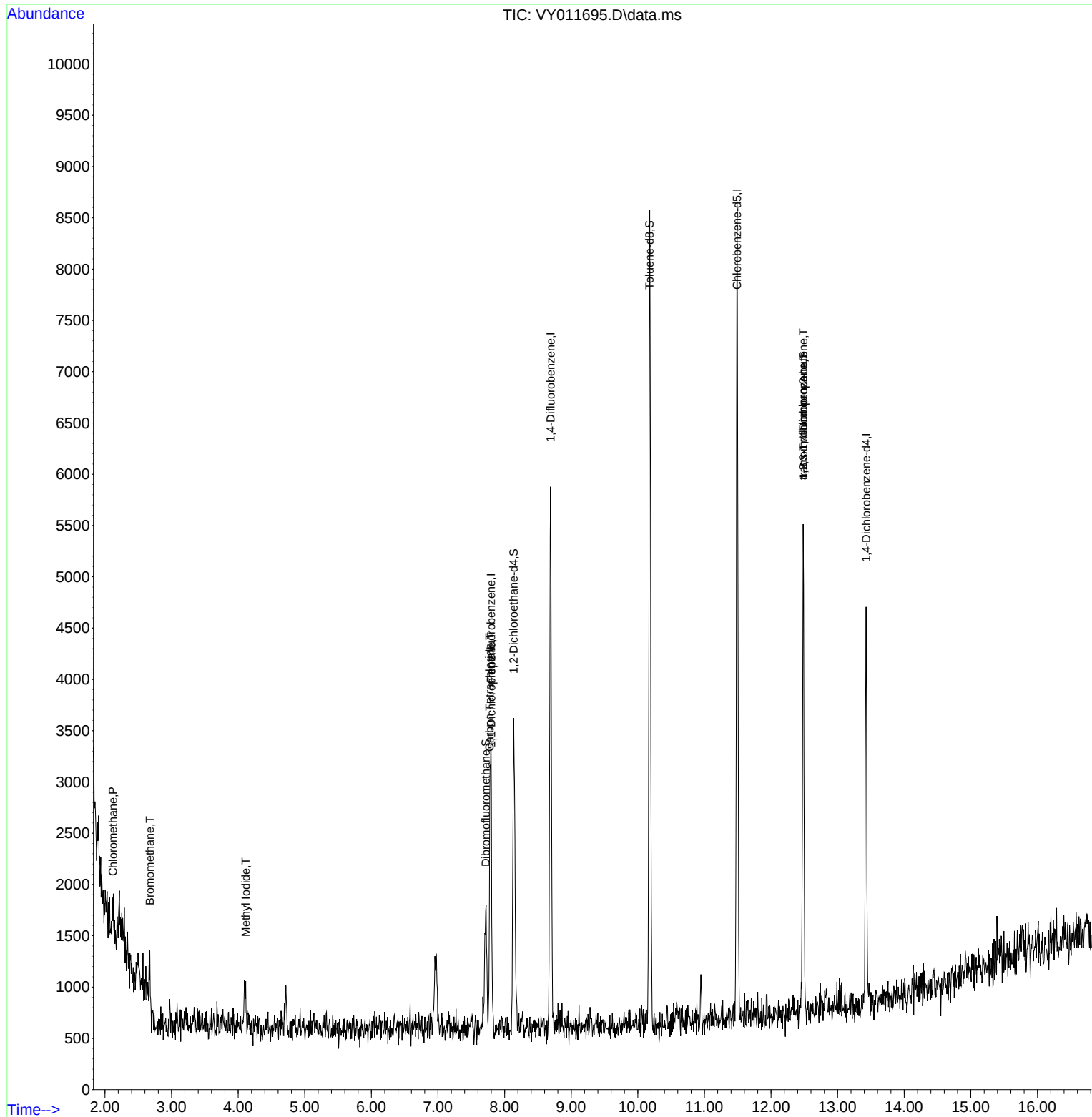
Internal Standards						
1) Pentafluorobenzene	7.795	168	2889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2494	85.018	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.040%#	
35) Dibromofluoromethane	7.716	113	1090	32.205	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 64.420%	
50) Toluene-d8	10.179	98	5679	46.174	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.340%	
62) 4-Bromofluorobenzene	12.483	95	1663	36.571	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	190	3.626	ug/l #	44
5) Bromomethane	2.674	94	164	4.205	ug/l #	47
10) Methyl Iodide	4.113	142	509	15.763	ug/l #	60
20) Methylene Chloride	4.710	84	277	Below Cal	#	44
36) 1,1-Dichloropropene	7.801	75	59	1.115	ug/l #	42
38) Carbon Tetrachloride	7.777	117	200	3.379	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	743	56.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	743	124.273	ug/l #	7

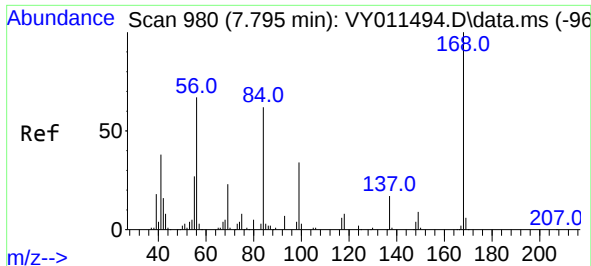
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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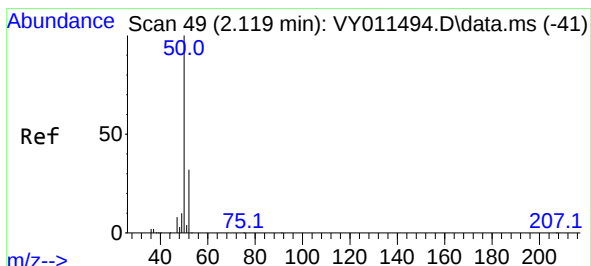
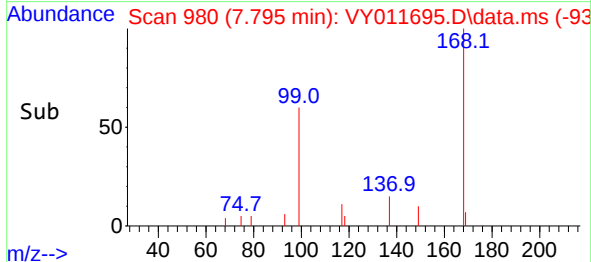
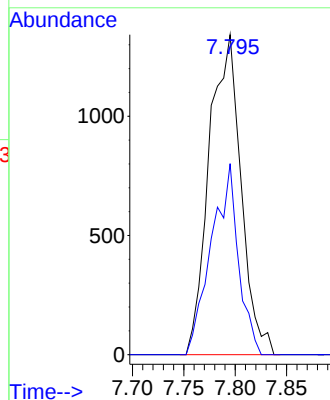
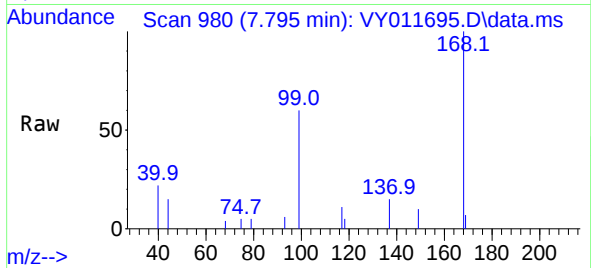




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

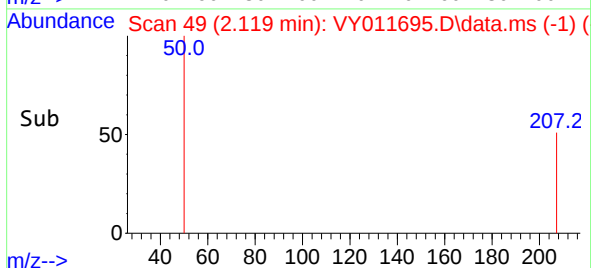
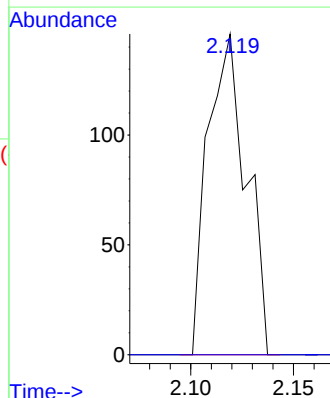
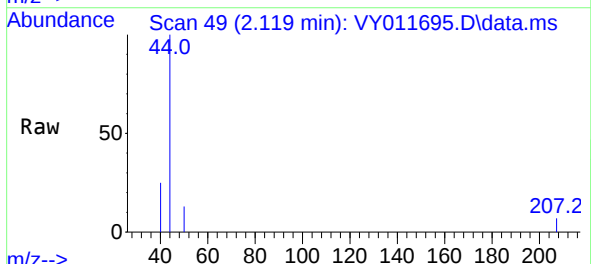
Instrument :
MSVOA_Y
ClientSampleId :
ML-4

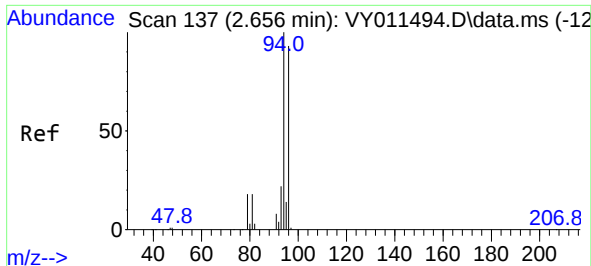
Tgt Ion:168 Resp: 2889
Ion Ratio Lower Upper
168 100
99 59.7 46.9 70.3



#3
Chloromethane
Concen: 3.626 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Tgt Ion: 50 Resp: 190
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

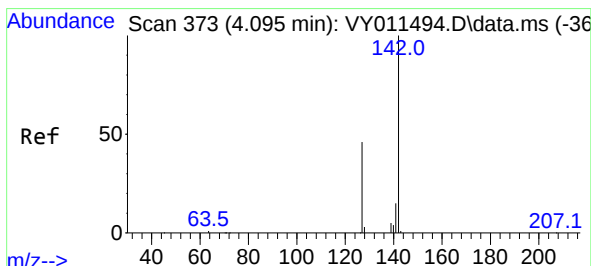
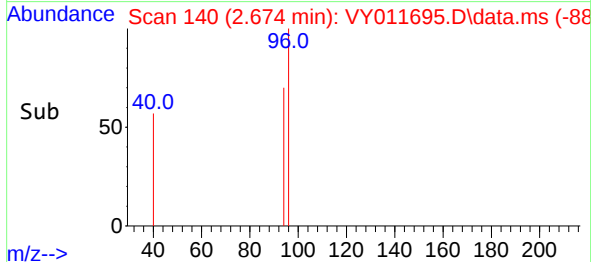
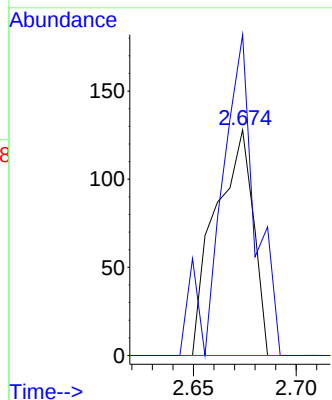
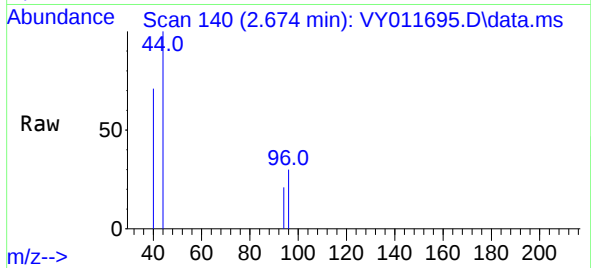




#5
Bromomethane
Concen: 4.205 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

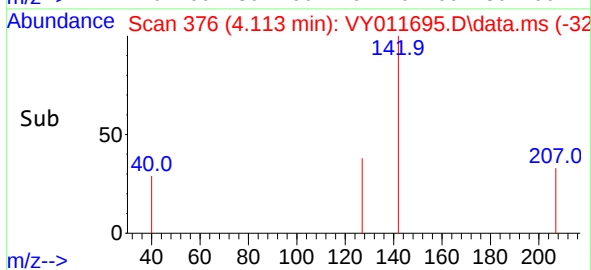
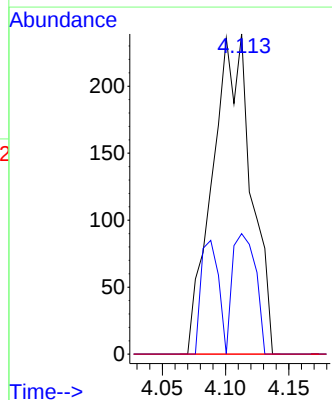
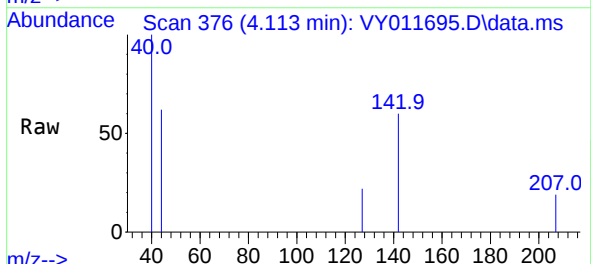
Instrument :
MSVOA_Y
ClientSampleId :
ML-4

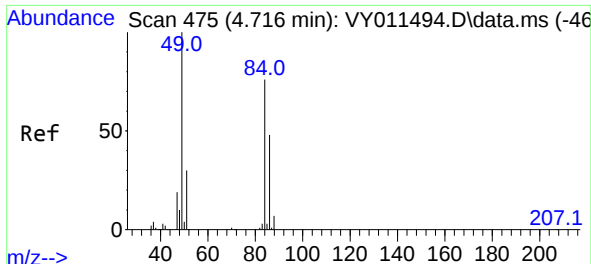
Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 142.2 73.5 110.3#



#10
Methyl Iodide
Concen: 15.763 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Tgt Ion: 142 Resp: 509
Ion Ratio Lower Upper
142 100
127 22.6 41.5 62.3#
141 0.0 11.9 17.9#



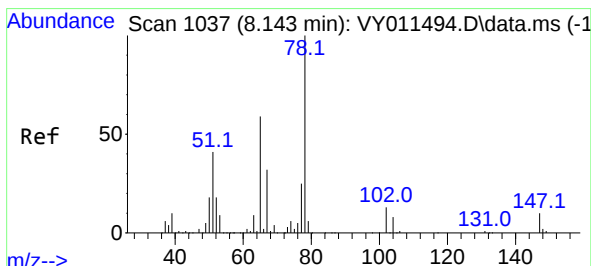
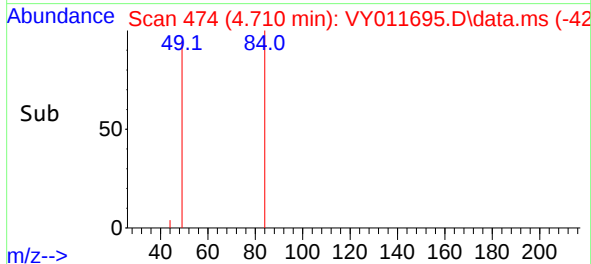
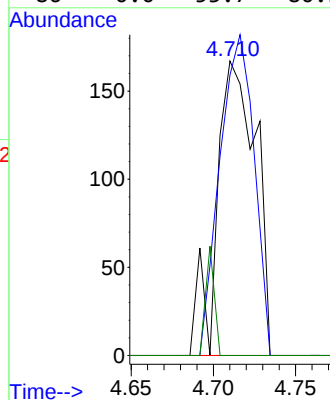
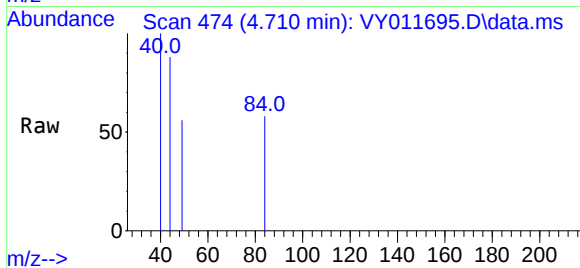


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Instrument :
MSVOA_Y
ClientSampleId :
ML-4

Tgt Ion: 84 Resp: 277

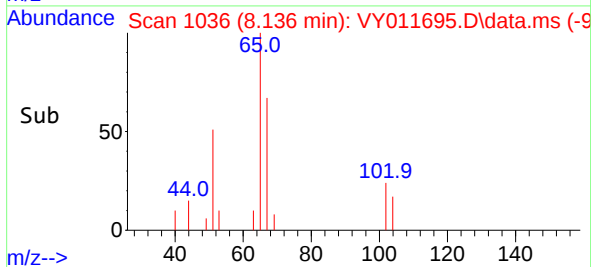
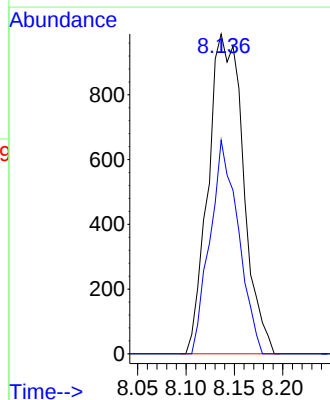
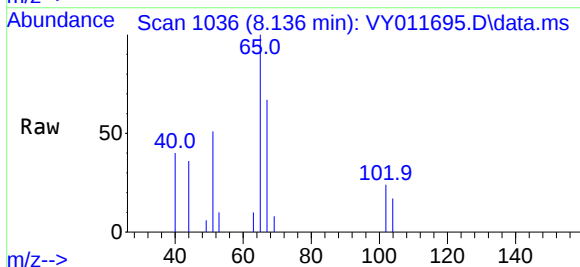
Ion	Ratio	Lower	Upper
84	100		
49	95.2	114.4	171.6#
51	0.0	35.3	52.9#
86	0.0	53.7	80.5#

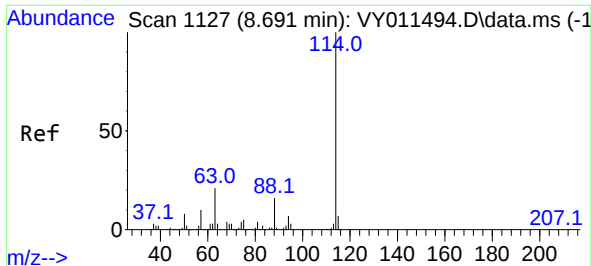


#33
1,2-Dichloroethane-d4
Concen: 85.018 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Tgt Ion: 65 Resp: 2494

Ion	Ratio	Lower	Upper
65	100		
67	53.9	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: VY011695.D

Acq: 05 Dec 2022 14:42

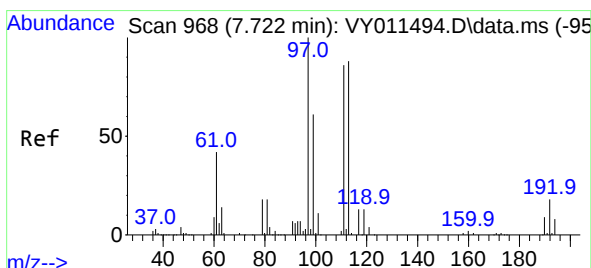
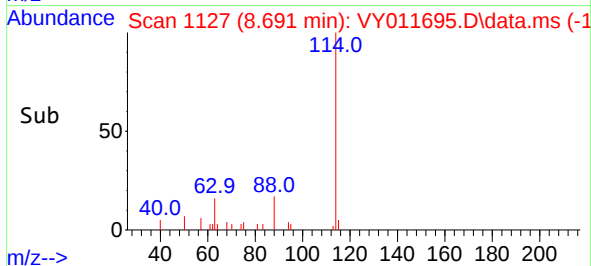
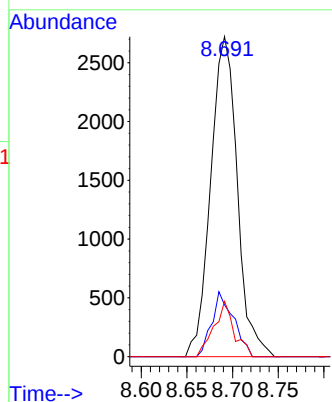
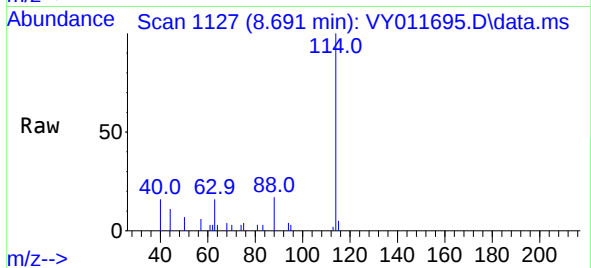
Instrument :

MSVOA_Y

ClientSampleId :

ML-4

Tgt Ion:	114	Resp:	5498
Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	43.2
88	17.3	0.0	31.8



#35

Dibromofluoromethane

Concen: 32.205 ug/l

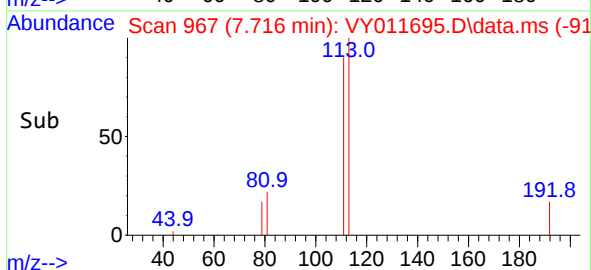
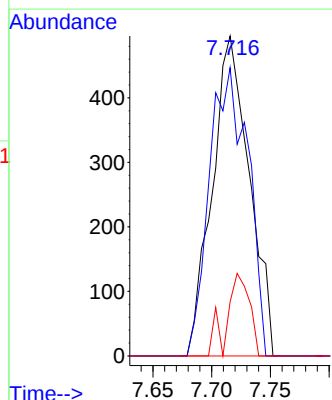
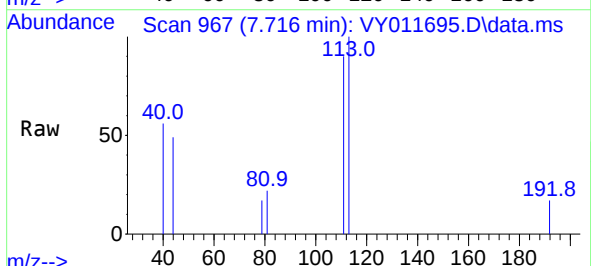
RT: 7.716 min Scan# 967

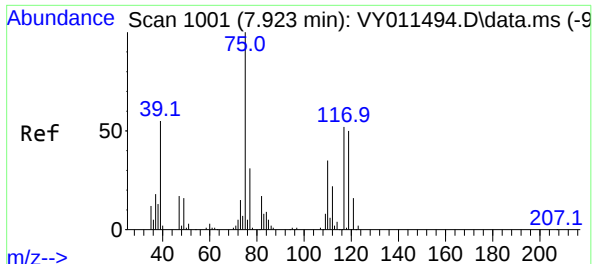
Delta R.T. -0.006 min

Lab File: VY011695.D

Acq: 05 Dec 2022 14:42

Tgt Ion:	113	Resp:	1090
Ion	Ratio	Lower	Upper
113	100		
111	93.9	82.6	124.0
192	15.8	17.6	26.4





#36

1,1-Dichloropropene

Concen: 1.115 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY011695.D

Acq: 05 Dec 2022 14:42

Instrument :

MSVOA_Y

ClientSampleId :

ML-4

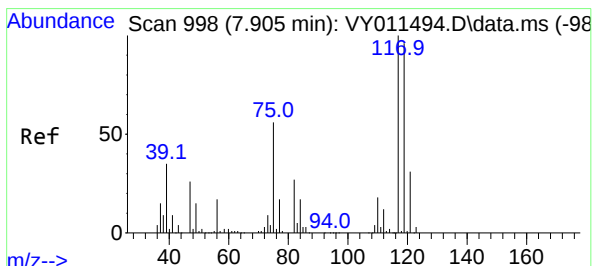
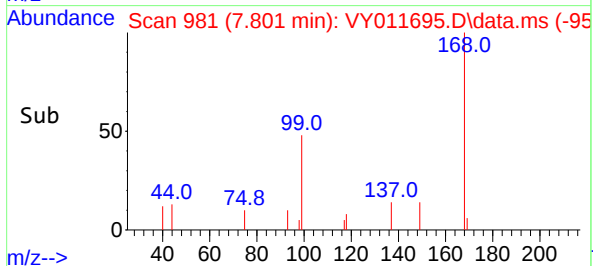
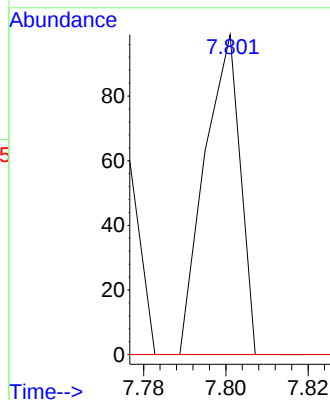
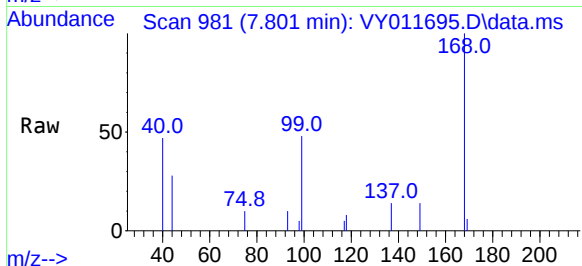
Tgt Ion: 75 Resp: 59

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 3.379 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.128 min

Lab File: VY011695.D

Acq: 05 Dec 2022 14:42

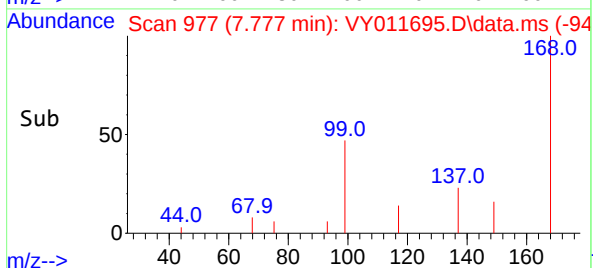
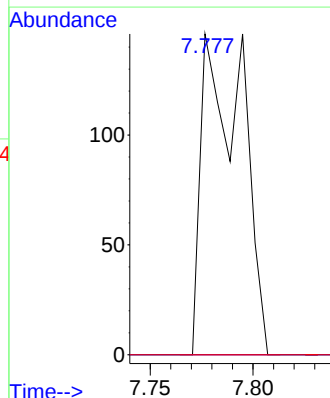
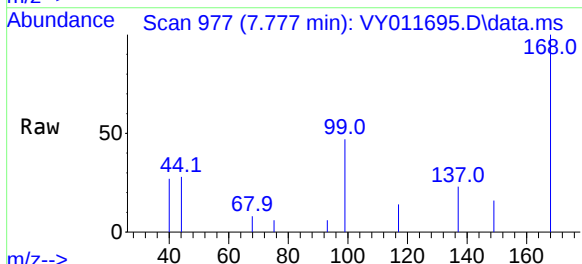
Tgt Ion: 117 Resp: 200

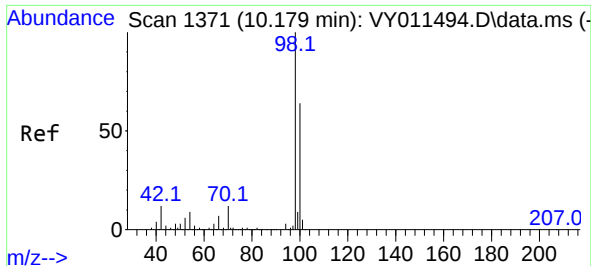
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

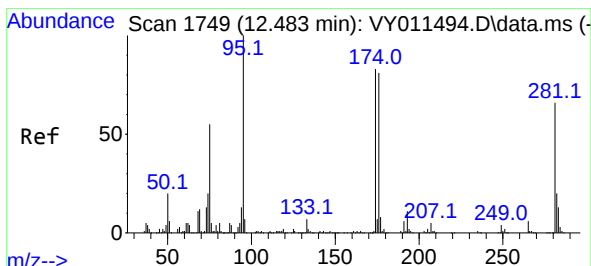
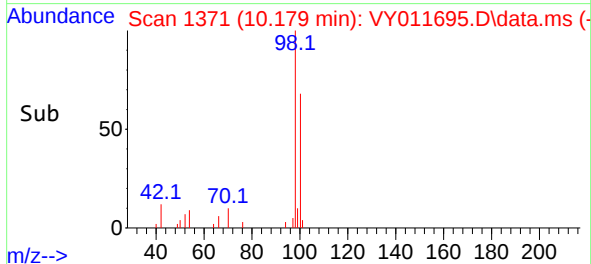
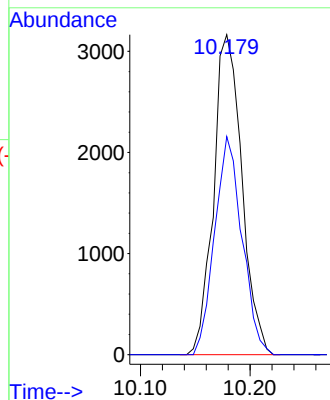
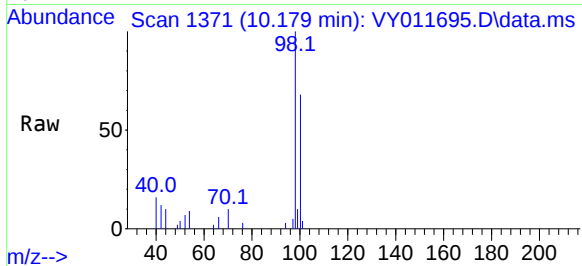




#50
Toluene-d8
Concen: 46.174 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

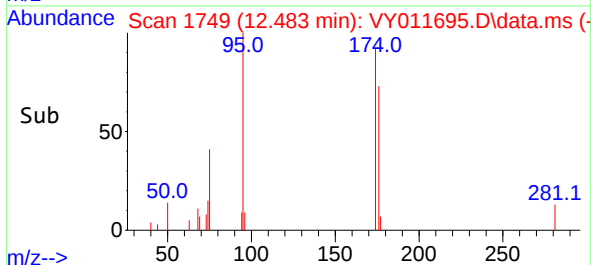
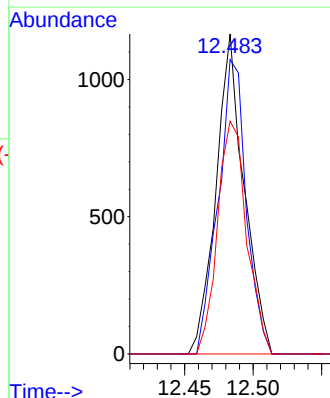
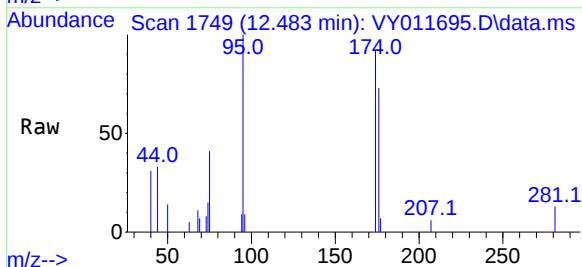
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ClientSampleId :
ML-4

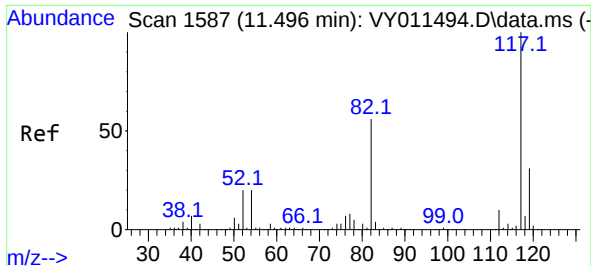
Tgt Ion: 98 Resp: 5679
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.571 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Tgt Ion: 95 Resp: 1663
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.0
176 75.4 0.0 175.8

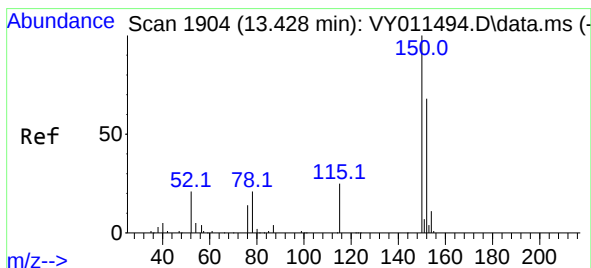
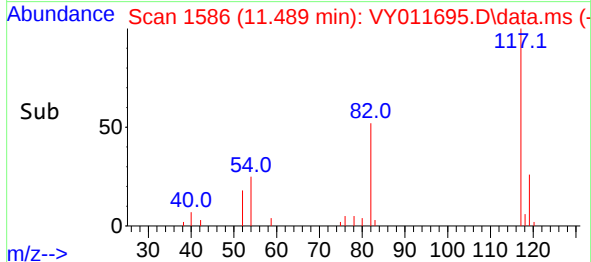
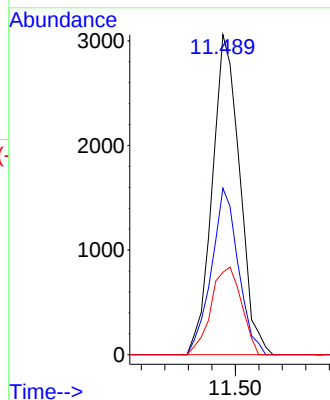
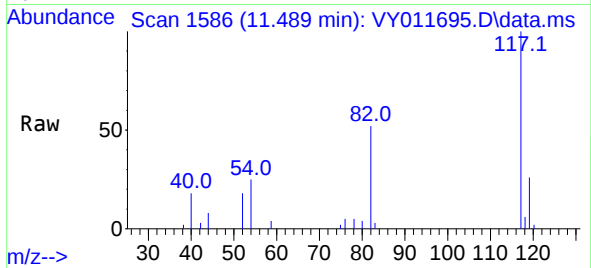




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

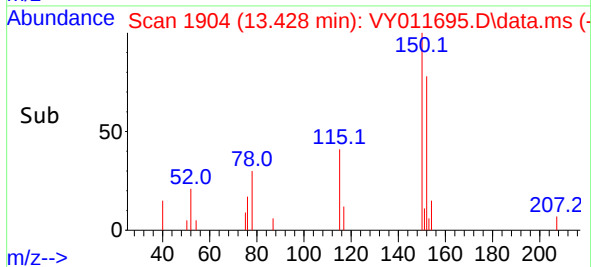
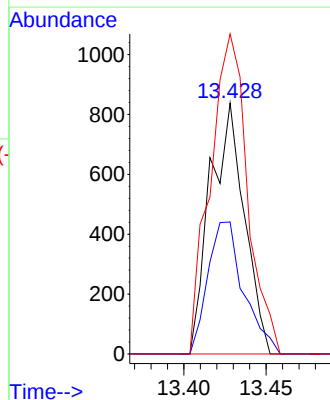
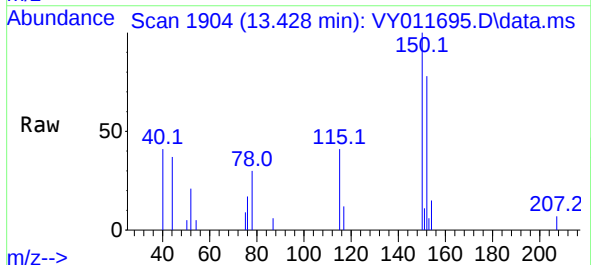
Instrument :
MSVOA_Y
ClientSampleId :
ML-4

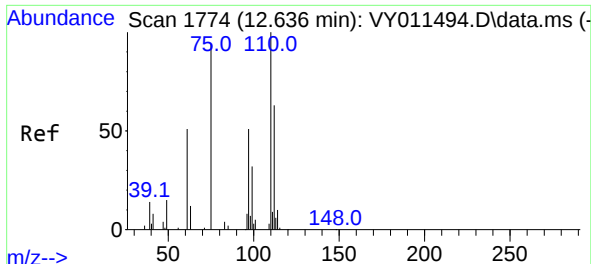
Tgt Ion:117 Resp: 4953
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 25.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Tgt Ion:152 Resp: 1216
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.7
150 138.7 0.0 347.6

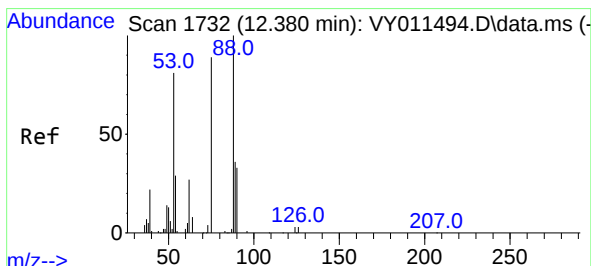
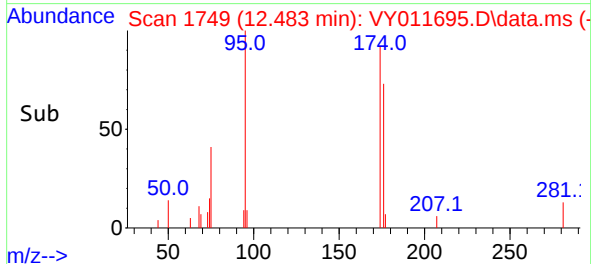
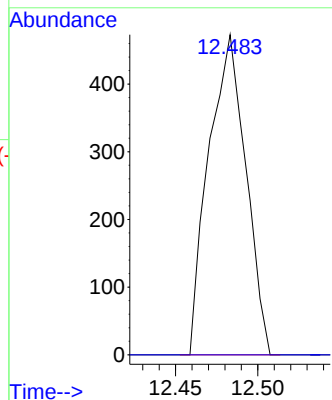
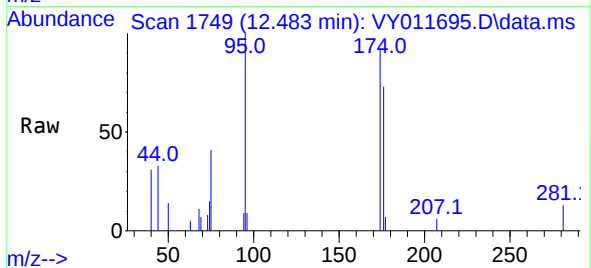




#76
1,2,3-Trichloropropane
Concen: 56.737 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Instrument :
MSVOA_Y
ClientSampleId :
ML-4

Tgt Ion: 75 Resp: 743
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 124.273 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011695.D
Acq: 05 Dec 2022 14:42

Tgt Ion: 75 Resp: 743
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

