

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011469.D
 Acq On : 16 Nov 2022 13:32
 Operator : KP/MD
 Sample : N5638-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 03:15:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

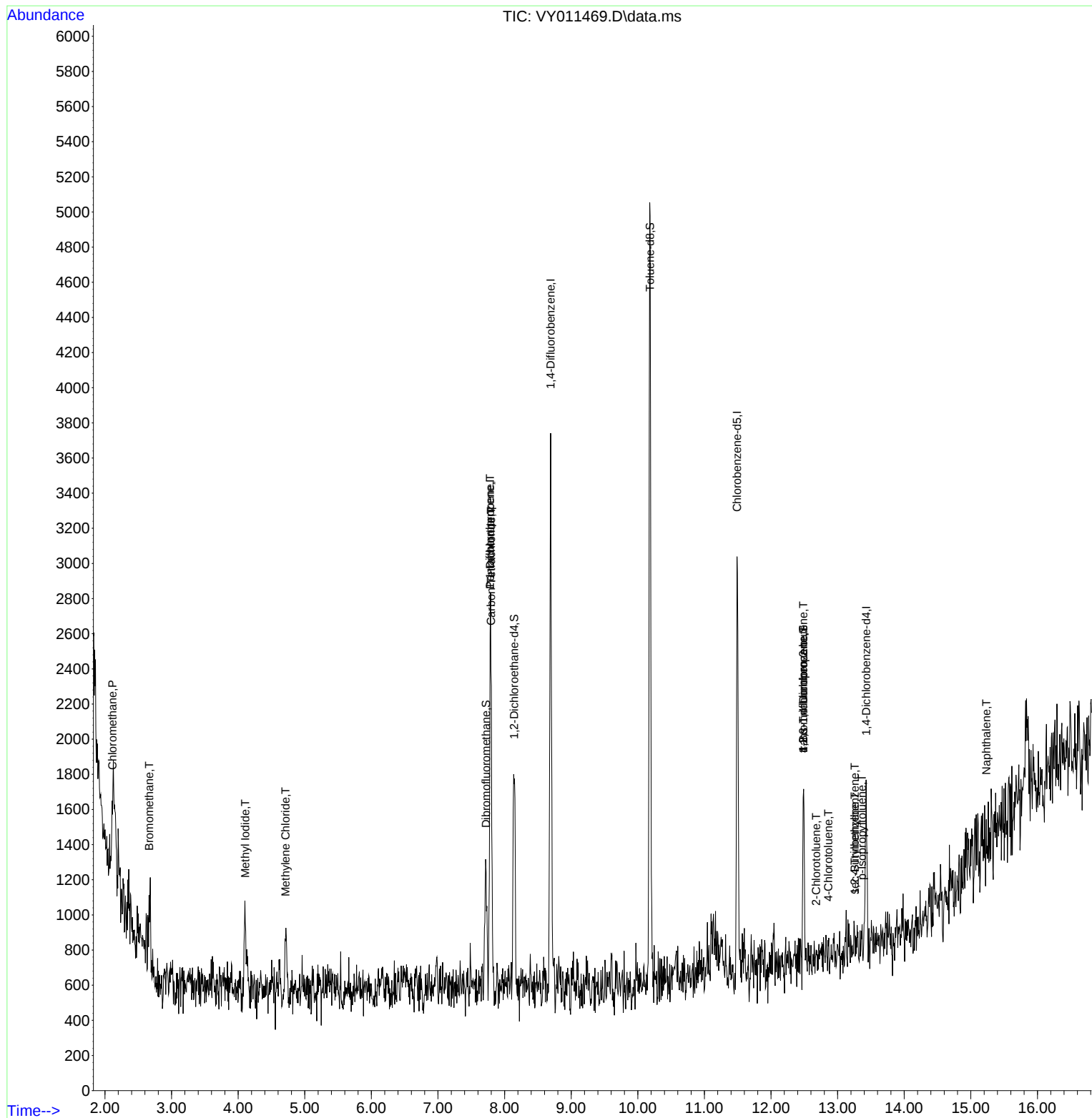
Internal Standards						
1) Pentafluorobenzene	7.783	168	2203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	3294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1146	62.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.160%	
35) Dibromofluoromethane	7.722	113	688	37.269	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 74.540%	
50) Toluene-d8	10.185	98	3433	48.679	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.360%	
62) 4-Bromofluorobenzene	12.483	95	401	16.302	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 32.600%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	124	7.003	ug/l #	44
5) Bromomethane	2.662	94	134	8.866	ug/l #	74
10) Methyl Iodide	4.107	142	665	24.974	ug/l #	68
20) Methylene Chloride	4.710	84	240	1.849	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	45	1.571	ug/l #	42
38) Carbon Tetrachloride	7.795	117	105	3.369	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	188	43.660	ug/l #	100
79) 2-Chlorotoluene	12.678	91	22	1.254	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	188	104.945	ug/l #	7
82) 4-Chlorotoluene	12.861	91	49	2.690	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.257	105	43	2.020	ug/l #	31
85) sec-Butylbenzene	13.257	105	43	1.558	ug/l #	56
86) p-Isopropyltoluene	13.367	119	44	1.902	ug/l #	50
95) Naphthalene	15.233	128	90	9.251	ug/l #	69

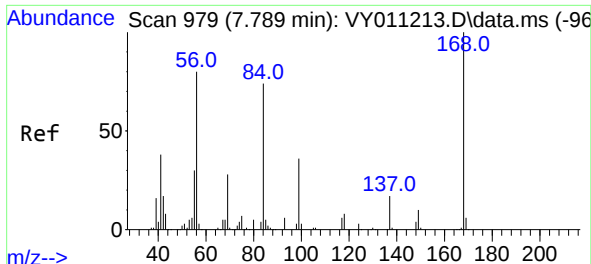
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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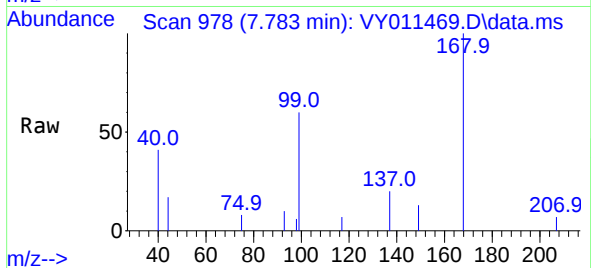
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 10 17:47:26 2022
Response via : Initial Calibration



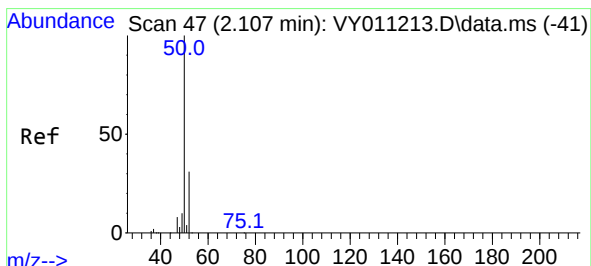
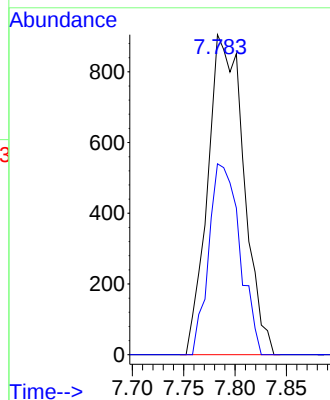
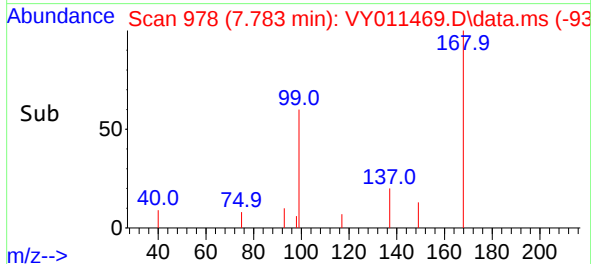


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :

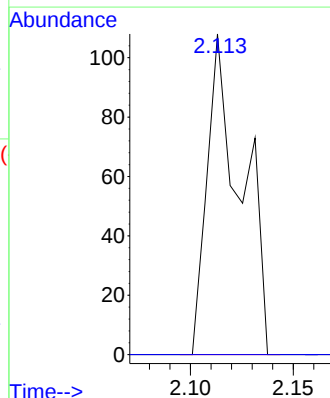
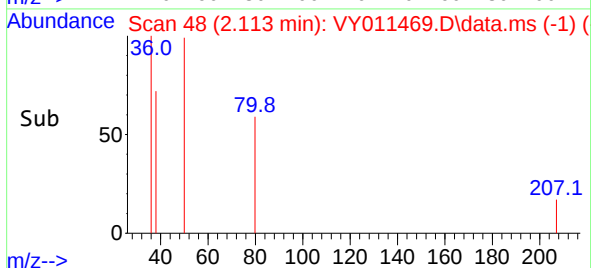
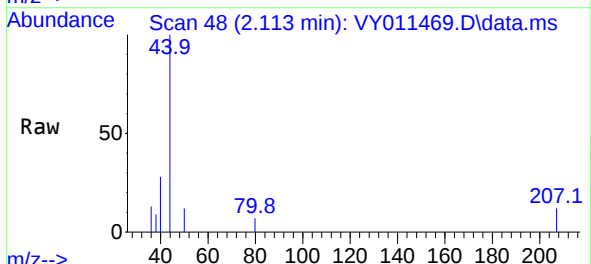


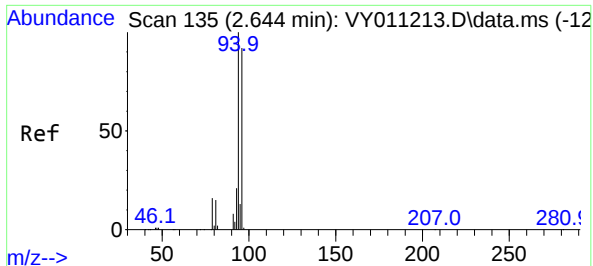
Tgt Ion:168 Resp: 2203
Ion Ratio Lower Upper
168 100
99 59.7 46.9 70.3



#3
Chloromethane
Concen: 7.003 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

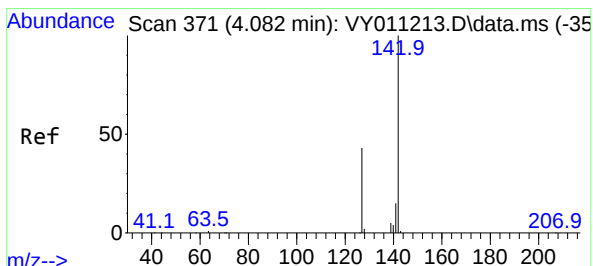
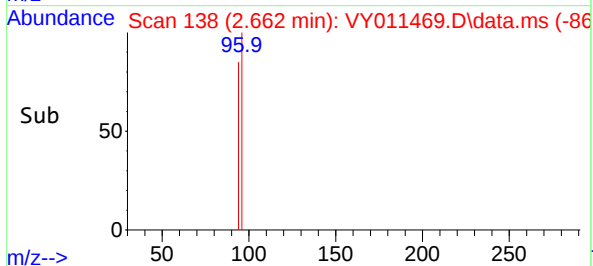
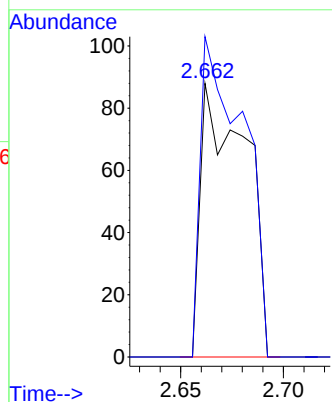
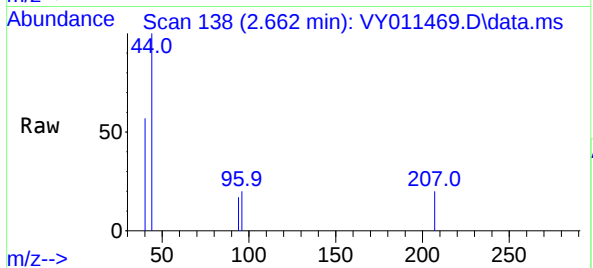




#5
Bromomethane
Concen: 8.866 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

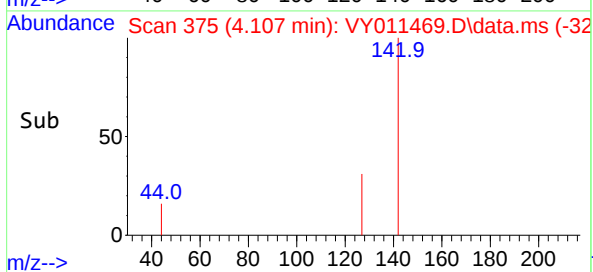
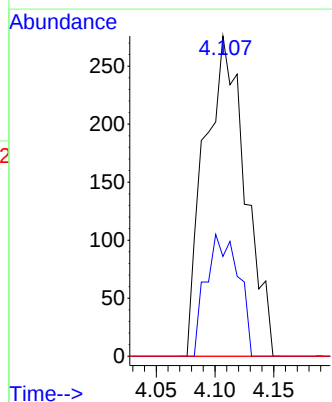
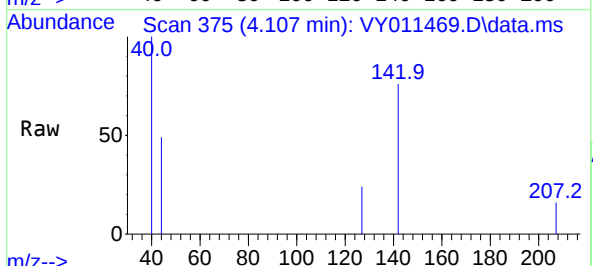
Instrument :
MSVOA_Y
ClientSampleId :

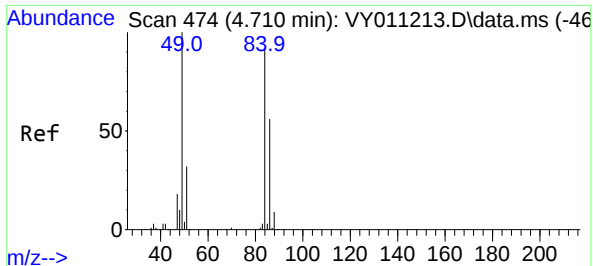
Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 117.0 73.5 110.3#



#10
Methyl Iodide
Concen: 24.974 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

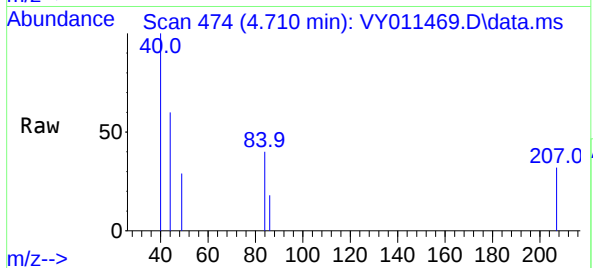
Tgt Ion: 142 Resp: 665
Ion Ratio Lower Upper
142 100
127 30.4 41.5 62.3#
141 0.0 11.9 17.9#



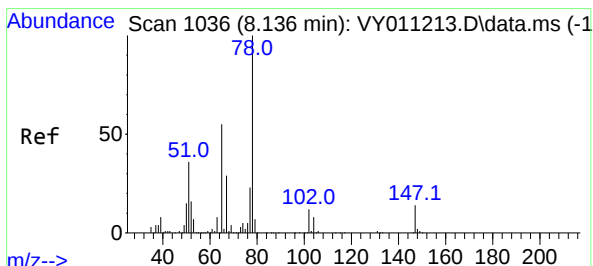
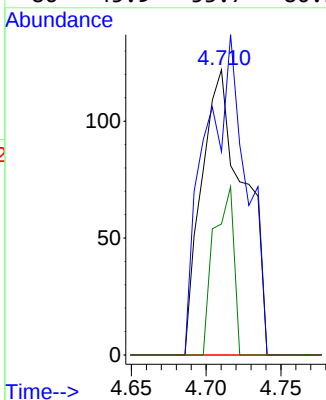
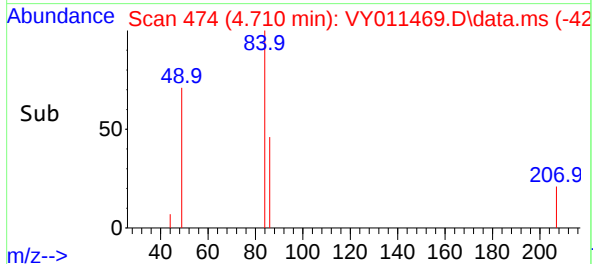


#20
Methylene Chloride
Concen: 1.849 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :

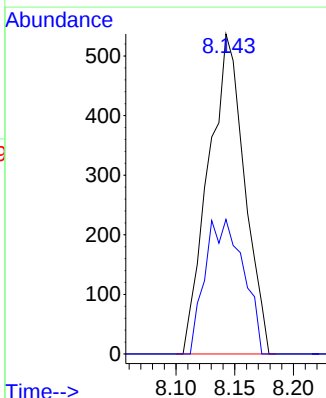
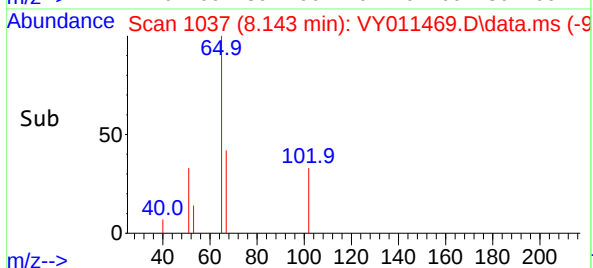
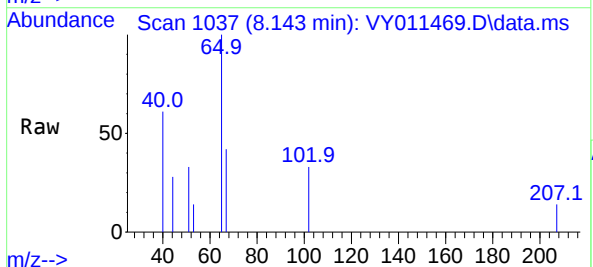


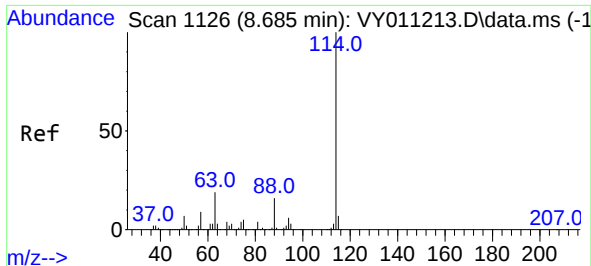
Tgt Ion: 84 Resp: 240
Ion Ratio Lower Upper
84 100
49 71.3 114.4 171.6#
51 0.0 35.3 52.9#
86 45.9 53.7 80.5#



#33
1,2-Dichloroethane-d4
Concen: 62.079 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Tgt Ion: 65 Resp: 1146
Ion Ratio Lower Upper
65 100
67 44.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011469.D

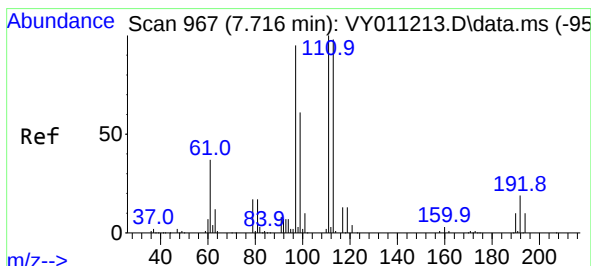
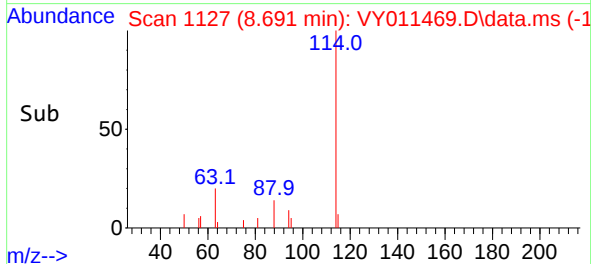
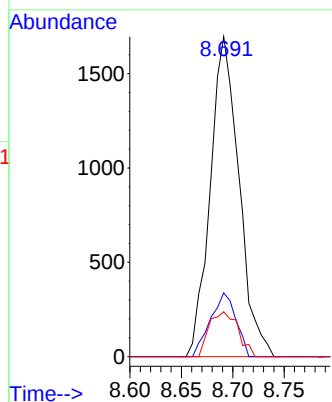
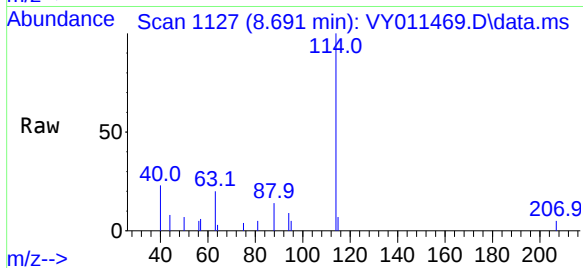
Acq: 16 Nov 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	3294
Ion	Ratio	Lower Upper
114	100	
63	19.9	0.0 43.2
88	14.0	0.0 31.8



#35

Dibromofluoromethane

Concen: 37.269 ug/l

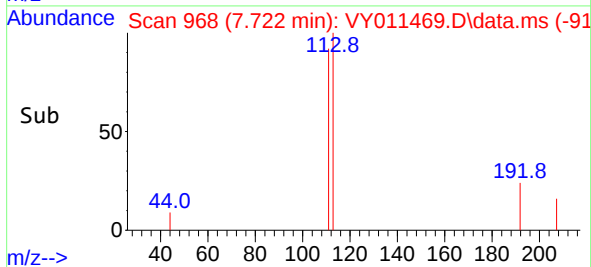
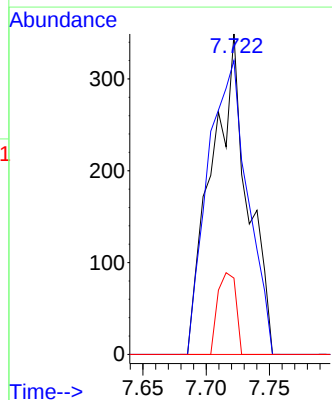
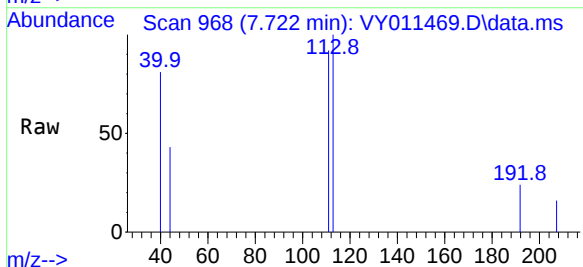
RT: 7.722 min Scan# 968

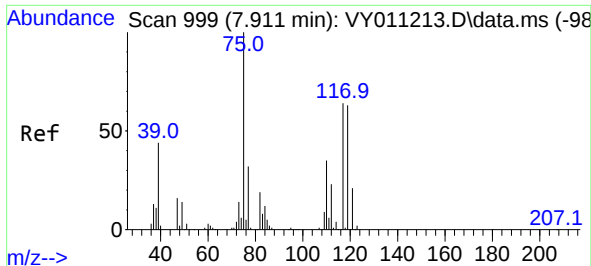
Delta R.T. 0.012 min

Lab File: VY011469.D

Acq: 16 Nov 2022 13:32

Tgt Ion:113	Resp:	688
Ion	Ratio	Lower Upper
113	100	
111	101.9	82.6 124.0
192	12.9	17.6 26.4





#36

1,1-Dichloropropene

Concen: 1.571 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

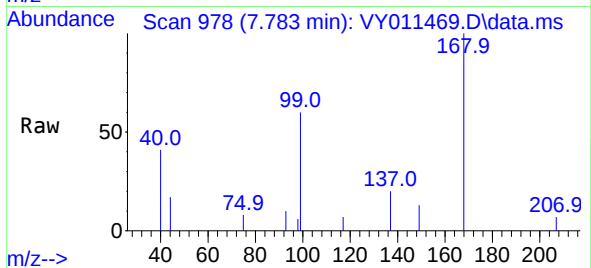
Lab File: VY011469.D

Acq: 16 Nov 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :



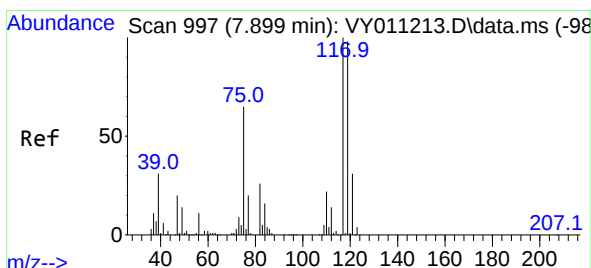
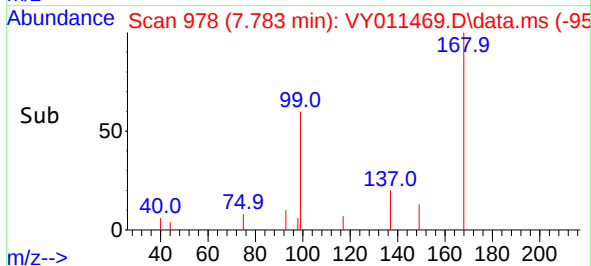
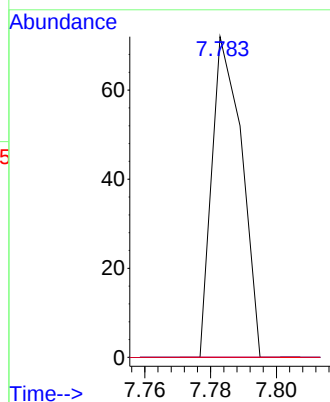
Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 3.369 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY011469.D

Acq: 16 Nov 2022 13:32

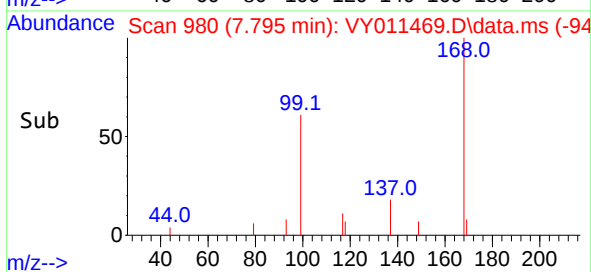
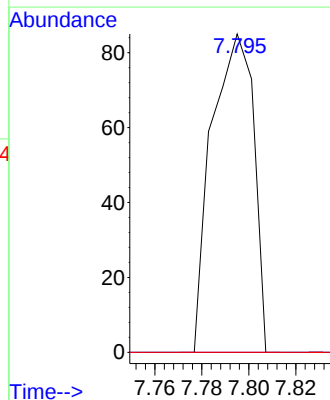
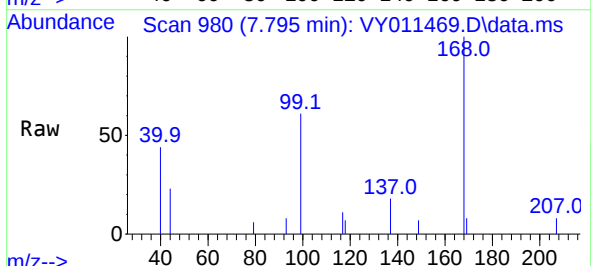
Tgt Ion: 117 Resp: 105

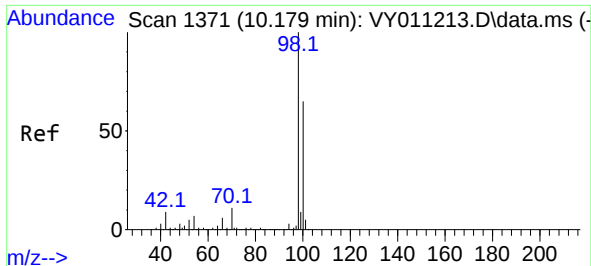
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

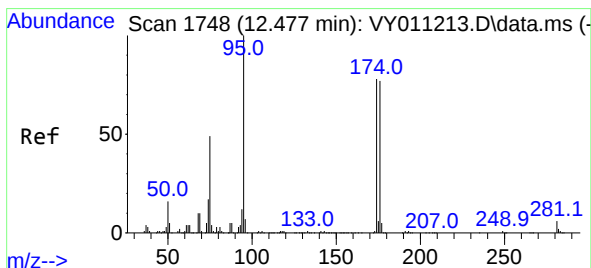
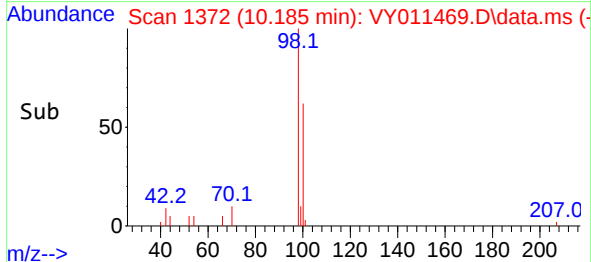
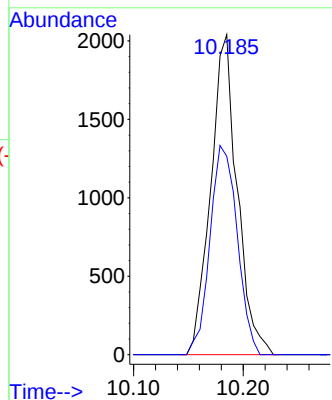
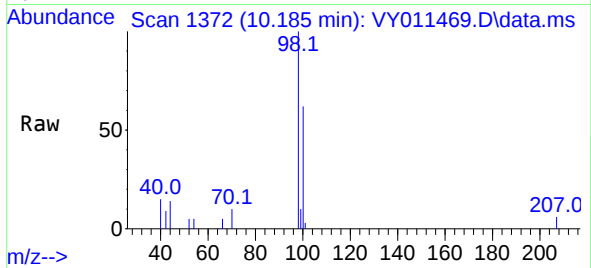




#50
Toluene-d8
Concen: 48.679 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

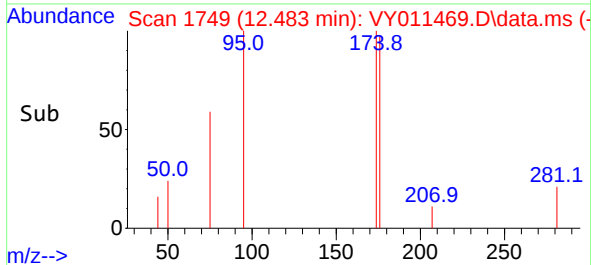
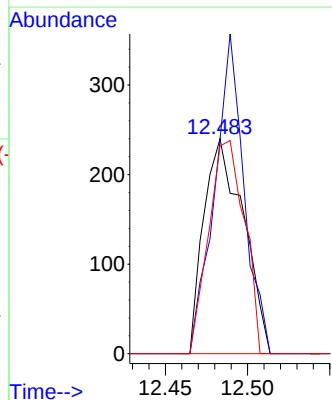
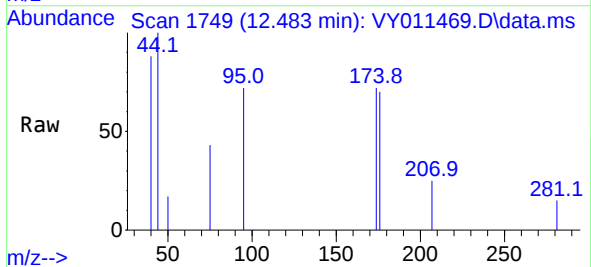
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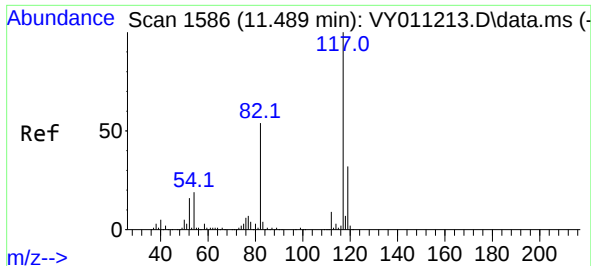
Tgt Ion: 98 Resp: 3433
Ion Ratio Lower Upper
98 100
100 67.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 16.302 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

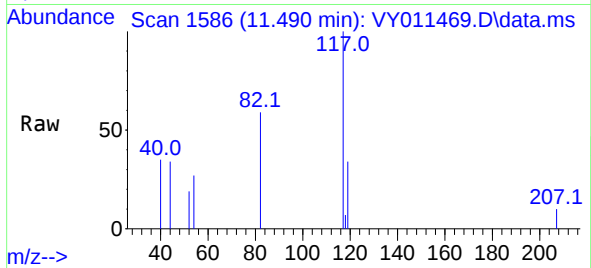
Tgt Ion: 95 Resp: 401
Ion Ratio Lower Upper
95 100
174 110.5 0.0 177.0
176 89.3 0.0 175.8





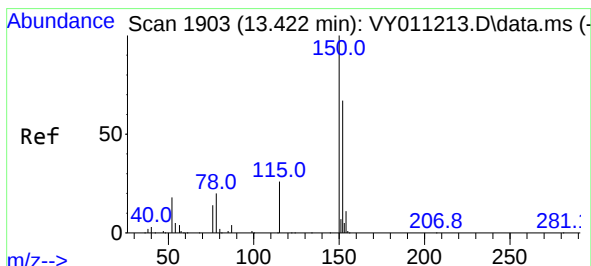
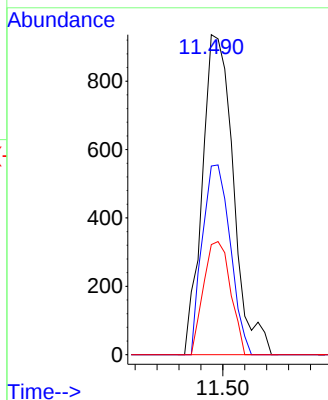
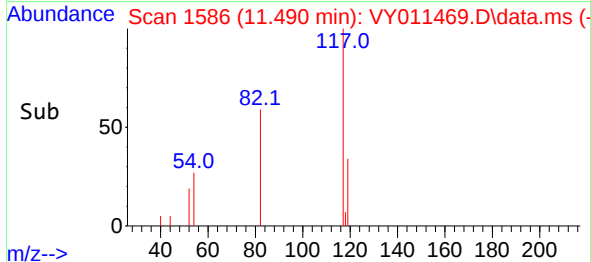
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :

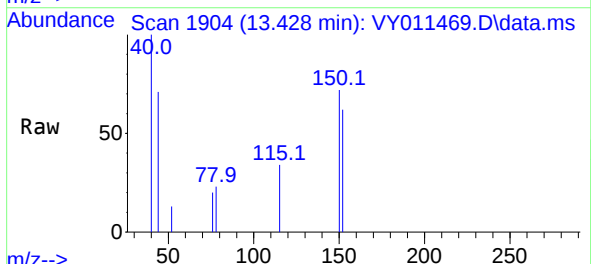


Tgt Ion:117 Resp: 1846

Ion	Ratio	Lower	Upper
117	100		
82	59.0	43.0	64.4
119	34.4	25.4	38.0

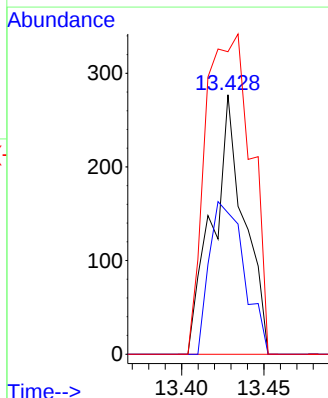
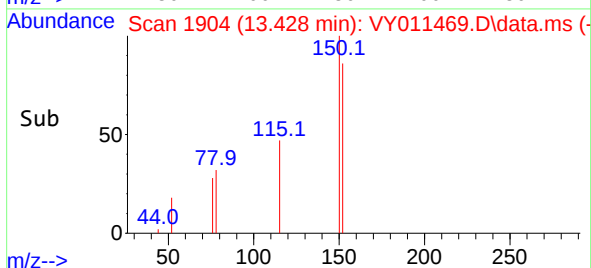


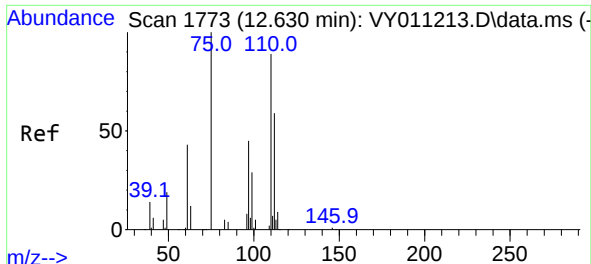
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32



Tgt Ion:152 Resp: 372

Ion	Ratio	Lower	Upper
152	100		
115	64.5	28.2	84.7
150	177.7	0.0	347.6

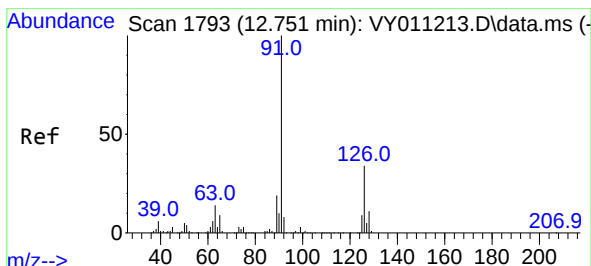
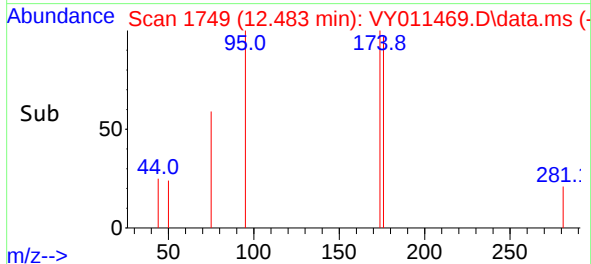
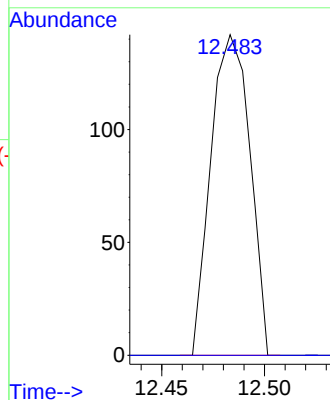
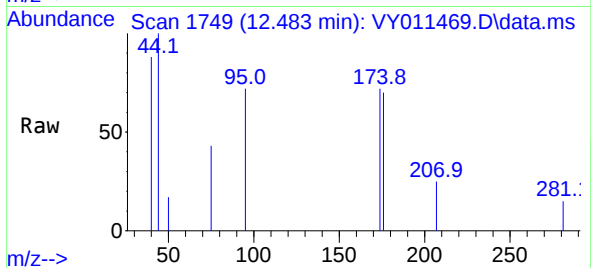




#76
1,2,3-Trichloropropane
Concen: 43.660 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.147 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

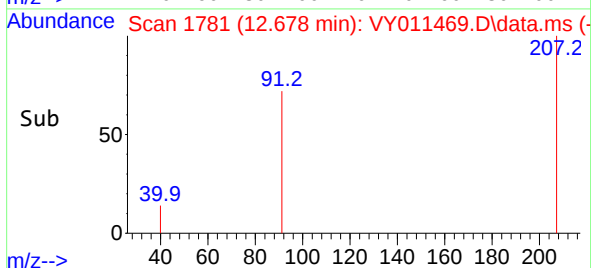
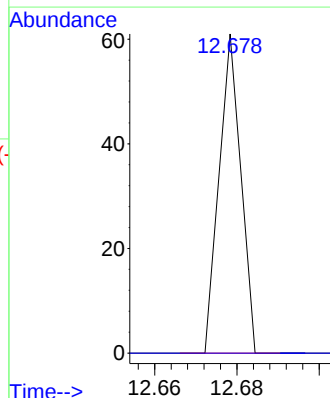
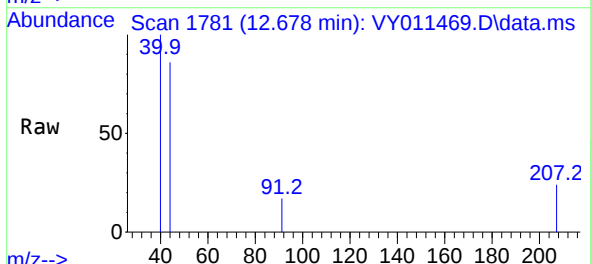
Instrument :
MSVOA_Y
ClientSampleId :

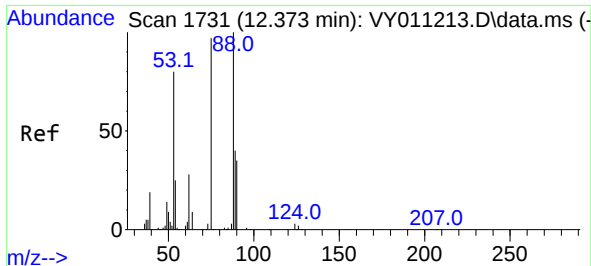
Tgt Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.254 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. -0.080 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Tgt Ion: 91 Resp: 22
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

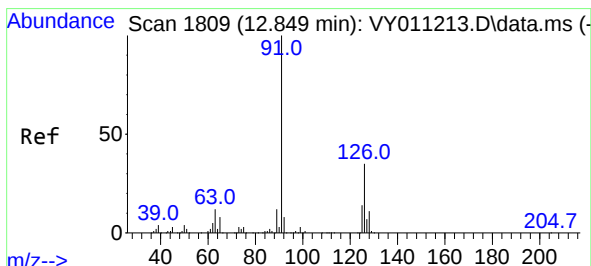
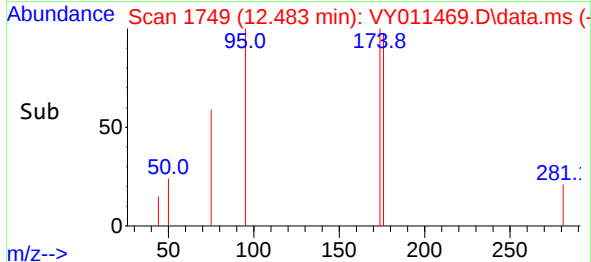
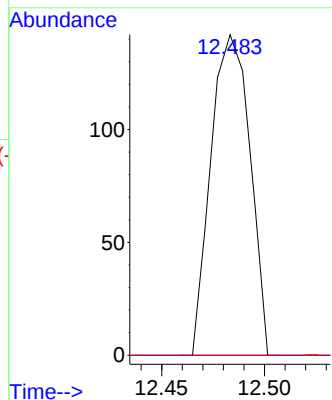
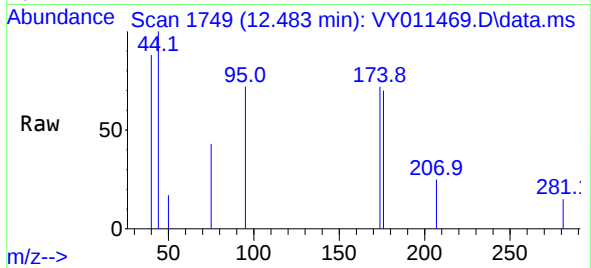




#81
trans-1,4-Dichloro-2-butene
Concen: 104.945 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

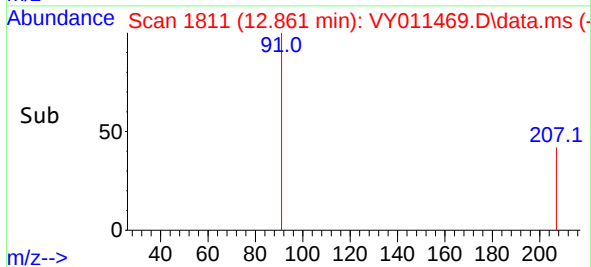
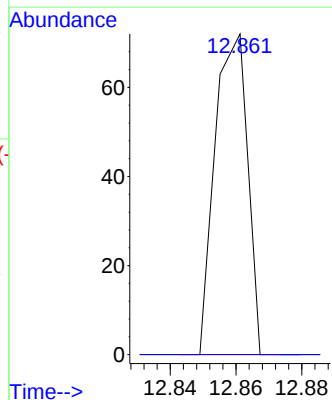
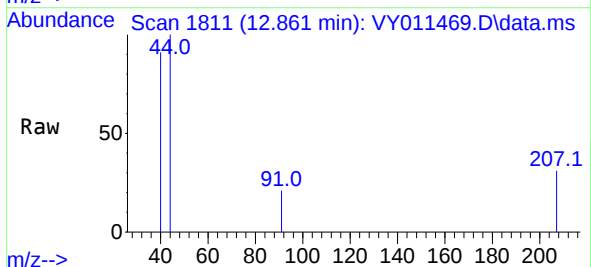
Instrument :
MSVOA_Y
ClientSampleId :

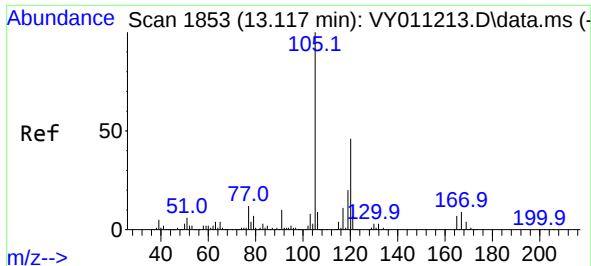
Tgt Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 2.690 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Tgt Ion: 91 Resp: 49
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

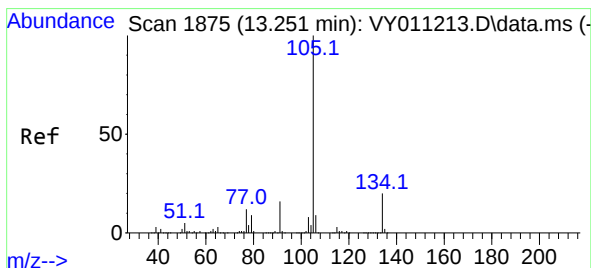
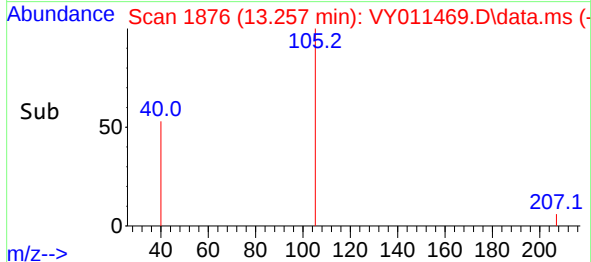
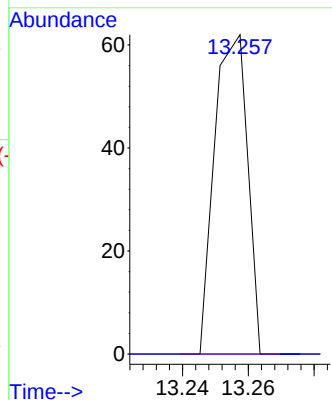
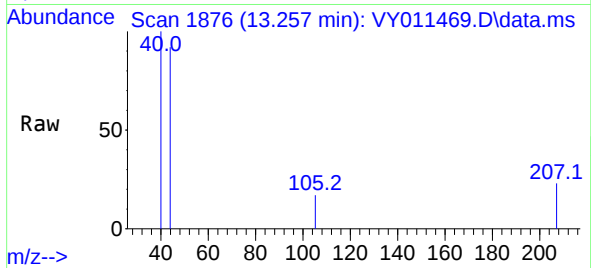




#84
1,2,4-Trimethylbenzene
Concen: 2.020 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.140 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

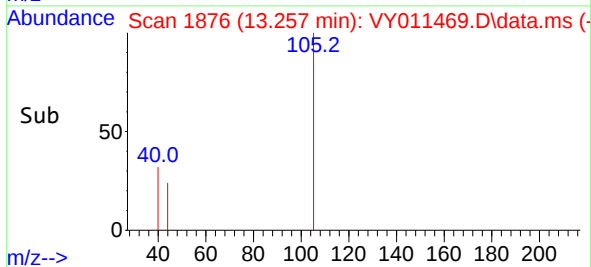
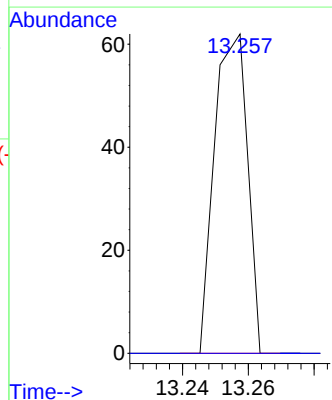
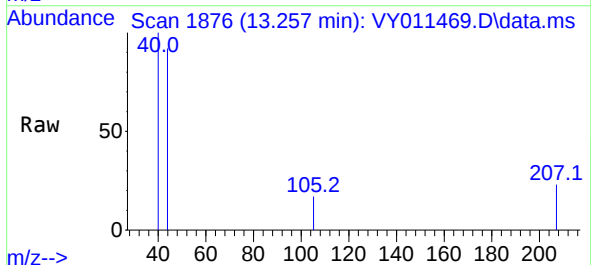
Instrument :
MSVOA_Y
ClientSampleId :

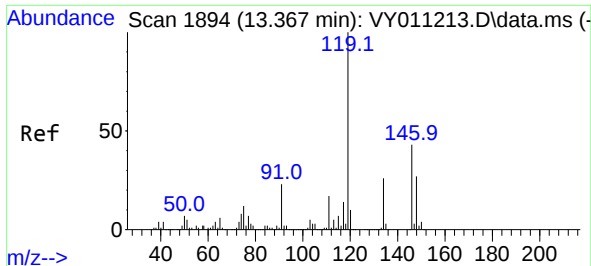
Tgt Ion:105 Resp: 43
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#



#85
sec-Butylbenzene
Concen: 1.558 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

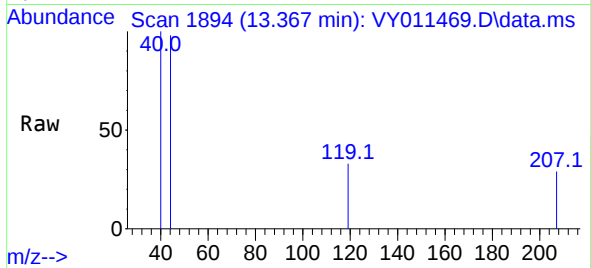
Tgt Ion:105 Resp: 43
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



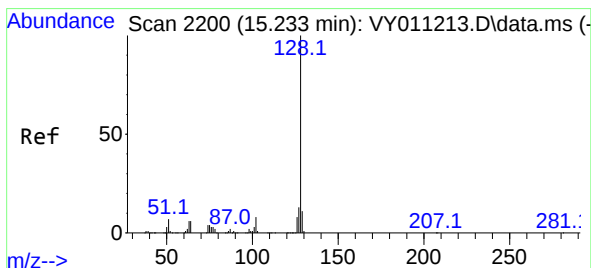
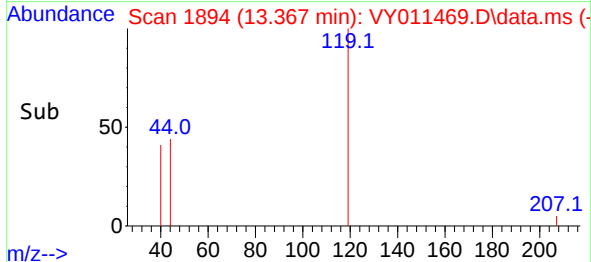
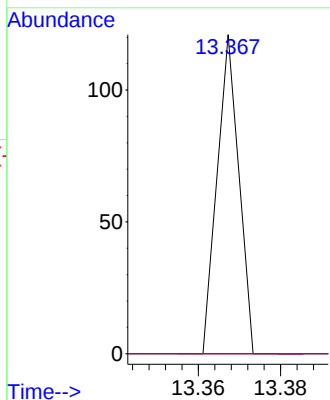


#86
p-Isopropyltoluene
Concen: 1.902 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:119 Resp: 44
Ion Ratio Lower Upper
119 100
134 0.0 13.2 39.5#
91 0.0 12.4 37.2#



#95
Naphthalene
Concen: 9.251 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011469.D
Acq: 16 Nov 2022 13:32

Tgt Ion:128 Resp: 90
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

