

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112321\
 Data File : VY006864.D
 Acq On : 23 Nov 2021 12:43
 Operator : SY/MD
 Sample : M4758-07RE
 Misc : 5.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 02:04:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

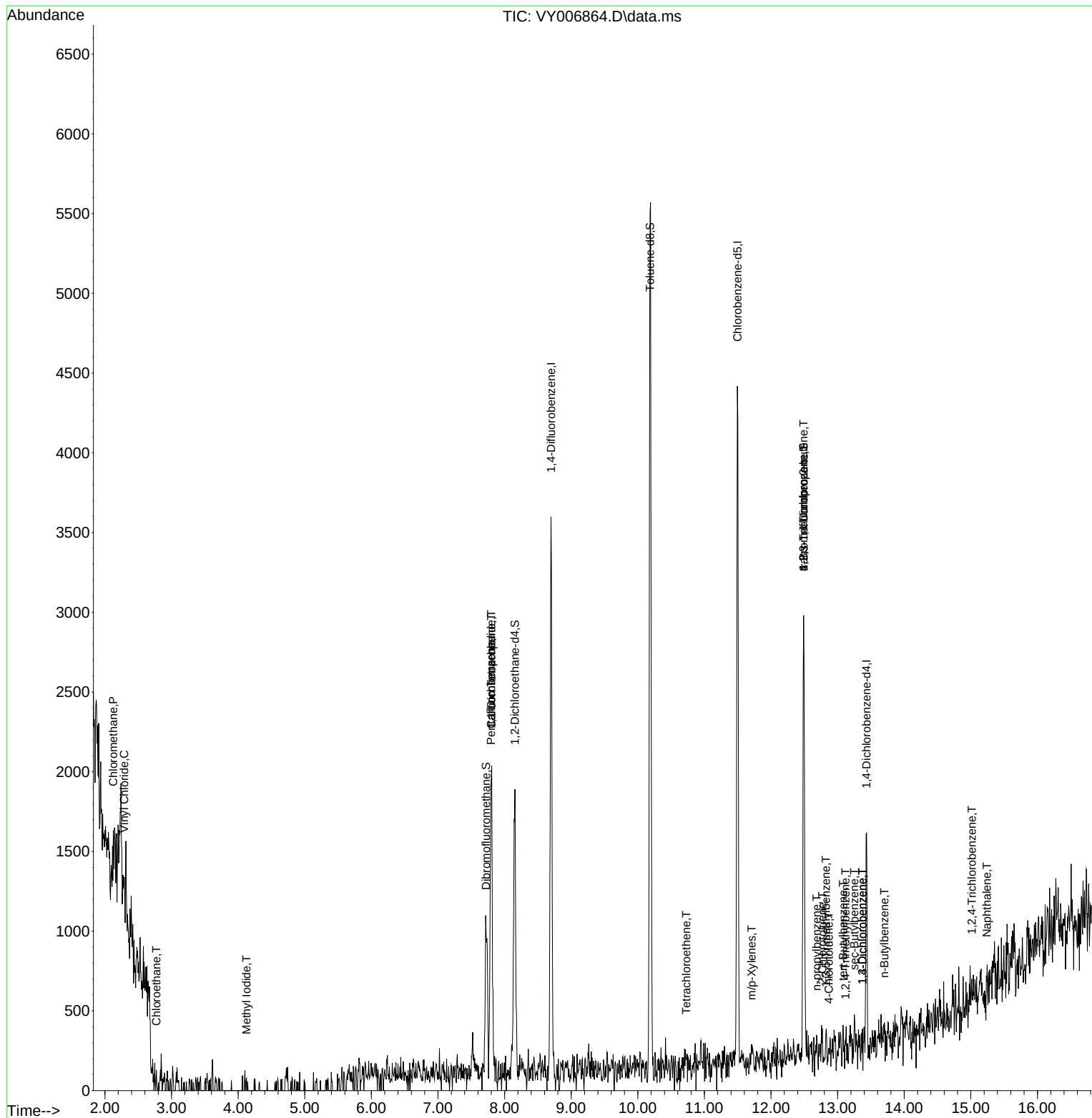
Internal Standards						
1) Pentafluorobenzene	7.795	168	2052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	3022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	2604	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	1518	56.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.880%	
35) Dibromofluoromethane	7.722	113	793	42.721	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.440%	
50) Toluene-d8	10.185	98	4041	52.608	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.220%	
62) 4-Bromofluorobenzene	12.489	95	809	31.241	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 62.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	41	1.383	ug/l #	43
4) Vinyl Chloride	2.290	62	144	4.784	ug/l #	44
6) Chloroethane	2.772	64	44	2.390	ug/l #	45
10) Methyl Iodide	4.125	142	53	2.116	ug/l #	36
20) Methylene Chloride	4.729	84	79	Below Cal	#	3
36) 1,1-Dichloropropene	7.801	75	182	5.541	ug/l #	42
38) Carbon Tetrachloride	7.801	117	66	1.964	ug/l #	12
64) Tetrachloroethene	10.727	164	45	2.365	ug/l #	1
68) m/p-Xylenes	11.709	106	46	1.202	ug/l	76
76) 1,2,3-Trichloropropane	12.489	75	459	95.300	ug/l #	100
78) n-propylbenzene	12.684	91	117	2.845	ug/l #	74
79) 2-Chlorotoluene	12.770	91	91	4.043	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.825	105	47	1.700	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.489	75	459	188.833	ug/l #	7
82) 4-Chlorotoluene	12.867	91	40	1.700	ug/l #	41
83) tert-Butylbenzene	13.081	119	55	2.290	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.117	105	82	2.970	ug/l	78
85) sec-Butylbenzene	13.251	105	128	3.579	ug/l #	56
87) 1,3-Dichlorobenzene	13.373	146	33	2.157	ug/l #	25
88) 1,4-Dichlorobenzene	13.373	146	33	2.186	ug/l #	25
89) n-Butylbenzene	13.703	91	90	3.151	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.013	180	20	2.318	ug/l #	13
95) Naphthalene	15.239	128	96	6.016	ug/l #	68

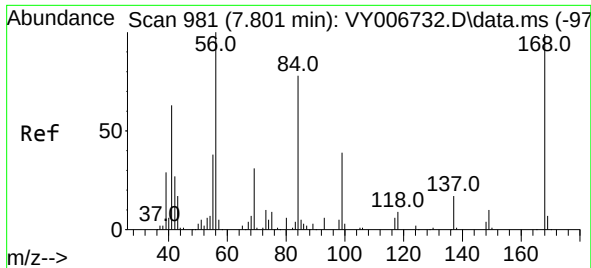
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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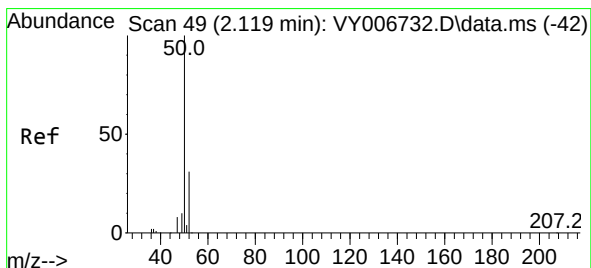
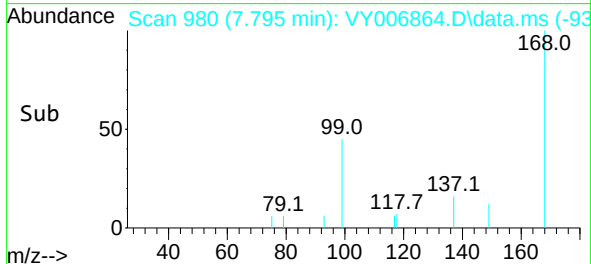
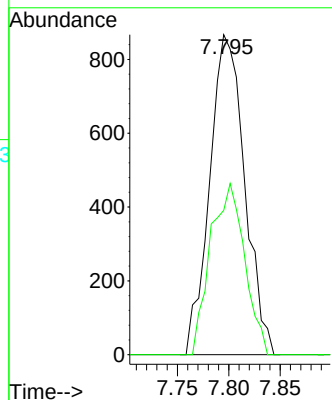
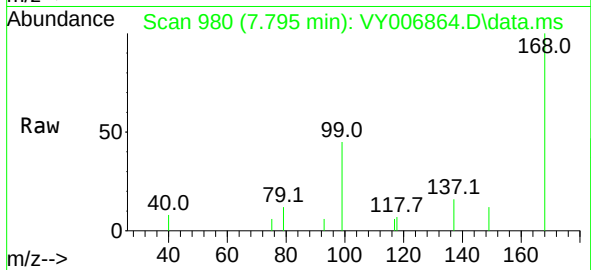




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

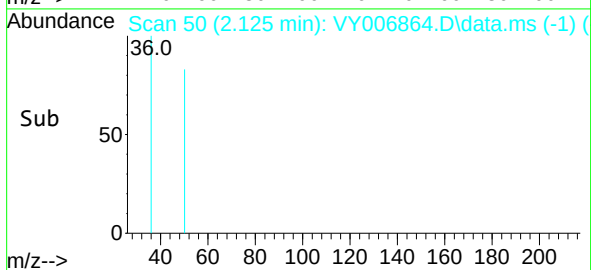
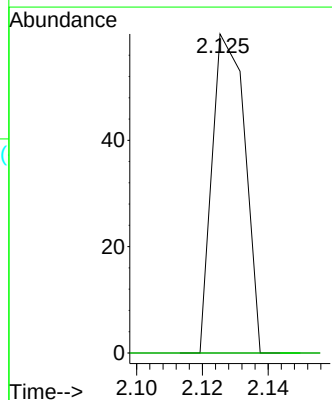
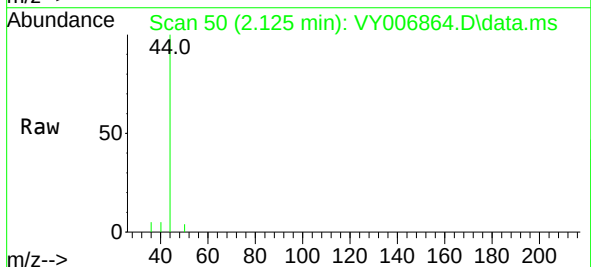
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 2052
Ion Ratio Lower Upper
168 100
99 45.1 44.8 67.2

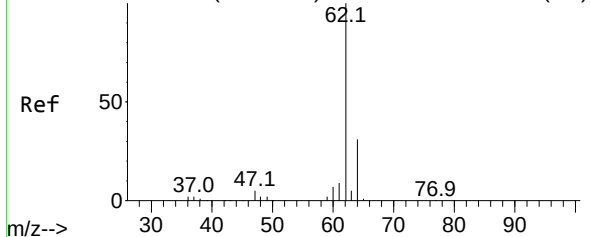


#3
Chloromethane
Concen: 1.383 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Tgt Ion: 50 Resp: 41
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



Abundance Scan 72 (2.260 min): VY006732.D\data.ms (-64)



#4

Vinyl Chloride

Concen: 4.784 ug/l

RT: 2.290 min Scan# 71

Delta R.T. 0.030 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

Instrument :

MSVOA_Y

ClientSampleId :

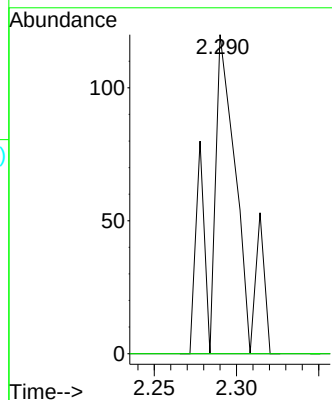
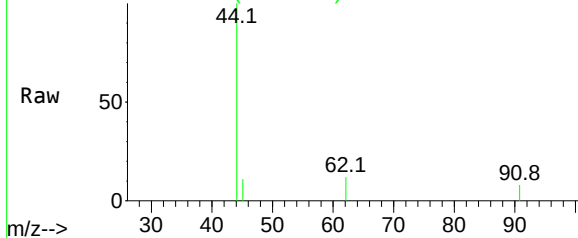
Tgt Ion: 62 Resp: 144

Ion Ratio Lower Upper

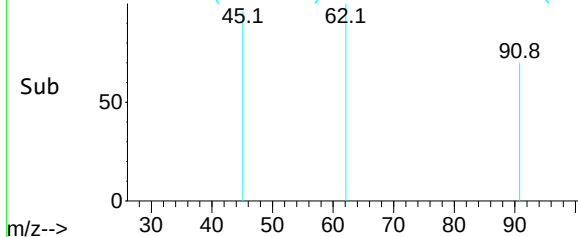
62 100

64 0.0 24.7 37.1#

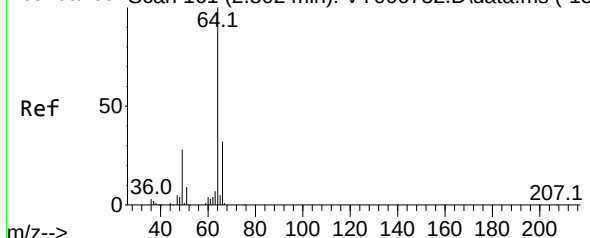
Abundance Scan 77 (2.290 min): VY006864.D\data.ms



Abundance Scan 77 (2.290 min): VY006864.D\data.ms (-23)



Abundance Scan 161 (2.802 min): VY006732.D\data.ms (-15)



#6

Chloroethane

Concen: 2.390 ug/l

RT: 2.772 min Scan# 156

Delta R.T. -0.031 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

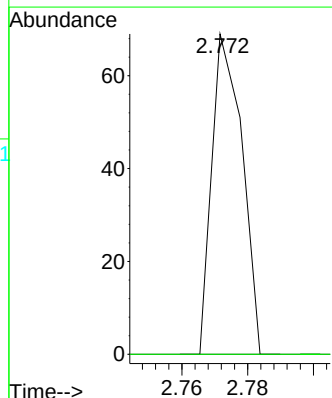
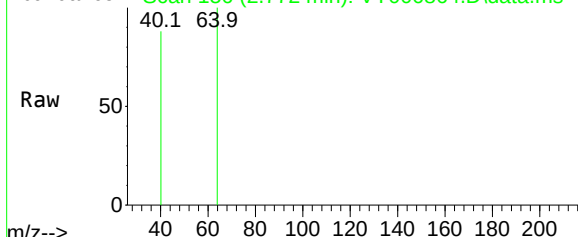
Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

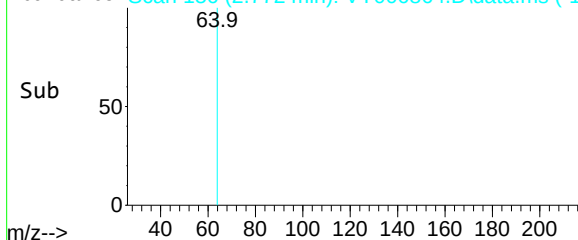
64 100

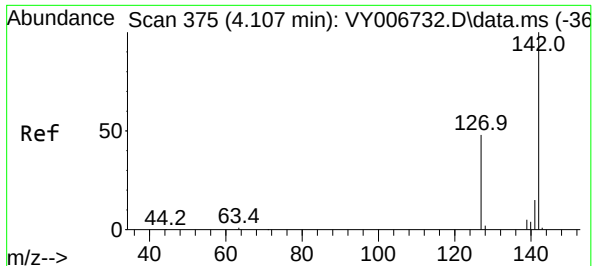
66 0.0 23.8 35.6#

Abundance Scan 156 (2.772 min): VY006864.D\data.ms



Abundance Scan 156 (2.772 min): VY006864.D\data.ms (-11)





#10

Methyl Iodide

Concen: 2.116 ug/l

RT: 4.125 min Scan# 31

Delta R.T. 0.018 min

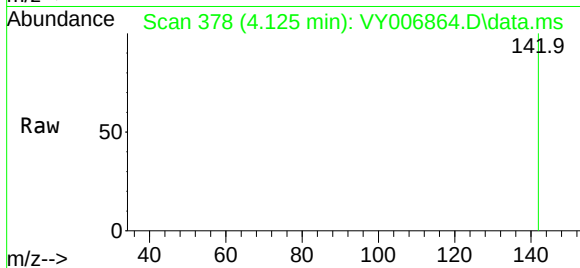
Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

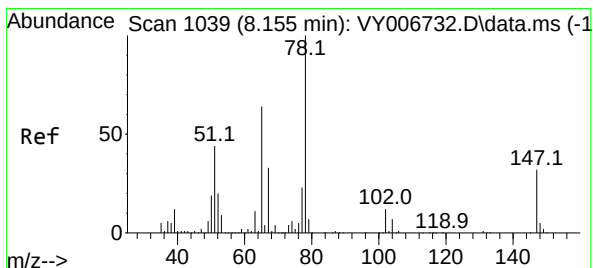
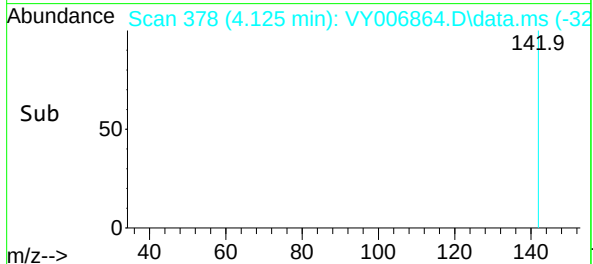
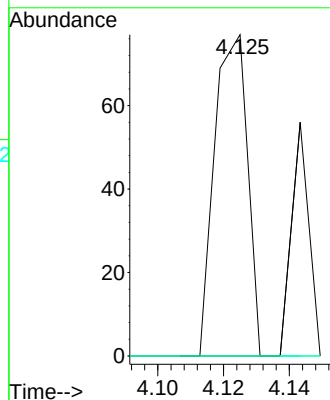
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	53
Ion	Ratio	Lower	Upper
142	100		
127	0.0	40.1	60.1#
141	0.0	12.5	18.7#



#33

1,2-Dichloroethane-d4

Concen: 56.444 ug/l

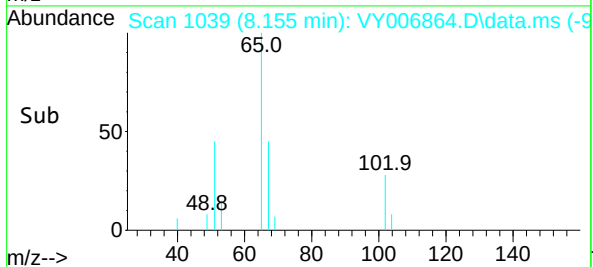
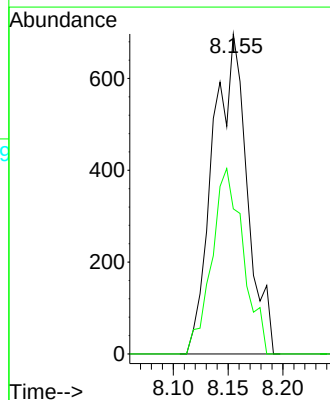
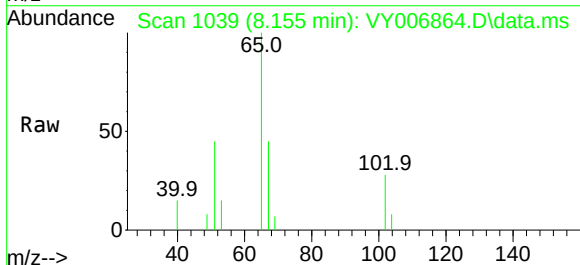
RT: 8.155 min Scan# 1039

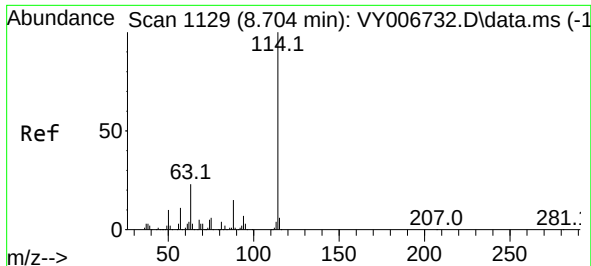
Delta R.T. -0.000 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

Tgt Ion:	65	Resp:	1518
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

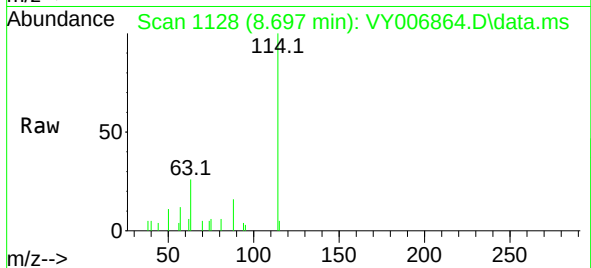
Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

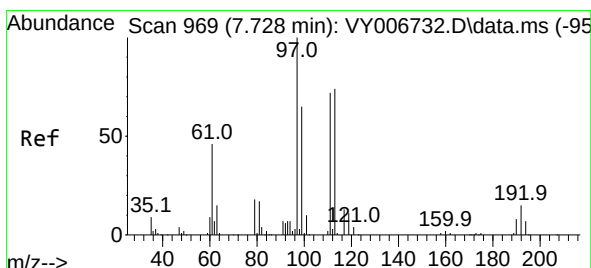
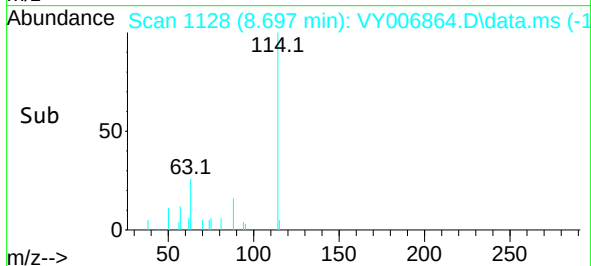
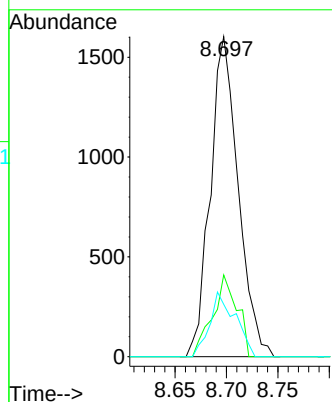
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	114	Resp:	3022
Ion Ratio	Lower	Upper	
114	100		
63	25.6	0.0	45.0
88	16.3	0.0	30.6



#35

Dibromofluoromethane

Concen: 42.721 ug/l

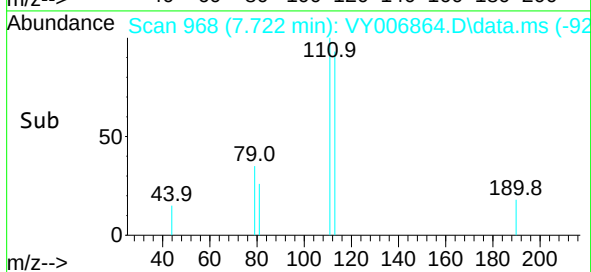
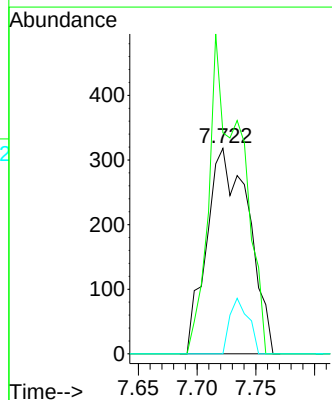
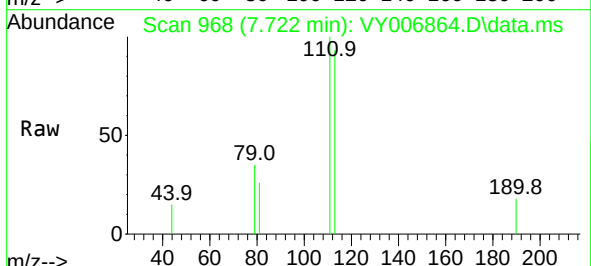
RT: 7.722 min Scan# 968

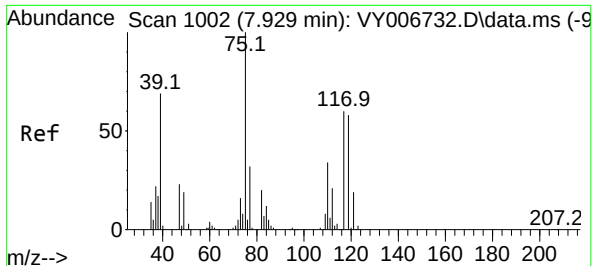
Delta R.T. -0.006 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

Tgt Ion:	113	Resp:	793
Ion Ratio	Lower	Upper	
113	100		
111	117.4	82.3	123.5
192	12.0	17.4	26.2





#36

1,1-Dichloropropene

Concen: 5.541 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

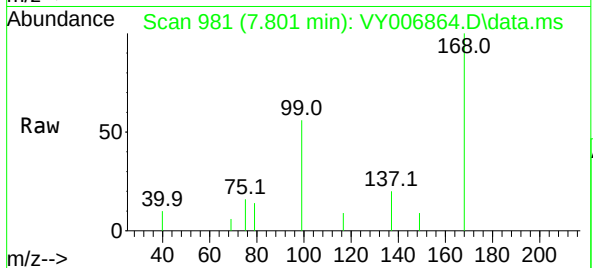
Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

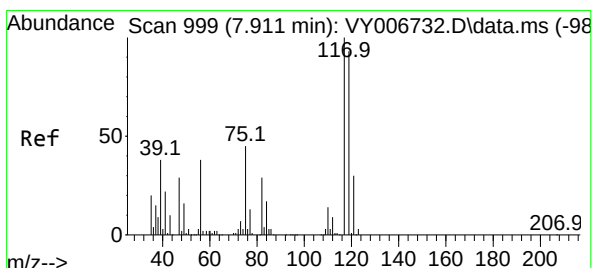
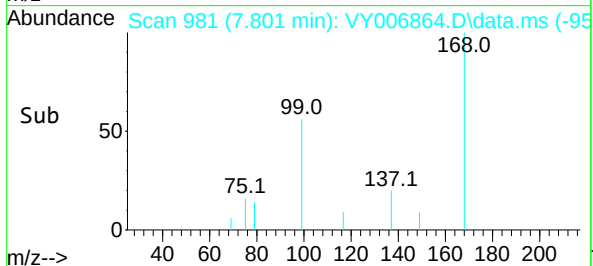
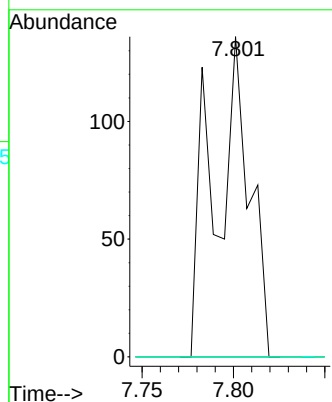
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp:	182
Ion Ratio	Lower	Upper
75	100	
110	0.0	17.1 51.3#
77	0.0	24.9 37.3#



#38

Carbon Tetrachloride

Concen: 1.964 ug/l

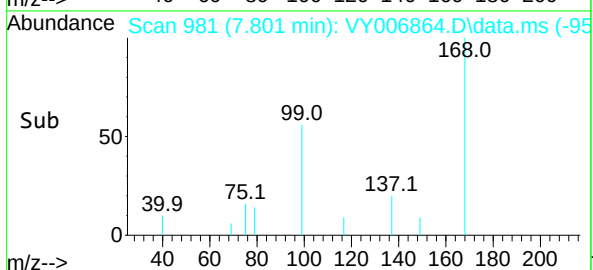
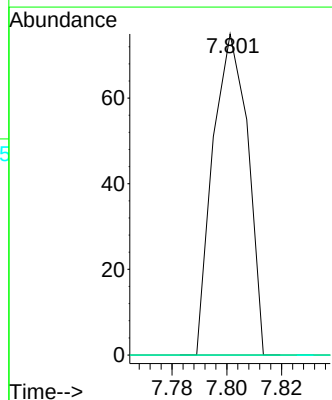
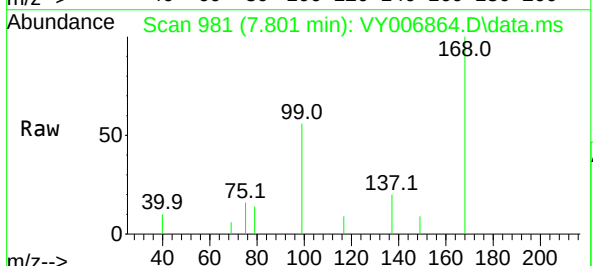
RT: 7.801 min Scan# 981

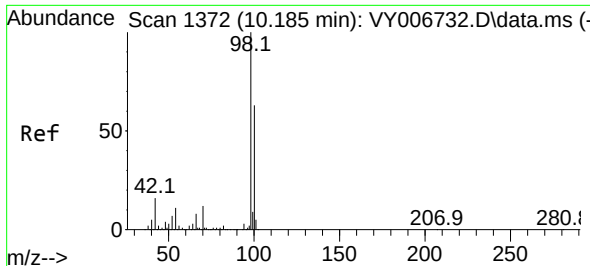
Delta R.T. -0.110 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

Tgt Ion: 117	Resp:	66
Ion Ratio	Lower	Upper
117	100	
119	0.0	76.6 115.0#
121	0.0	24.7 37.1#

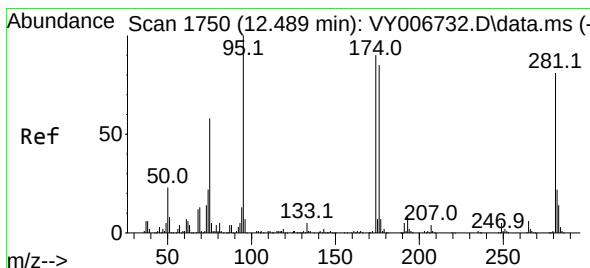
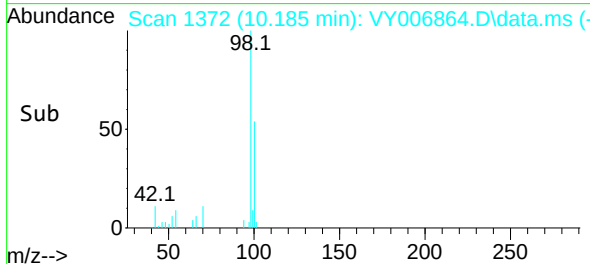
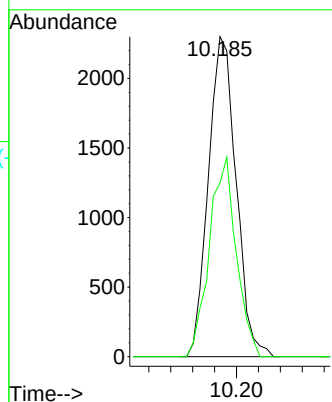
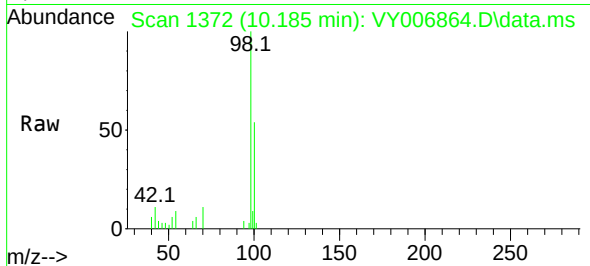




#50
Toluene-d8
Concen: 52.608 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

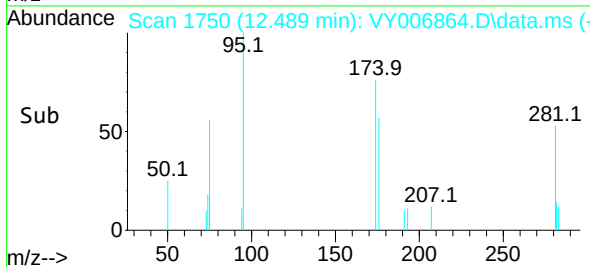
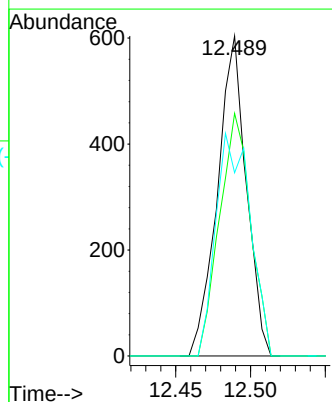
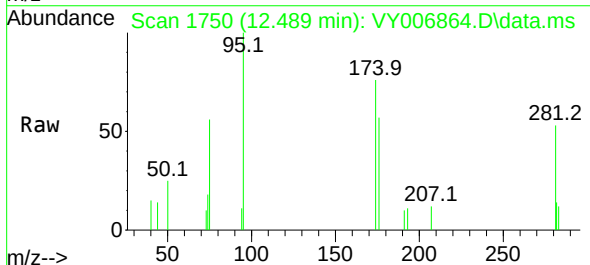
Instrument :
MSVOA_Y
ClientSampleId :

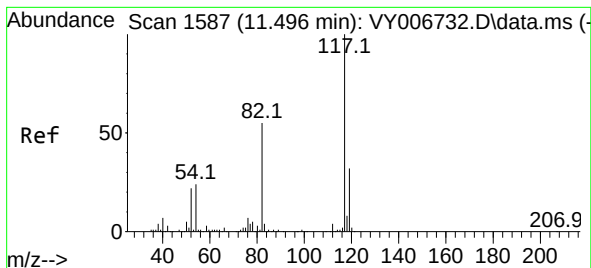
Tgt Ion: 98 Resp: 4041
Ion Ratio Lower Upper
98 100
100 60.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 31.241 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Tgt Ion: 95 Resp: 809
Ion Ratio Lower Upper
95 100
174 81.7 0.0 177.0
176 82.9 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.000 min

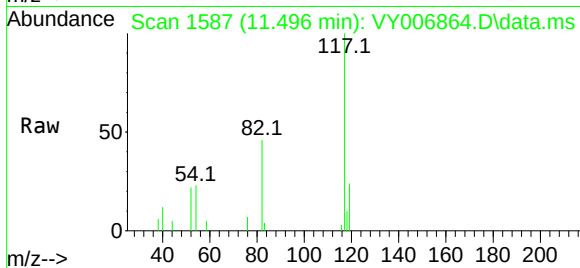
Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

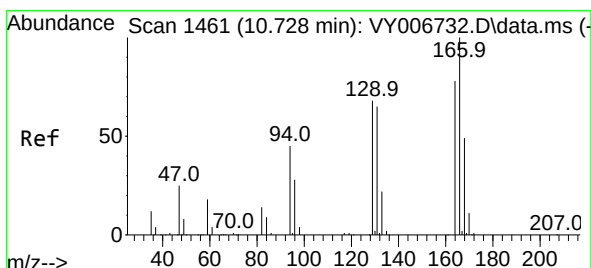
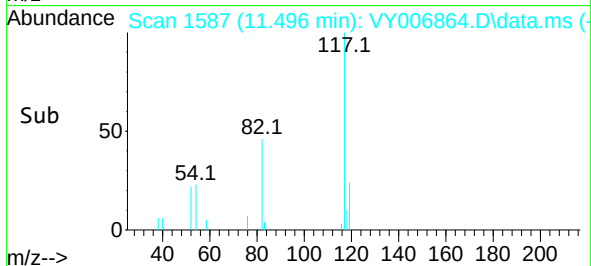
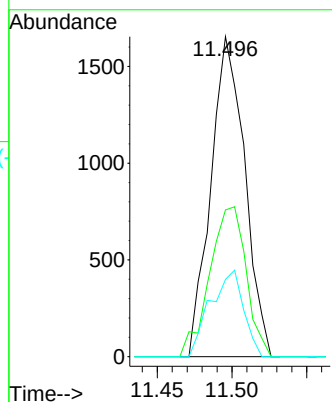
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	2604
Ion	Ratio	Lower	Upper
117	100		
82	45.8	45.7	68.5
119	24.1	25.5	38.3#



#64

Tetrachloroethene

Concen: 2.365 ug/l

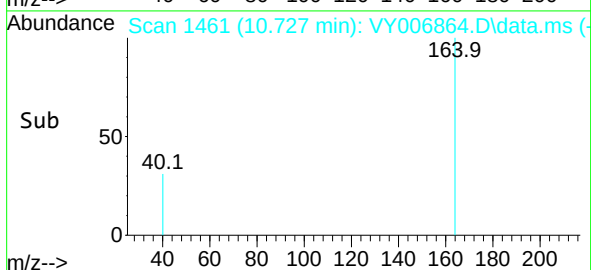
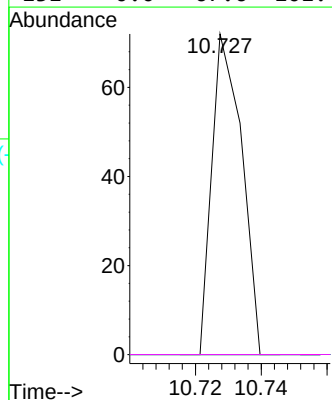
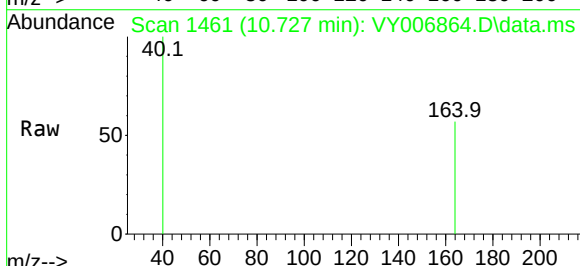
RT: 10.727 min Scan# 1461

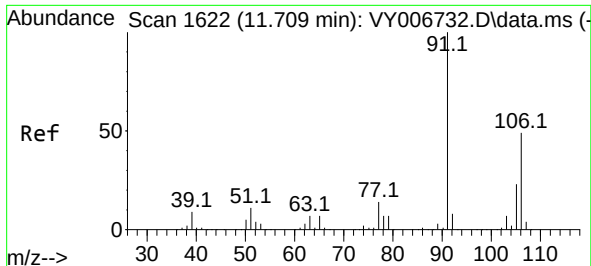
Delta R.T. -0.000 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

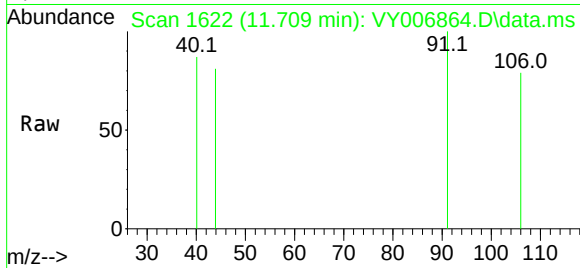
Tgt Ion:	164	Resp:	45
Ion	Ratio	Lower	Upper
164	100		
166	0.0	103.3	154.9#
129	0.0	71.2	106.8#
131	0.0	67.6	101.4#



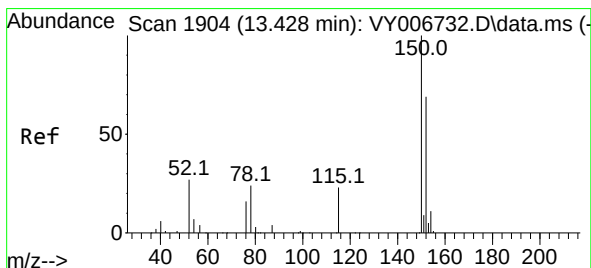
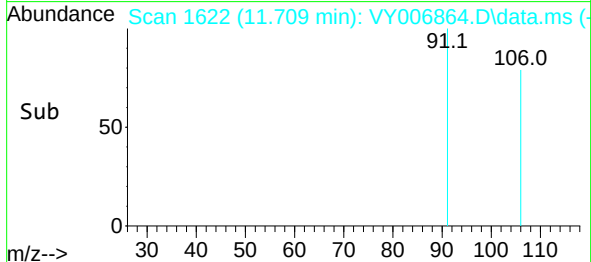
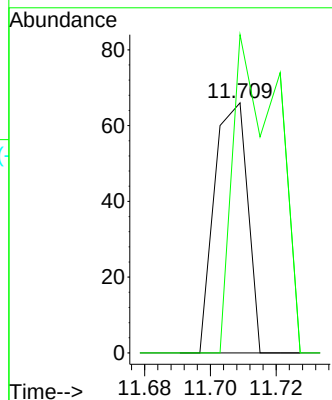


#68
m/p-Xylenes
Concen: 1.202 ug/l
RT: 11.709 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Instrument :
MSVOA_Y
ClientSampleId :

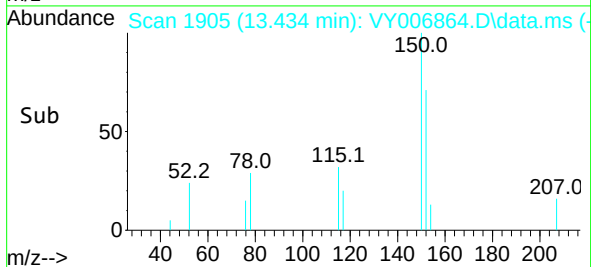
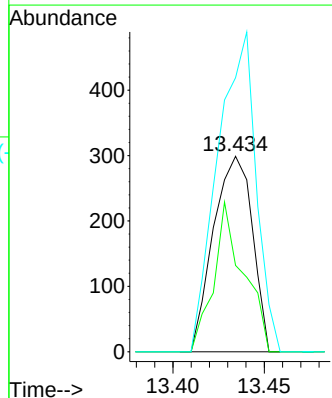
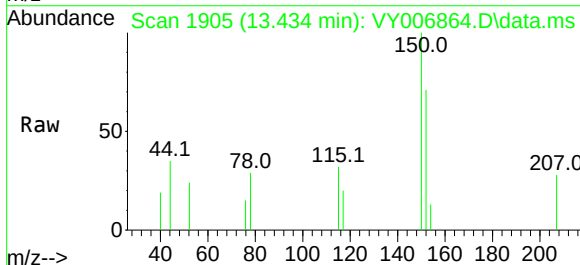


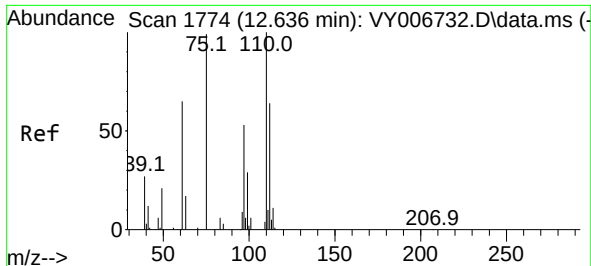
Tgt Ion:106 Resp: 46
Ion Ratio Lower Upper
106 100
91 171.7 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Tgt Ion:152 Resp: 443
Ion Ratio Lower Upper
152 100
115 58.9 28.5 85.5
150 160.9 0.0 348.2

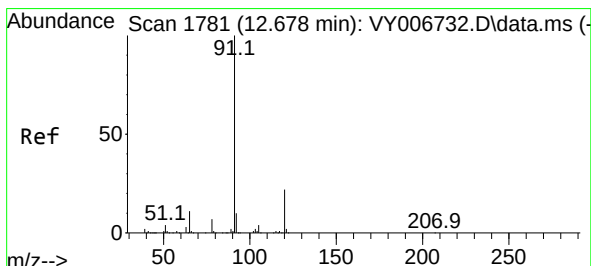
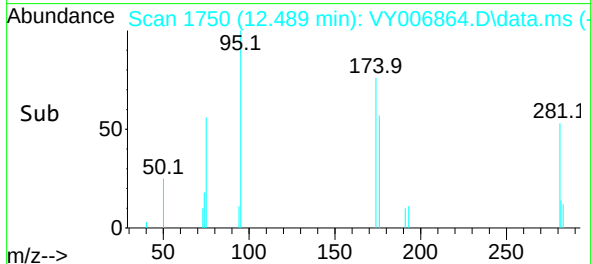
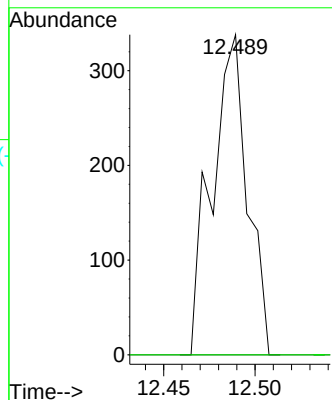
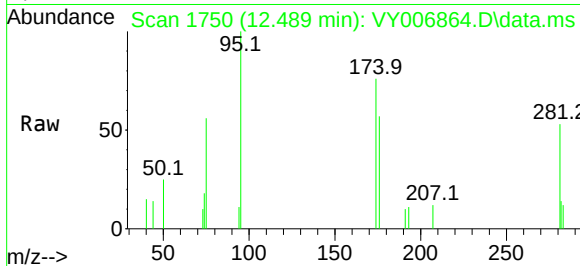




#76
1,2,3-Trichloropropane
Concen: 95.300 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

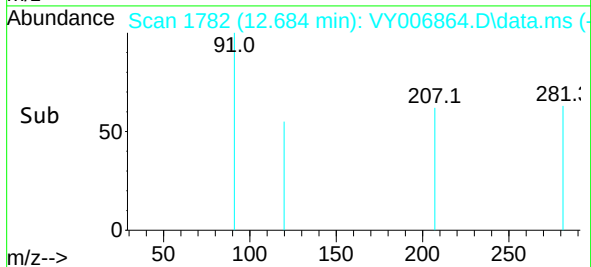
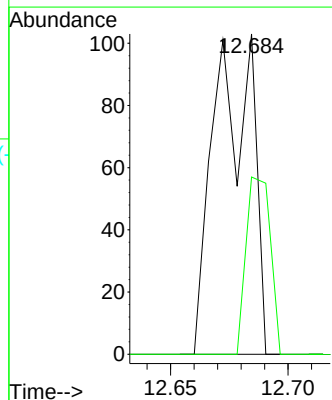
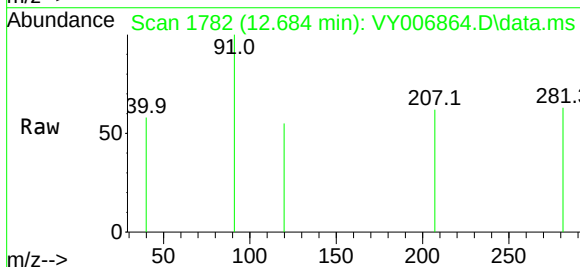
Instrument :
MSVOA_Y
ClientSampleId :

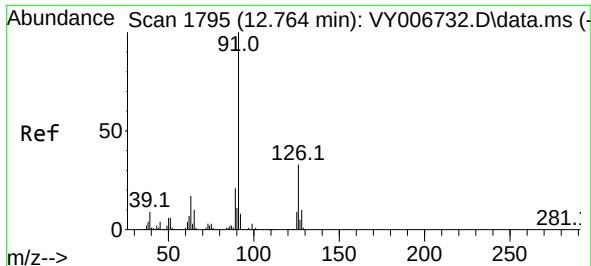
Tgt Ion: 75 Resp: 459
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 2.845 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Tgt Ion: 91 Resp: 117
Ion Ratio Lower Upper
91 100
120 35.0 11.3 33.8#

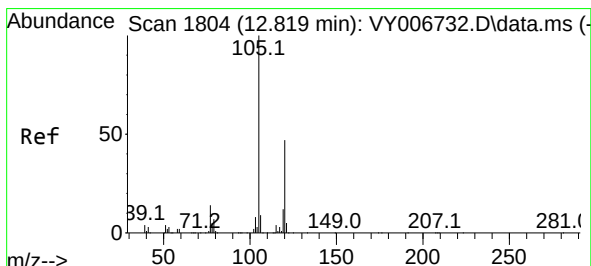
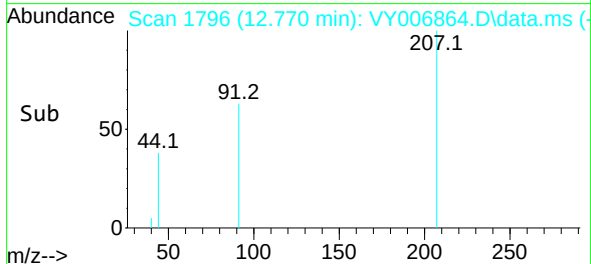
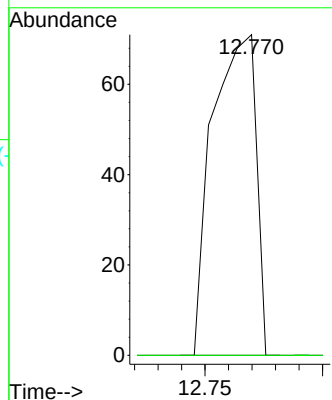
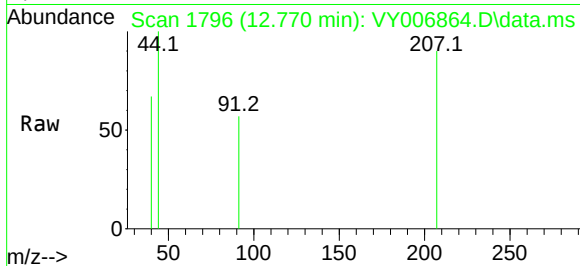




#79
2-Chlorotoluene
Concen: 4.043 ug/l
RT: 12.770 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

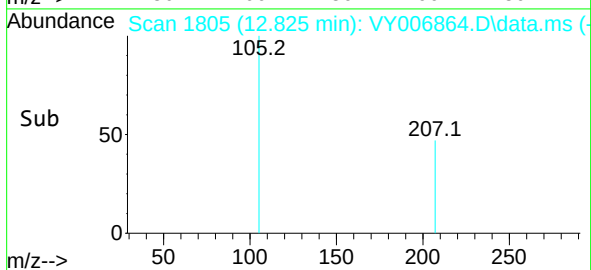
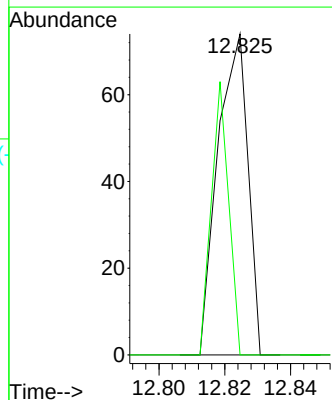
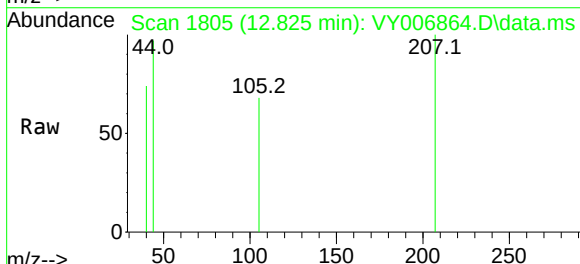
Instrument :
MSVOA_Y
ClientSampleId :

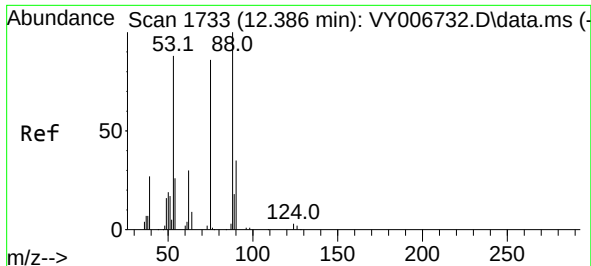
Tgt Ion: 91 Resp: 91
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.700 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Tgt Ion: 105 Resp: 47
Ion Ratio Lower Upper
105 100
120 48.9 24.1 72.4

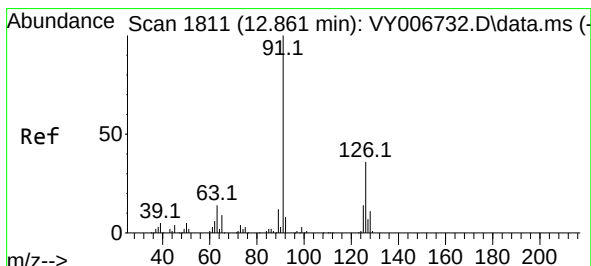
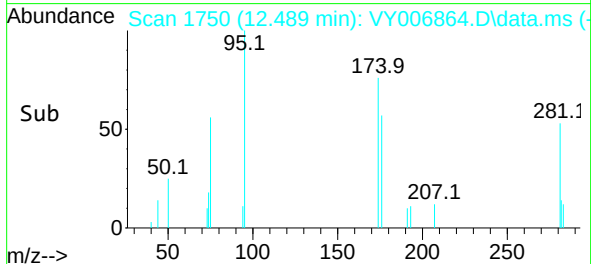
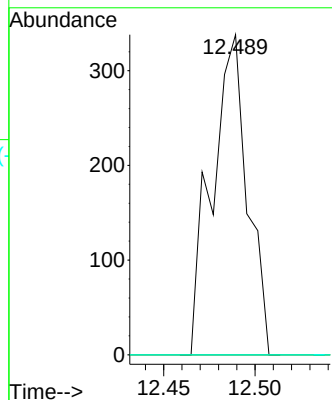
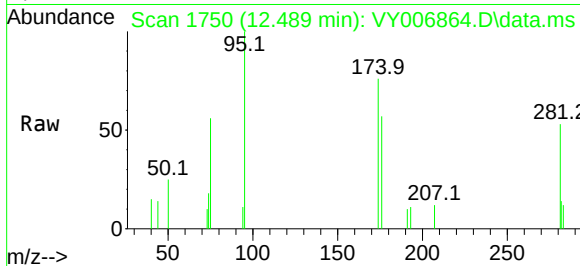




#81
trans-1,4-Dichloro-2-butene
Concen: 188.833 ug/l
RT: 12.489 min Scan# 1733
Delta R.T. 0.104 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

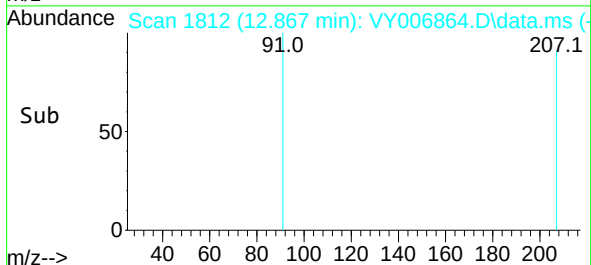
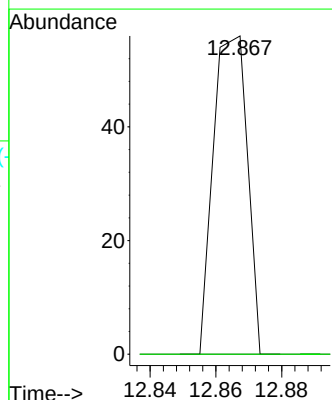
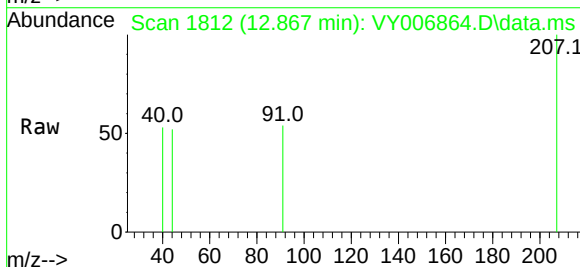
Instrument :
MSVOA_Y
ClientSampleId :

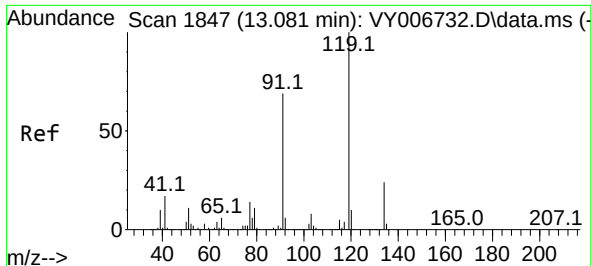
Tgt Ion: 75 Resp: 459
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 1.700 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

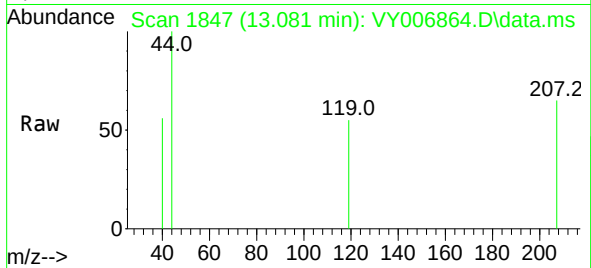
Tgt Ion: 91 Resp: 40
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#



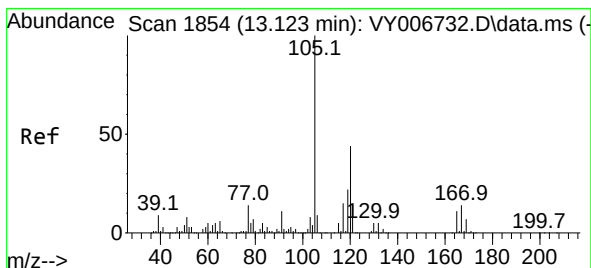
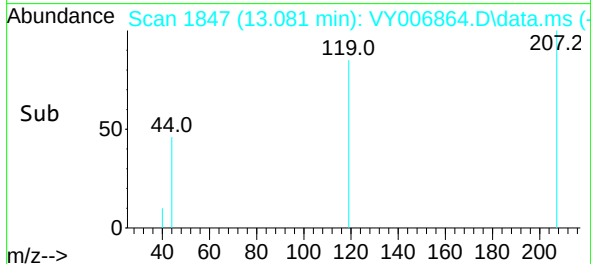
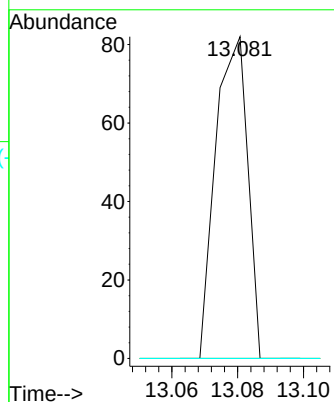


#83
 tert-Butylbenzene
 Concen: 2.290 ug/l
 RT: 13.081 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VY006864.D
 Acq: 23 Nov 2021 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :

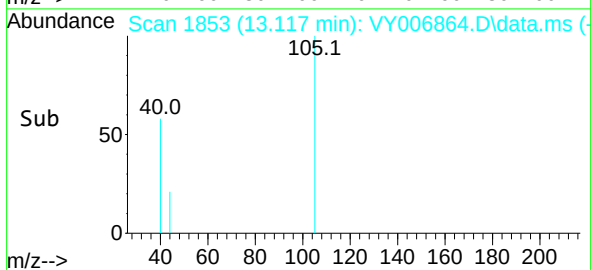
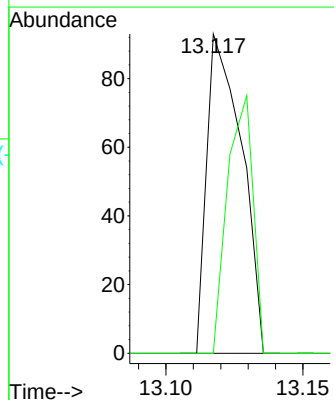
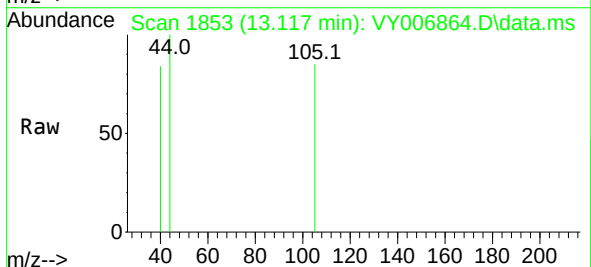


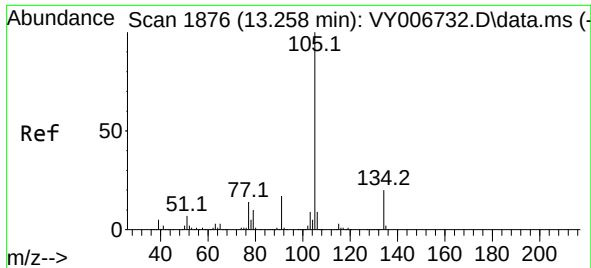
Tgt Ion:119 Resp: 55
 Ion Ratio Lower Upper
 119 100
 91 0.0 34.8 104.5#
 134 0.0 13.0 38.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.970 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY006864.D
 Acq: 23 Nov 2021 12:43

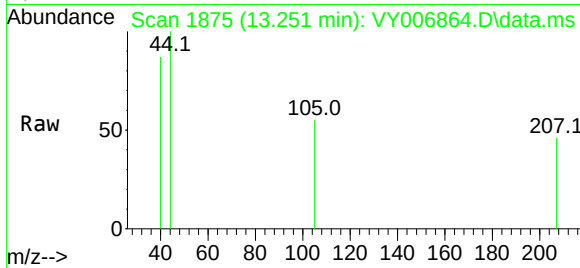
Tgt Ion:105 Resp: 82
 Ion Ratio Lower Upper
 105 100
 120 59.8 22.6 67.8



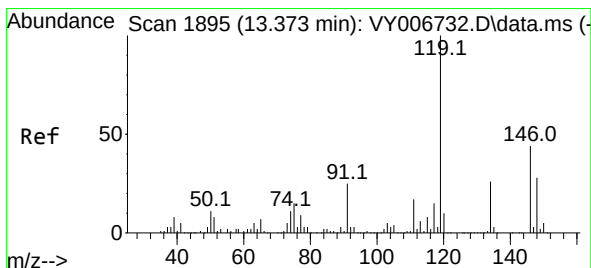
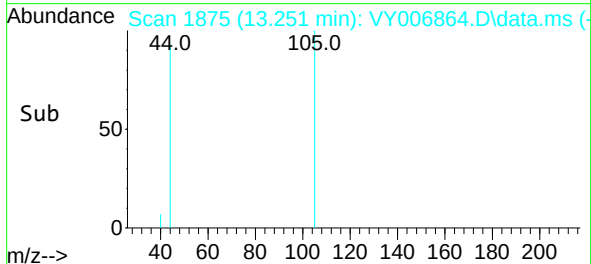
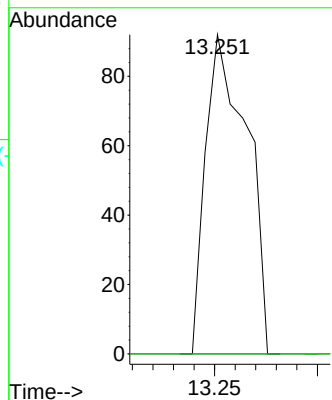


#85
 sec-Butylbenzene
 Concen: 3.579 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY006864.D
 Acq: 23 Nov 2021 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :

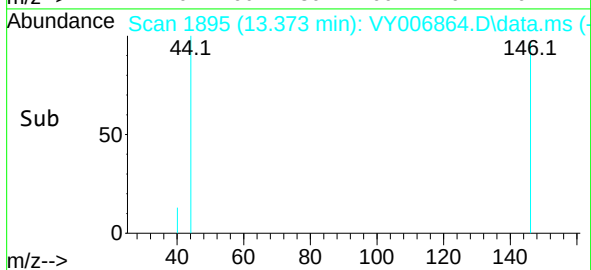
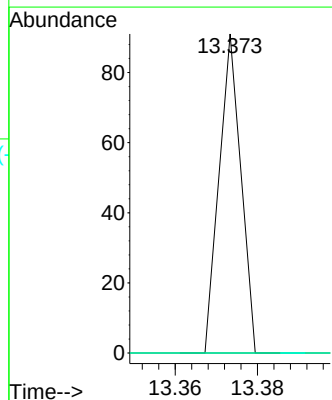
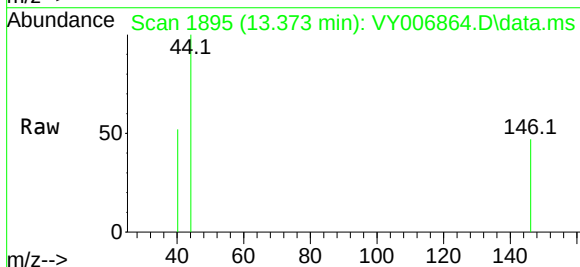


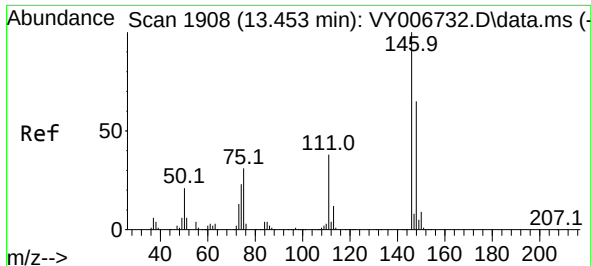
Tgt Ion:105 Resp: 128
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#87
 1,3-Dichlorobenzene
 Concen: 2.157 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.000 min
 Lab File: VY006864.D
 Acq: 23 Nov 2021 12:43

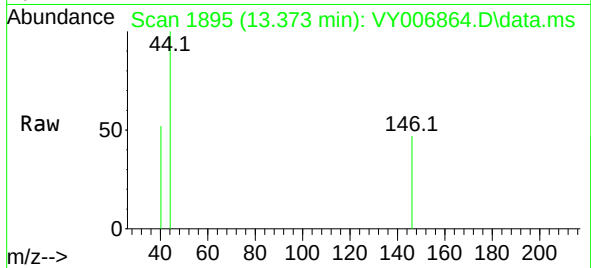
Tgt Ion:146 Resp: 33
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.3 57.9#
 148 0.0 31.9 95.7#



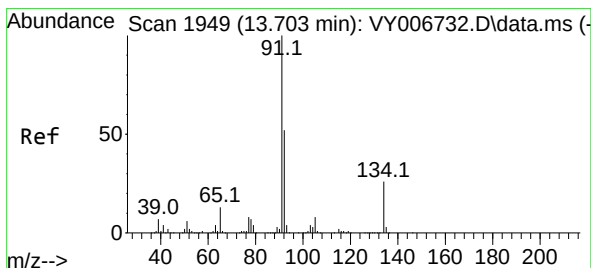
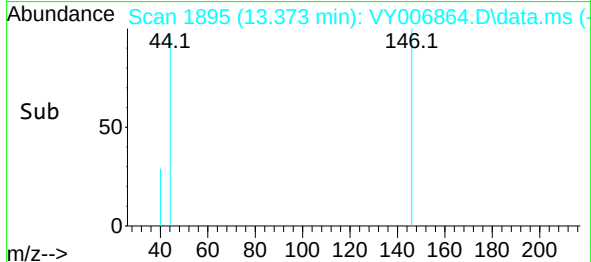
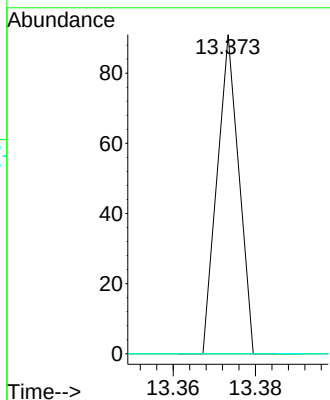


#88
1,4-Dichlorobenzene
Concen: 2.186 ug/l
RT: 13.373 min Scan# 11
Delta R.T. -0.079 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Instrument :
MSVOA_Y
ClientSampleId :

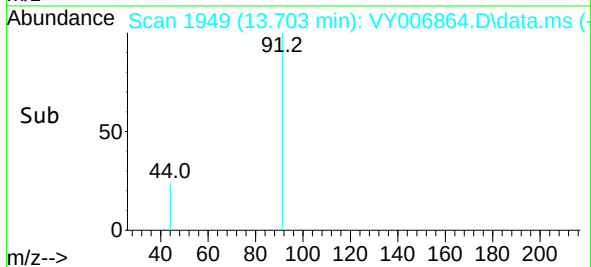
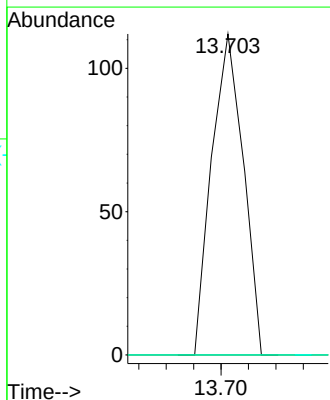
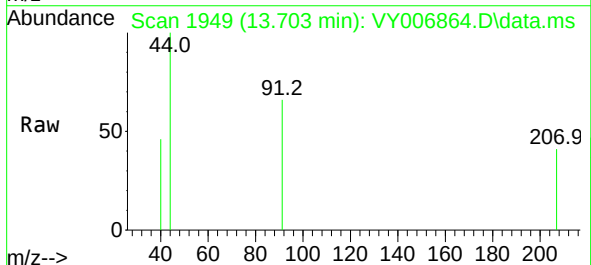


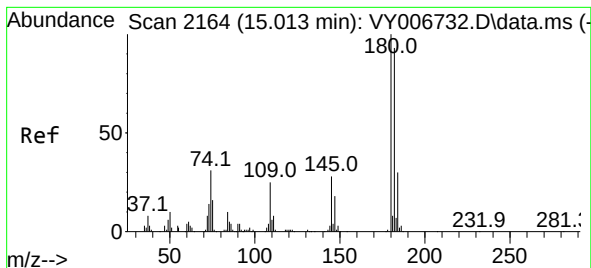
Tgt Ion:146 Resp: 33
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.5#
148 0.0 32.0 96.2#



#89
n-Butylbenzene
Concen: 3.151 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VY006864.D
Acq: 23 Nov 2021 12:43

Tgt Ion: 91 Resp: 90
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.9#
134 0.0 12.9 38.7#





#93

1,2,4-Trichlorobenzene

Concen: 2.318 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.000 min

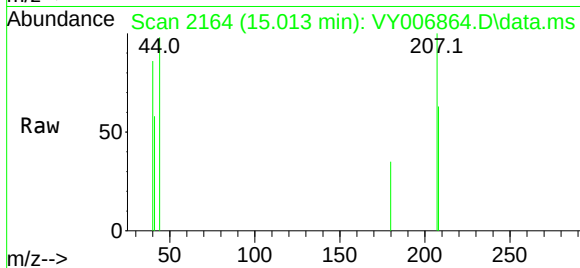
Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

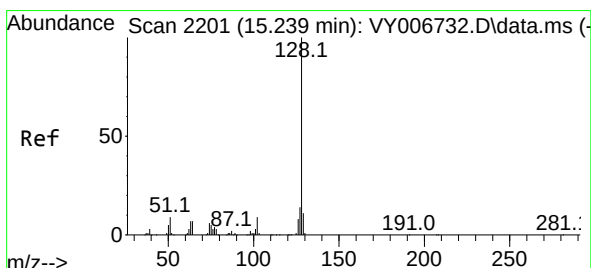
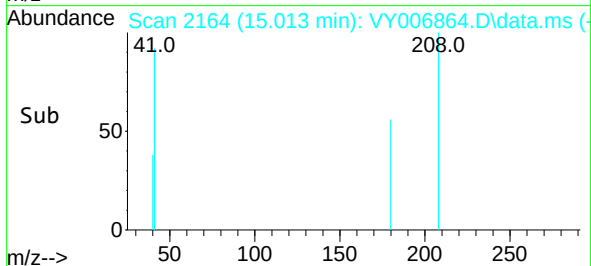
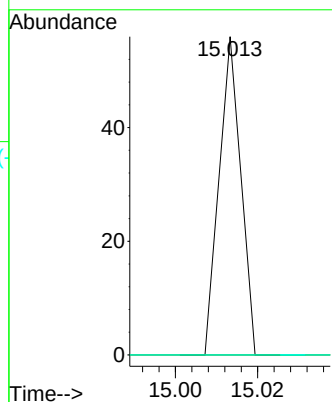
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180	Resp:	20
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.1 141.4#
145	0.0	14.5 43.6#



#95

Naphthalene

Concen: 6.016 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY006864.D

Acq: 23 Nov 2021 12:43

Tgt Ion:128	Resp:	96
Ion Ratio	Lower	Upper
128	100	
127	0.0	11.0 16.4#
129	0.0	8.9 13.3#

