

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008446.D
 Acq On : 21 Apr 2022 17:25
 Operator : KP/MD
 Sample : N2476-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 05:26:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

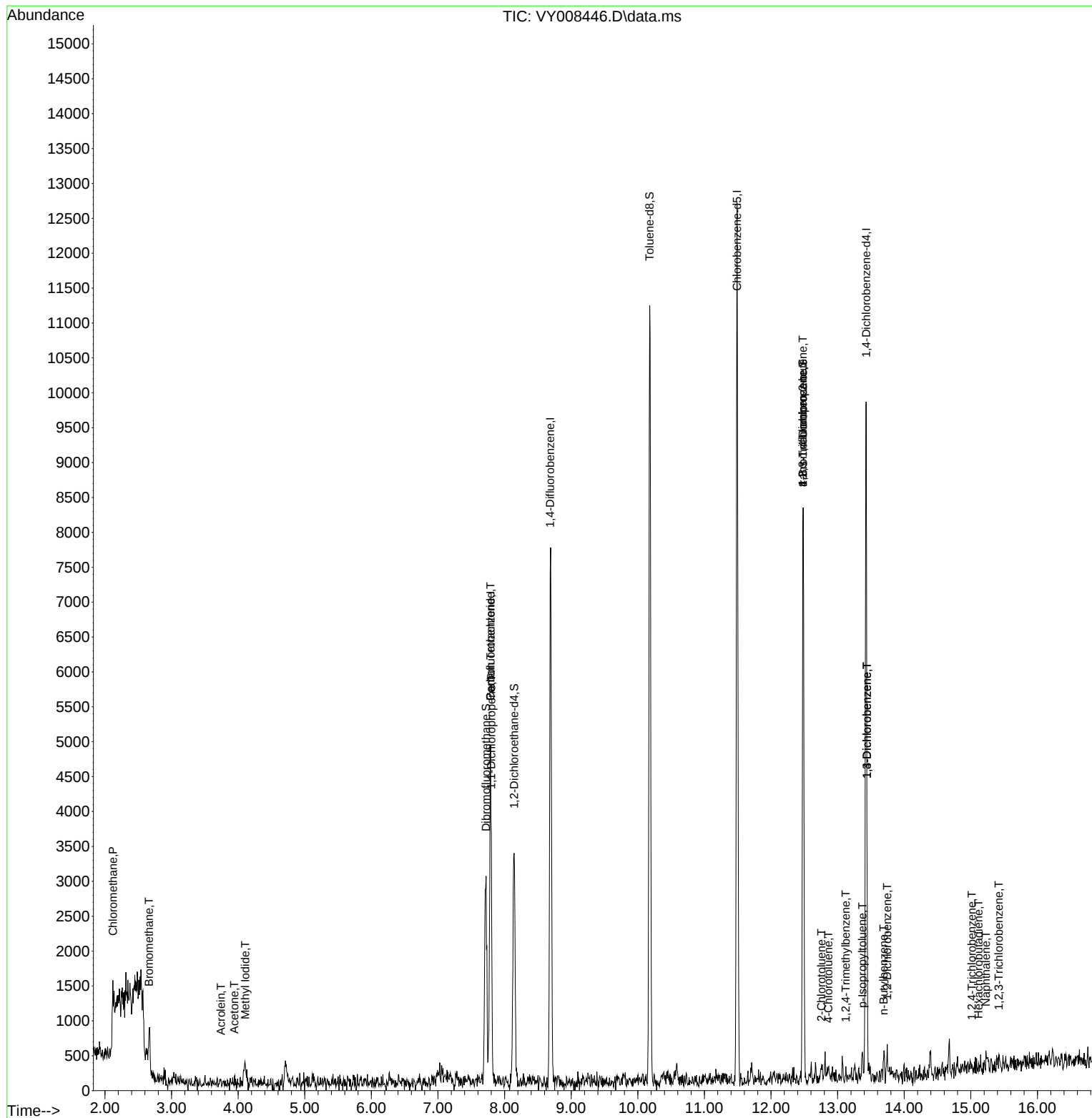
Internal Standards						
1) Pentafluorobenzene	7.789	168	4003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	7100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2680	56.900	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.800%	
35) Dibromofluoromethane	7.722	113	2294	50.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.120%	
50) Toluene-d8	10.179	98	8219	45.225	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.460%	
62) 4-Bromofluorobenzene	12.477	95	2652	42.981	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	317	5.542	ug/l #	82
5) Bromomethane	2.662	94	375	5.426	ug/l	90
10) Methyl Iodide	4.107	142	503	9.739	ug/l #	77
13) Acrolein	3.741	56	25	4.985	ug/l #	14
16) Acetone	3.942	43	41	3.737	ug/l #	47
20) Methylene Chloride	4.716	84	244	Below Cal	#	54
36) 1,1-Dichloropropene	7.801	75	282	3.869	ug/l #	42
38) Carbon Tetrachloride	7.789	117	388	5.123	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	1457	42.055	ug/l #	100
79) 2-Chlorotoluene	12.758	91	181	1.321	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.477	75	1457	97.564	ug/l #	7
82) 4-Chlorotoluene	12.861	91	191	1.345	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	178	1.065	ug/l #	31
86) p-Isopropyltoluene	13.373	119	219	1.185	ug/l #	50
87) 1,3-Dichlorobenzene	13.440	146	158	1.594	ug/l	87
88) 1,4-Dichlorobenzene	13.440	146	158	1.609	ug/l	88
89) n-Butylbenzene	13.690	91	225	1.341	ug/l #	76
91) 1,2-Dichlorobenzene	13.745	146	150	1.702	ug/l #	61
93) 1,2,4-Trichlorobenzene	15.013	180	129	2.630	ug/l #	44
94) Hexachlorobutadiene	15.117	225	27	1.128	ug/l #	19
95) Naphthalene	15.227	128	268	2.410	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	121	2.818	ug/l #	34

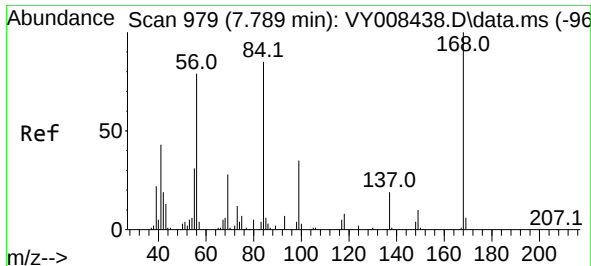
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
Data File : VY008446.D
Acq On : 21 Apr 2022 17:25
Operator : KP/MD
Sample : N2476-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

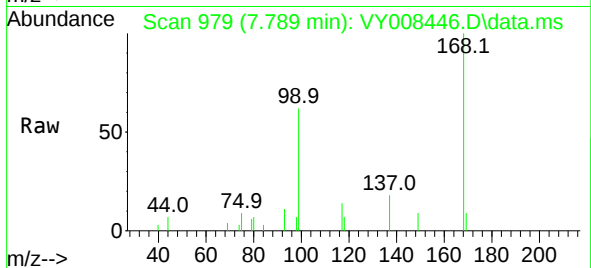
Quant Time: Apr 22 05:26:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration



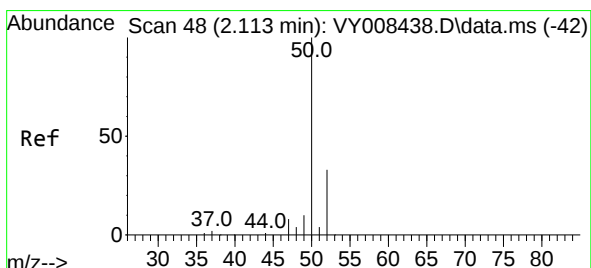
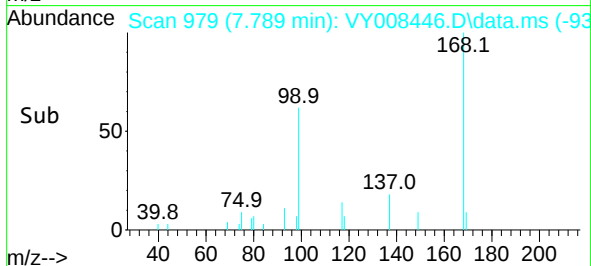
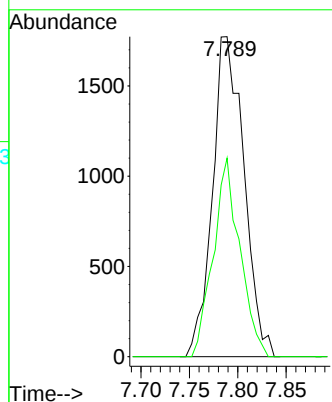


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

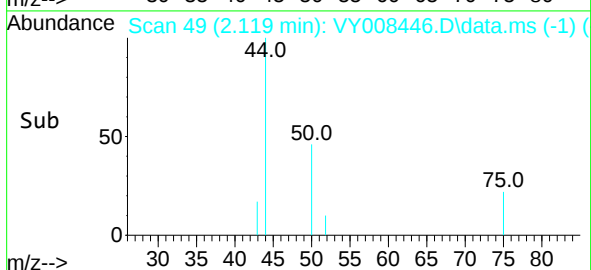
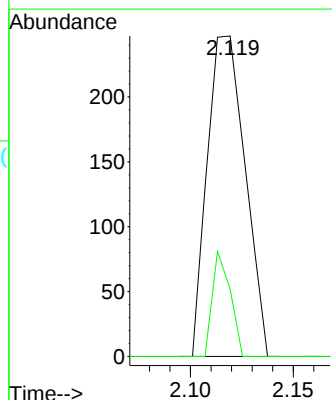
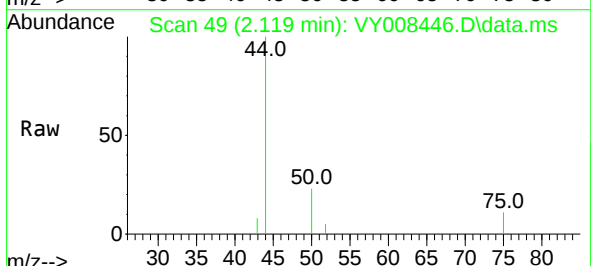


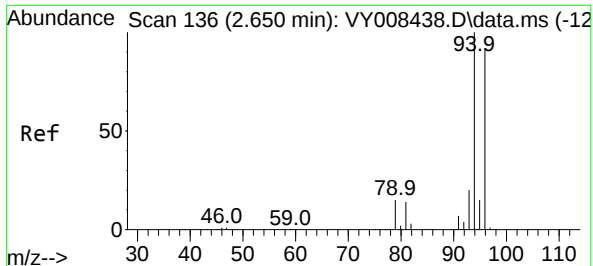
Tgt Ion:168 Resp: 4003
Ion Ratio Lower Upper
168 100
99 62.0 46.9 70.3



#3
Chloromethane
Concen: 5.542 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

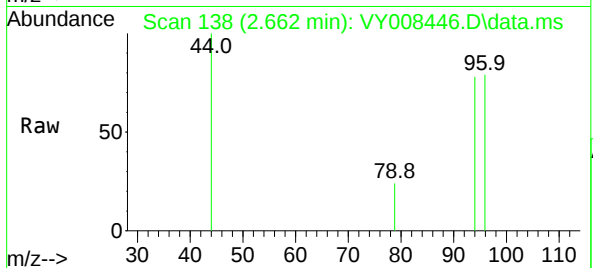
Tgt Ion: 50 Resp: 317
Ion Ratio Lower Upper
50 100
52 21.1 24.6 37.0#



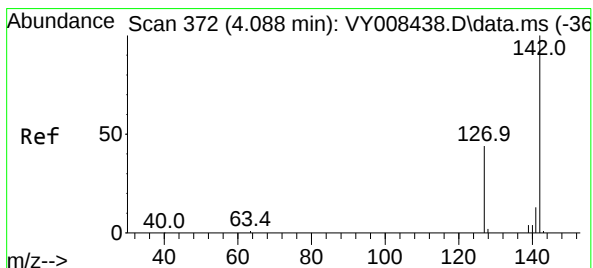
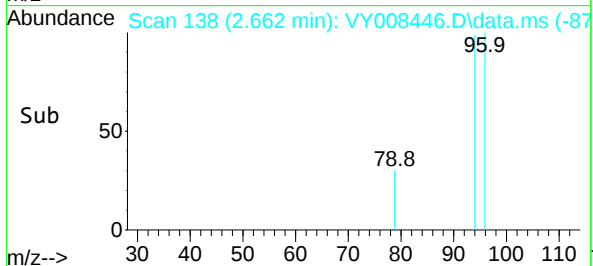
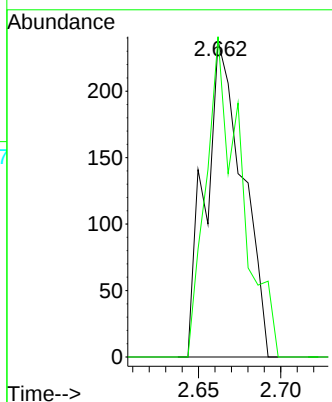


#5
Bromomethane
Concen: 5.426 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

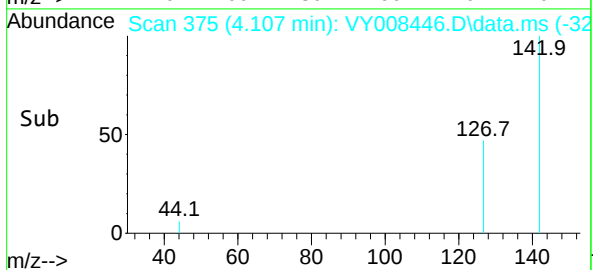
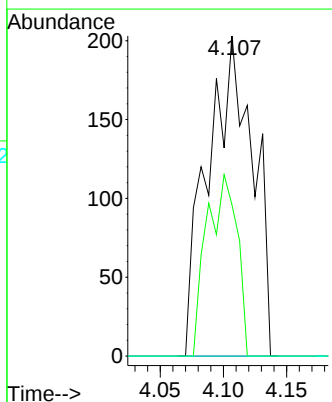
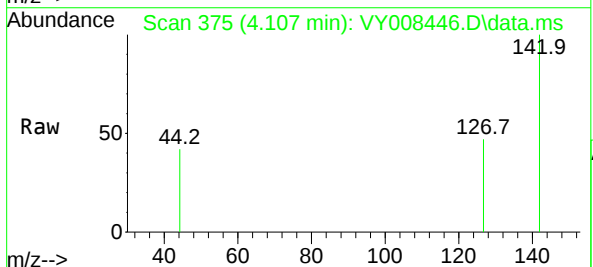


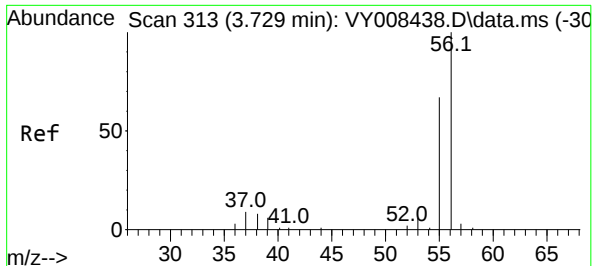
Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 101.3 73.5 110.3



#10
Methyl Iodide
Concen: 9.739 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

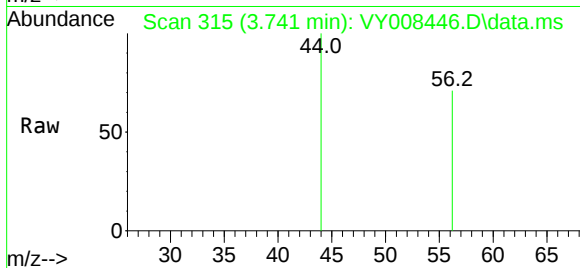
Tgt Ion:142 Resp: 503
Ion Ratio Lower Upper
142 100
127 38.0 41.5 62.3#
141 0.0 11.9 17.9#



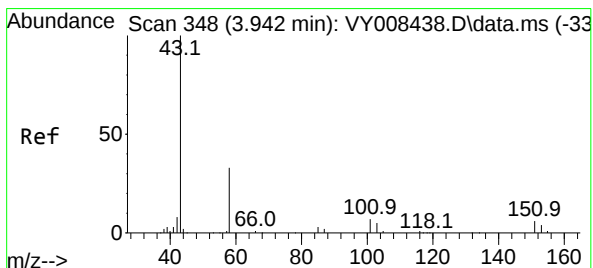
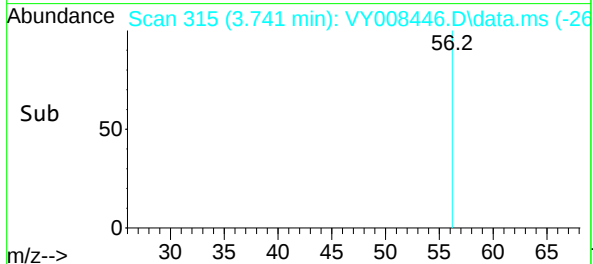
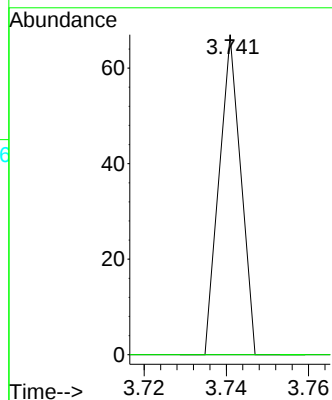


#13
Acrolein
Concen: 4.985 ug/l
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

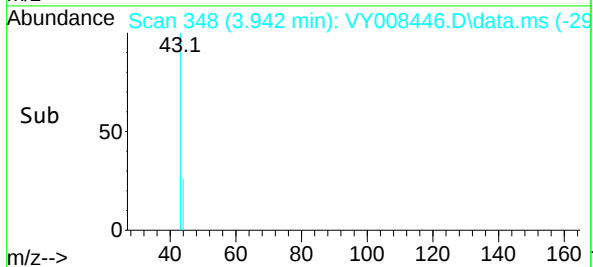
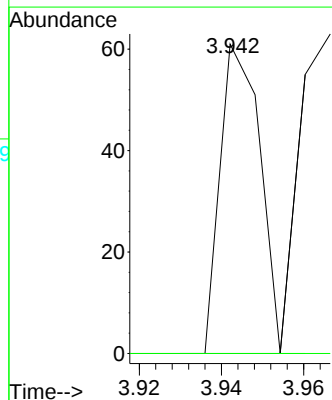
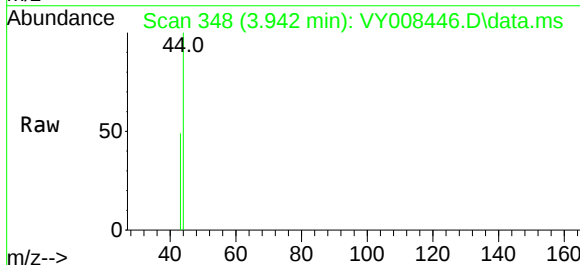


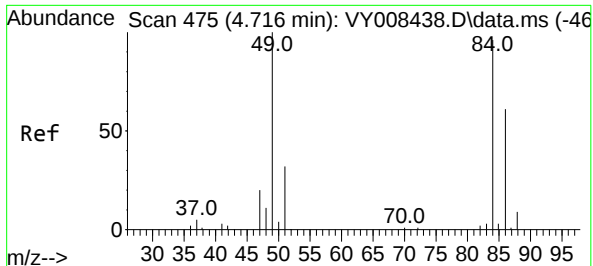
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 3.737 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

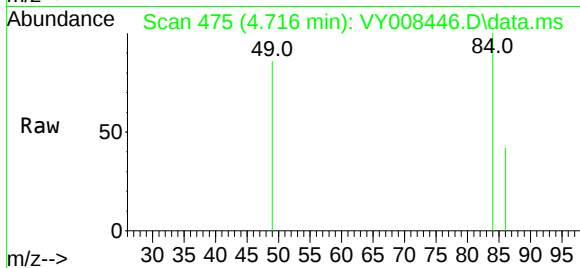
Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 244

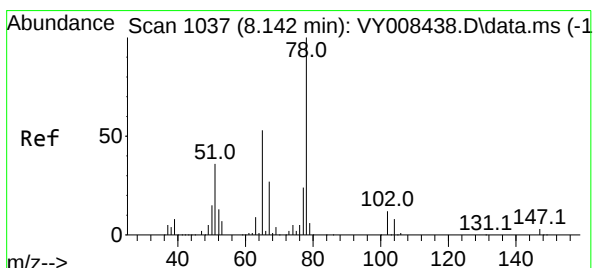
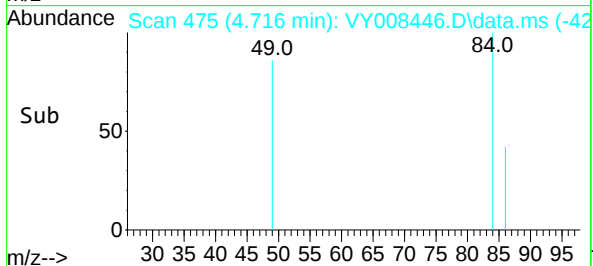
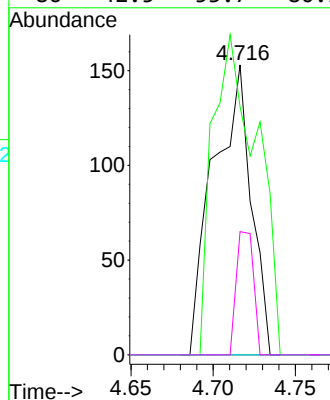
Ion Ratio Lower Upper

84 100

49 85.6 114.4 171.6#

51 0.0 35.3 52.9#

86 42.5 53.7 80.5#



#33

1,2-Dichloroethane-d4

Concen: 56.900 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008446.D

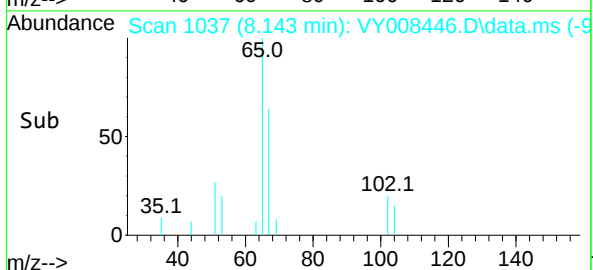
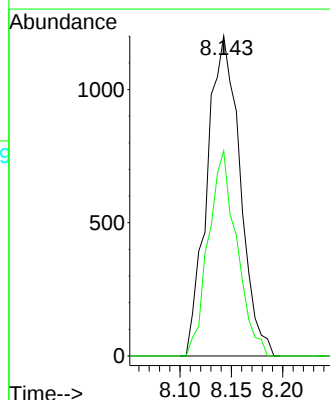
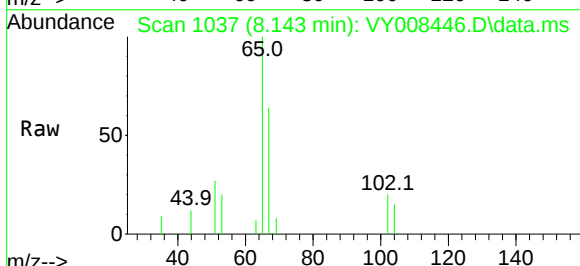
Acq: 21 Apr 2022 17:25

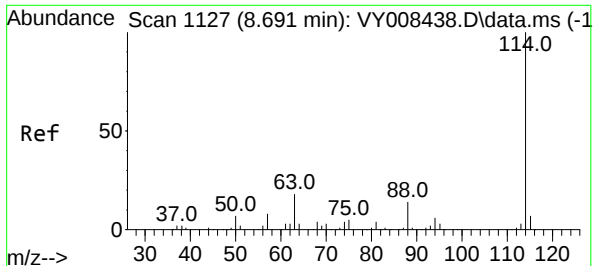
Tgt Ion: 65 Resp: 2680

Ion Ratio Lower Upper

65 100

67 55.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008446.D

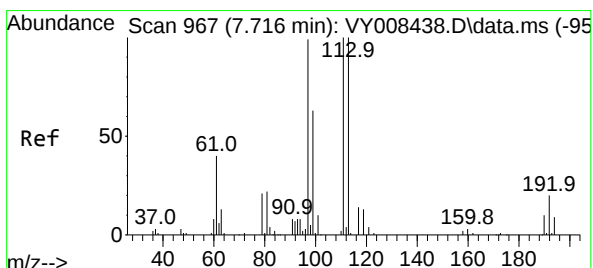
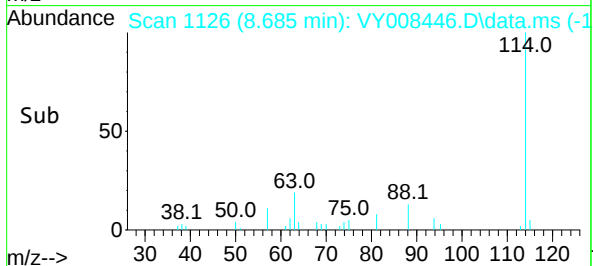
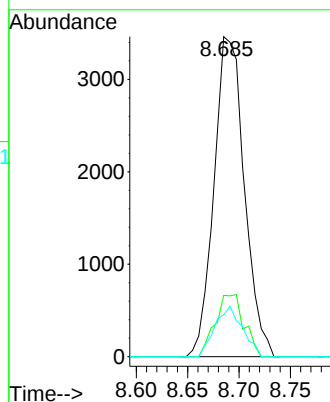
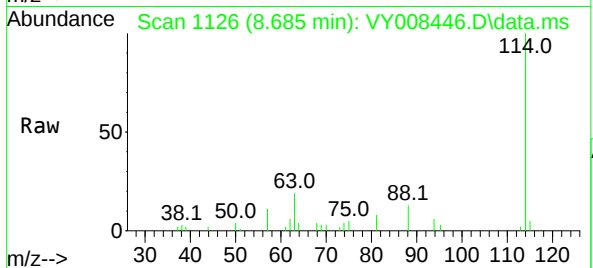
Acq: 21 Apr 2022 17:25

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	7100
Ion	Ratio	Lower Upper
114	100	
63	19.2	0.0 43.2
88	13.1	0.0 31.8



#35

Dibromofluoromethane

Concen: 50.063 ug/l

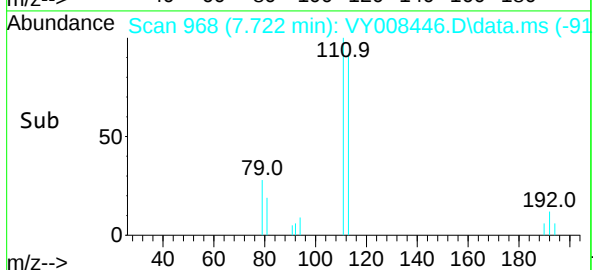
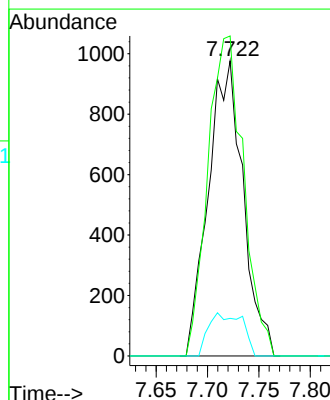
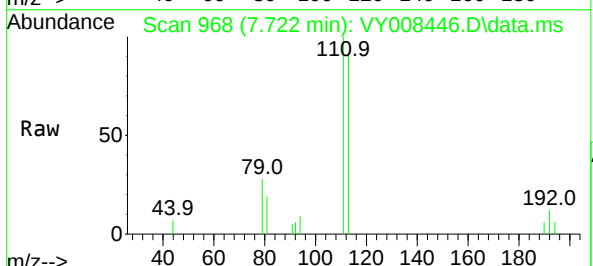
RT: 7.722 min Scan# 968

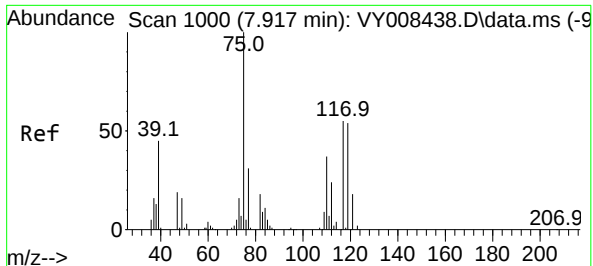
Delta R.T. 0.006 min

Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

Tgt Ion:113	Resp:	2294
Ion	Ratio	Lower Upper
113	100	
111	110.7	82.6 124.0
192	14.1	17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.869 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

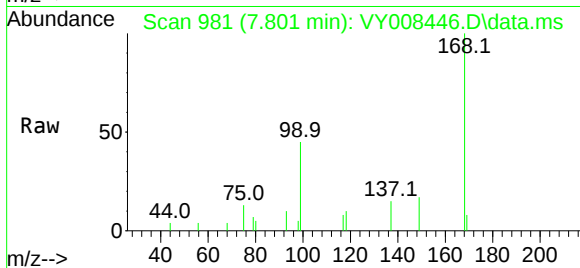
Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

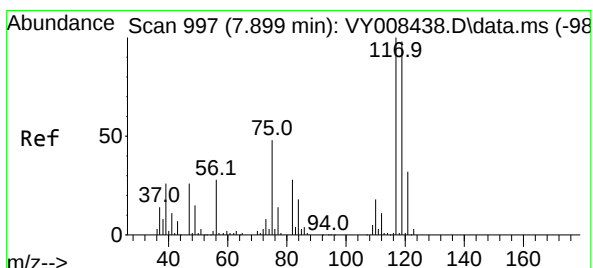
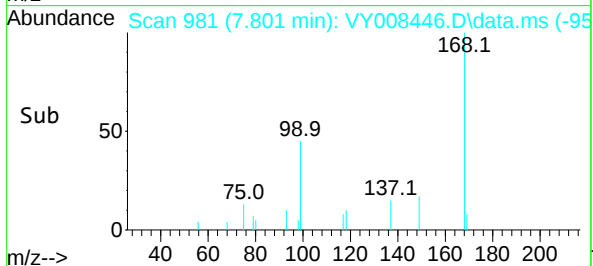
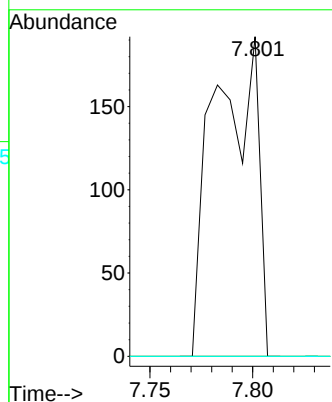
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 282
Ion Ratio	Lower Upper
75	100
110	0.0 17.1 51.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.123 ug/l

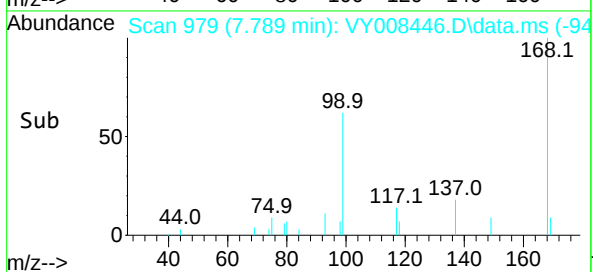
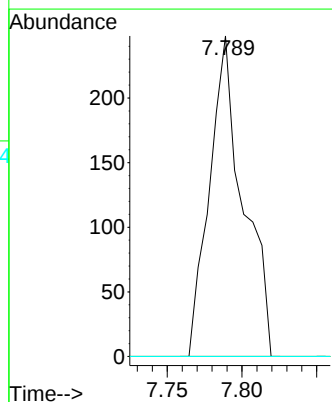
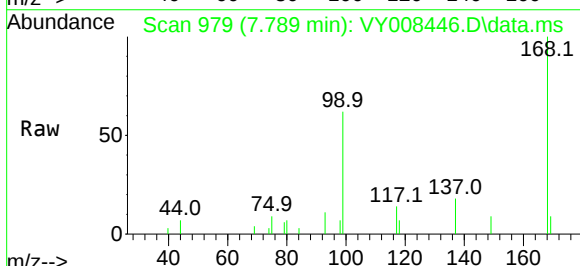
RT: 7.789 min Scan# 979

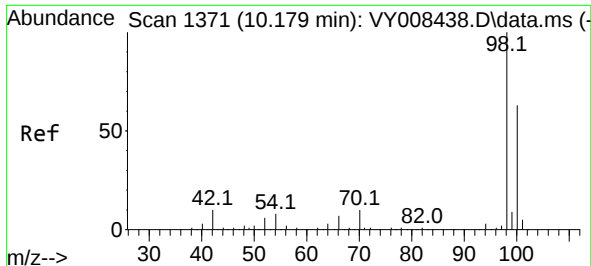
Delta R.T. -0.110 min

Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

Tgt Ion: 117	Resp: 388
Ion Ratio	Lower Upper
117	100
119	0.0 77.9 116.9#
121	0.0 24.8 37.2#

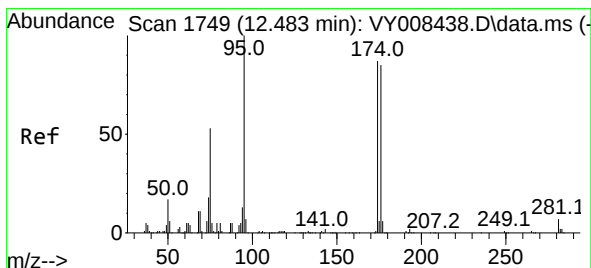
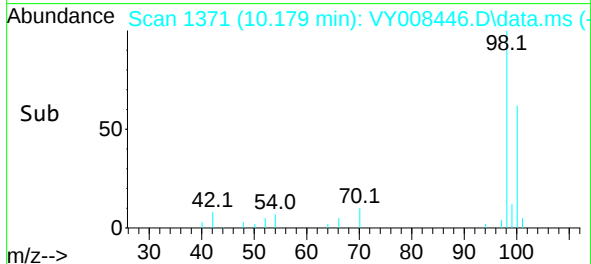
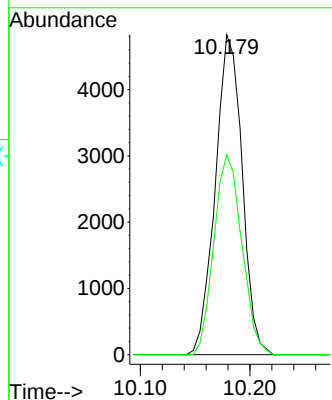
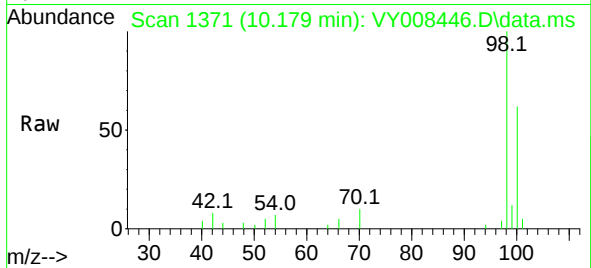




#50
Toluene-d8
Concen: 45.225 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

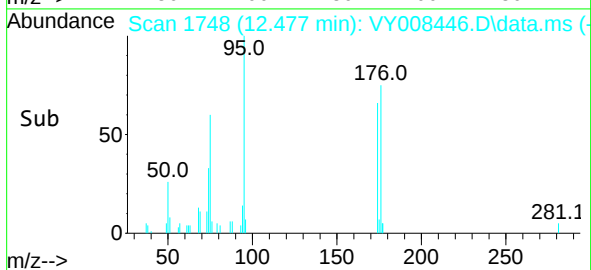
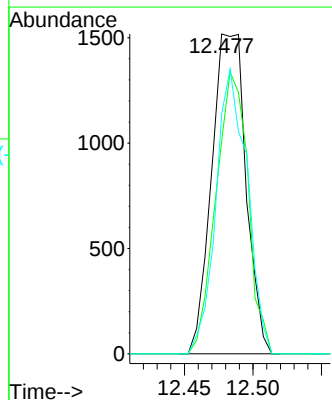
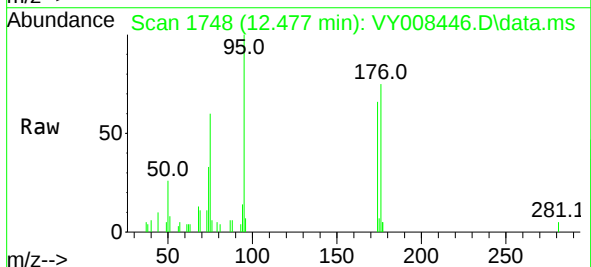
Instrument :
MSVOA_Y
ClientSampleId :

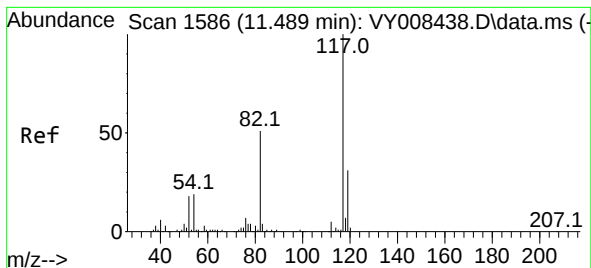
Tgt Ion: 98 Resp: 8219
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Tgt Ion: 95 Resp: 2652
Ion Ratio Lower Upper
95 100
174 81.8 0.0 177.0
176 80.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

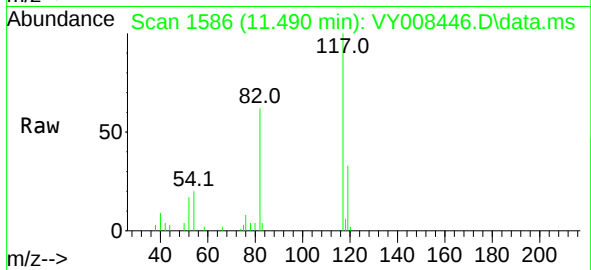
Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

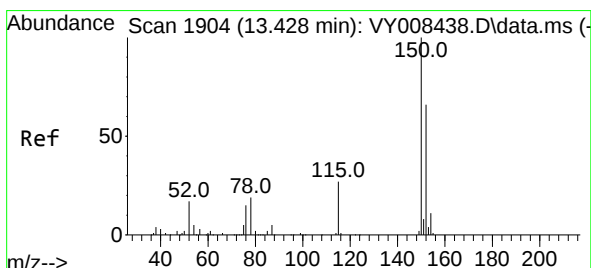
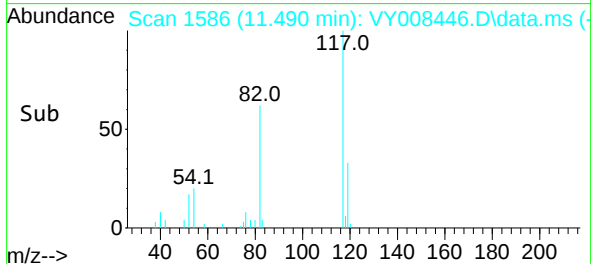
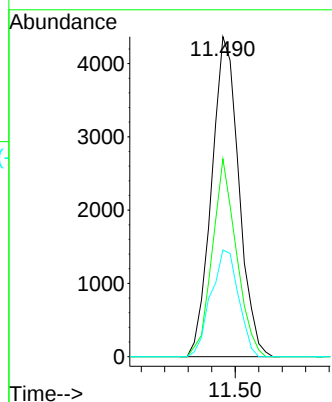
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	7042
Ion Ratio	Lower	Upper	
117	100		
82	61.8	43.0	64.4
119	33.3	25.4	38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

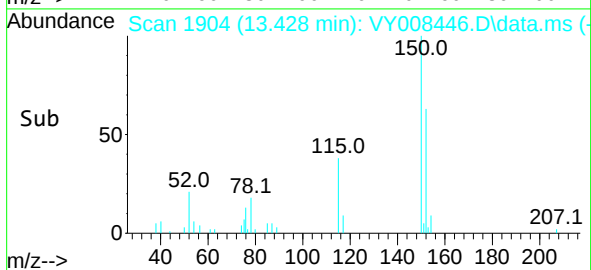
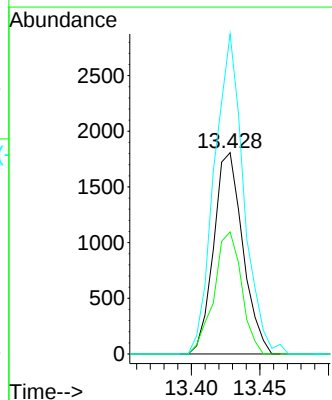
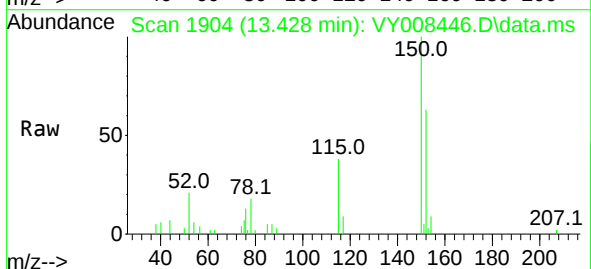
RT: 13.428 min Scan# 1904

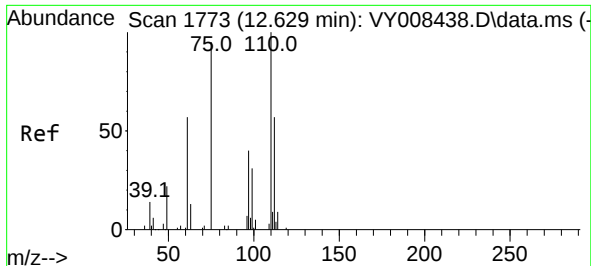
Delta R.T. 0.000 min

Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

Tgt Ion:	152	Resp:	2677
Ion Ratio	Lower	Upper	
152	100		
115	57.1	28.2	84.7
150	159.8	0.0	347.6

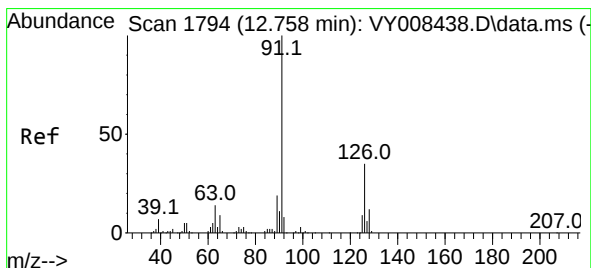
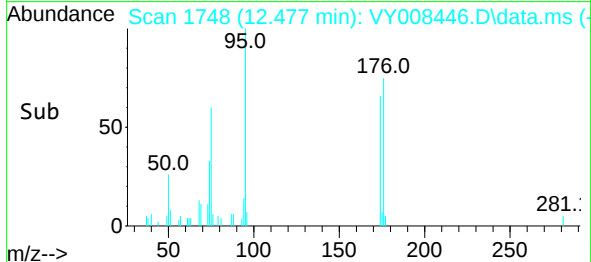
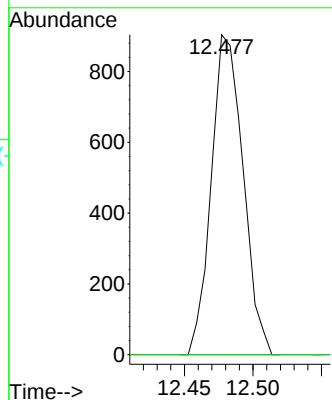
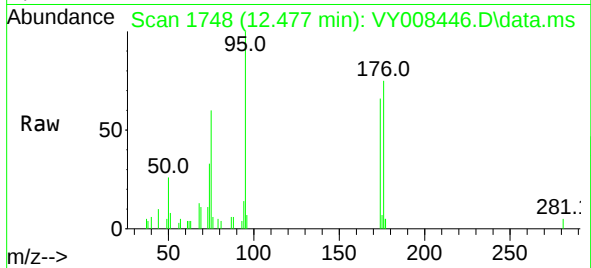




#76
1,2,3-Trichloropropane
Concen: 42.055 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

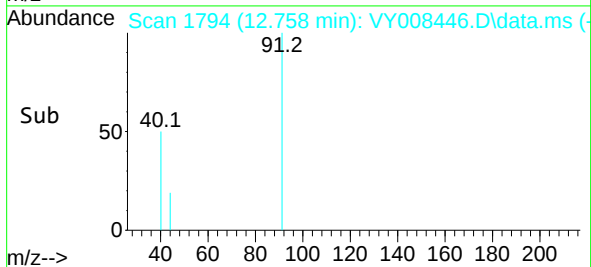
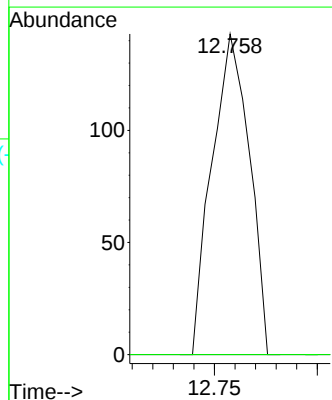
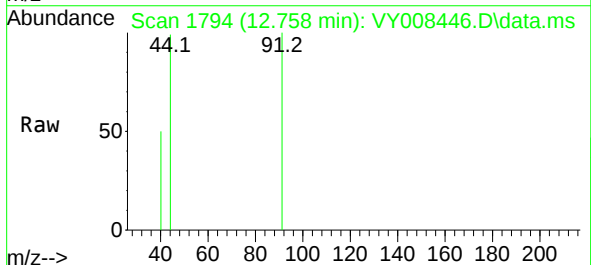
Instrument :
MSVOA_Y
ClientSampleId :

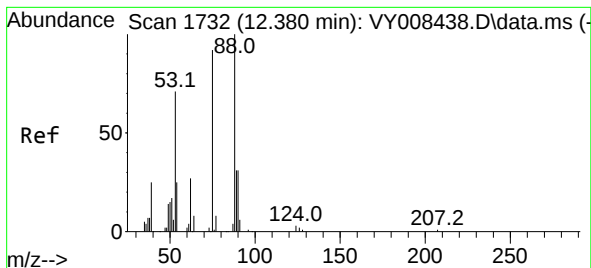
Tgt Ion: 75 Resp: 1457
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.321 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

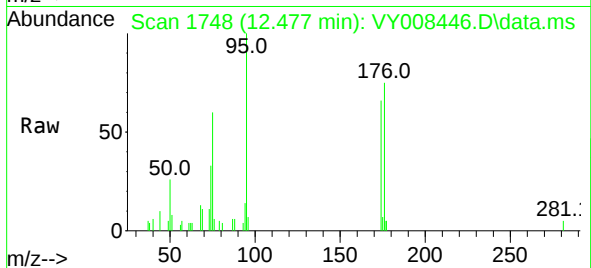
Tgt Ion: 91 Resp: 181
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



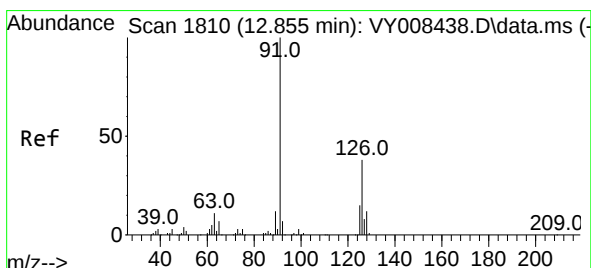
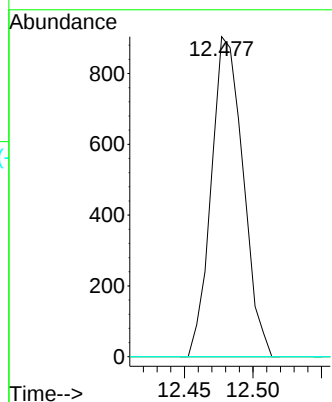
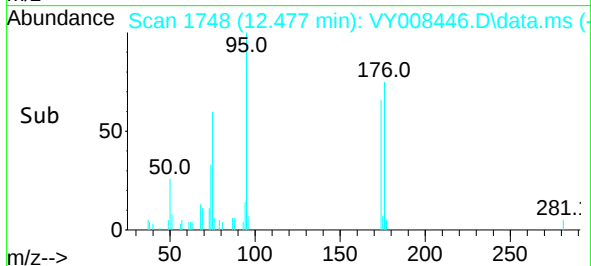


#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.564 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008446.D
 Acq: 21 Apr 2022 17:25

Instrument :
 MSVOA_Y
 ClientSampleId :

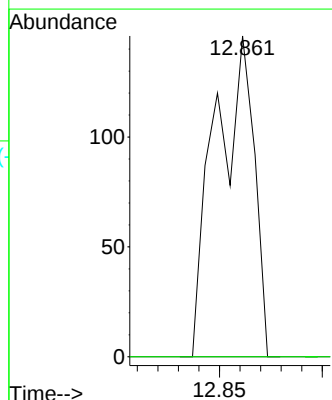
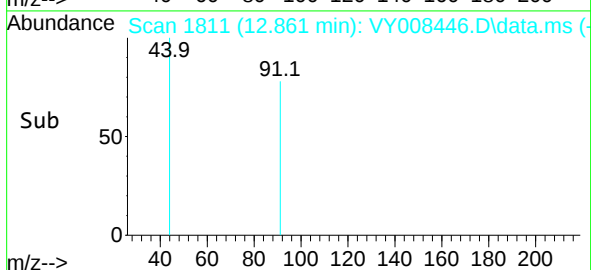
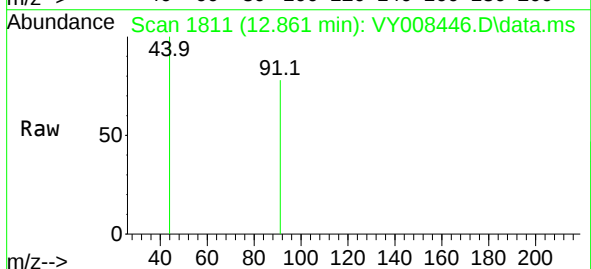


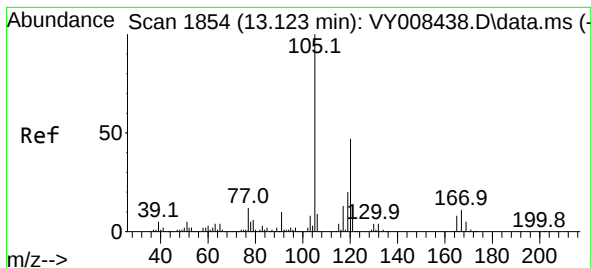
Tgt Ion: 75 Resp: 1457
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#



#82
 4-Chlorotoluene
 Concen: 1.345 ug/l
 RT: 12.861 min Scan# 1811
 Delta R.T. 0.006 min
 Lab File: VY008446.D
 Acq: 21 Apr 2022 17:25

Tgt Ion: 91 Resp: 191
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.065 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

Instrument :

MSVOA_Y

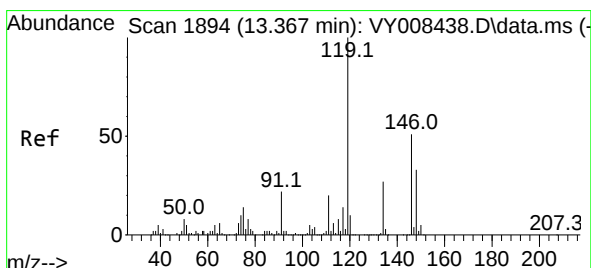
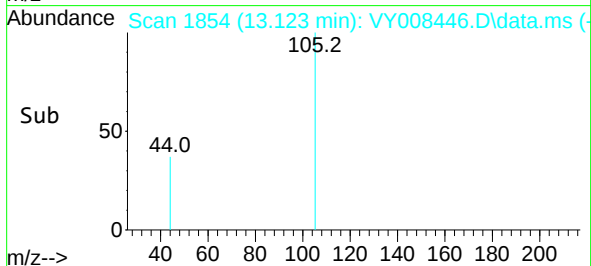
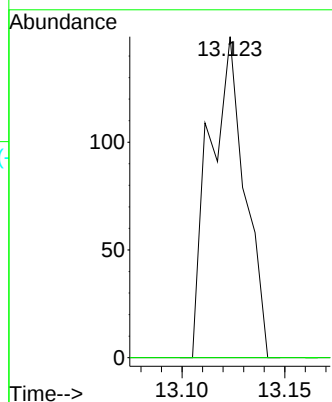
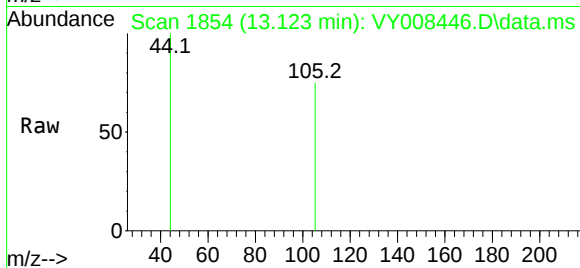
ClientSampleId :

Tgt Ion:105 Resp: 178

Ion Ratio Lower Upper

105 100

120 0.0 22.3 66.9#



#86

p-Isopropyltoluene

Concen: 1.185 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

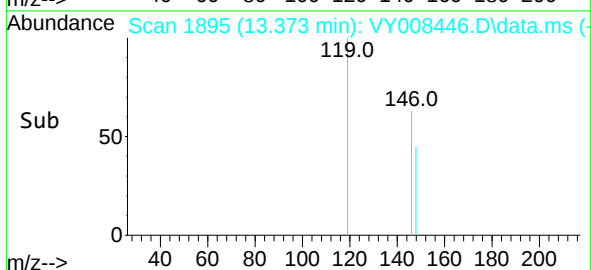
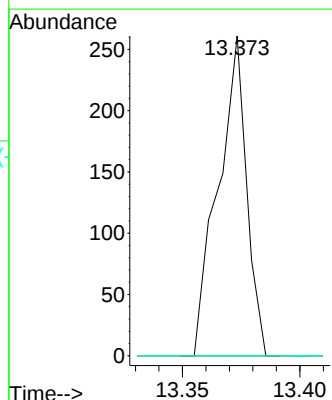
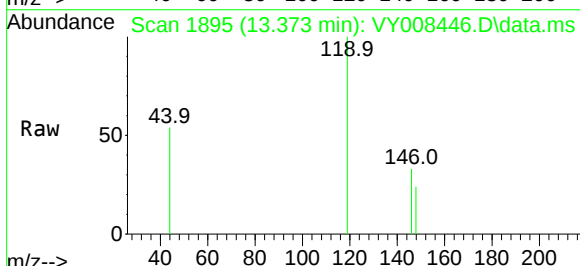
Tgt Ion:119 Resp: 219

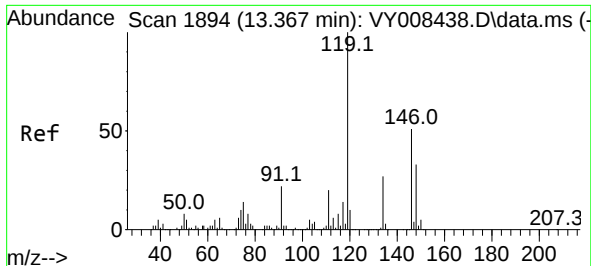
Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

91 0.0 12.4 37.2#





#87

1,3-Dichlorobenzene

Concen: 1.594 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.073 min

Lab File: VY008446.D

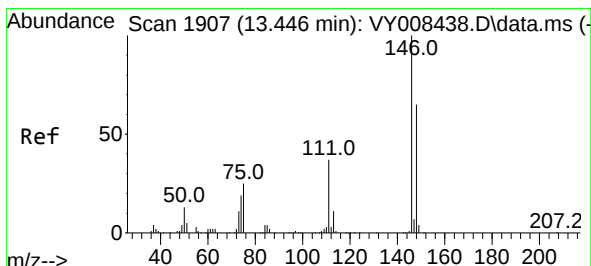
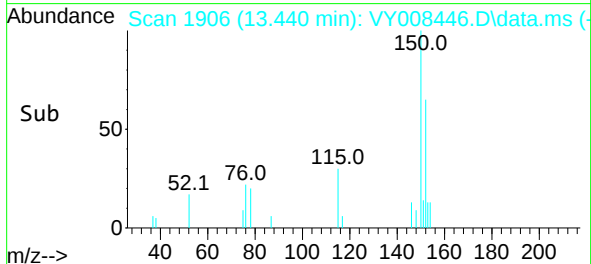
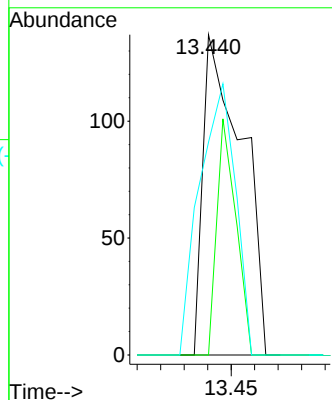
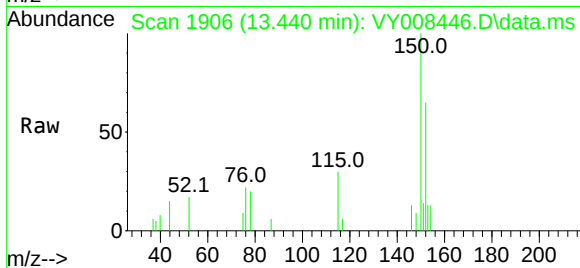
Acq: 21 Apr 2022 17:25

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	158
Ion Ratio	Lower	Upper
146	100	
111	36.1	19.5 58.5
148	77.8	31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 1.609 ug/l

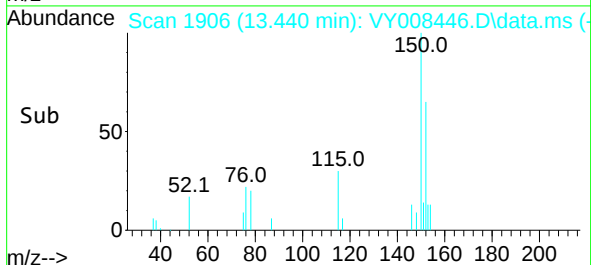
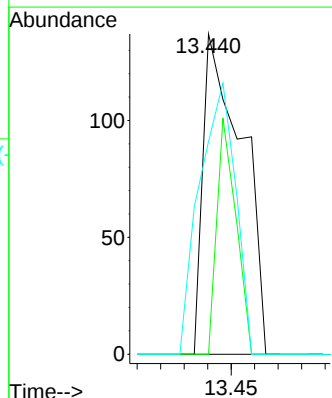
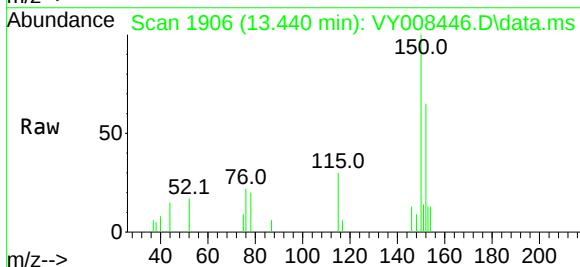
RT: 13.440 min Scan# 1906

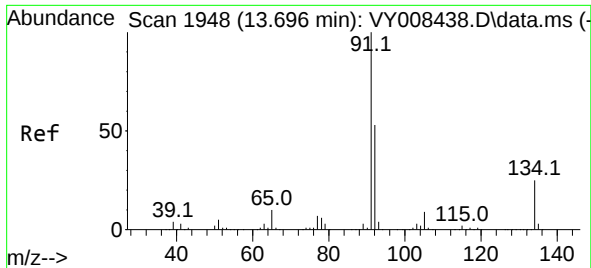
Delta R.T. -0.006 min

Lab File: VY008446.D

Acq: 21 Apr 2022 17:25

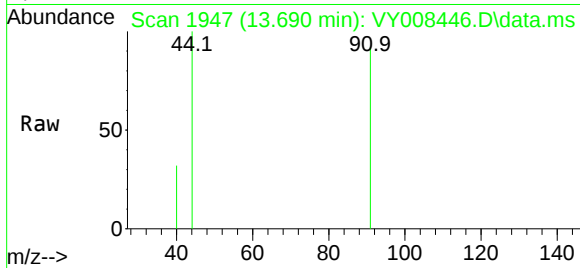
Tgt Ion:146	Resp:	158
Ion Ratio	Lower	Upper
146	100	
111	36.1	19.3 57.8
148	77.8	32.6 97.8



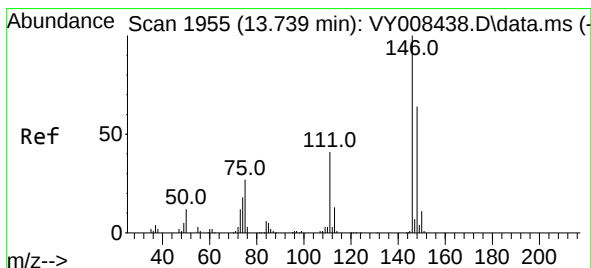
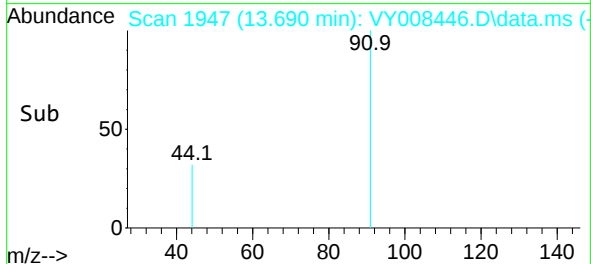
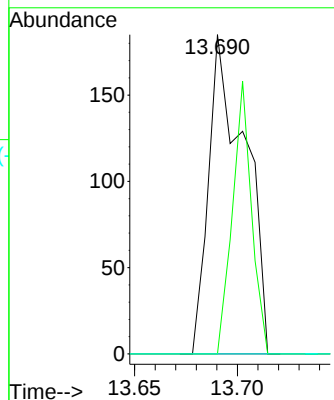


#89
n-Butylbenzene
Concen: 1.341 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

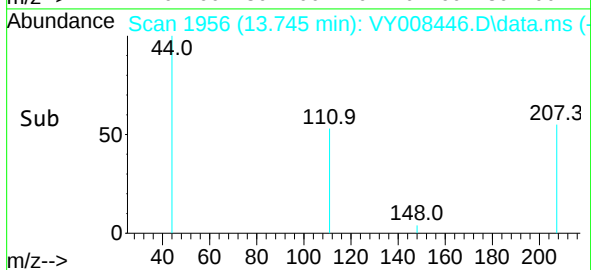
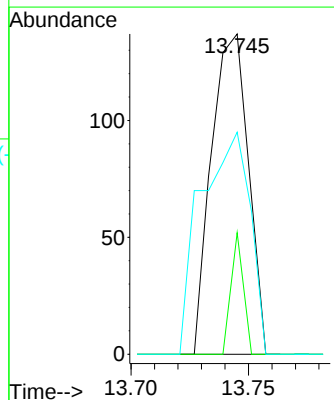
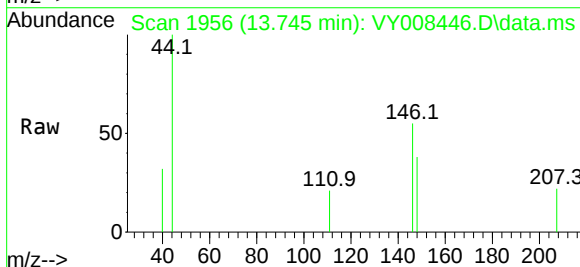


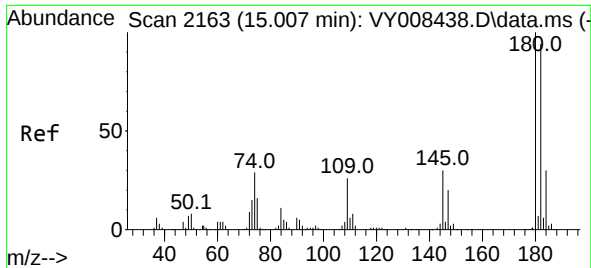
Tgt Ion: 91 Resp: 225
Ion Ratio Lower Upper
91 100
92 45.3 26.3 78.9
134 0.0 13.0 38.9#



#91
1,2-Dichlorobenzene
Concen: 1.702 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

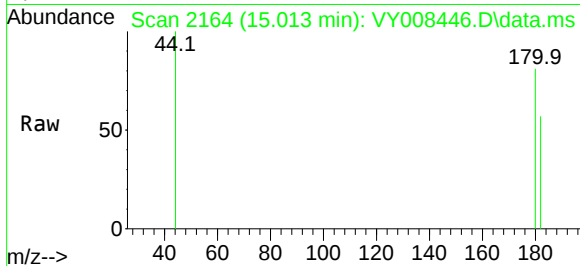
Tgt Ion: 146 Resp: 150
Ion Ratio Lower Upper
146 100
111 12.7 20.3 60.9#
148 92.0 32.3 96.9



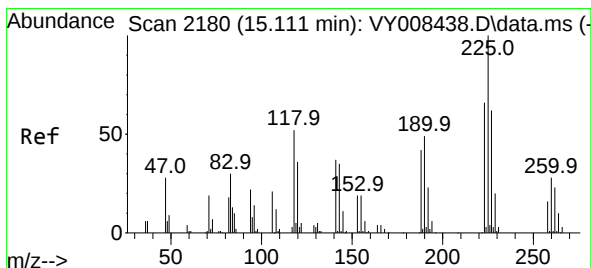
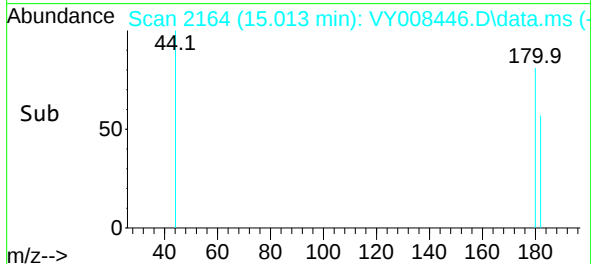
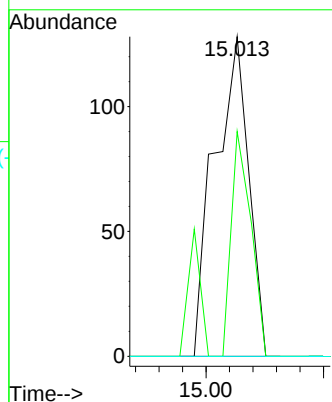


#93
1,2,4-Trichlorobenzene
Concen: 2.630 ug/l
RT: 15.013 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

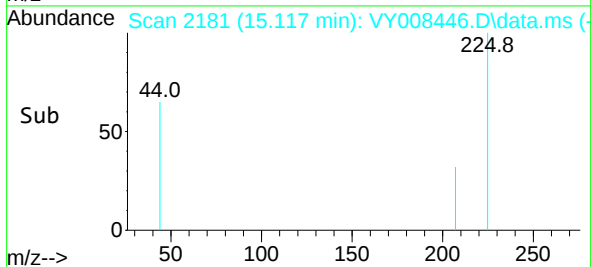
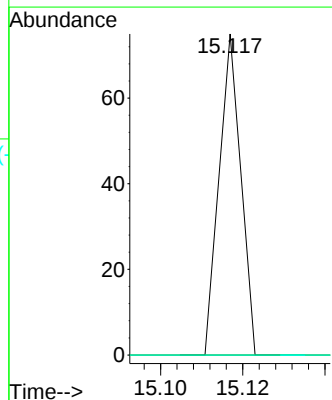
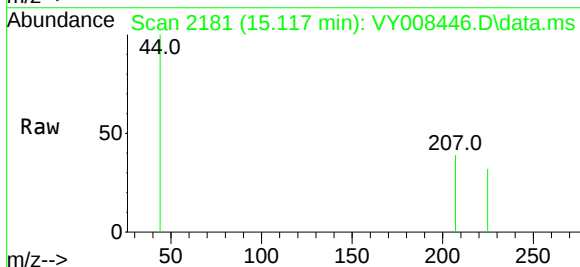


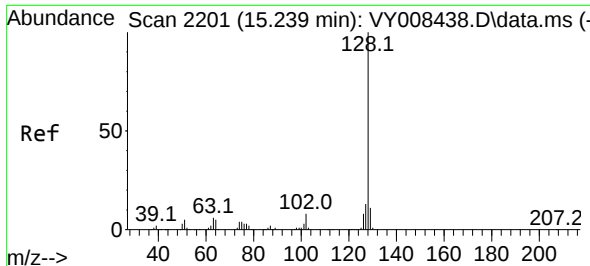
Tgt Ion:180 Resp: 129
Ion Ratio Lower Upper
180 100
182 40.3 47.3 141.9#
145 0.0 14.6 43.8#



#94
Hexachlorobutadiene
Concen: 1.128 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

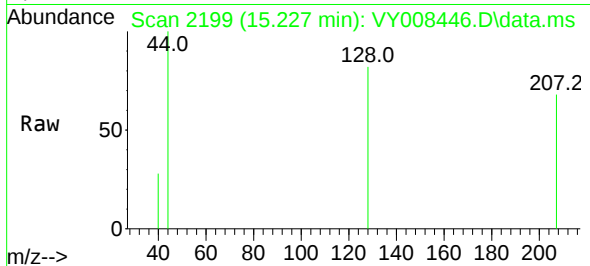
Tgt Ion:225 Resp: 27
Ion Ratio Lower Upper
225 100
223 0.0 30.8 92.3#
227 0.0 31.6 94.7#



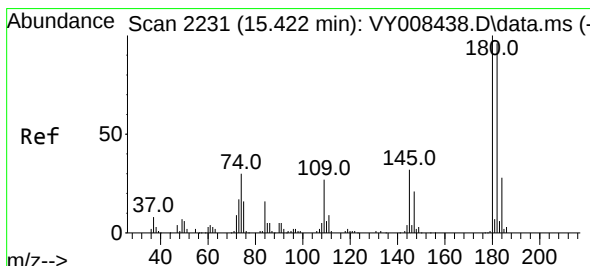
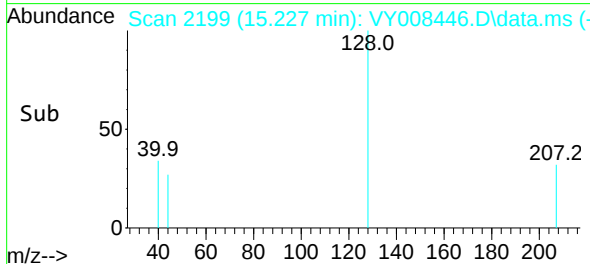
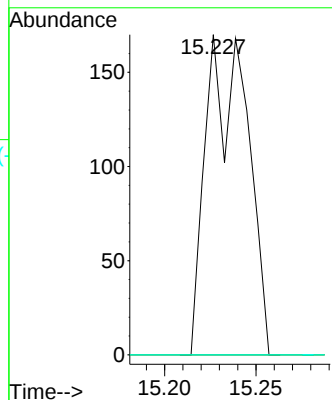


#95
Naphthalene
Concen: 2.410 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 268
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: 2.818 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY008446.D
Acq: 21 Apr 2022 17:25

Tgt Ion:180 Resp: 121
Ion Ratio Lower Upper
180 100
182 27.3 47.3 141.9#
145 0.0 15.3 45.9#

