

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010889.D
 Acq On : 10 Oct 2022 14:48
 Operator : KP/MD
 Sample : N5046-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 09:44:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

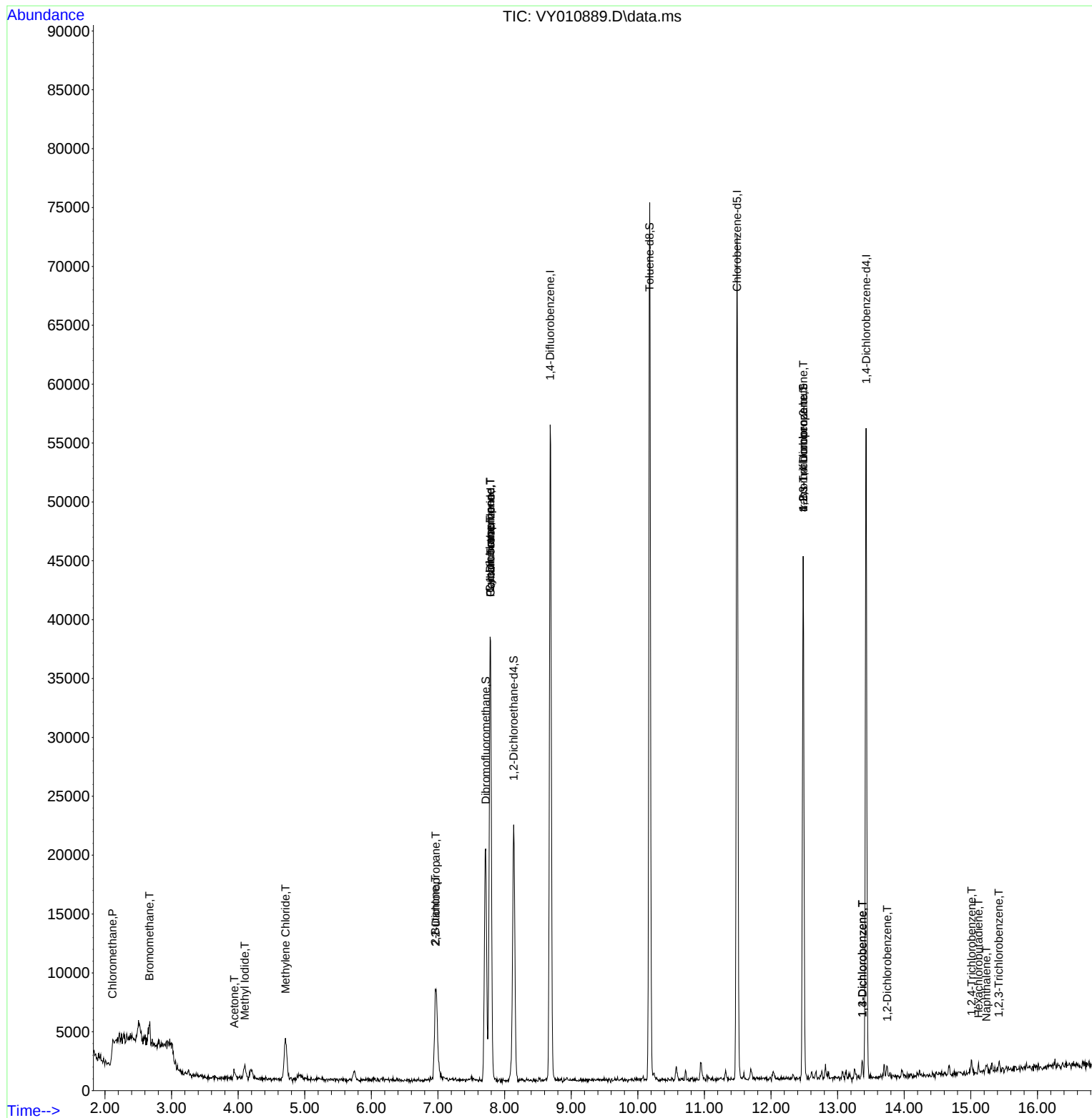
Internal Standards						
1) Pentafluorobenzene	7.789	168	30089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	49416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	40321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	16347	53.599	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.200%			
35) Dibromofluoromethane	7.716	113	14686	44.771	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.540%			
50) Toluene-d8	10.179	98	50884	45.359	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.720%			
62) 4-Bromofluorobenzene	12.483	95	13623	29.581	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 59.160%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	701	2.022	ug/l	100
5) Bromomethane	2.668	94	822	2.775	ug/l #	65
10) Methyl Iodide	4.101	142	1890	4.850	ug/l	88
11) Tert butyl alcohol	4.930	59	560	Below Cal	#	77
16) Acetone	3.942	43	1177	15.195	ug/l #	88
20) Methylene Chloride	4.710	84	2695	3.037	ug/l #	81
25) 2-Butanone	6.960	43	230	2.065	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	620	1.148	ug/l #	55
31) Cyclohexane	7.783	56	621	1.138	ug/l #	38
36) 1,1-Dichloropropene	7.783	75	2457	5.189	ug/l #	47
38) Carbon Tetrachloride	7.789	117	2960	6.001	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	7061	47.852	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7061	99.959	ug/l #	7
87) 1,3-Dichlorobenzene	13.373	146	534	1.071	ug/l	93
88) 1,4-Dichlorobenzene	13.373	146	534	1.081	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	558	1.284	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	403	1.580	ug/l #	88
94) Hexachlorobutadiene	15.117	225	174	1.106	ug/l	74
95) Naphthalene	15.233	128	795	1.635	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	309	1.421	ug/l	93

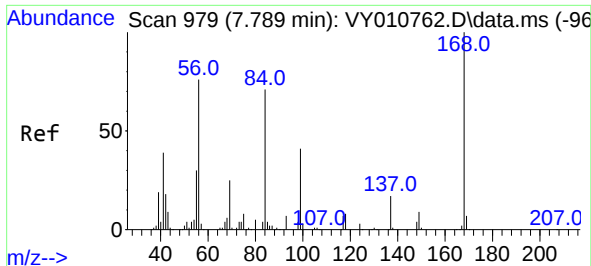
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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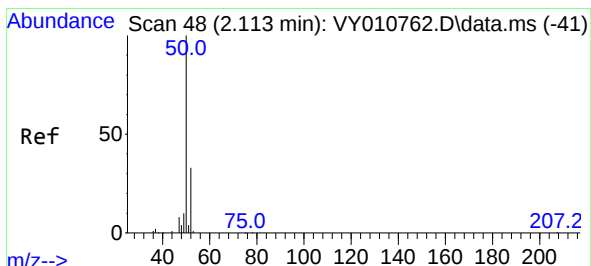
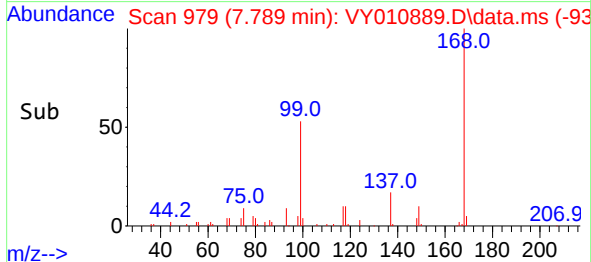
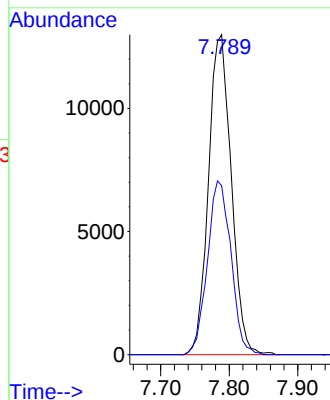
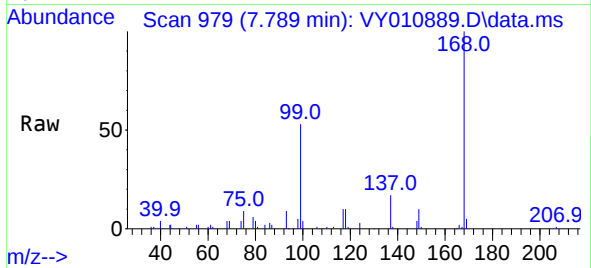




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

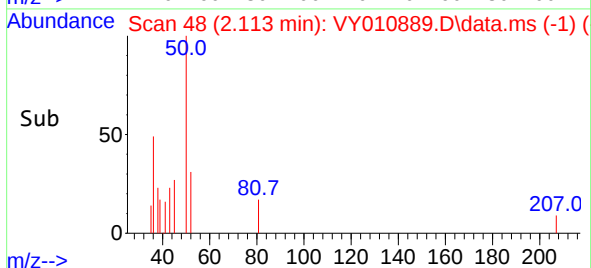
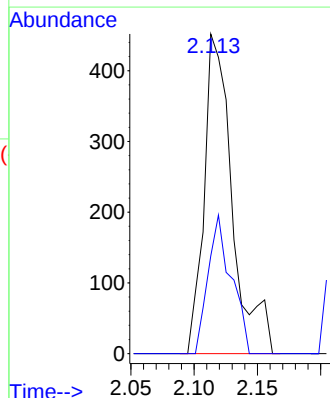
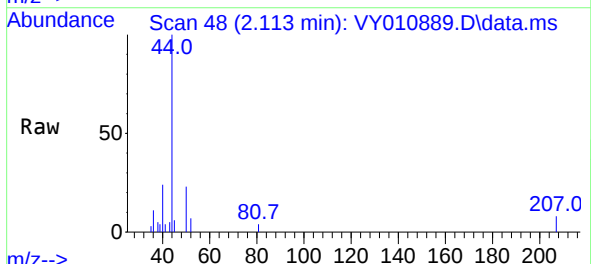
Instrument :
MSVOA_Y
ClientSampleId :

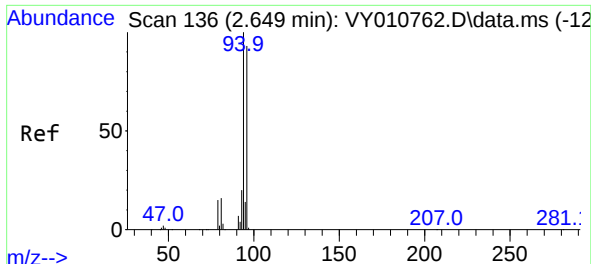
Tgt Ion:168 Resp: 30089
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#3
Chloromethane
Concen: 2.022 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Tgt Ion: 50 Resp: 701
Ion Ratio Lower Upper
50 100
52 30.5 24.6 37.0

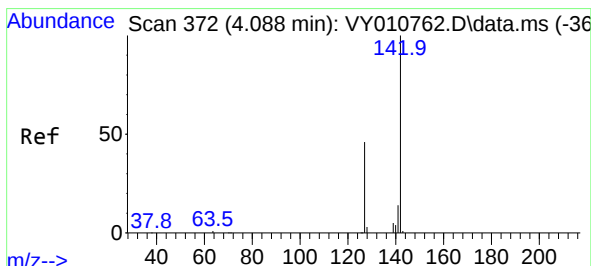
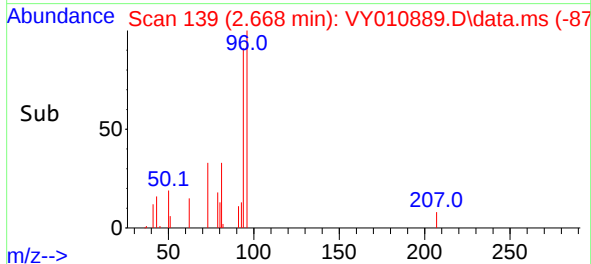
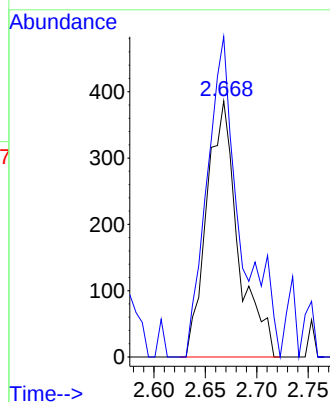
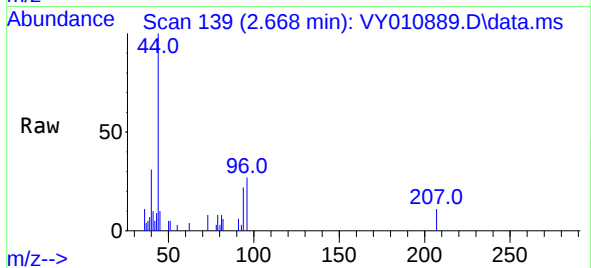




#5
Bromomethane
Concen: 2.775 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

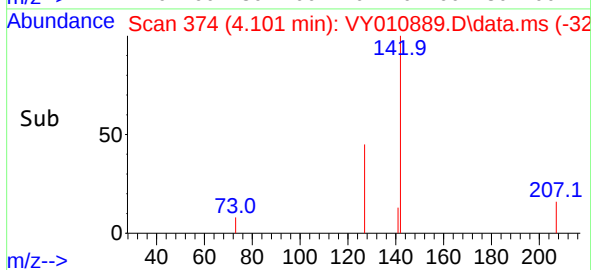
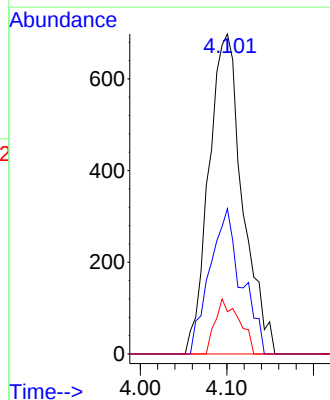
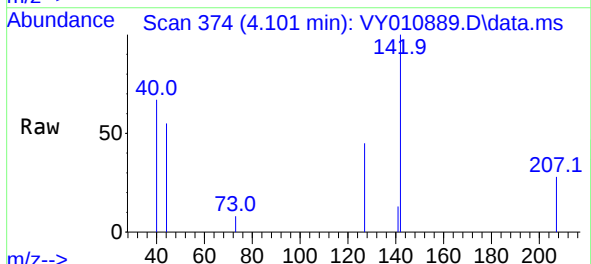
Instrument :
MSVOA_Y
ClientSampleId :

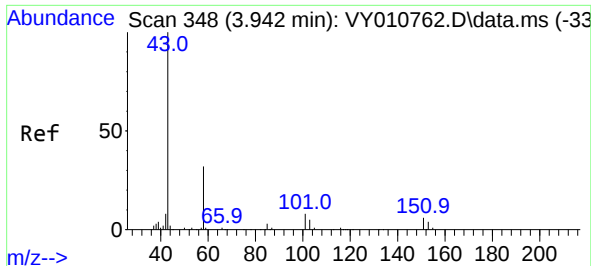
Tgt Ion: 94 Resp: 822
Ion Ratio Lower Upper
94 100
96 125.1 73.5 110.3#



#10
Methyl Iodide
Concen: 4.850 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Tgt Ion:142 Resp: 1890
Ion Ratio Lower Upper
142 100
127 42.6 41.5 62.3
141 12.2 11.9 17.9

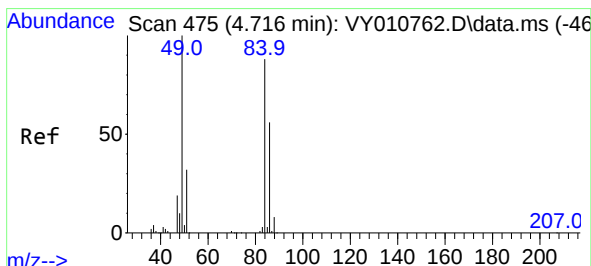
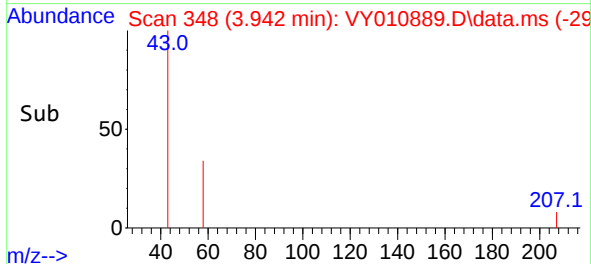
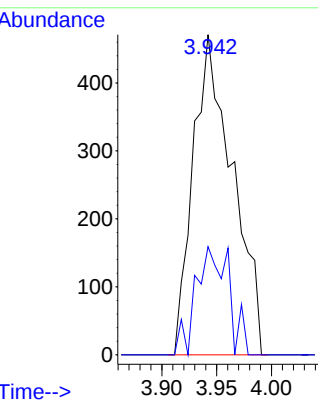
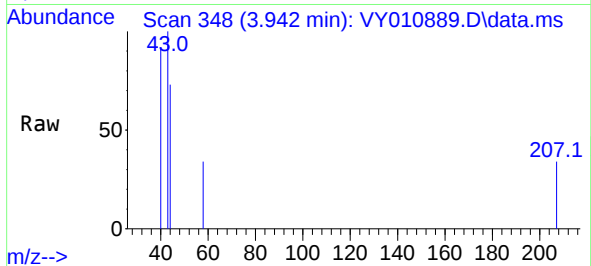




#16
Acetone
Concen: 15.195 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

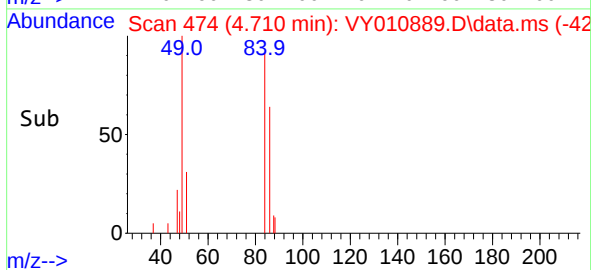
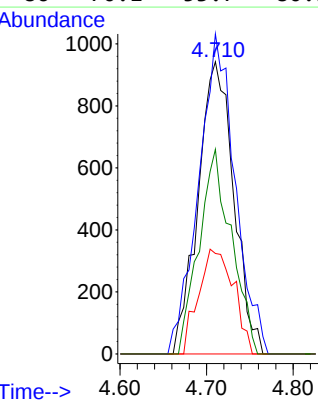
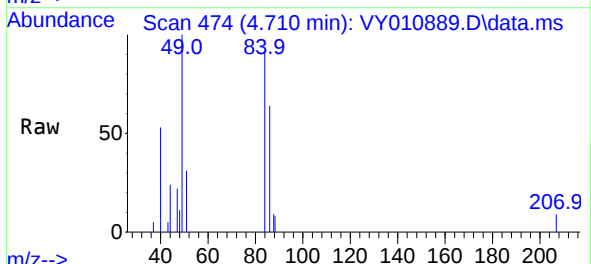
Instrument :
MSVOA_Y
ClientSampleId :

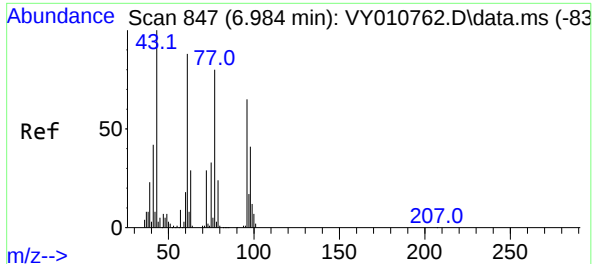
Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
58 33.8 22.0 33.0#



#20
Methylene Chloride
Concen: 3.037 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Tgt Ion: 84 Resp: 2695
Ion Ratio Lower Upper
84 100
49 109.6 114.4 171.6#
51 34.4 35.3 52.9#
86 70.1 53.7 80.5

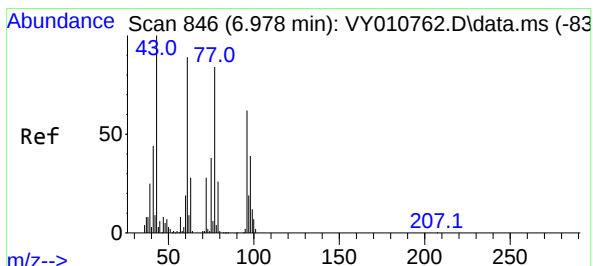
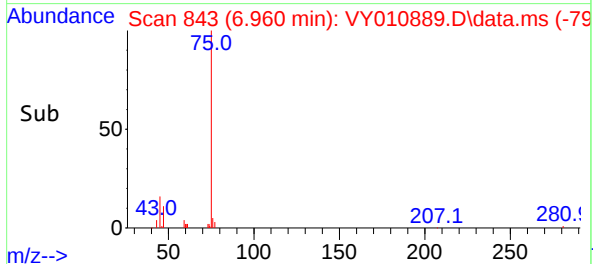
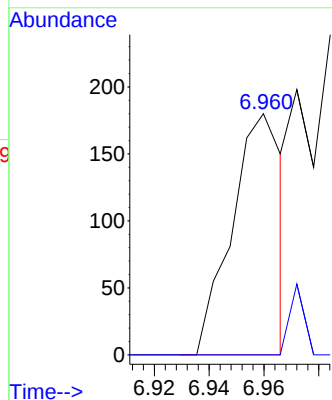
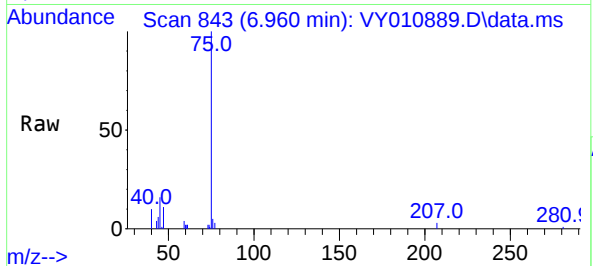




#25
2-Butanone
Concen: 2.065 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

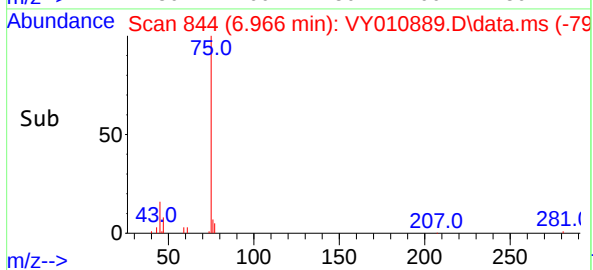
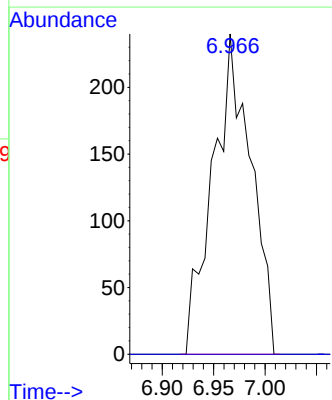
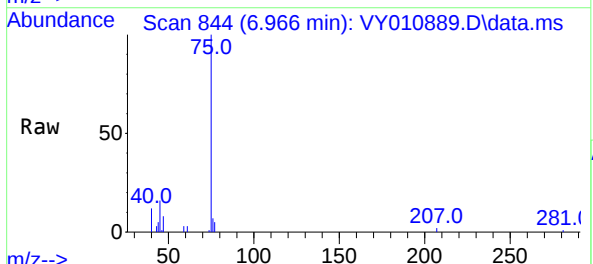
Instrument :
MSVOA_Y
ClientSampleId :

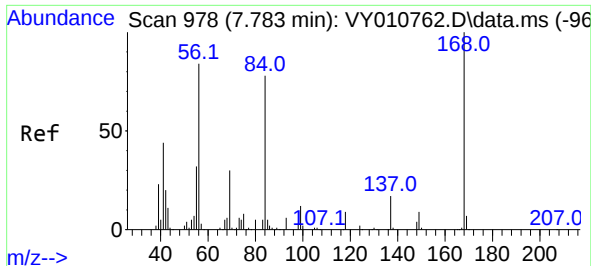
Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.148 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

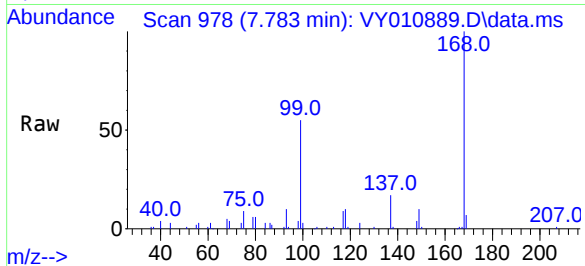
Tgt Ion: 77 Resp: 620
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



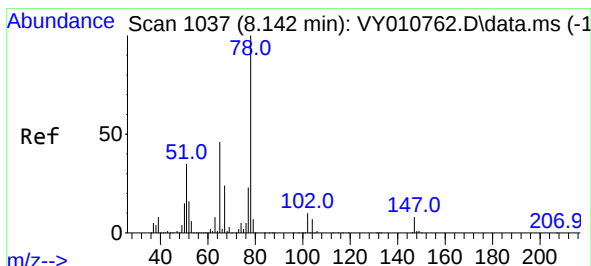
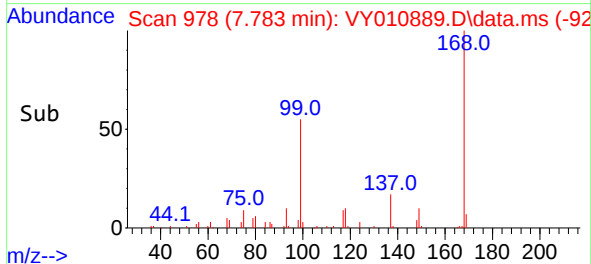
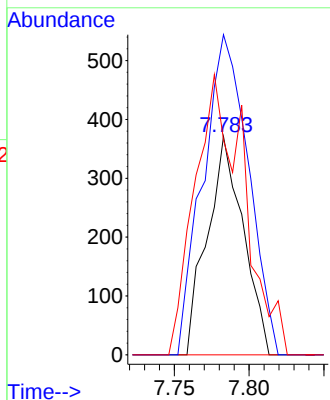


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

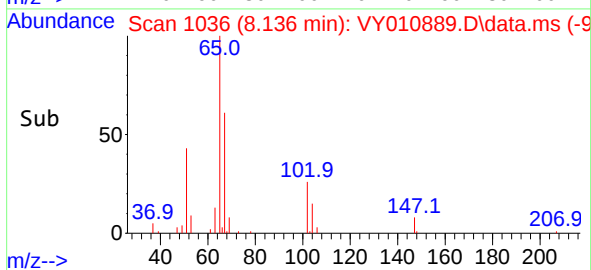
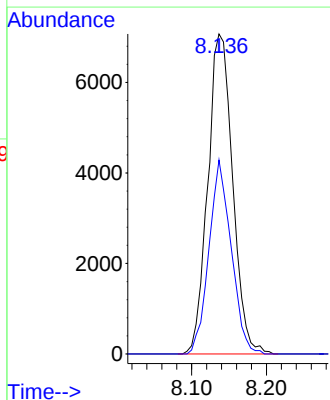
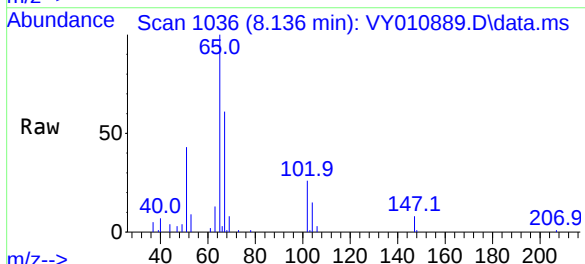


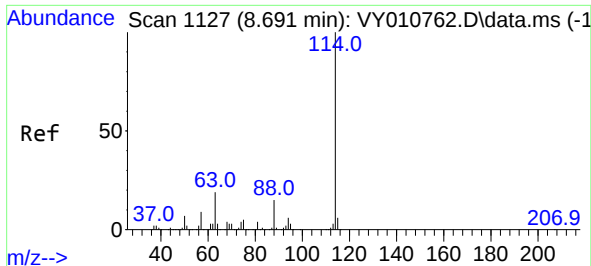
Tgt Ion: 56 Resp: 621
Ion Ratio Lower Upper
56 100
69 146.6 26.7 40.1#
84 76.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 53.599 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Tgt Ion: 65 Resp: 16347
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010889.D

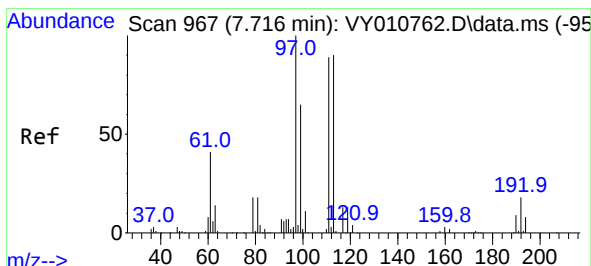
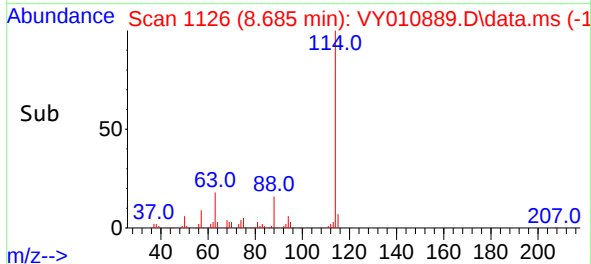
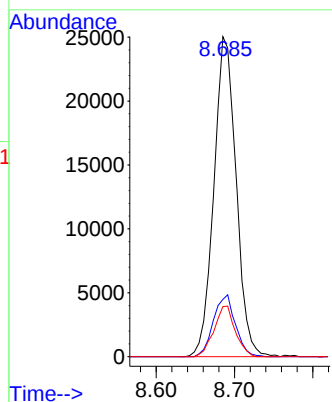
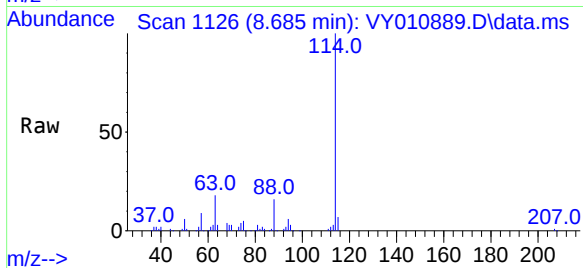
Acq: 10 Oct 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	49416
Ion	Ratio	Lower Upper
114	100	
63	17.9	0.0 43.2
88	15.7	0.0 31.8



#35

Dibromofluoromethane

Concen: 44.771 ug/l

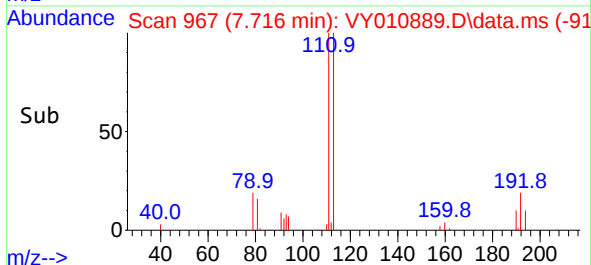
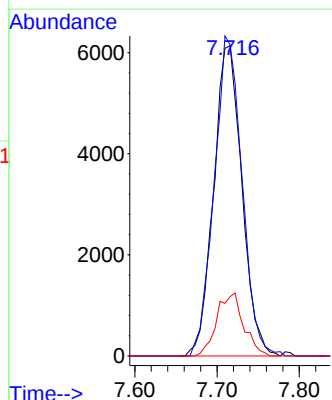
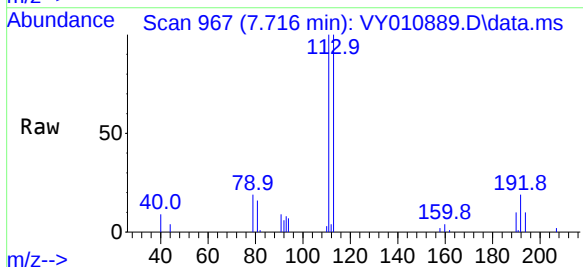
RT: 7.716 min Scan# 967

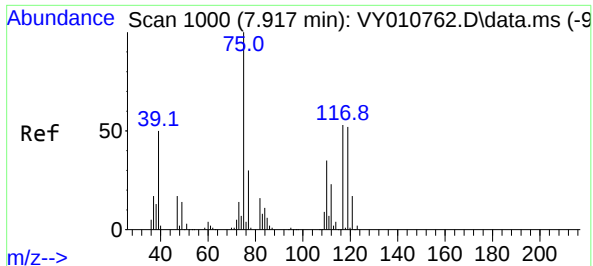
Delta R.T. -0.000 min

Lab File: VY010889.D

Acq: 10 Oct 2022 14:48

Tgt Ion:113	Resp:	14686
Ion	Ratio	Lower Upper
113	100	
111	101.5	82.6 124.0
192	19.2	17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

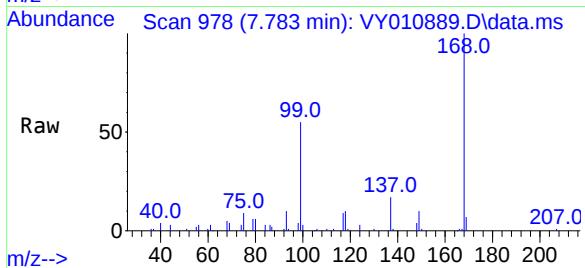
Lab File: VY010889.D

Acq: 10 Oct 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :



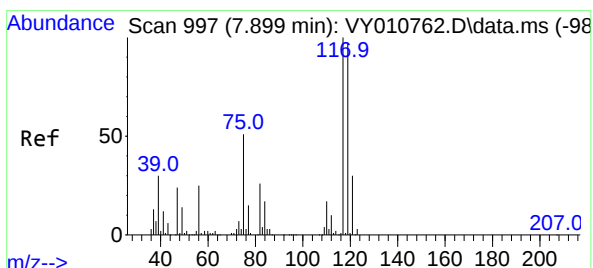
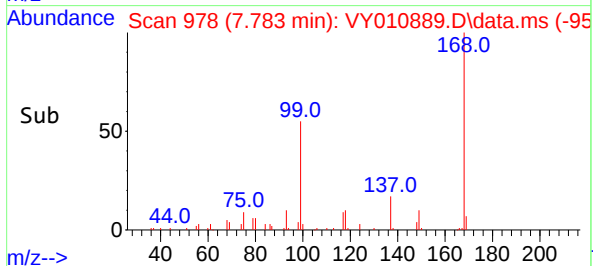
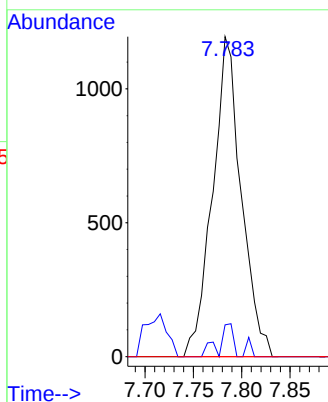
Tgt Ion: 75 Resp: 2457

Ion Ratio Lower Upper

75 100

110 5.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010889.D

Acq: 10 Oct 2022 14:48

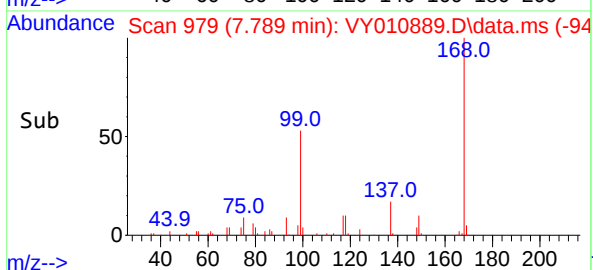
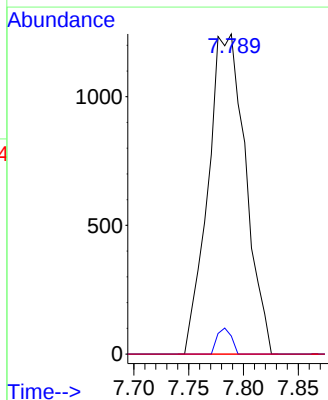
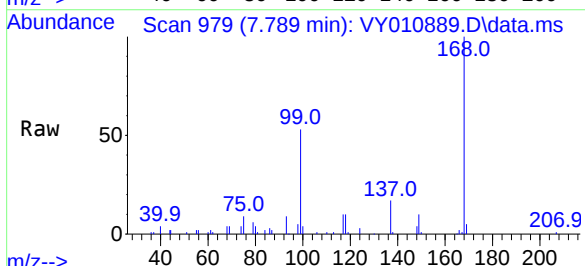
Tgt Ion: 117 Resp: 2960

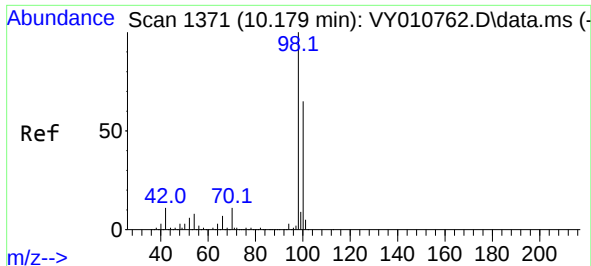
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

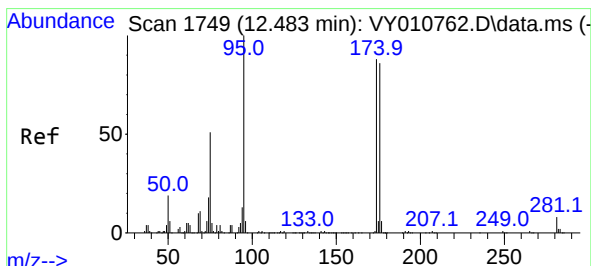
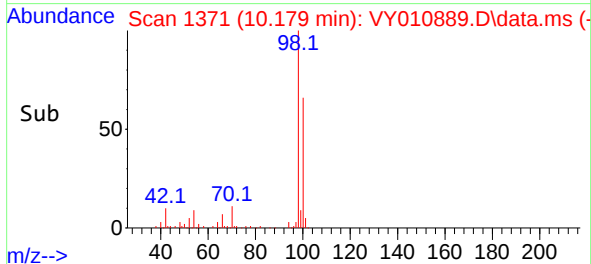
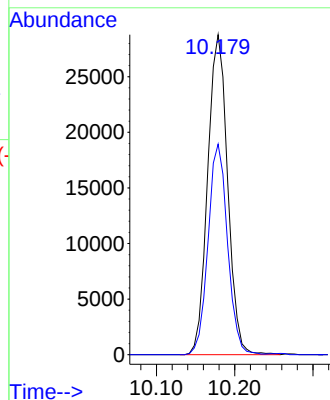
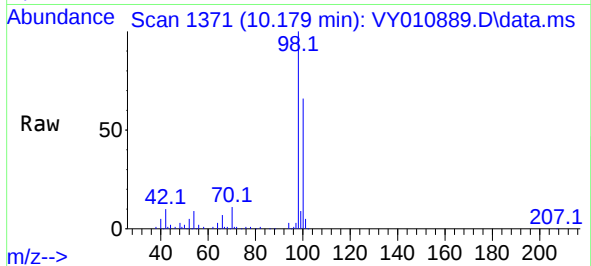




#50
Toluene-d8
Concen: 45.359 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

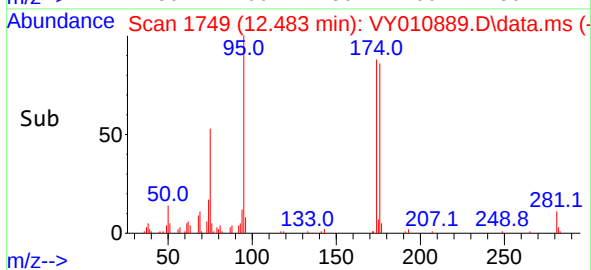
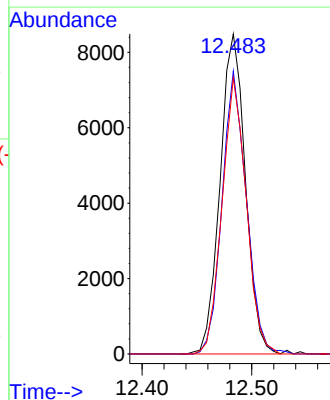
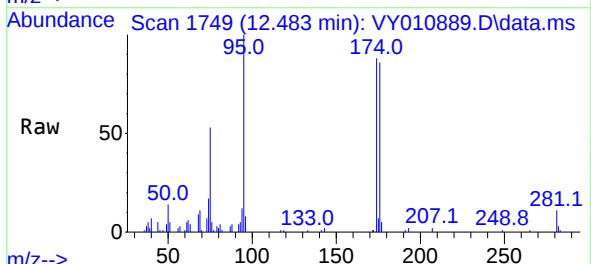
Instrument :
MSVOA_Y
ClientSampleId :

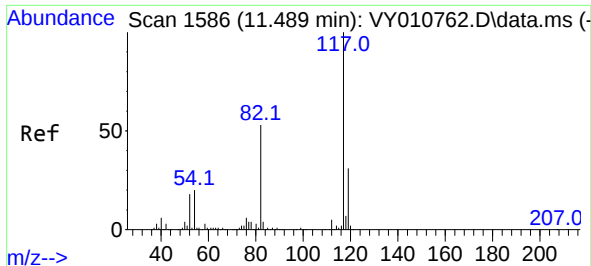
Tgt Ion: 98 Resp: 50884
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 29.581 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

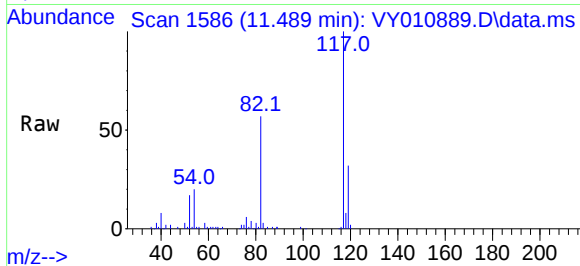
Tgt Ion: 95 Resp: 13623
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 82.5 0.0 175.8



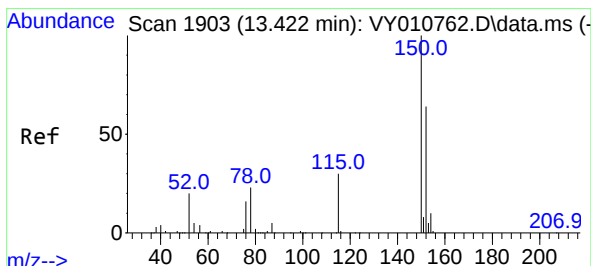
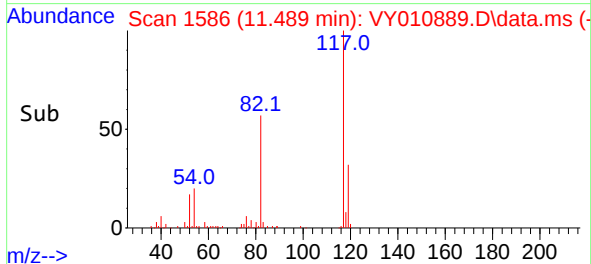
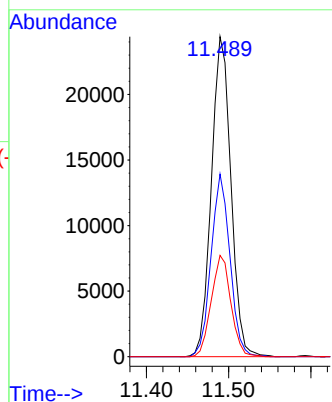


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

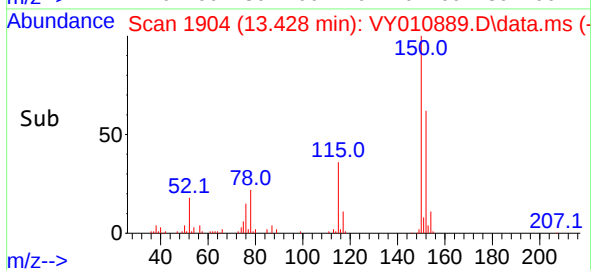
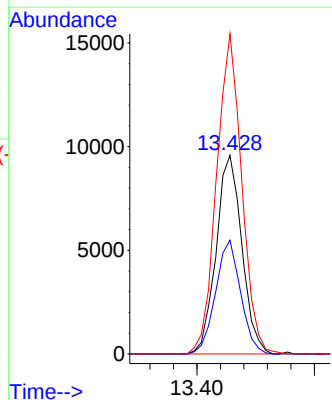
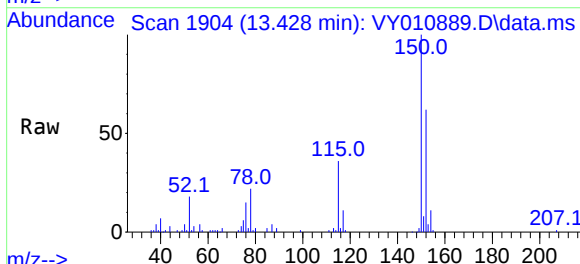


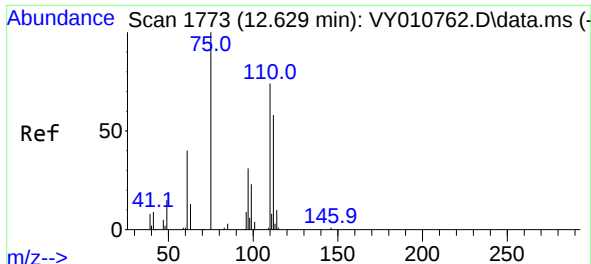
Tgt Ion:117 Resp: 40321
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Tgt Ion:152 Resp: 14571
Ion Ratio Lower Upper
152 100
115 55.7 28.2 84.7
150 157.6 0.0 347.6

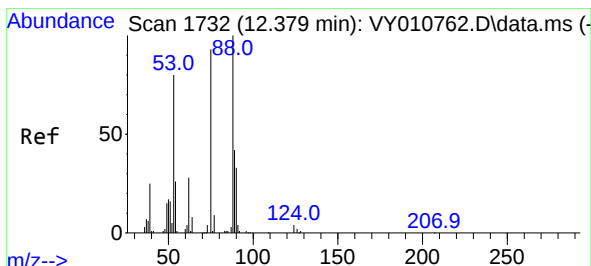
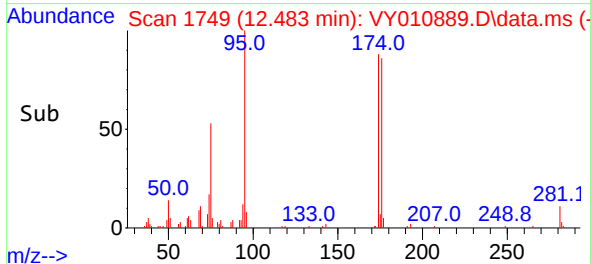
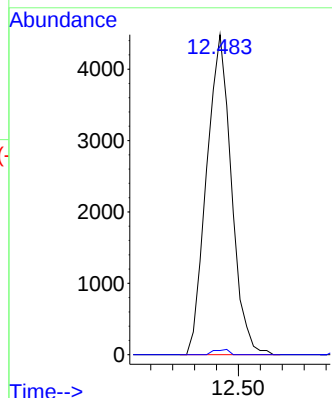
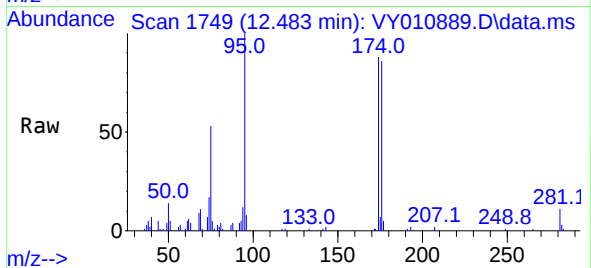




#76
1,2,3-Trichloropropane
Concen: 47.852 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

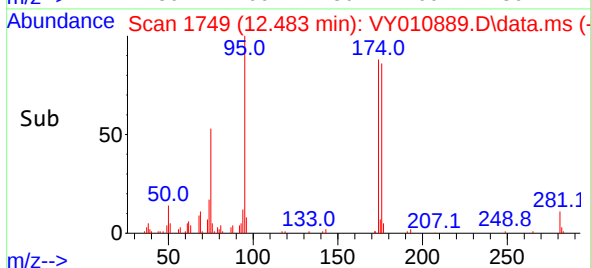
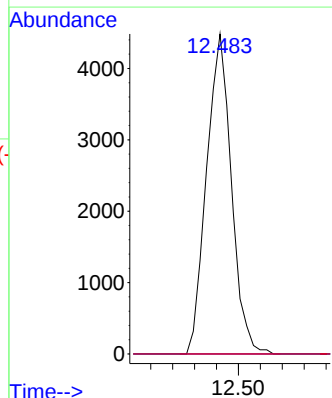
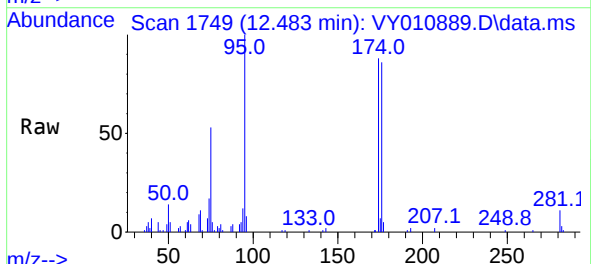
Instrument :
MSVOA_Y
ClientSampleId :

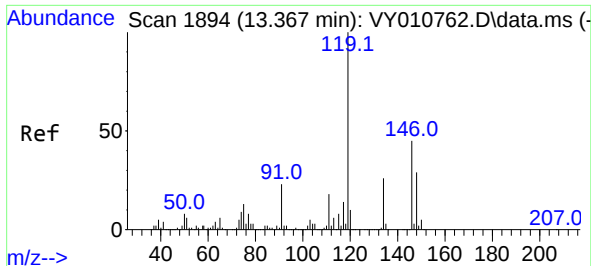
Tgt Ion: 75 Resp: 7061
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.959 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

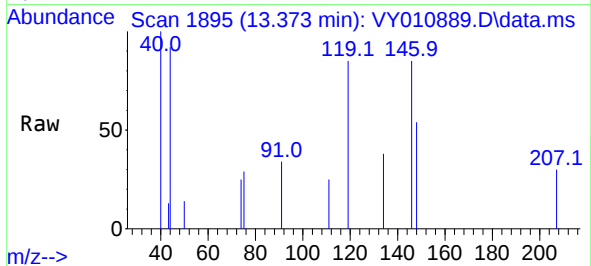
Tgt Ion: 75 Resp: 7061
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



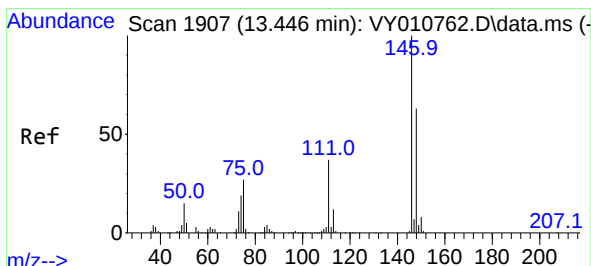
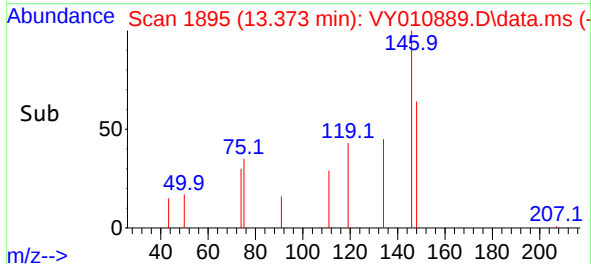
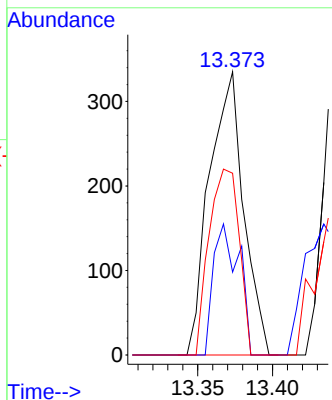


#87
1,3-Dichlorobenzene
Concen: 1.071 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

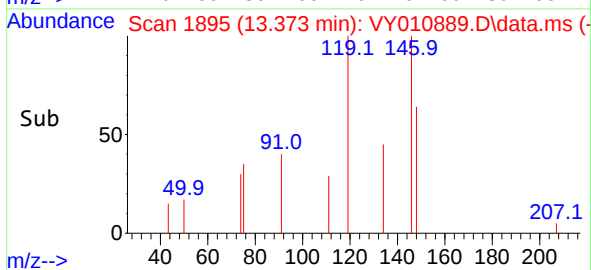
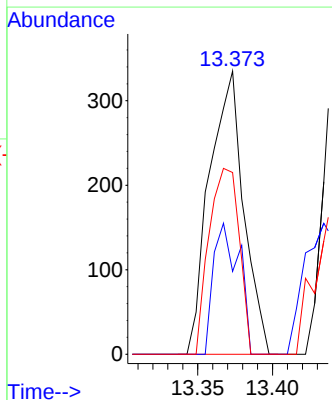
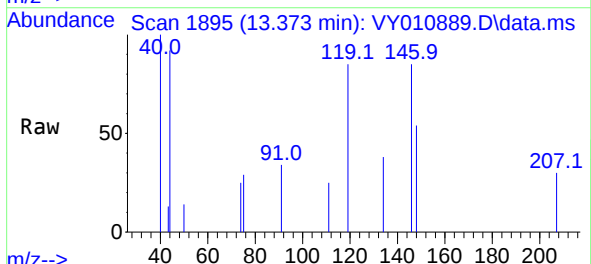


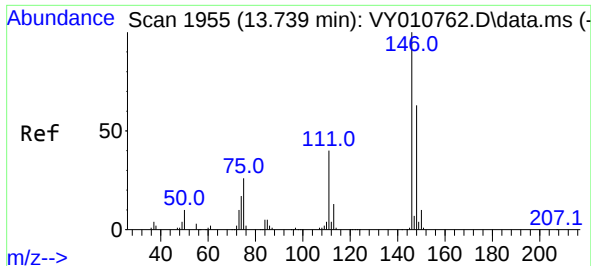
Tgt Ion:146 Resp: 534
Ion Ratio Lower Upper
146 100
111 34.5 19.5 58.5
148 57.7 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 1.081 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.073 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Tgt Ion:146 Resp: 534
Ion Ratio Lower Upper
146 100
111 34.5 19.3 57.8
148 57.7 32.6 97.8





#91

1,2-Dichlorobenzene

Concen: 1.284 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY010889.D

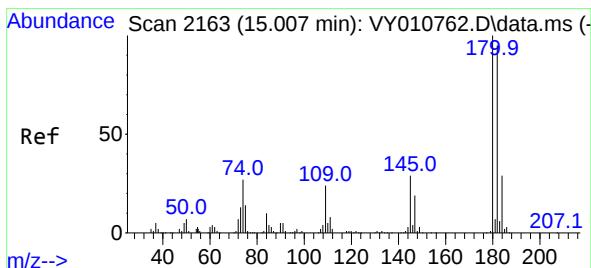
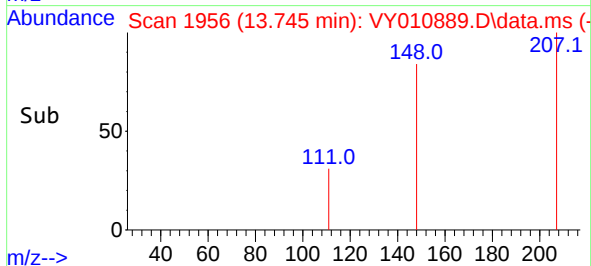
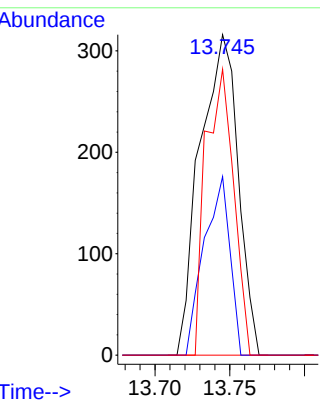
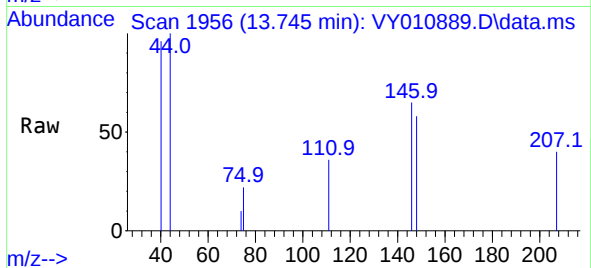
Acq: 10 Oct 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	558
Ion	Ratio	Lower Upper
146	100	
111	37.8	20.3 60.9
148	65.4	32.3 96.9



#93

1,2,4-Trichlorobenzene

Concen: 1.580 ug/l

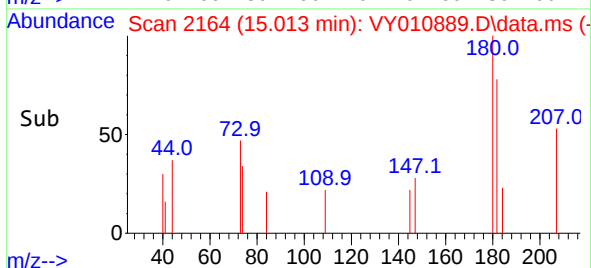
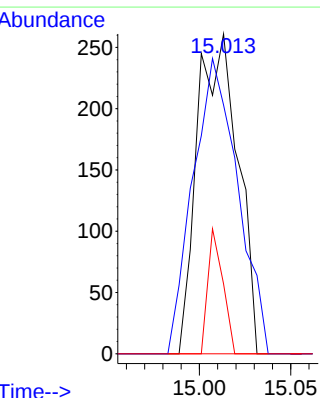
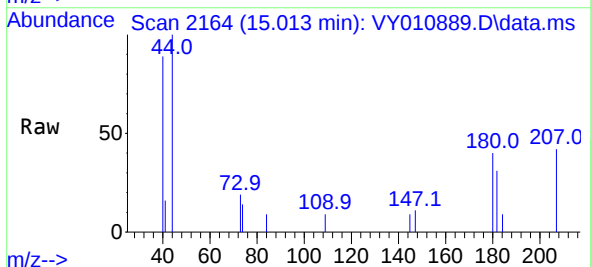
RT: 15.013 min Scan# 2164

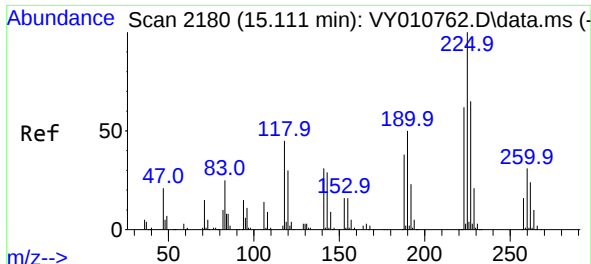
Delta R.T. 0.006 min

Lab File: VY010889.D

Acq: 10 Oct 2022 14:48

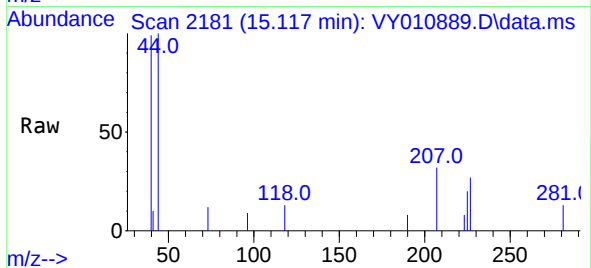
Tgt Ion:180	Resp:	403
Ion	Ratio	Lower Upper
180	100	
182	101.7	47.3 141.9
145	14.4	14.6 43.8



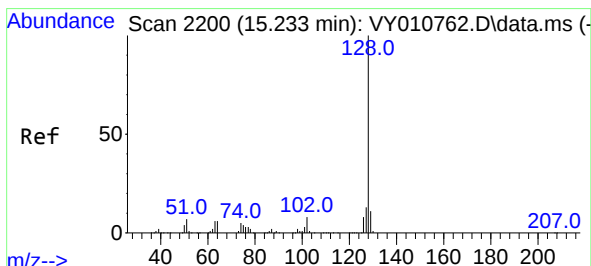
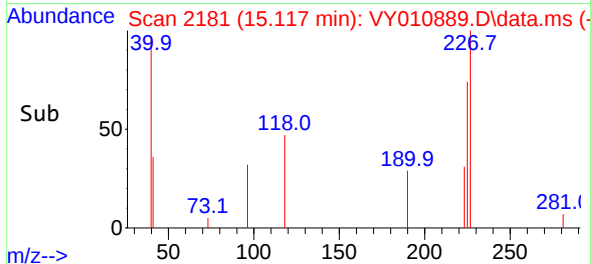
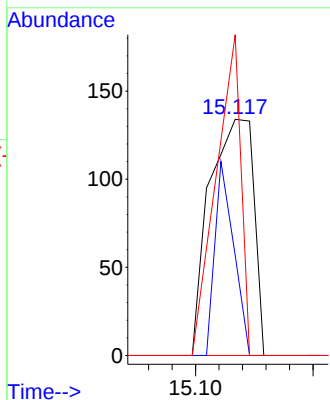


#94
Hexachlorobutadiene
Concen: 1.106 ug/l
RT: 15.117 min Scan# 2180
Delta R.T. 0.006 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

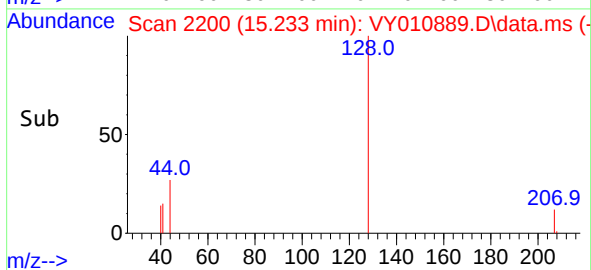
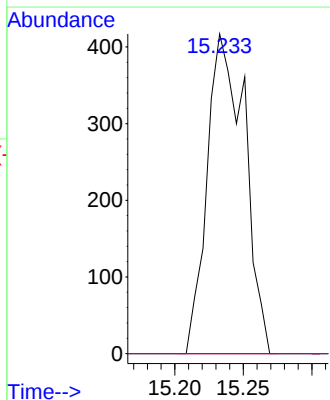
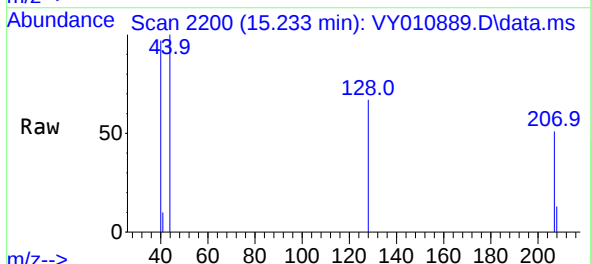


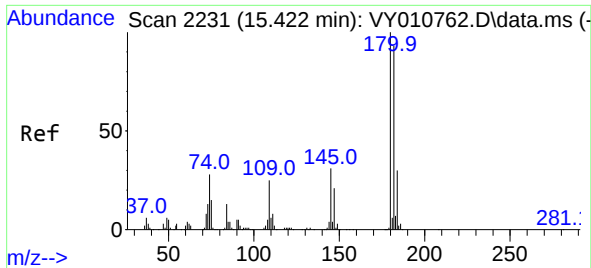
Tgt Ion:225 Resp: 174
Ion Ratio Lower Upper
225 100
223 35.1 30.8 92.3
227 77.0 31.6 94.7



#95
Naphthalene
Concen: 1.635 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010889.D
Acq: 10 Oct 2022 14:48

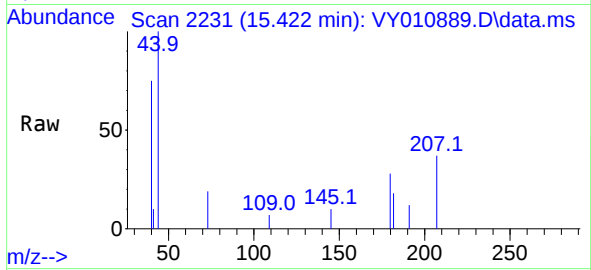
Tgt Ion:128 Resp: 795
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.421 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY010889.D
 Acq: 10 Oct 2022 14:48

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	309
Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.3	141.9
145	18.4	15.3	45.9

