

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030722\
 Data File : VY007768.D
 Acq On : 07 Mar 2022 19:51
 Operator : SY/MD
 Sample : N1806-01
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 08 03:04:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	15520	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	24203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	21105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8341	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10829	66.648	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.300%	
35) Dibromofluoromethane	7.716	113	8649	55.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.780%	
50) Toluene-d8	10.179	98	28749	50.473	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.940%	
62) 4-Bromofluorobenzene	12.477	95	8248	44.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.840%	

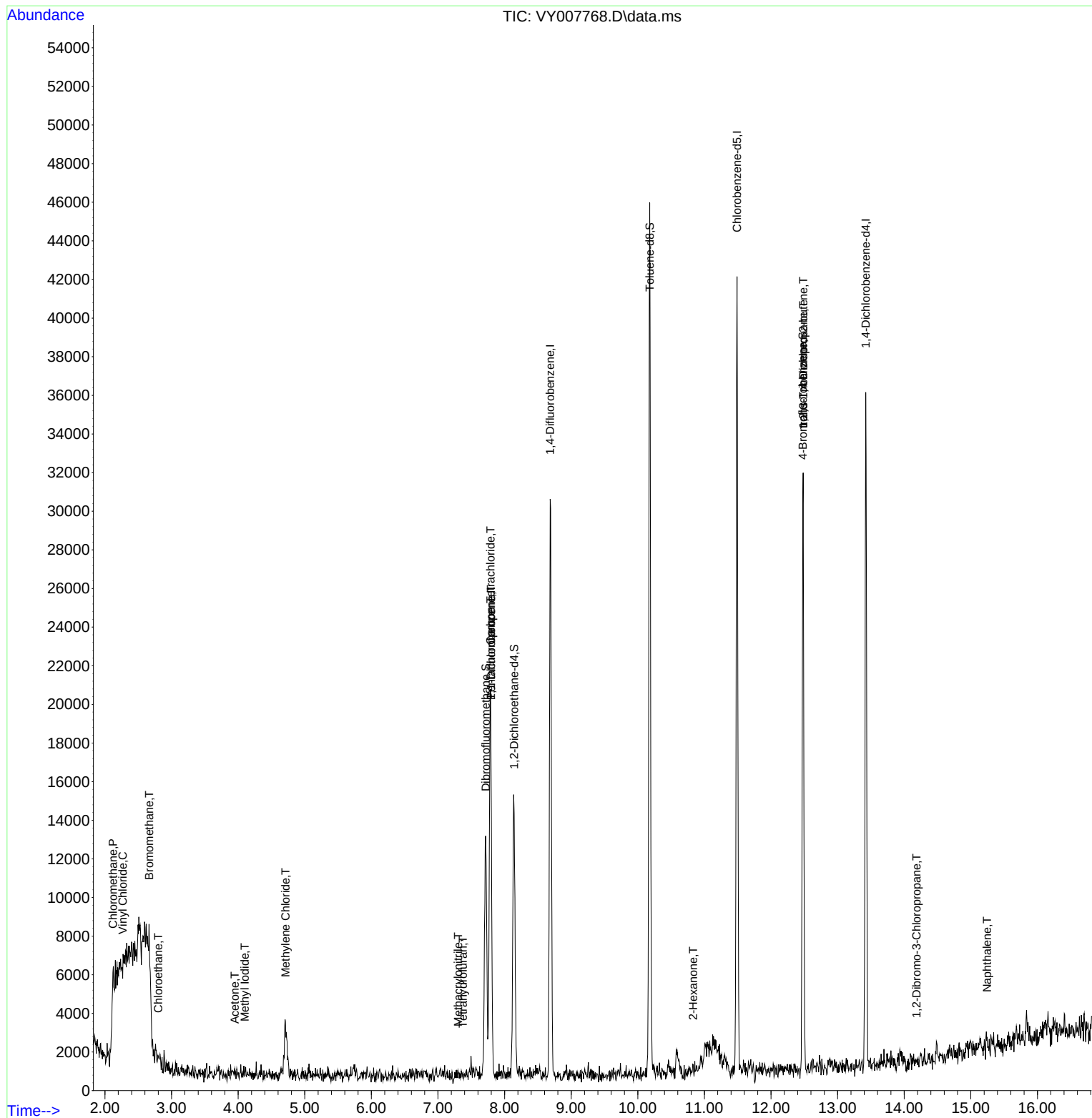
Target Compounds			Qvalue			
3) Chloromethane	2.119	50	1244	1.659	ug/l #	79
4) Vinyl Chloride	2.266	62	233	1.001	ug/l #	43
5) Bromomethane	2.662	94	556	2.955	ug/l #	64
6) Chloroethane	2.802	64	236	1.322	ug/l #	43
10) Methyl Iodide	4.101	142	375	1.898	ug/l #	76
13) Acrolein	3.741	56	53	Below Cal	#	14
16) Acetone	3.948	43	188	5.688	ug/l #	47
18) Methyl Acetate	4.472	43	27	Below Cal	#	56
20) Methylene Chloride	4.710	84	1969	8.829	ug/l #	70
29) Tetrahydrofuran	7.374	42	51	1.344	ug/l #	38
31) Cyclohexane	7.789	56	425	Below Cal	#	55
36) 1,1-Dichloropropene	7.795	75	1457	5.986	ug/l #	47
38) Carbon Tetrachloride	7.789	117	1704	6.562	ug/l #	11
41) Methacrylonitrile	7.301	41	101	1.572	ug/l #	1
59) 2-Hexanone	10.831	43	92	1.027	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	4937	53.001	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4937	108.354	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.184	75	30	1.454	ug/l #	6
95) Naphthalene	15.245	128	557	1.635	ug/l #	69

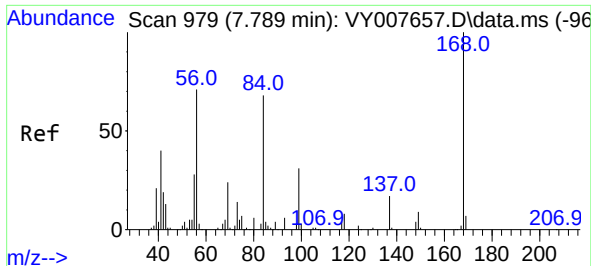
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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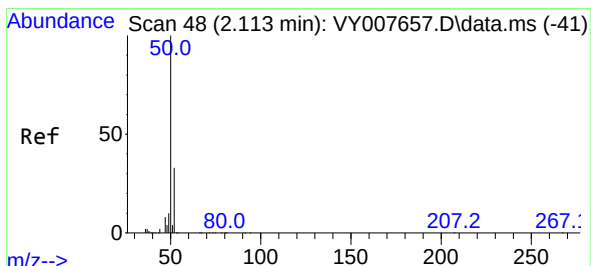
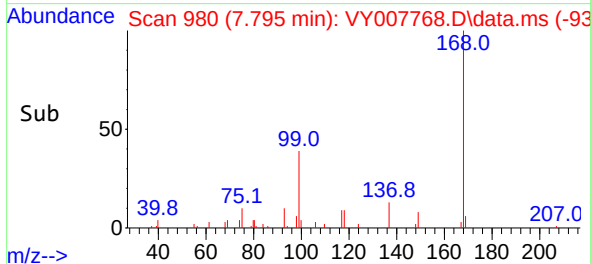
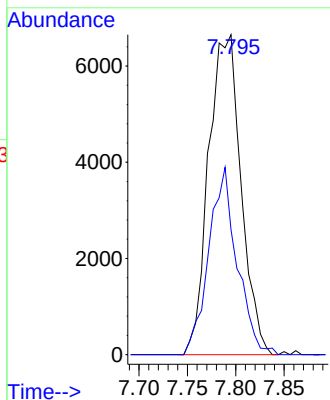
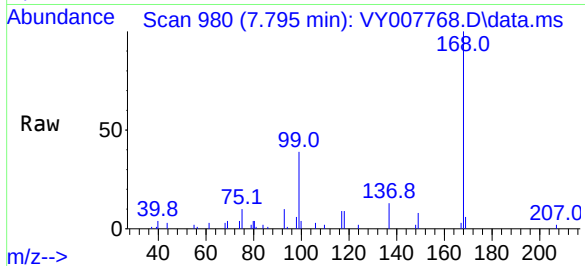




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

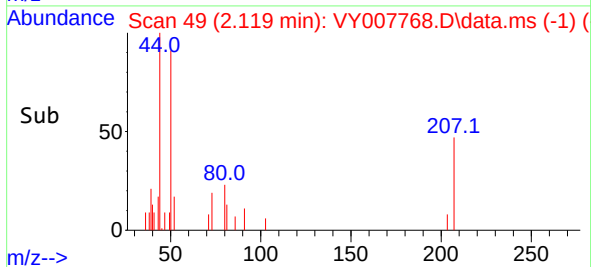
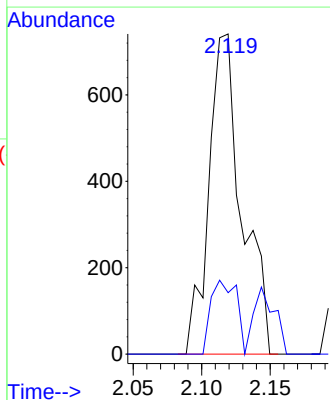
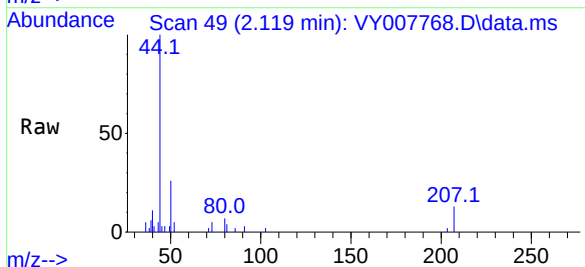
Instrument :
MSVOA_Y
ClientSampleId :

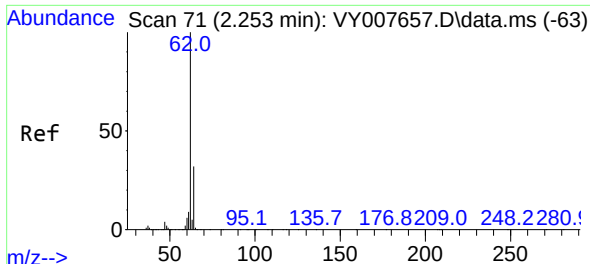
Tgt Ion:168 Resp: 15520
Ion Ratio Lower Upper
168 100
99 39.1 46.9 70.3#



#3
Chloromethane
Concen: 1.659 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Tgt Ion: 50 Resp: 1244
Ion Ratio Lower Upper
50 100
52 19.2 24.6 37.0#

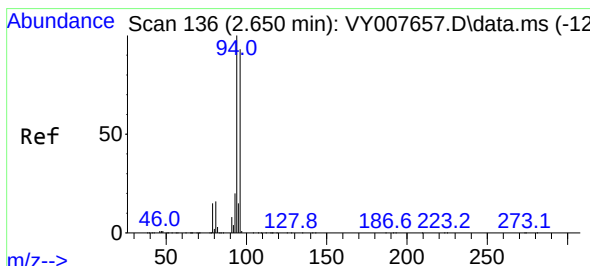
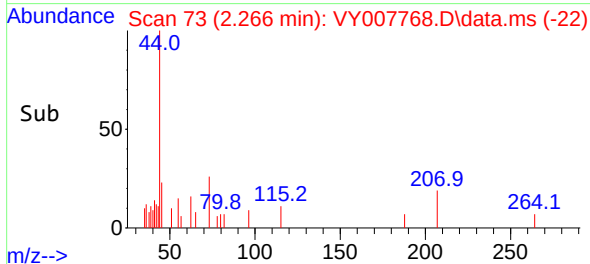
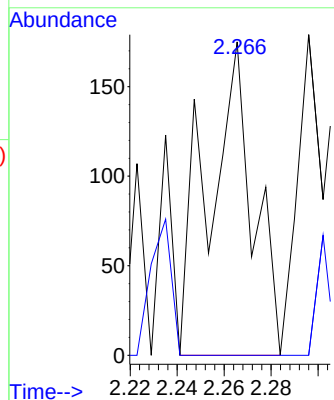
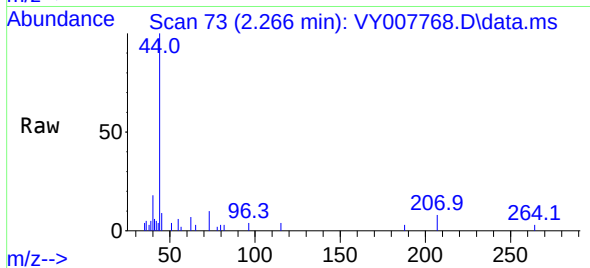




#4
 Vinyl Chloride
 Concen: 1.001 ug/l
 RT: 2.266 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VY007768.D
 Acq: 07 Mar 2022 19:51

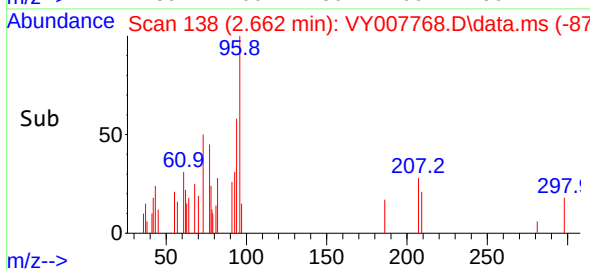
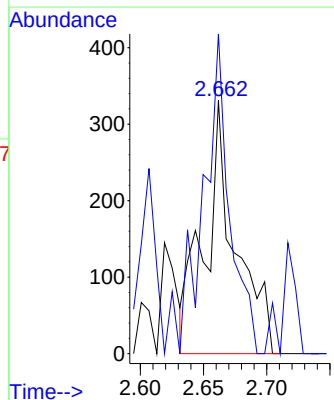
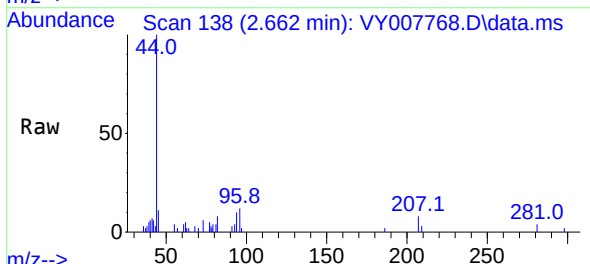
Instrument :
 MSVOA_Y
 ClientSampleId :

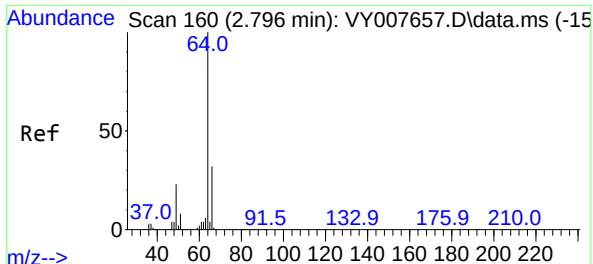
Tgt Ion: 62 Resp: 233
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 2.955 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY007768.D
 Acq: 07 Mar 2022 19:51

Tgt Ion: 94 Resp: 556
 Ion Ratio Lower Upper
 94 100
 96 126.3 73.5 110.3#

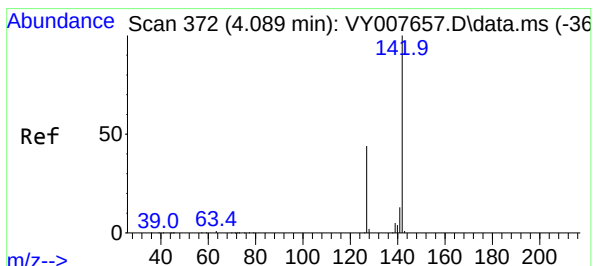
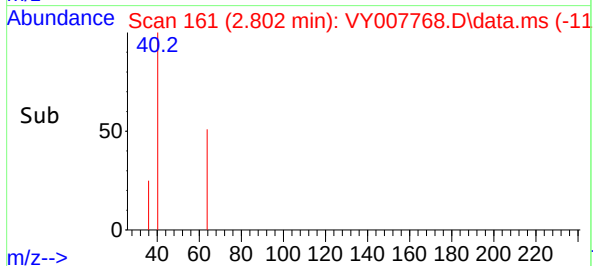
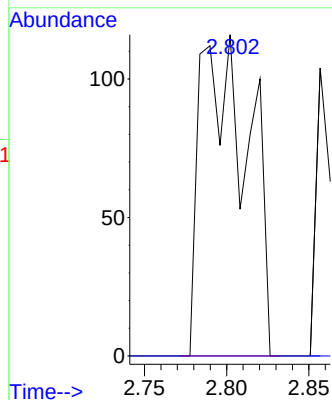
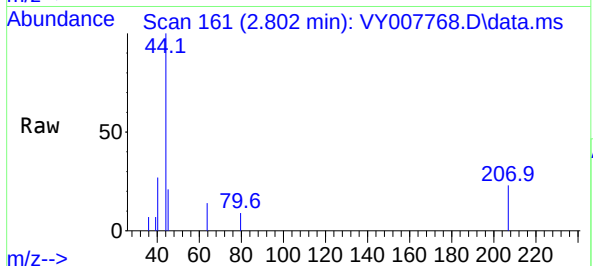




#6
Chloroethane
Concen: 1.322 ug/l
RT: 2.802 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

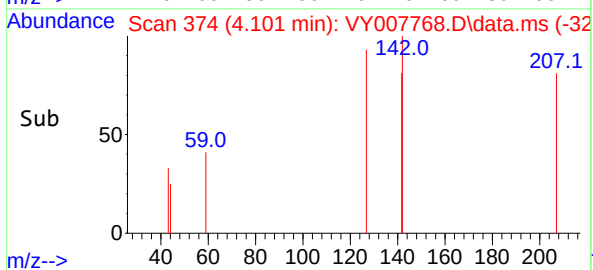
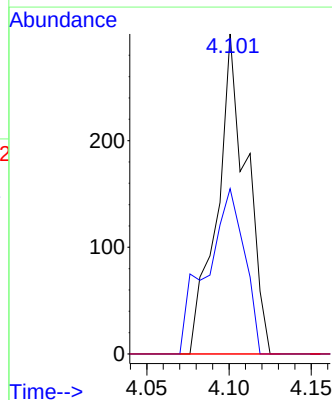
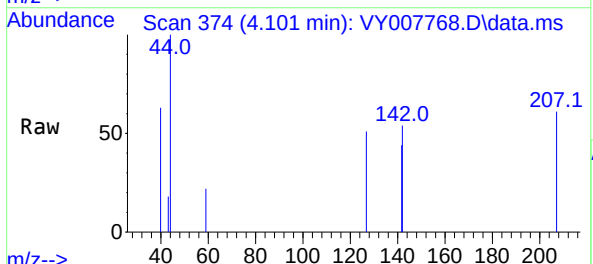
Instrument :
MSVOA_Y
ClientSampleId :

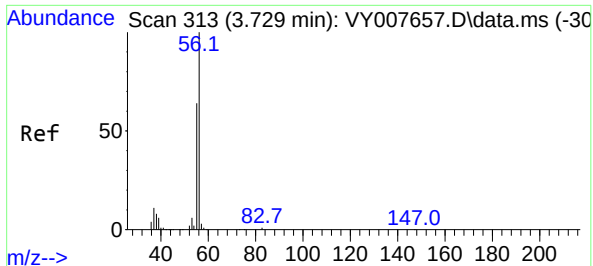
Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 1.898 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.012 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

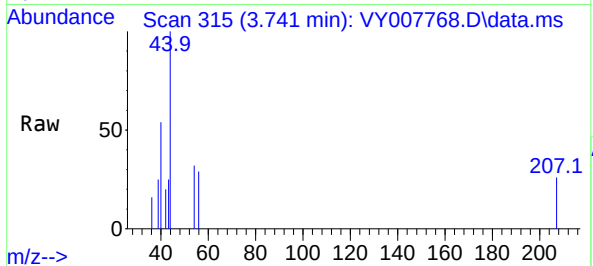
Tgt Ion:142 Resp: 375
Ion Ratio Lower Upper
142 100
127 66.4 41.5 62.3#
141 0.0 11.9 17.9#



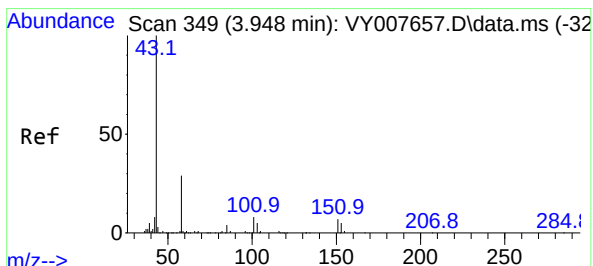
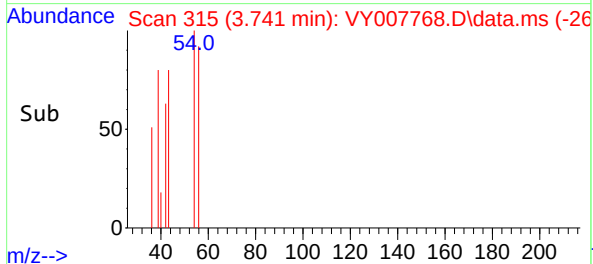
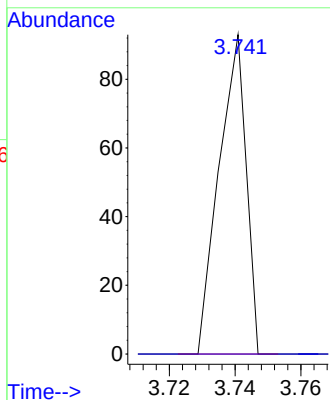


#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Instrument :
MSVOA_Y
ClientSampleId :

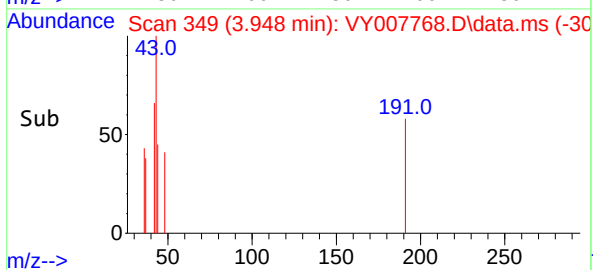
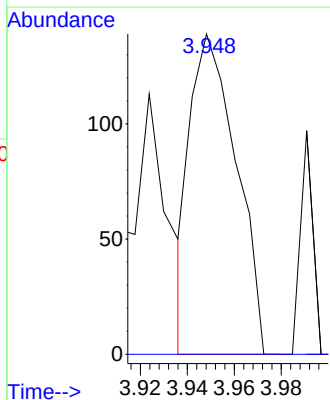
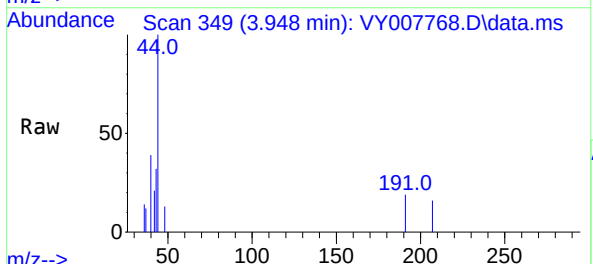


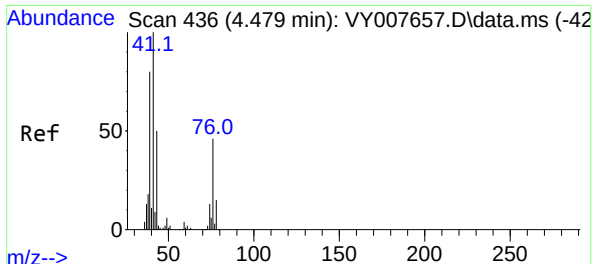
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 5.688 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

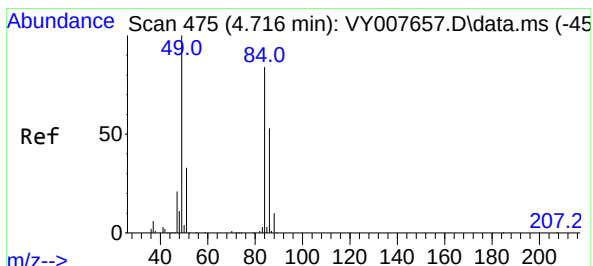
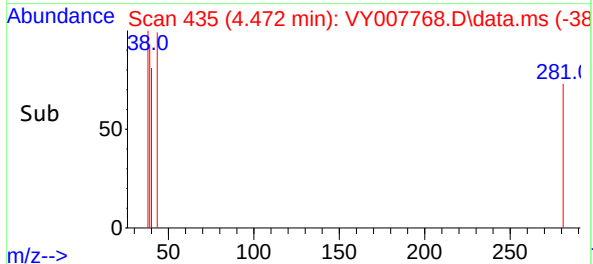
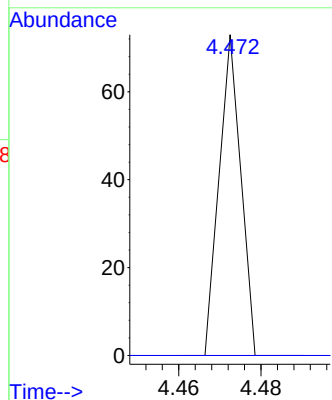
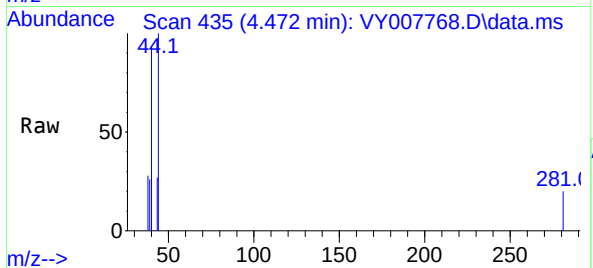




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

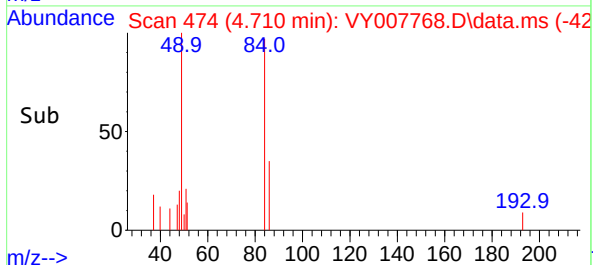
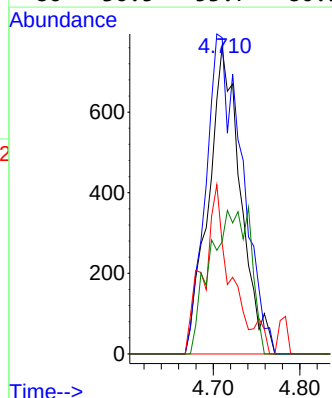
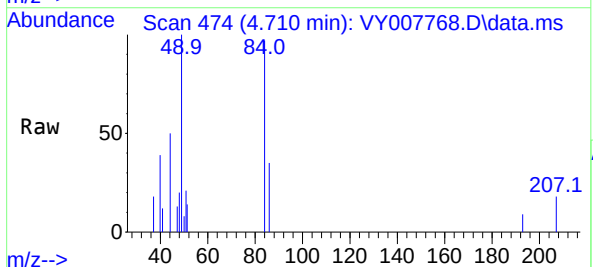
Instrument :
MSVOA_Y
ClientSampleId :

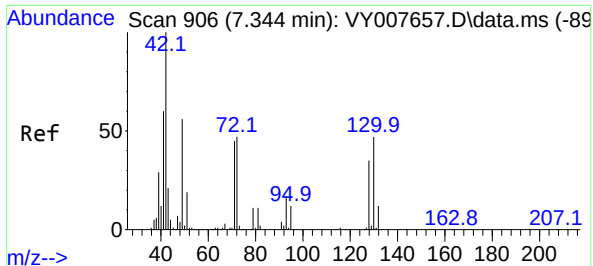
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 8.829 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

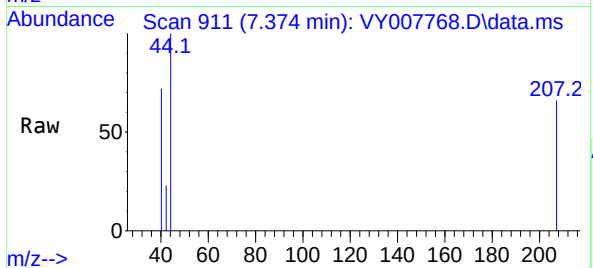
Tgt Ion: 84 Resp: 1969
Ion Ratio Lower Upper
84 100
49 103.2 114.4 171.6#
51 36.1 35.3 52.9
86 36.5 53.7 80.5#



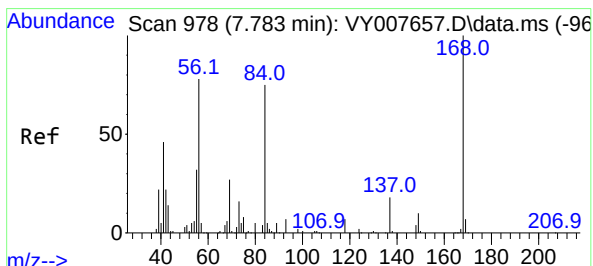
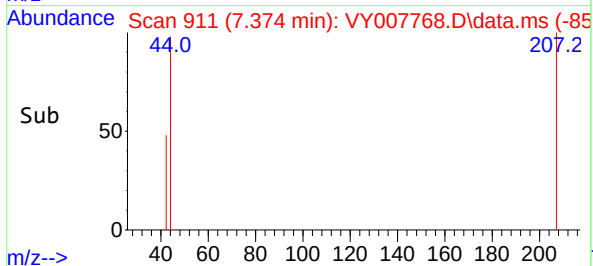
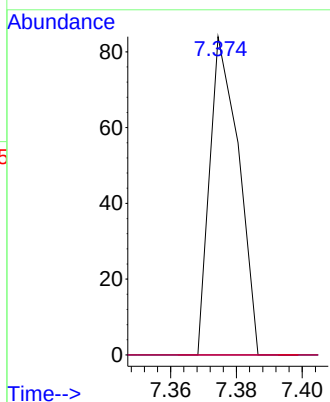


#29
Tetrahydrofuran
Concen: 1.344 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.030 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Instrument :
MSVOA_Y
ClientSampleId :

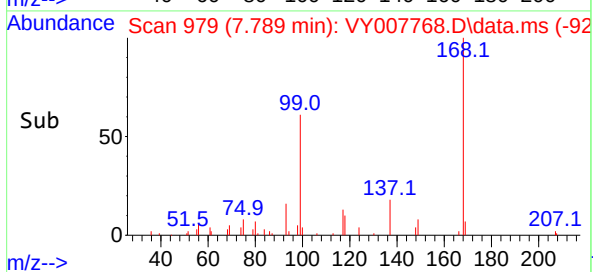
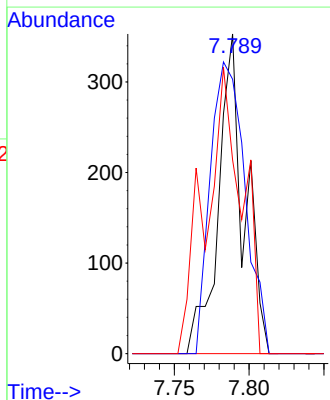
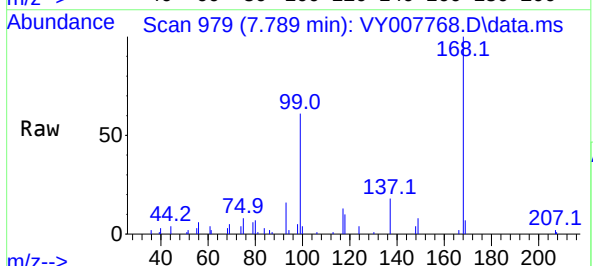


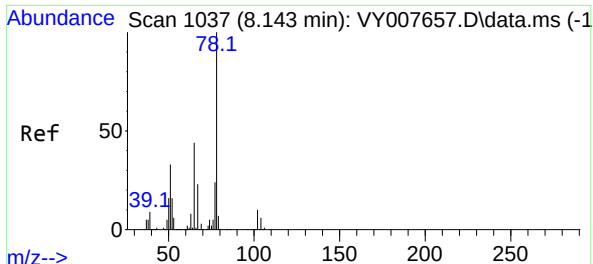
Tgt Ion: 42 Resp: 51
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Tgt Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
69 85.8 26.7 40.1#
84 60.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.648 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007768.D

Acq: 07 Mar 2022 19:51

Instrument :

MSVOA_Y

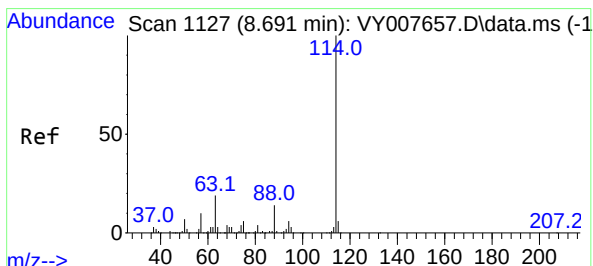
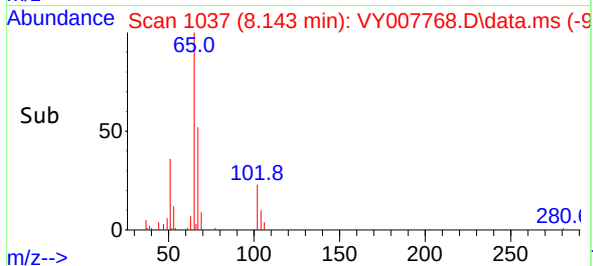
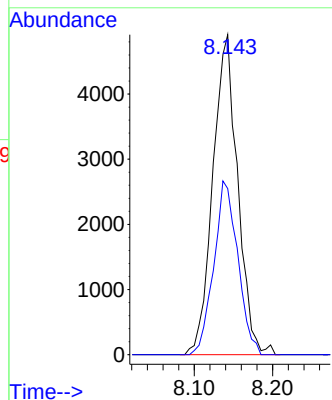
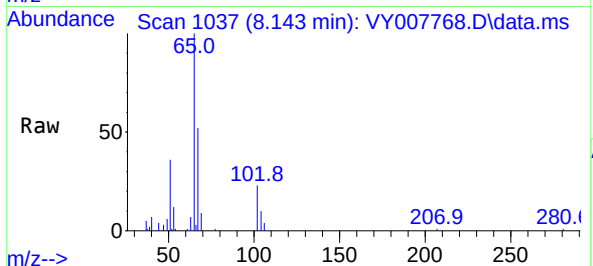
ClientSampleId :

Tgt Ion: 65 Resp: 10829

Ion Ratio Lower Upper

65 100

67 52.4 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: VY007768.D

Acq: 07 Mar 2022 19:51

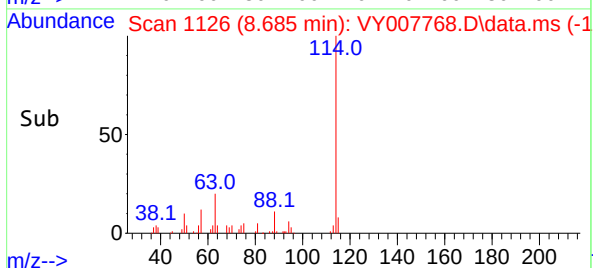
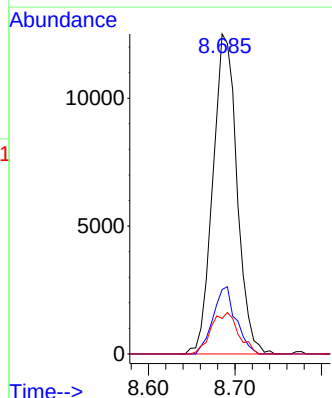
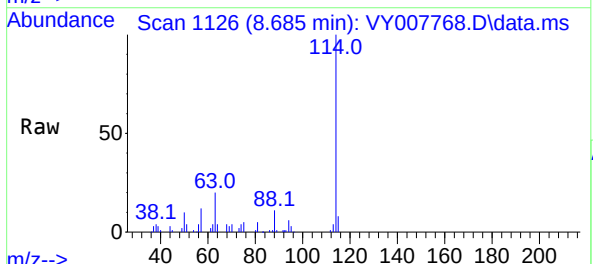
Tgt Ion: 114 Resp: 24203

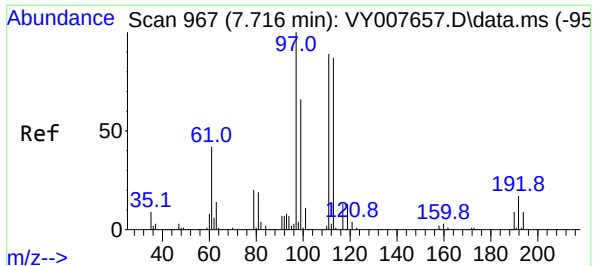
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

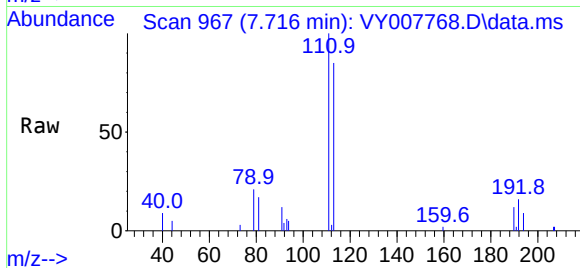
88 11.1 0.0 31.8



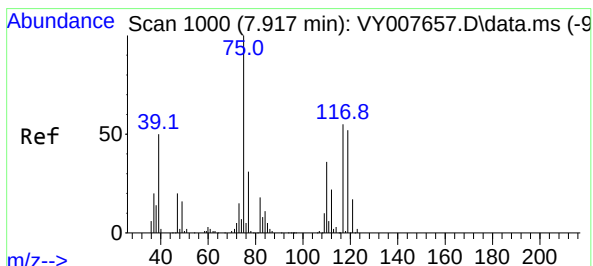
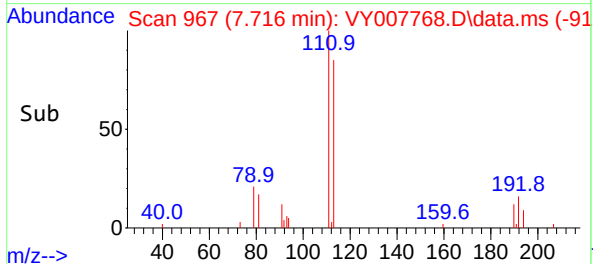
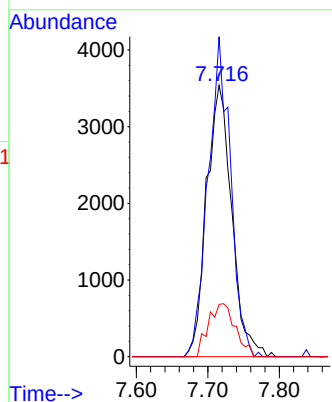


#35
Dibromofluoromethane
Concen: 55.895 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Instrument :
MSVOA_Y
ClientSampleId :

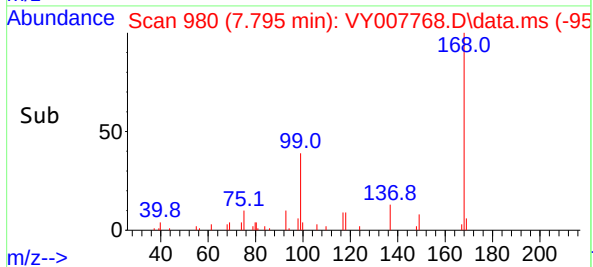
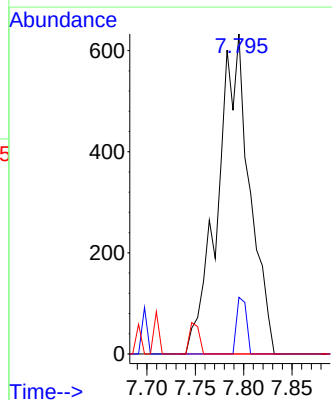
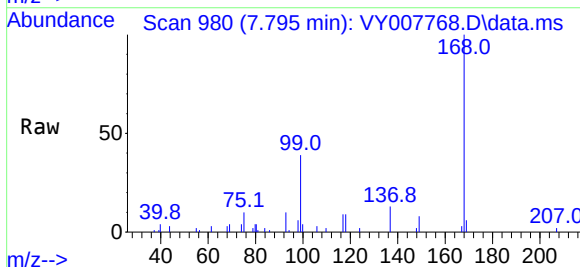


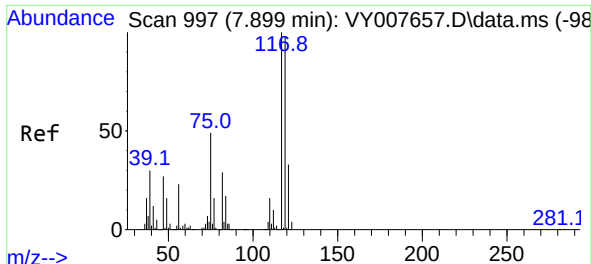
Tgt Ion:113 Resp: 8649
Ion Ratio Lower Upper
113 100
111 105.4 82.6 124.0
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.986 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

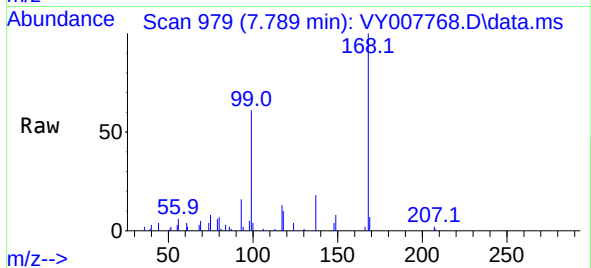
Tgt Ion: 75 Resp: 1457
Ion Ratio Lower Upper
75 100
110 5.4 17.1 51.2#
77 0.0 24.4 36.6#



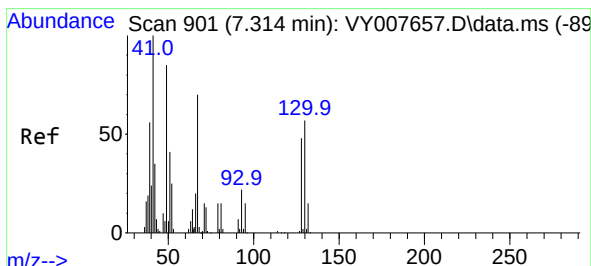
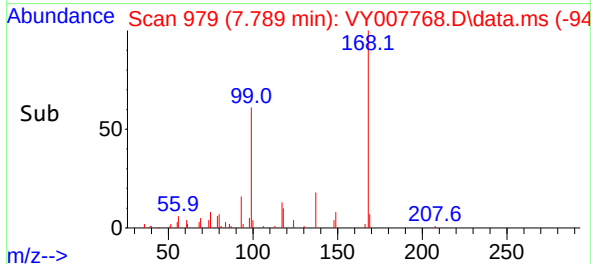
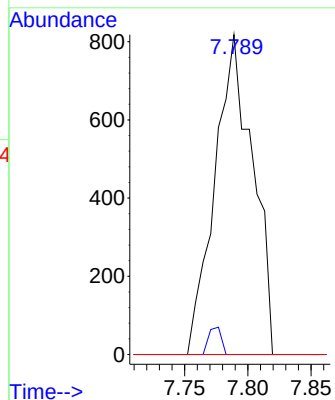


#38
Carbon Tetrachloride
Concen: 6.562 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Instrument :
MSVOA_Y
ClientSampleId :

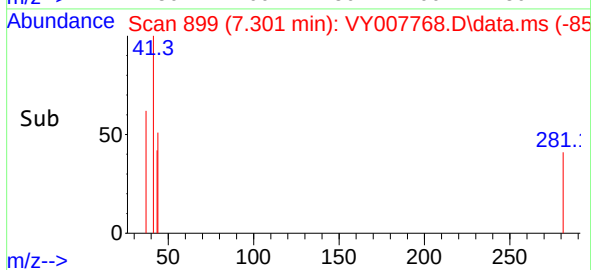
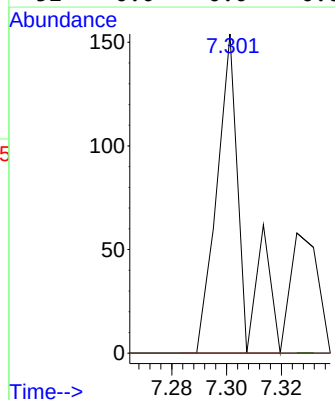
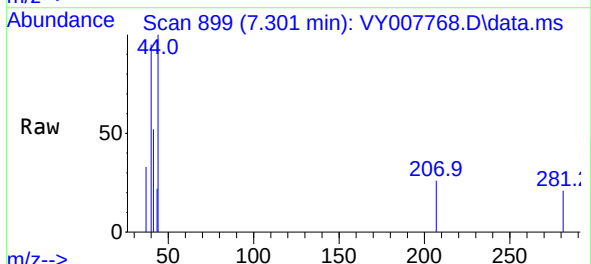


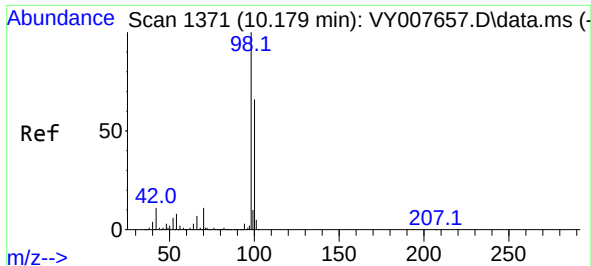
Tgt Ion: 117 Resp: 1704
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.572 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.013 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Tgt Ion: 41 Resp: 101
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

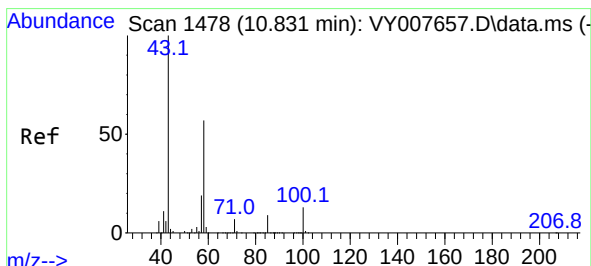
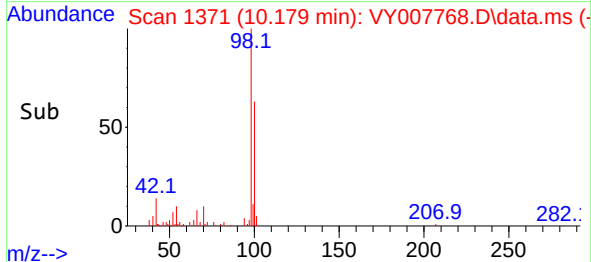
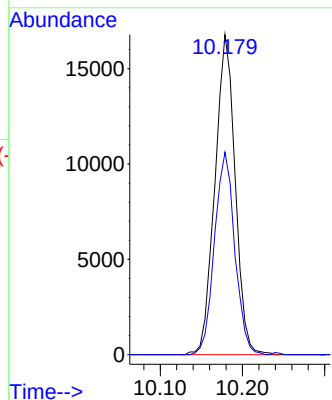
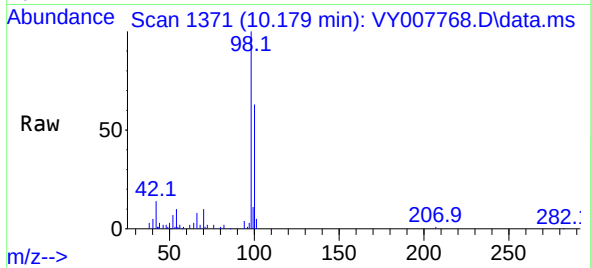




#50
Toluene-d8
Concen: 50.473 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

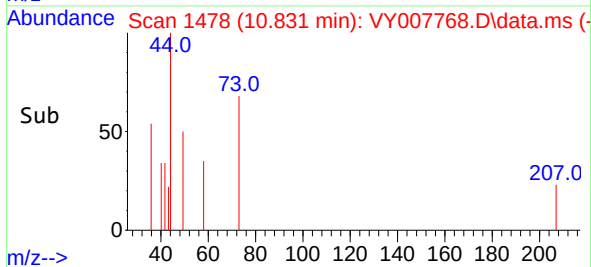
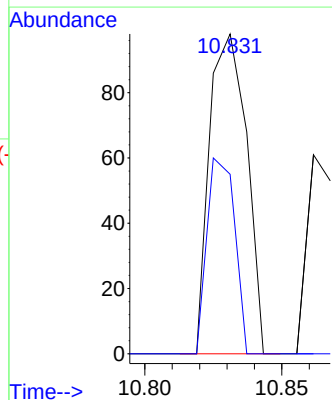
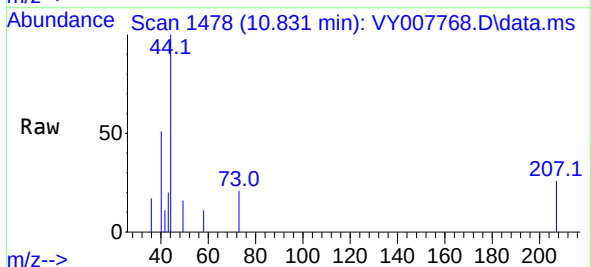
Instrument :
MSVOA_Y
ClientSampleId :

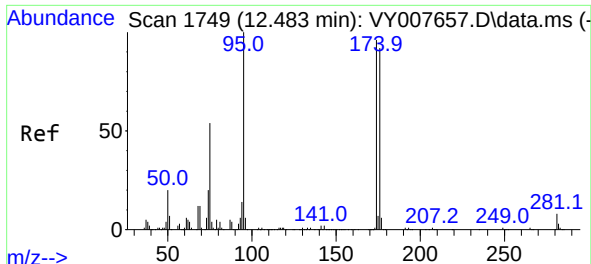
Tgt Ion: 98 Resp: 28749
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2



#59
2-Hexanone
Concen: 1.027 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Tgt Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
58 45.7 24.4 73.4

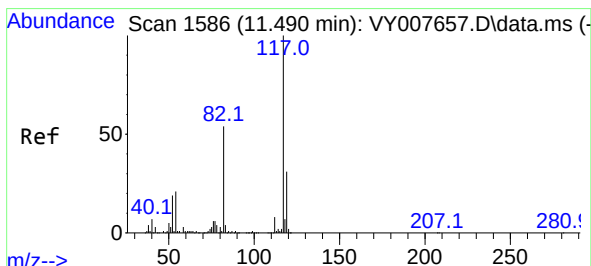
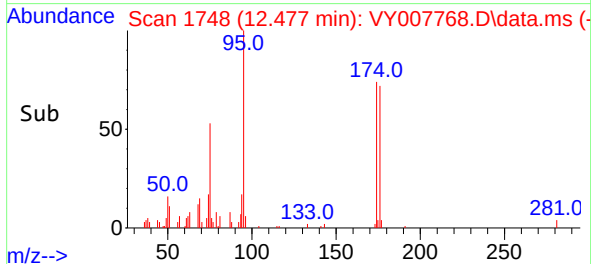
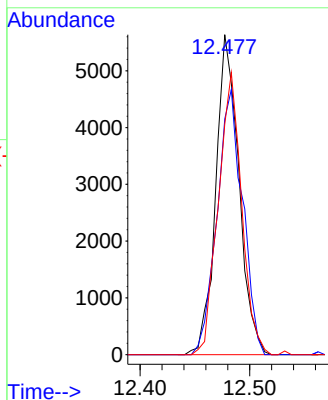
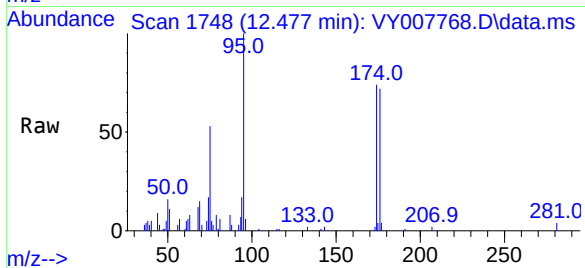




#62
4-Bromofluorobenzene
Concen: 44.922 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

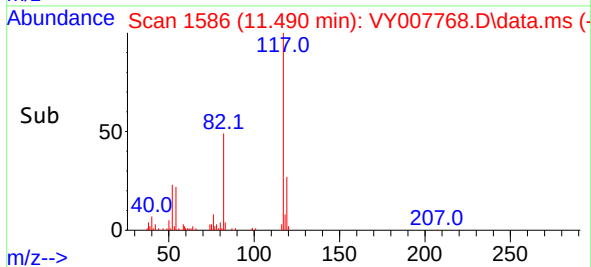
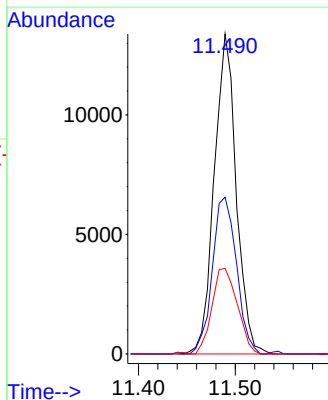
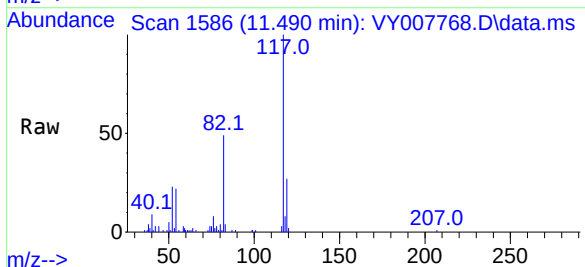
Instrument :
MSVOA_Y
ClientSampleId :

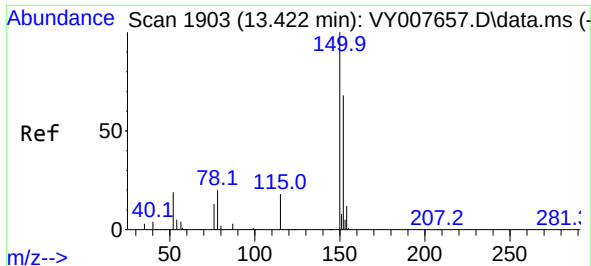
Tgt Ion: 95 Resp: 8248
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 89.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Tgt Ion: 117 Resp: 21105
Ion Ratio Lower Upper
117 100
82 48.4 43.0 64.4
119 26.7 25.4 38.0

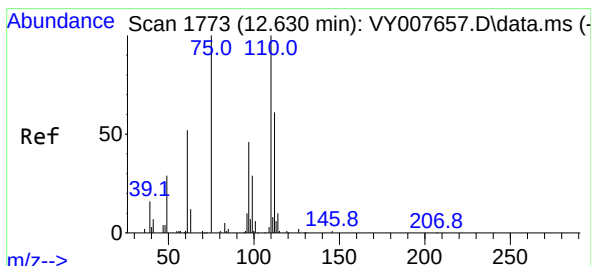
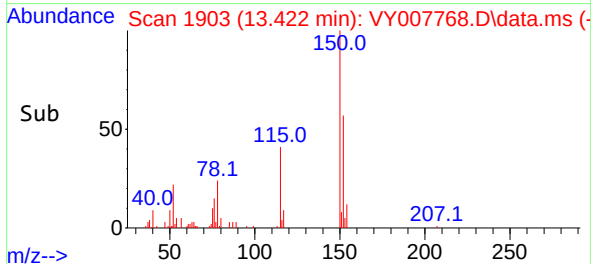
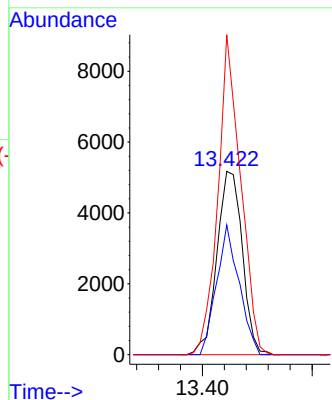
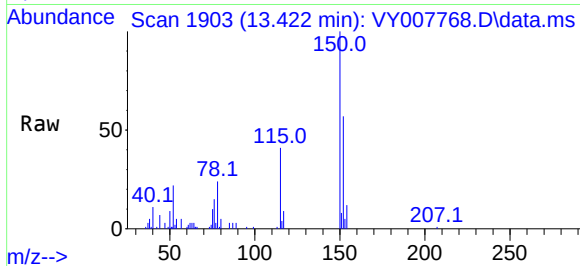




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY007768.D
 Acq: 07 Mar 2022 19:51

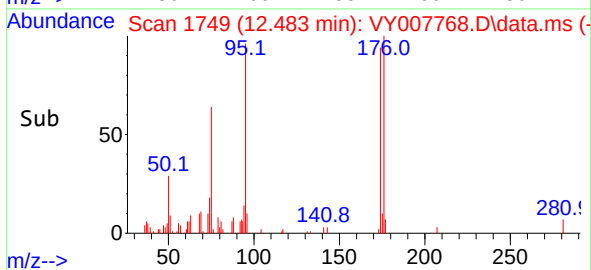
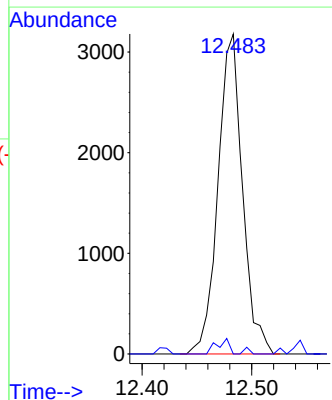
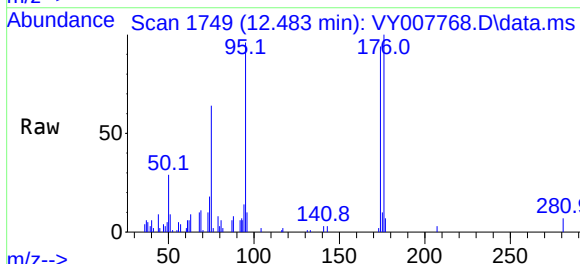
Instrument :
 MSVOA_Y
 ClientSampleId :

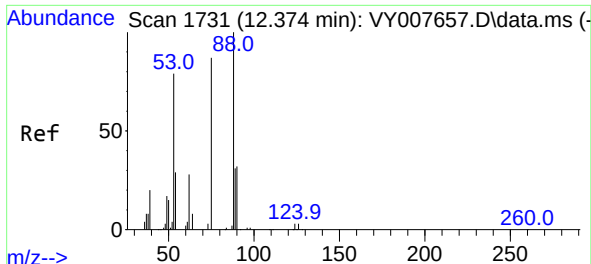
Tgt Ion:152 Resp: 8341
 Ion Ratio Lower Upper
 152 100
 115 62.8 28.2 84.7
 150 156.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 53.001 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY007768.D
 Acq: 07 Mar 2022 19:51

Tgt Ion: 75 Resp: 4937
 Ion Ratio Lower Upper
 75 100
 77 2.5 0.0 0.0#

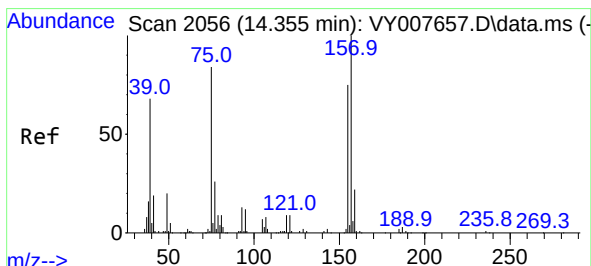
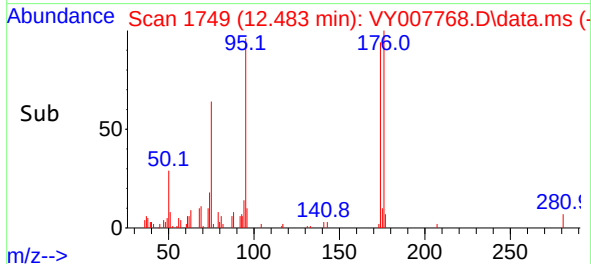
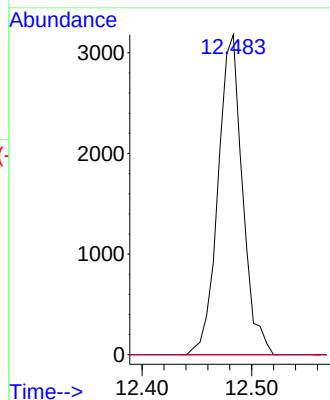
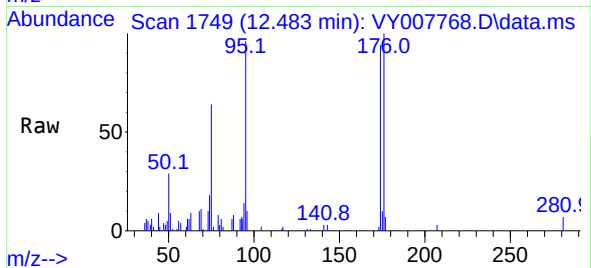




#81
trans-1,4-Dichloro-2-butene
Concen: 108.354 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

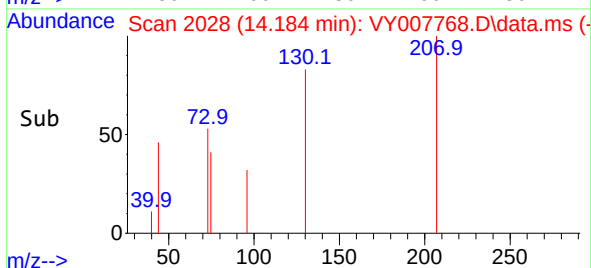
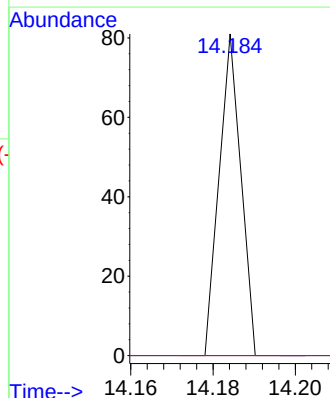
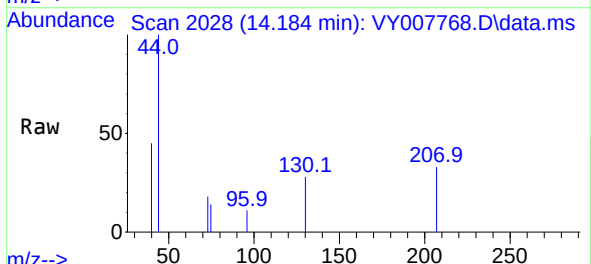
Instrument :
MSVOA_Y
ClientSampleId :

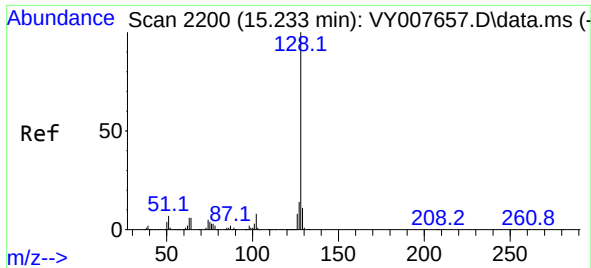
Tgt Ion: 75 Resp: 4937
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.454 ug/l
RT: 14.184 min Scan# 2028
Delta R.T. -0.171 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

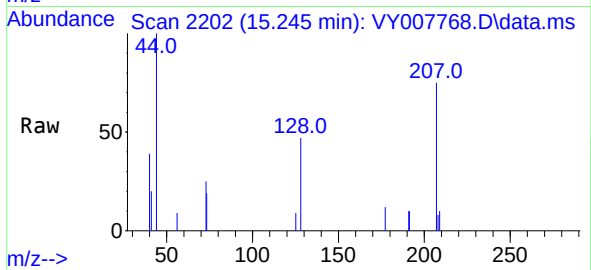
Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95
Naphthalene
Concen: 1.635 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY007768.D
Acq: 07 Mar 2022 19:51

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	557
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

