

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008864.D
 Acq On : 19 May 2022 13:50
 Operator : KP/MD
 Sample : N2832-04RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB20RE

Quant Time: May 19 16:59:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

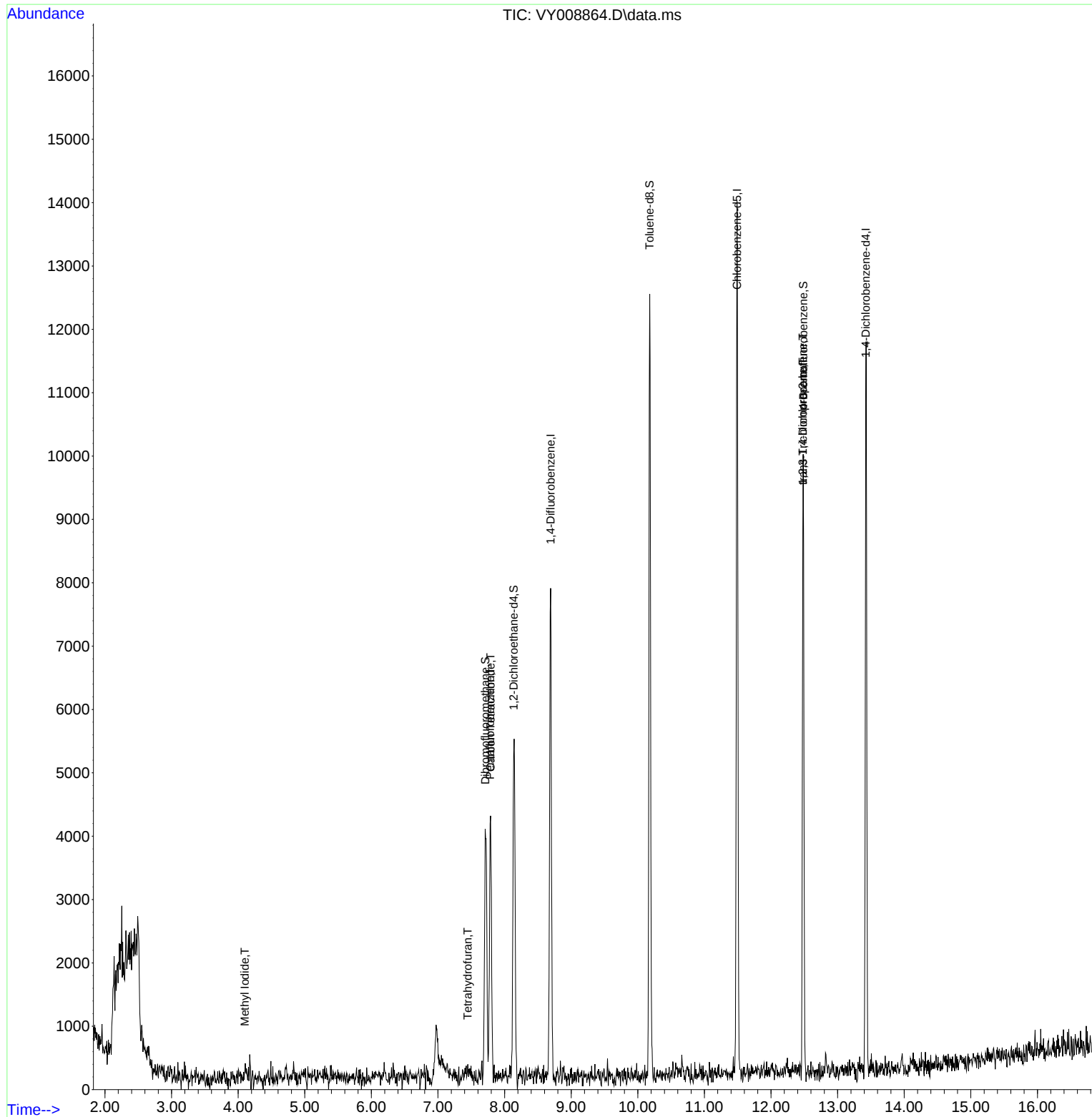
Internal Standards						
1) Pentafluorobenzene	7.783	168	3558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3816	115.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 231.220%#	
35) Dibromofluoromethane	7.710	113	2991	75.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 151.340%#	
50) Toluene-d8	10.179	98	8360	47.736	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.480%	
62) 4-Bromofluorobenzene	12.483	95	2668	43.072	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.140%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	265	Below Cal		94
4) Vinyl Chloride	2.247	62	75	Below Cal	#	43
5) Bromomethane	2.662	94	32	Below Cal	#	52
6) Chloroethane	2.711	64	23	Below Cal	#	43
10) Methyl Iodide	4.101	142	174	4.720	ug/l #	35
18) Methyl Acetate	4.223	43	48	Below Cal	#	56
29) Tetrahydrofuran	7.448	42	44	4.768	ug/l #	38
31) Cyclohexane	7.795	56	20	Below Cal	#	17
38) Carbon Tetrachloride	7.789	117	290	4.274	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	1536	45.044	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1536	98.525	ug/l #	7

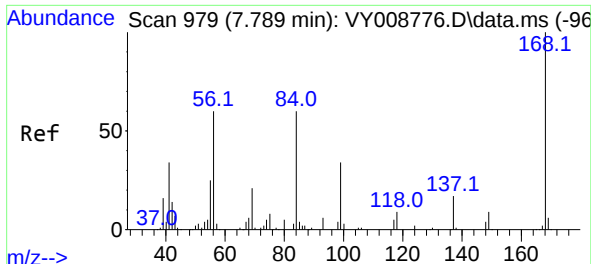
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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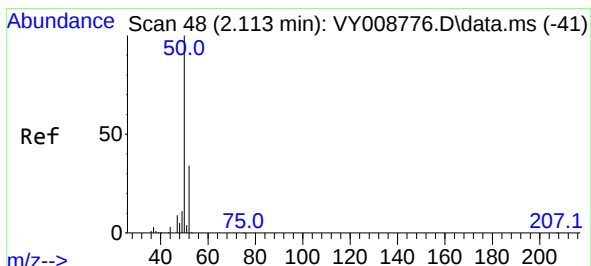
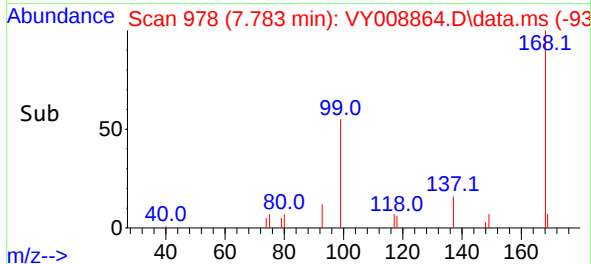
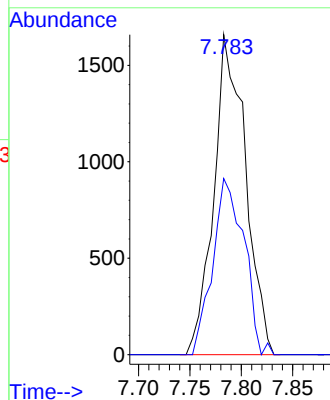
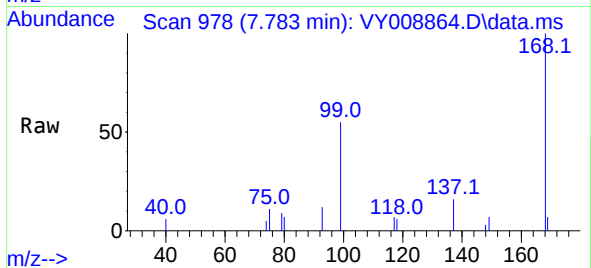




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

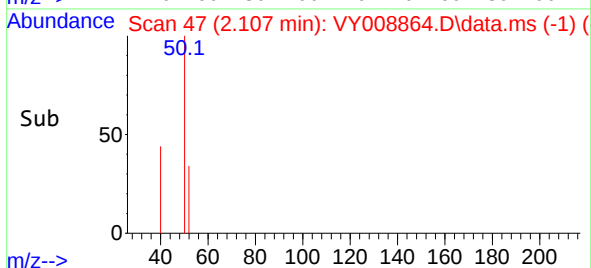
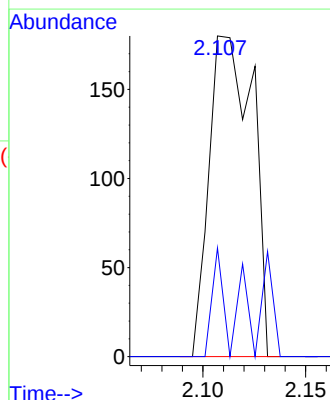
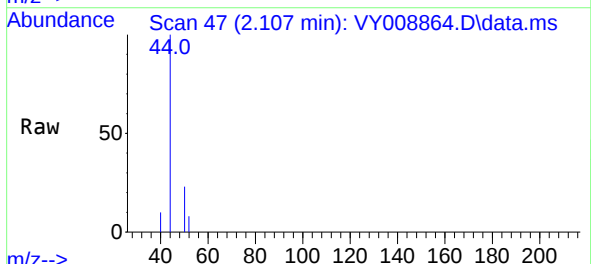
Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

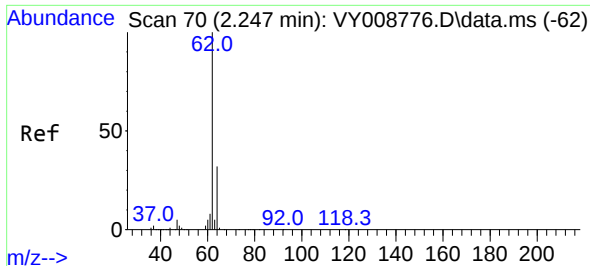
Tgt Ion:168 Resp: 3558
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 33.9 24.6 37.0





#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008864.D
 Acq: 19 May 2022 13:50

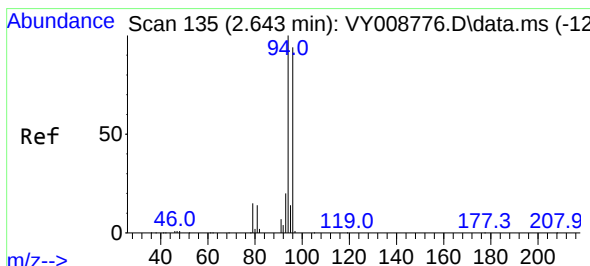
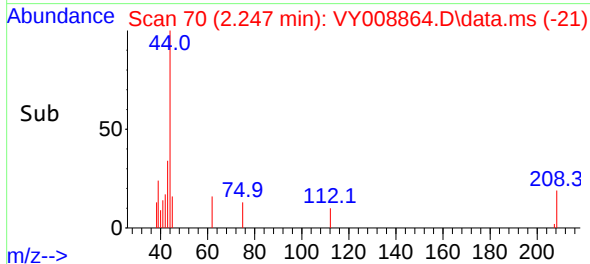
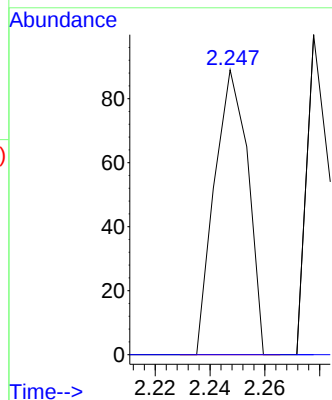
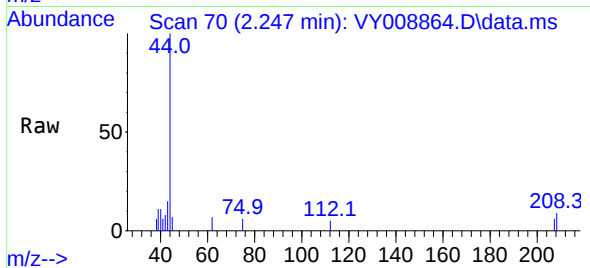
Instrument :

MSVOA_Y

ClientSampleId :

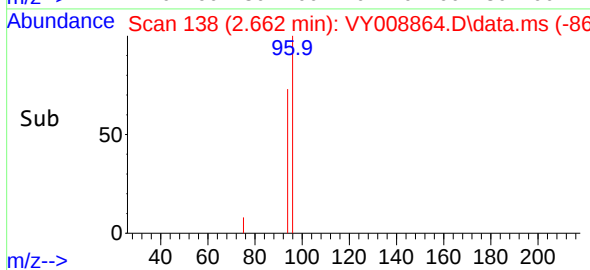
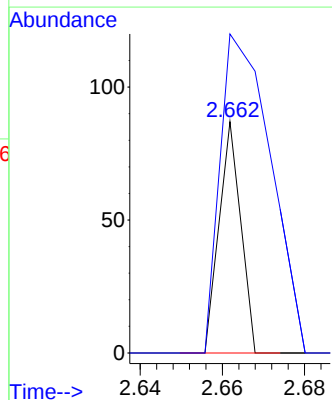
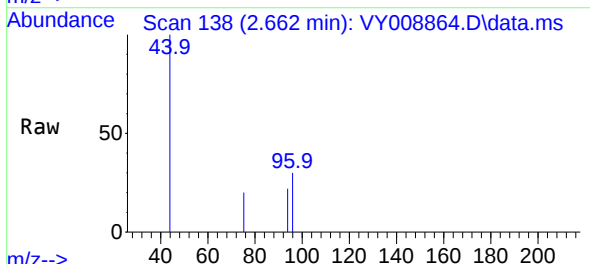
SB20RE

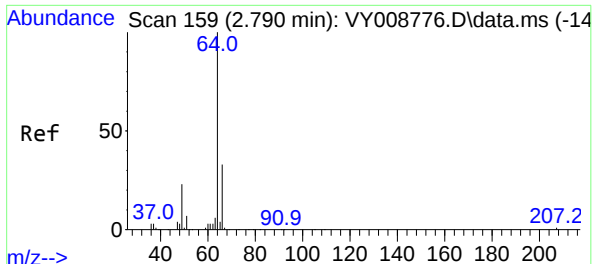
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.019 min
 Lab File: VY008864.D
 Acq: 19 May 2022 13:50

Tgt Ion: 94 Resp: 32
 Ion Ratio Lower Upper
 94 100
 96 137.9 73.5 110.3#

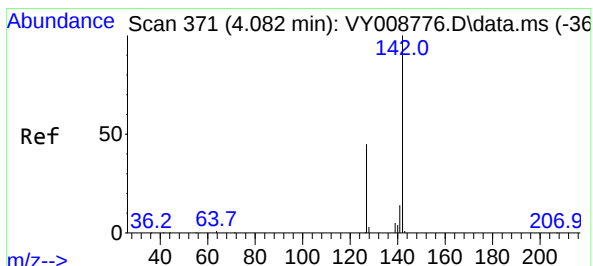
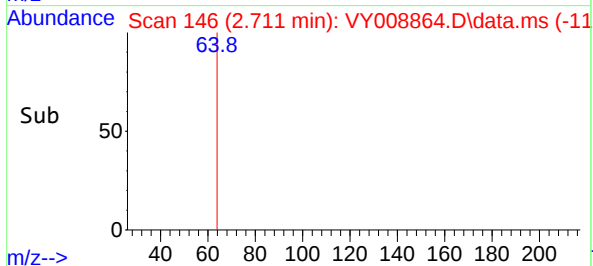
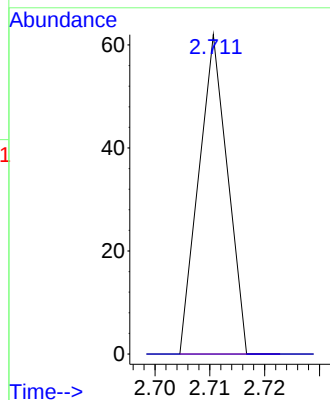
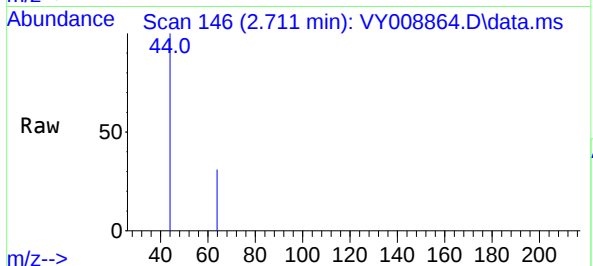




#6
Chloroethane
Concen: Below Cal
RT: 2.711 min Scan# 14
Delta R.T. -0.079 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

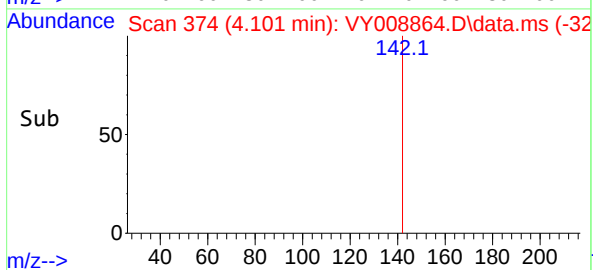
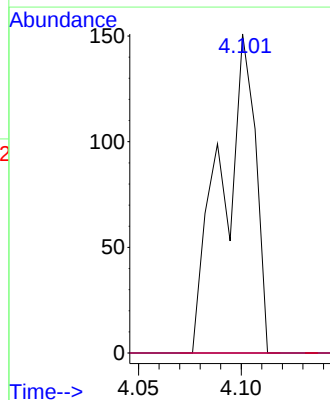
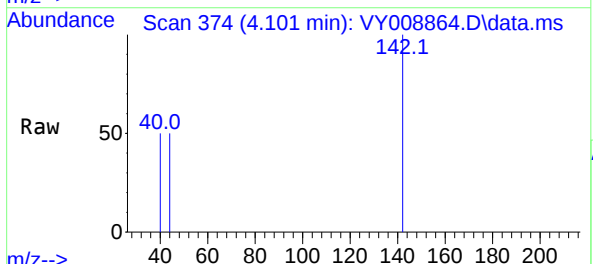
Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

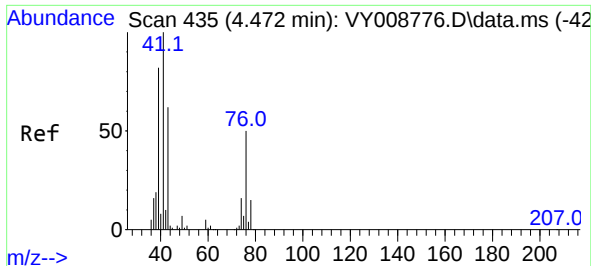
Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 4.720 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion:142 Resp: 174
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

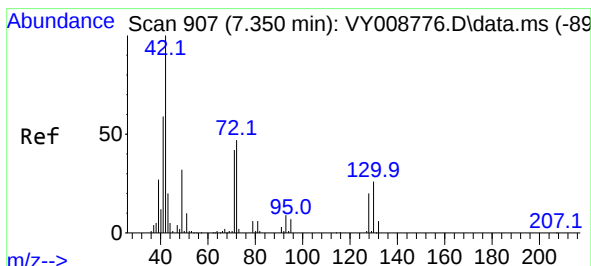
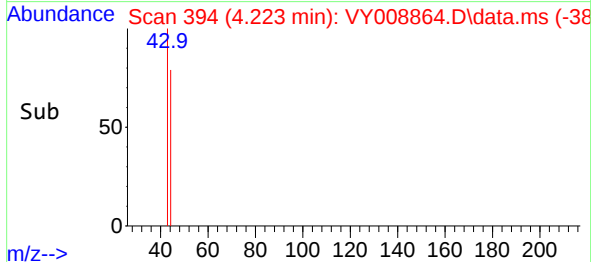
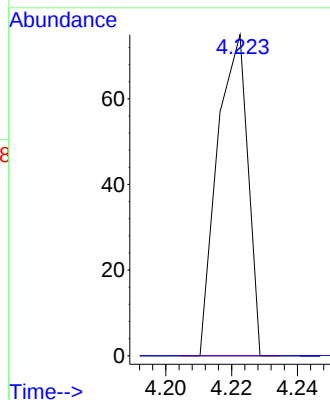
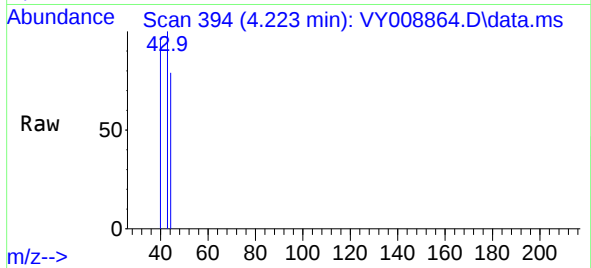




#18
Methyl Acetate
Concen: Below Cal
RT: 4.223 min Scan# 394
Delta R.T. -0.249 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

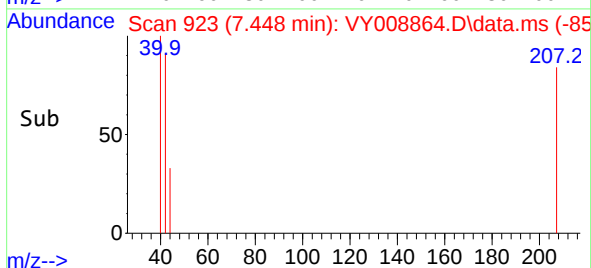
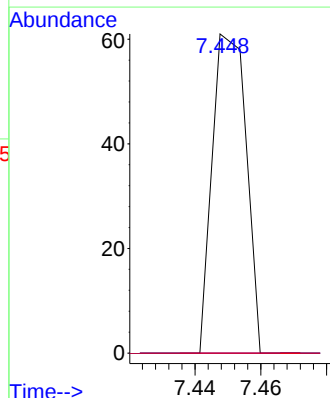
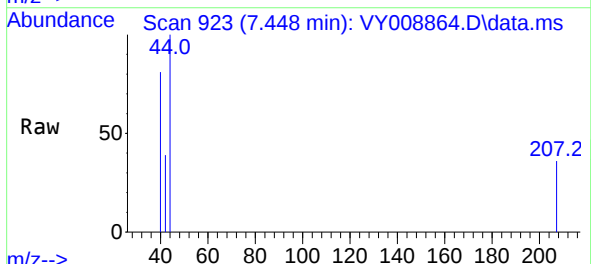
Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

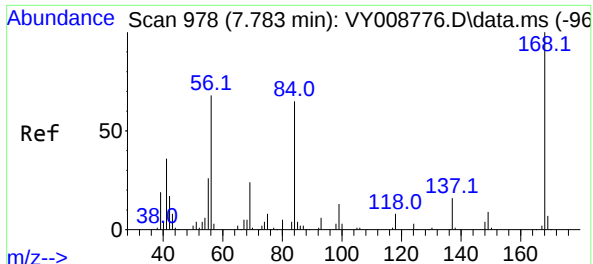
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#29
Tetrahydrofuran
Concen: 4.768 ug/l
RT: 7.448 min Scan# 923
Delta R.T. 0.098 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion: 42 Resp: 44
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#

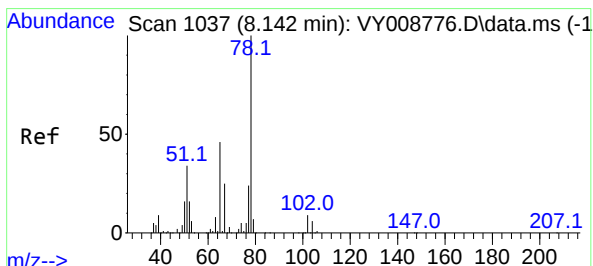
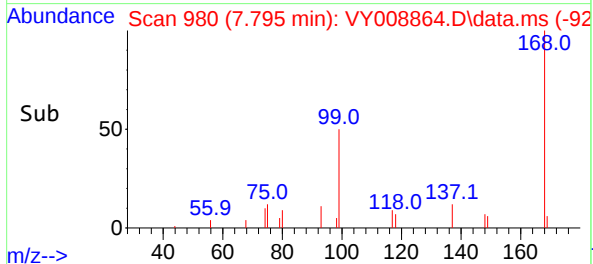
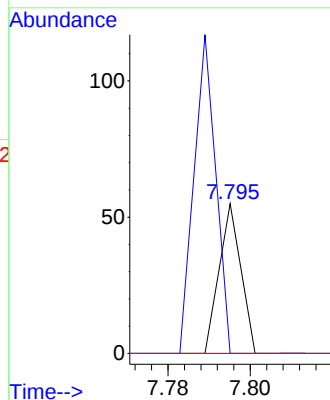
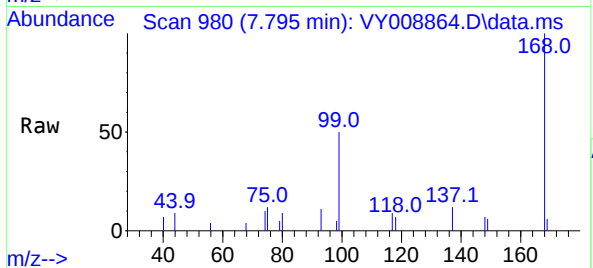




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

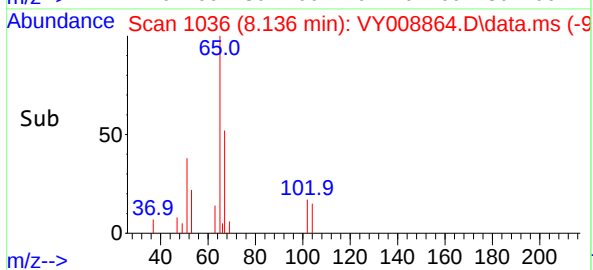
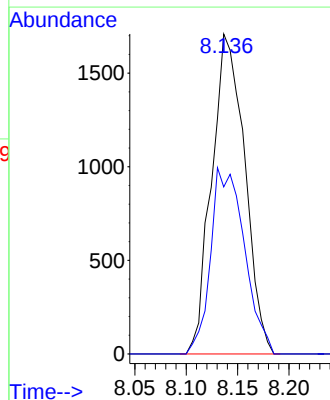
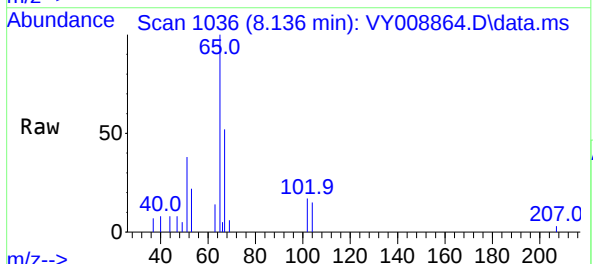
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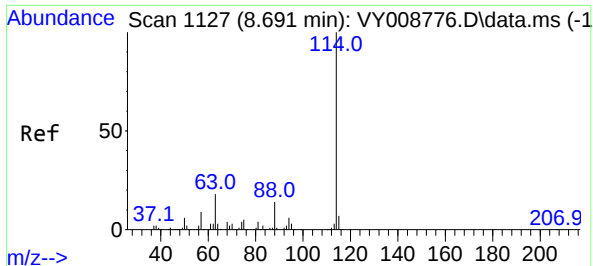
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 0.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 115.609 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion: 65 Resp: 3816
Ion Ratio Lower Upper
65 100
67 59.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008864.D

Acq: 19 May 2022 13:50

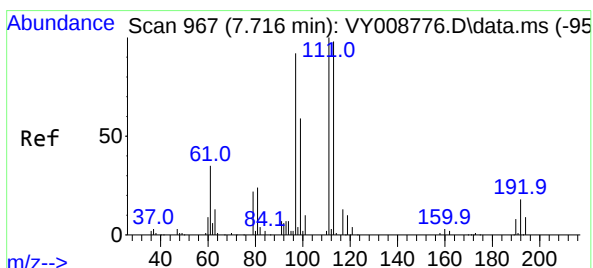
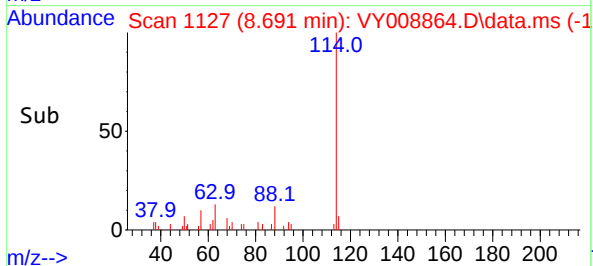
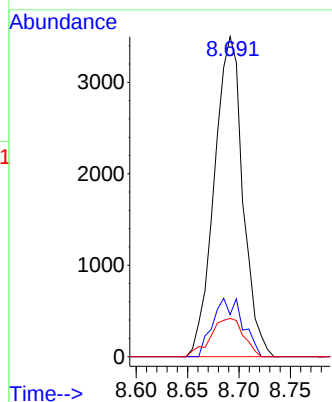
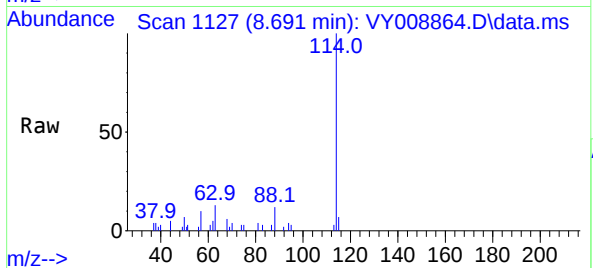
Instrument :

MSVOA_Y

ClientSampleId :

SB20RE

Tgt Ion:	114	Resp:	6765
Ion	Ratio	Lower	Upper
114	100		
63	13.1	0.0	43.2
88	12.0	0.0	31.8



#35

Dibromofluoromethane

Concen: 75.671 ug/l

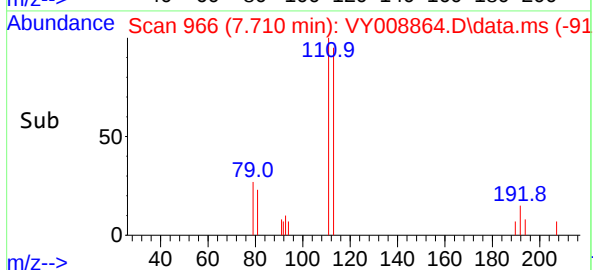
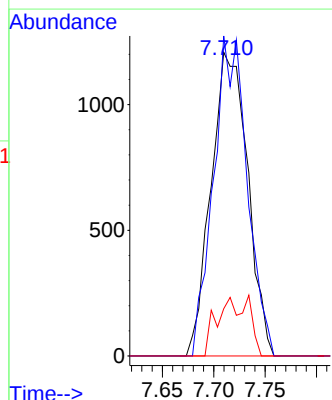
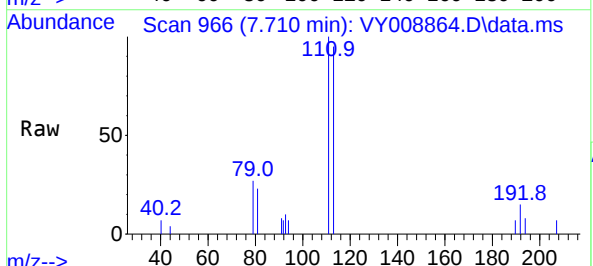
RT: 7.710 min Scan# 966

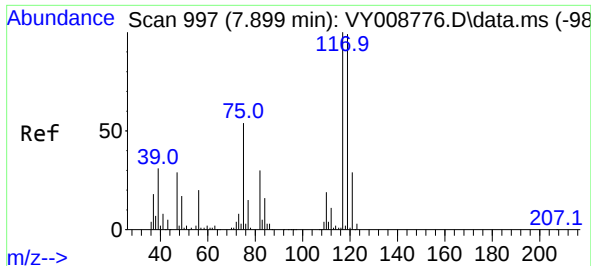
Delta R.T. -0.006 min

Lab File: VY008864.D

Acq: 19 May 2022 13:50

Tgt Ion:	113	Resp:	2991
Ion	Ratio	Lower	Upper
113	100		
111	96.8	82.6	124.0
192	0.0	17.6	26.4

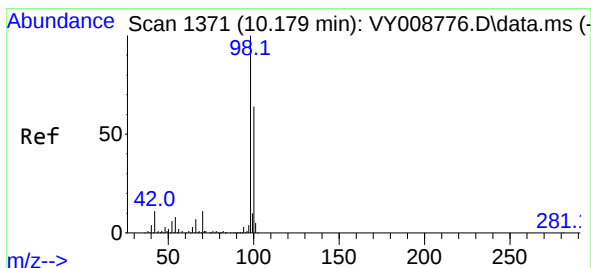
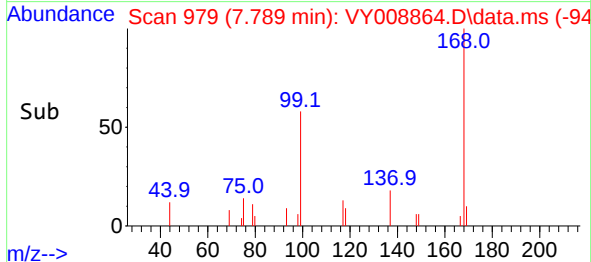
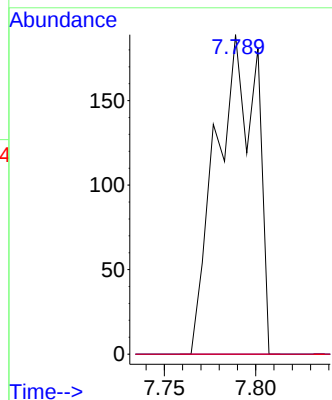
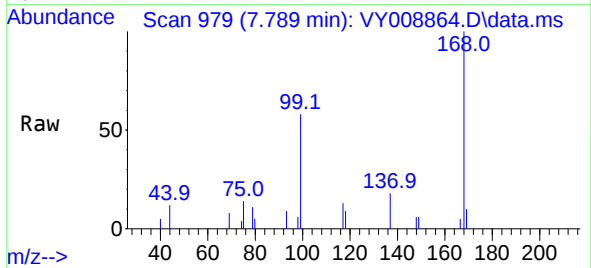




#38
Carbon Tetrachloride
Concen: 4.274 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

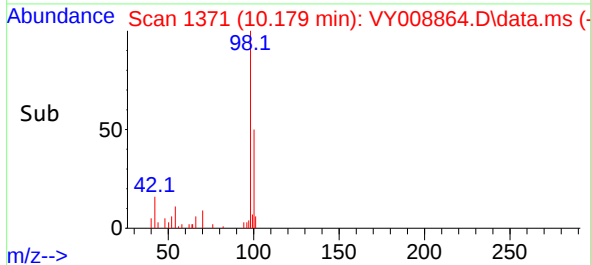
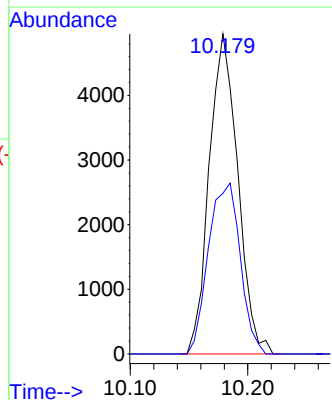
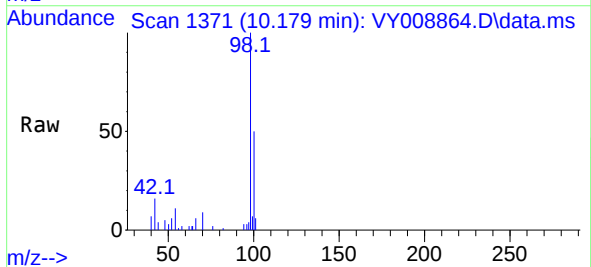
Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

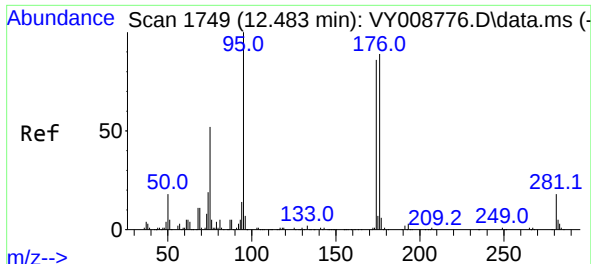
Tgt Ion:117 Resp: 290
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.736 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion: 98 Resp: 8360
Ion Ratio Lower Upper
98 100
100 59.4 50.2 75.2

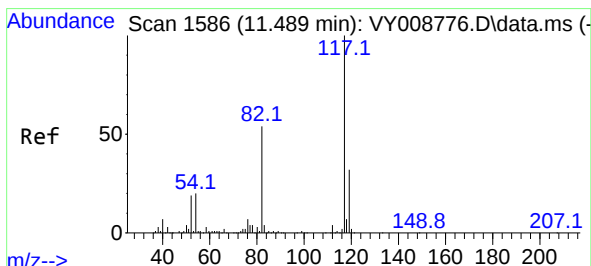
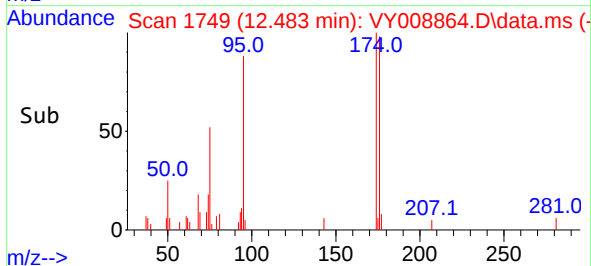
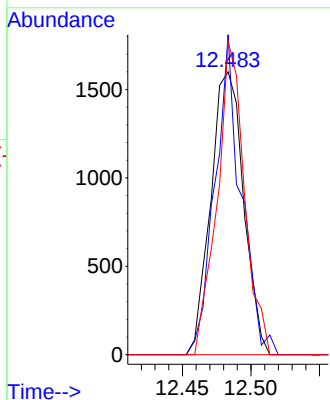
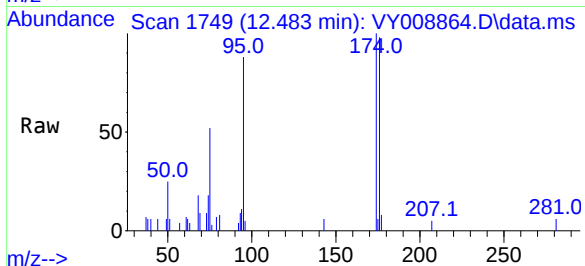




#62
4-Bromofluorobenzene
Concen: 43.072 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

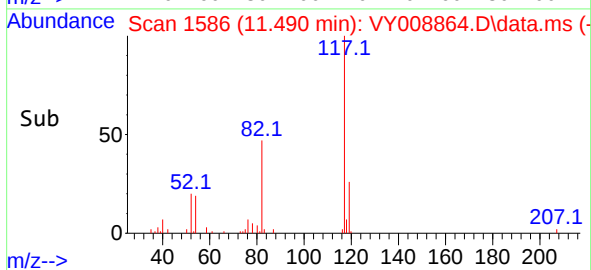
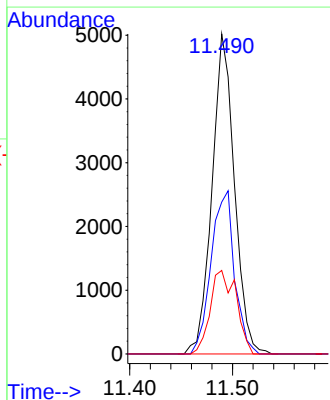
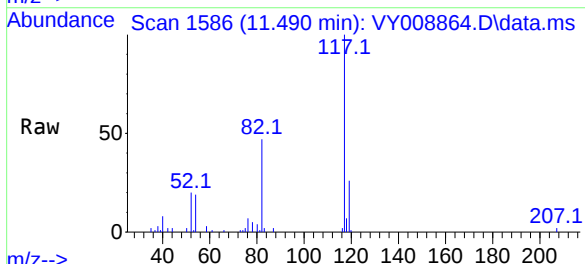
Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

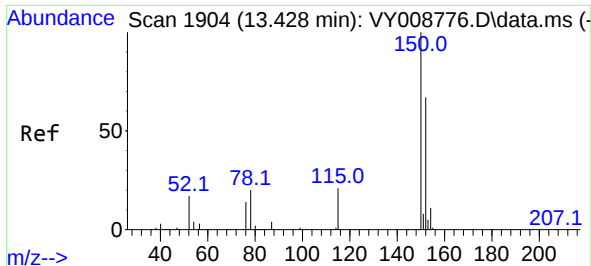
Tgt Ion:	95	Resp:	2668
Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	177.0
176	92.1	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion:	117	Resp:	7579
Ion	Ratio	Lower	Upper
117	100		
82	47.5	43.0	64.4
119	26.1	25.4	38.0

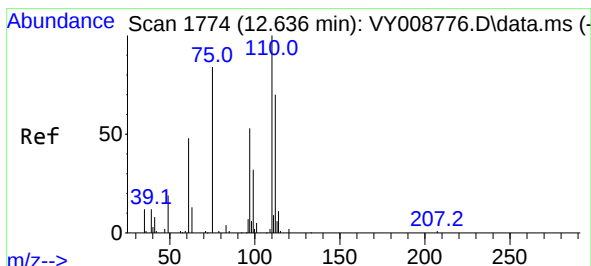
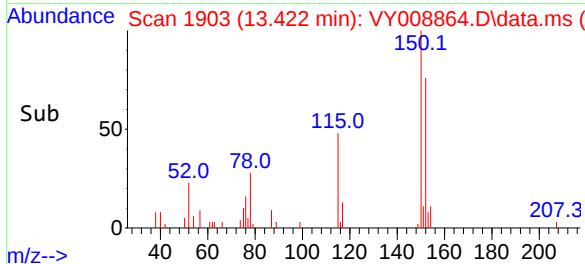
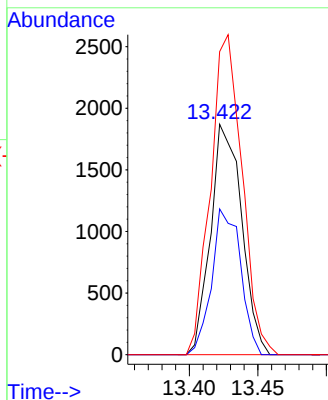
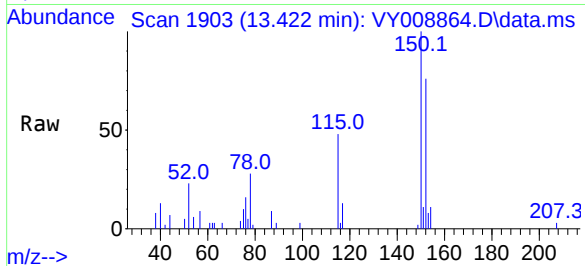




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

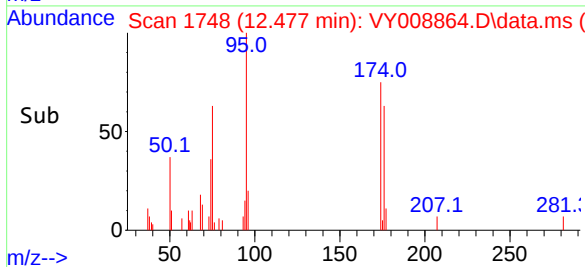
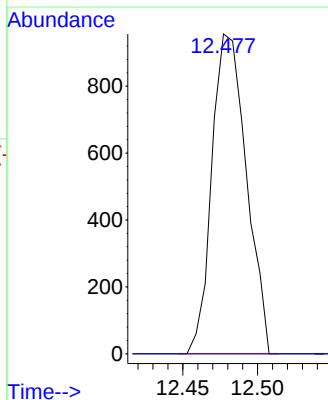
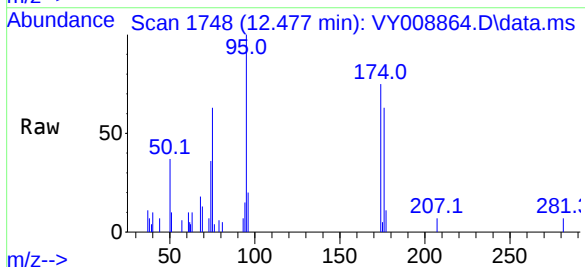
Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

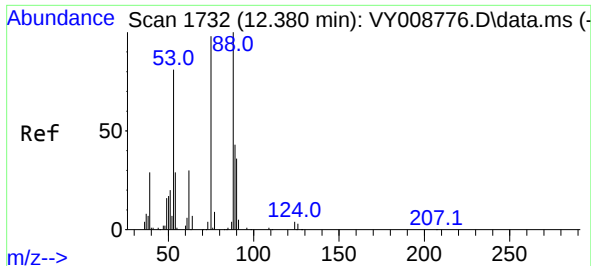
Tgt Ion:152 Resp: 2952
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 141.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.044 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Tgt Ion: 75 Resp: 1536
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 98.525 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY008864.D
Acq: 19 May 2022 13:50

Instrument :
MSVOA_Y
ClientSampleId :
SB20RE

Tgt Ion: 75 Resp: 1536
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

