

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010654.D
 Acq On : 23 Sep 2022 17:20
 Operator : KP/MD
 Sample : N4724-07
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-8.5-9.0

Quant Time: Sep 24 01:22:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

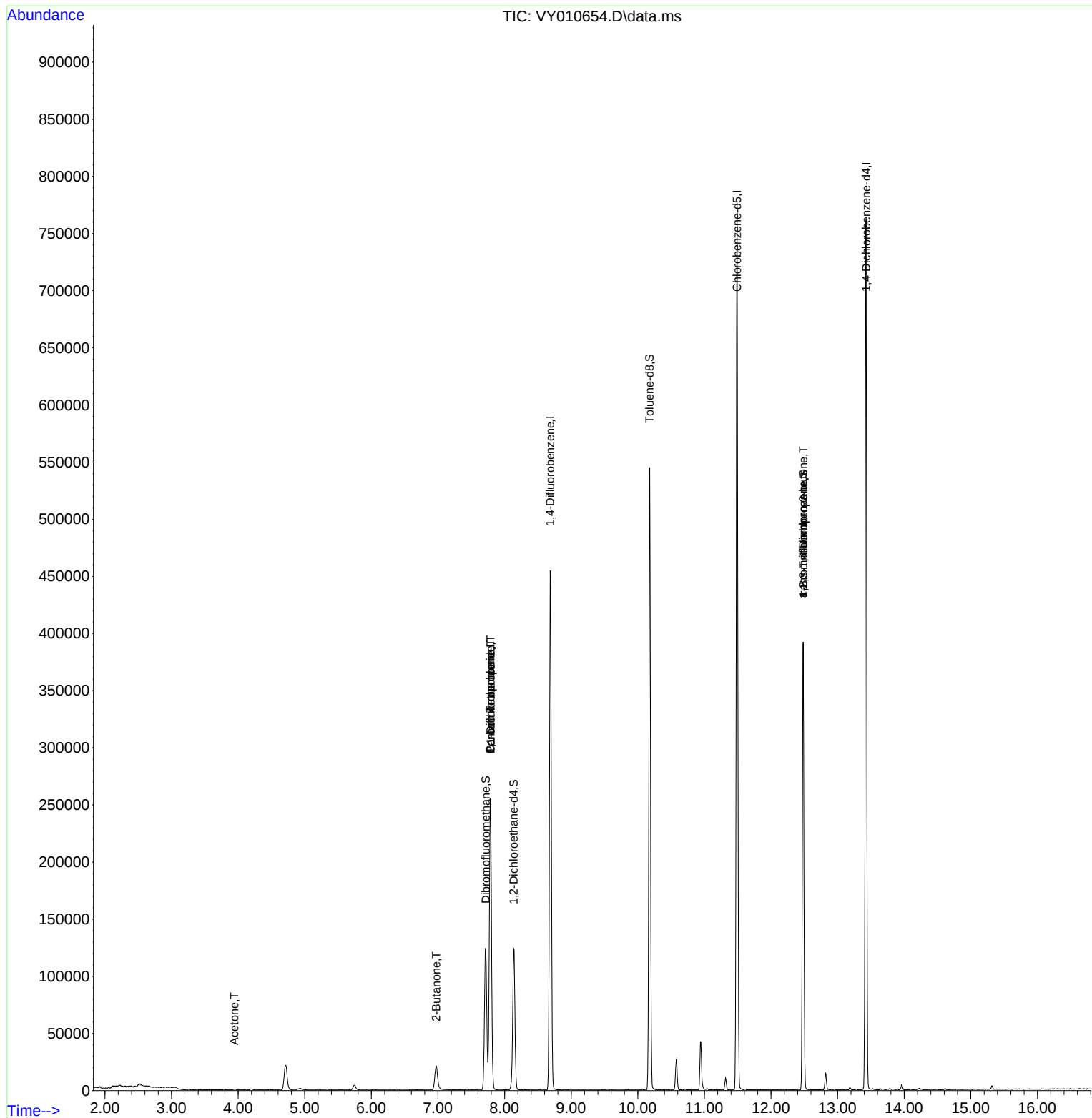
Internal Standards						
1) Pentafluorobenzene	7.789	168	199164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	390657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	416059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	95287	50.021	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.715	113	88652	35.558	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 71.120%	
50) Toluene-d8	10.178	98	347635	38.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 76.980%	
62) 4-Bromofluorobenzene	12.483	95	113737	32.304	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 64.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.893	85	58	Below Cal	#	43
3) Chloromethane	2.119	50	378	Below Cal	#	64
4) Vinyl Chloride	2.344	62	19	Below Cal	#	43
5) Bromomethane	2.661	94	162	Below Cal	#	71
16) Acetone	3.942	43	1220	3.141	ug/l #	82
18) Methyl Acetate	4.478	43	737	Below Cal	#	56
20) Methylene Chloride	4.716	84	17936	Below Cal	#	77
25) 2-Butanone	6.972	43	1213	1.996	ug/l #	88
31) Cyclohexane	7.776	56	4116	Below Cal	#	15
36) 1,1-Dichloropropene	7.789	75	15929	5.734	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19815	6.204	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	59569	31.700	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59569	70.482	ug/l #	7

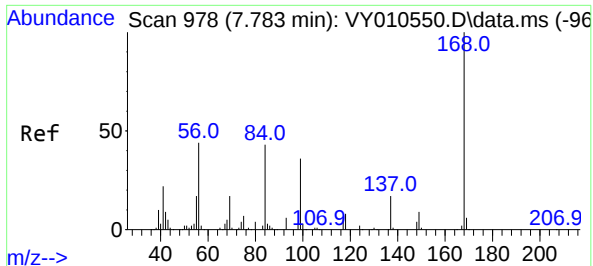
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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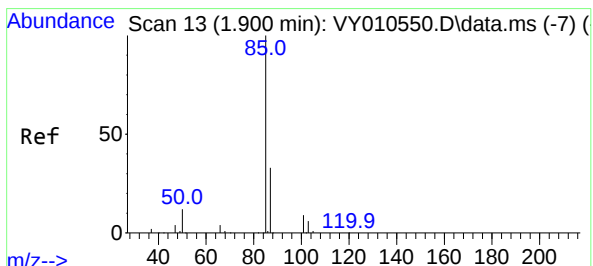
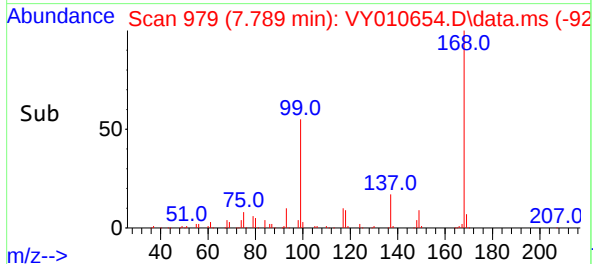
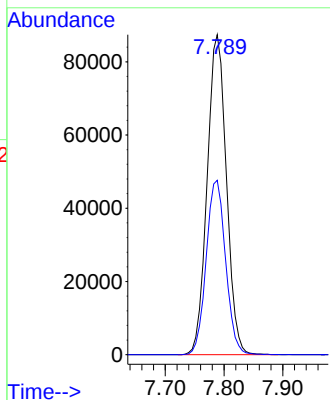
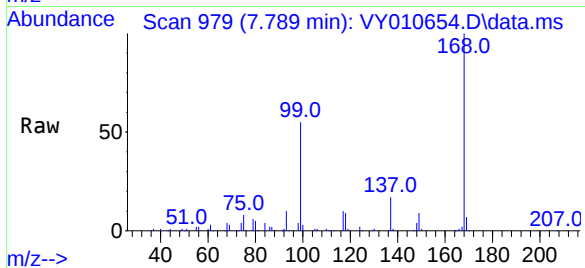




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

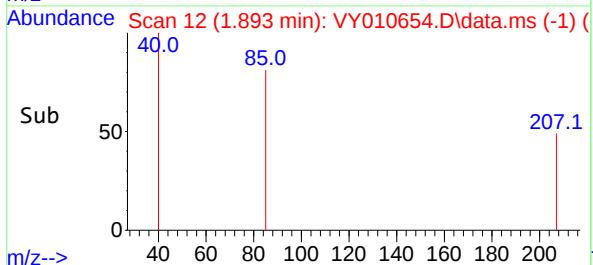
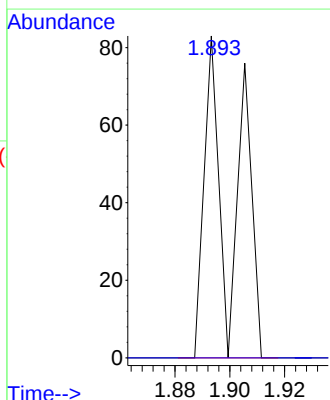
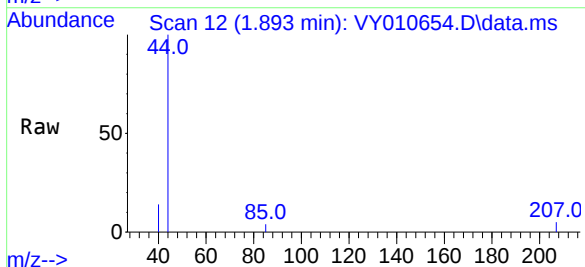
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

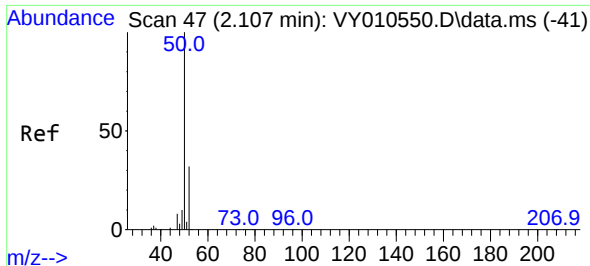
Tgt Ion:168 Resp: 199164
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.893 min Scan# 12
Delta R.T. -0.007 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

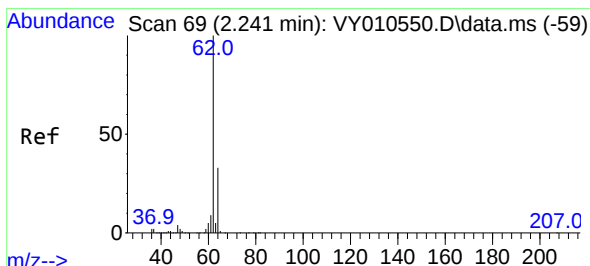
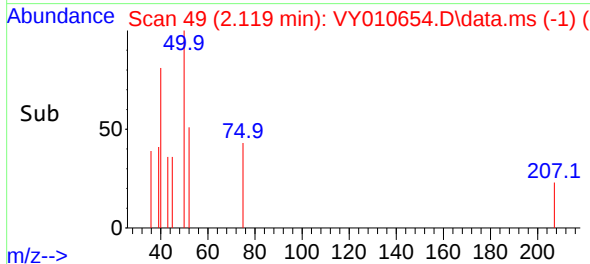
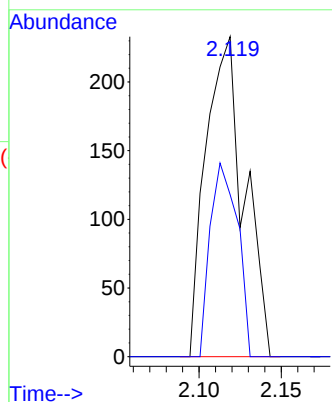
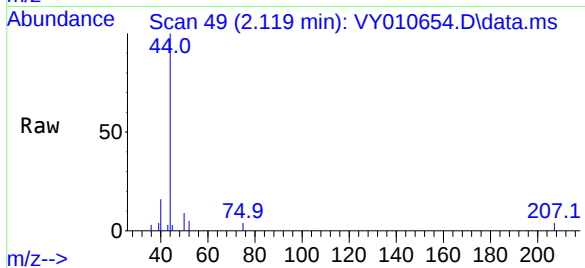




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

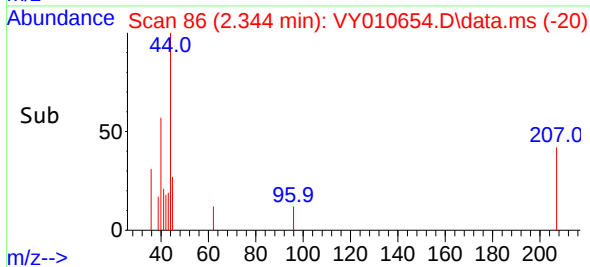
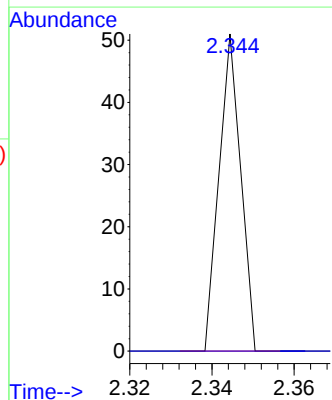
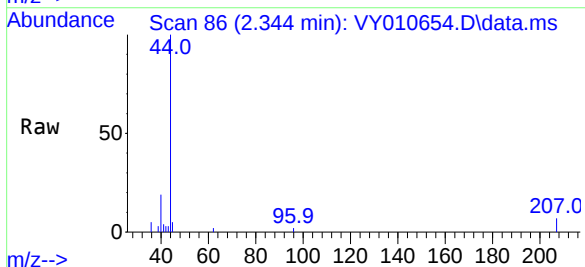
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

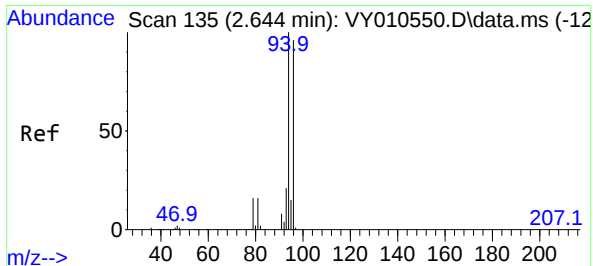
Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 50.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.344 min Scan# 86
Delta R.T. 0.103 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

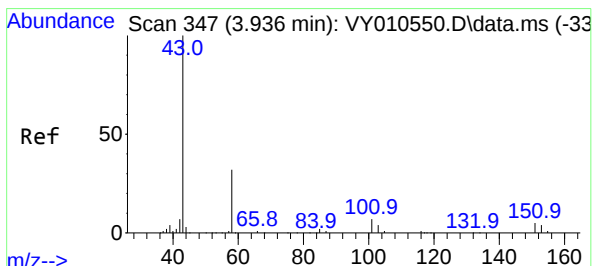
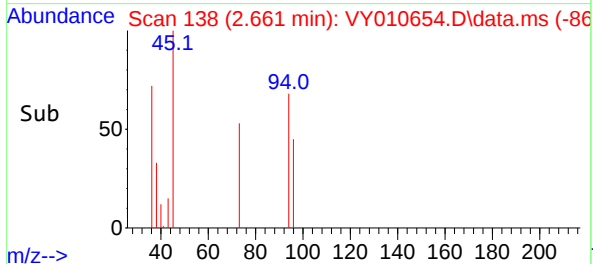
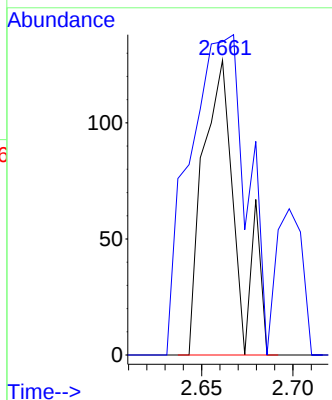
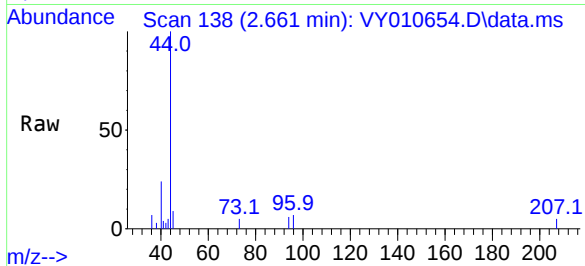




#5
Bromomethane
Concen: Below Cal
RT: 2.661 min Scan# 11
Delta R.T. 0.017 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

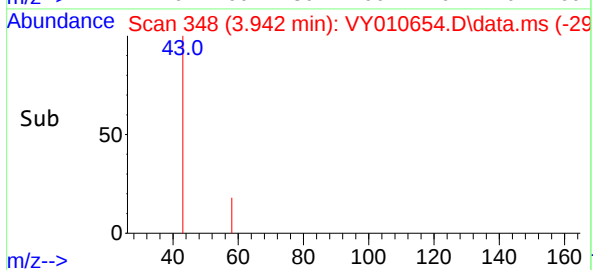
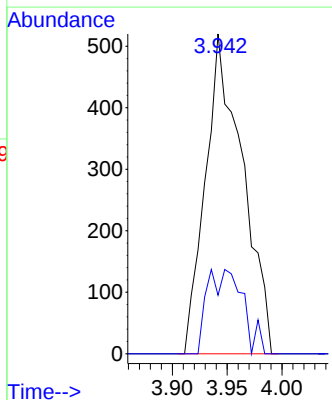
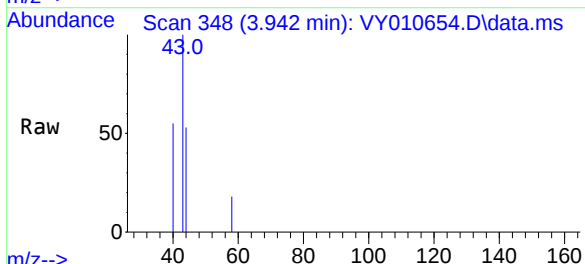
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

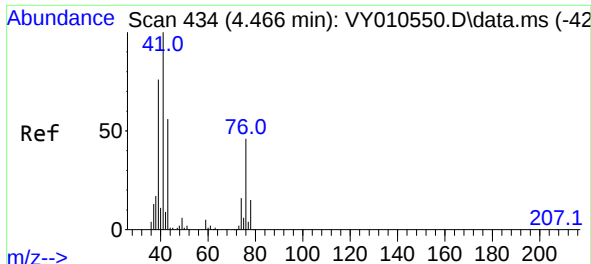
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 63.8 73.5 110.3#



#16
Acetone
Concen: 3.141 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
58 18.3 22.0 33.0#

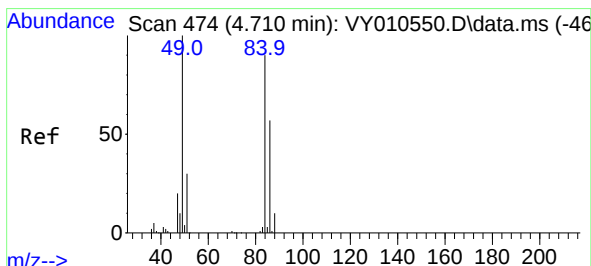
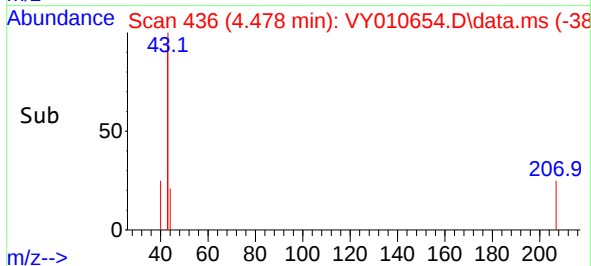
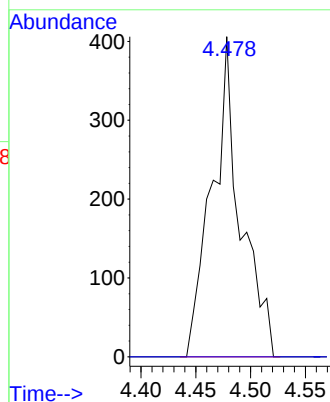
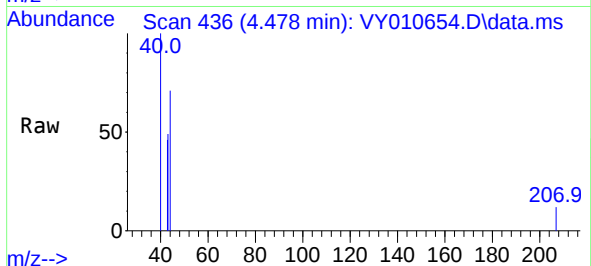




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

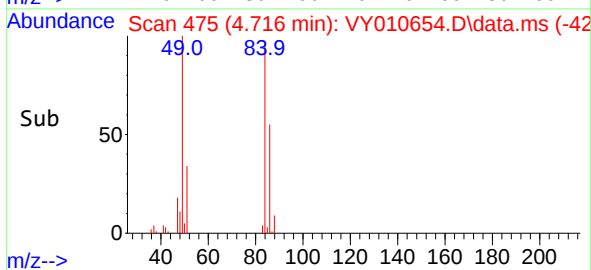
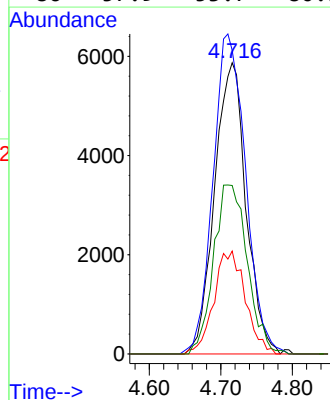
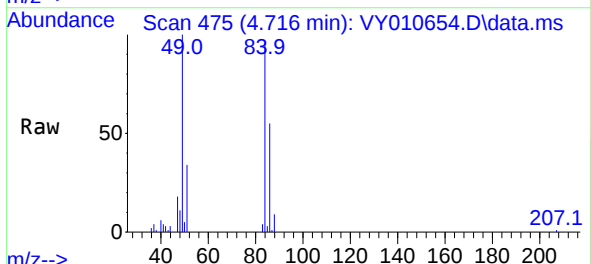
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

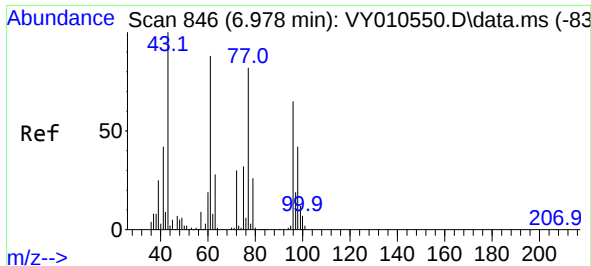
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 84 Resp: 17936
Ion Ratio Lower Upper
84 100
49 104.3 114.4 171.6#
51 35.3 35.3 52.9
86 57.9 53.7 80.5

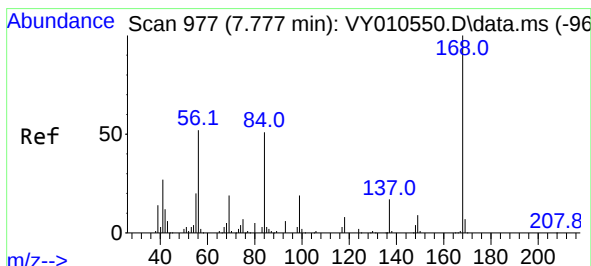
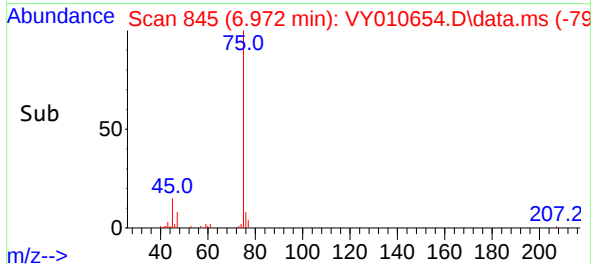
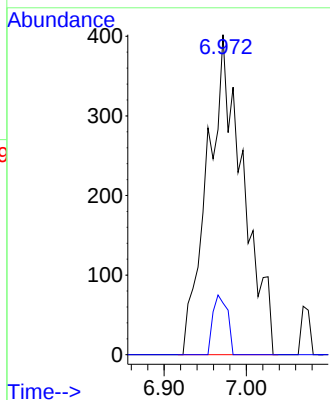
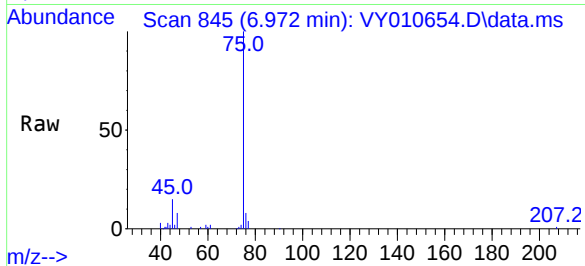




#25
2-Butanone
Concen: 1.996 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

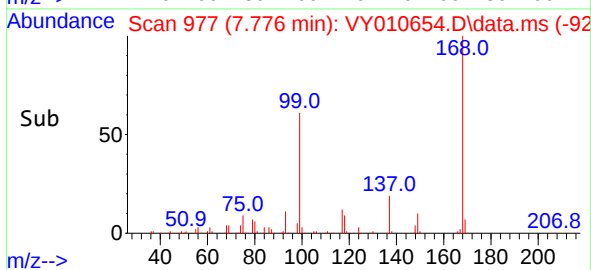
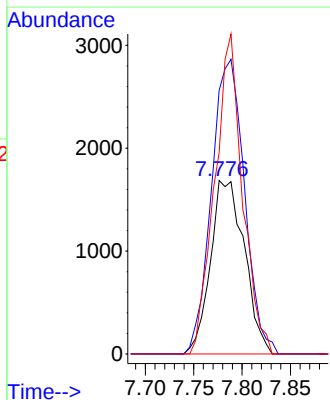
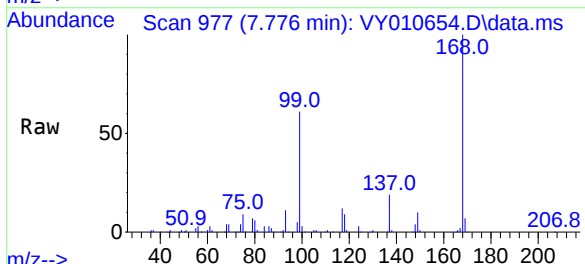
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

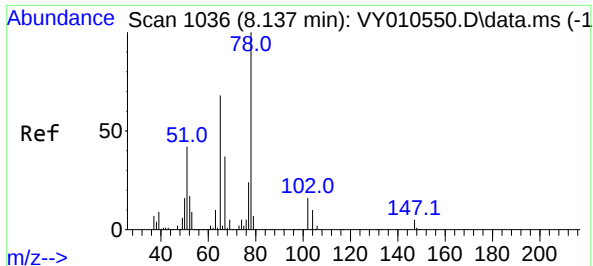
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
72 16.2 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.776 min Scan# 977
Delta R.T. -0.001 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 56 Resp: 4116
Ion Ratio Lower Upper
56 100
69 151.9 26.7 40.1#
84 116.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.021 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY010654.D

Acq: 23 Sep 2022 17:20

Instrument :

MSVOA_Y

ClientSampleId :

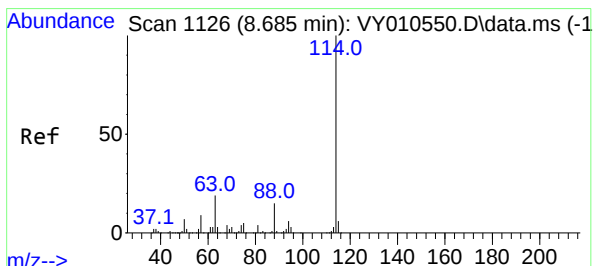
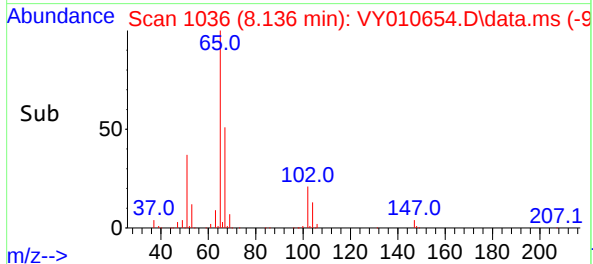
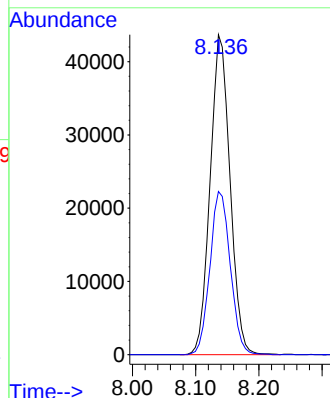
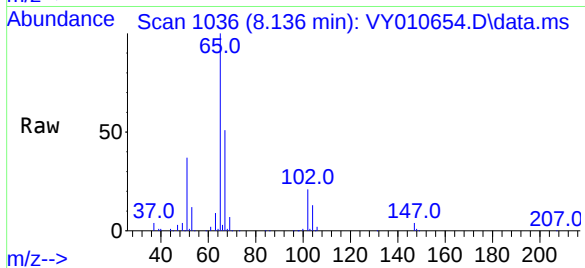
SB-01-8.5-9.0

Tgt Ion: 65 Resp: 95287

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010654.D

Acq: 23 Sep 2022 17:20

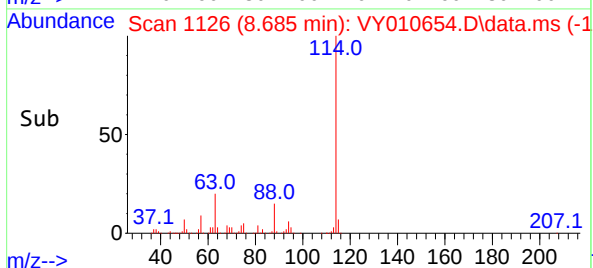
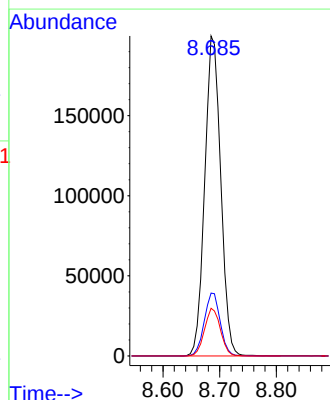
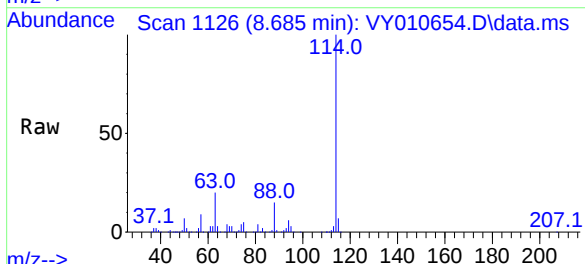
Tgt Ion: 114 Resp: 390657

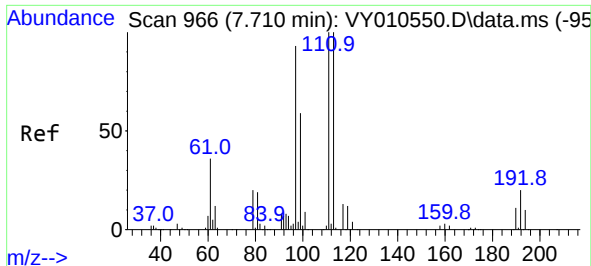
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 14.9 0.0 31.8

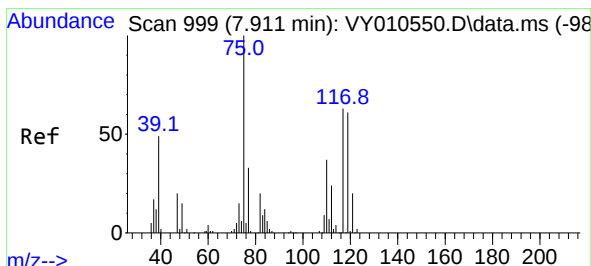
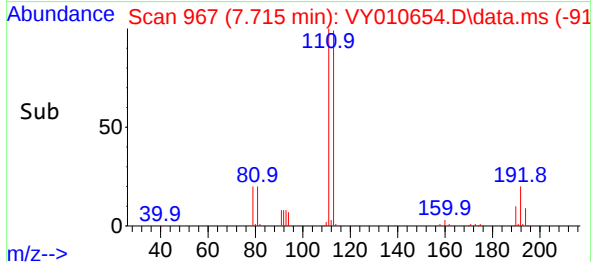
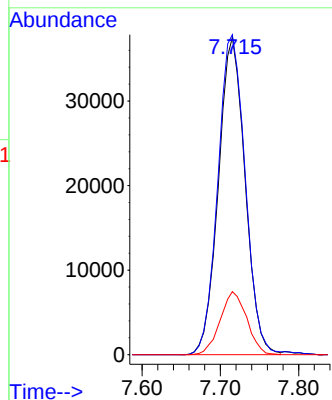
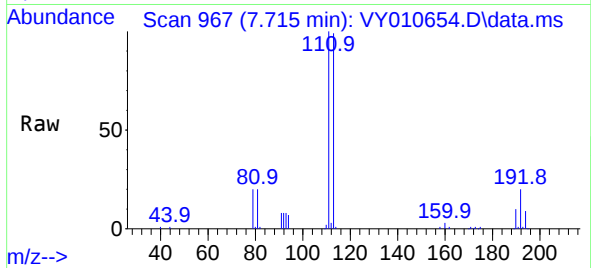




#35
Dibromofluoromethane
Concen: 35.558 ug/l
RT: 7.715 min Scan# 911
Delta R.T. 0.005 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

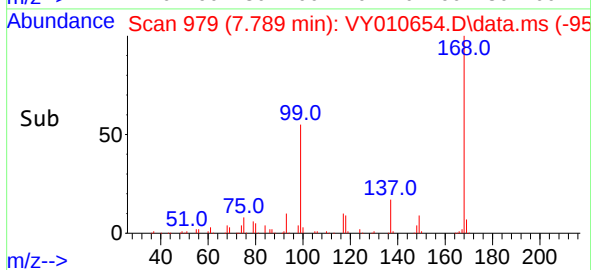
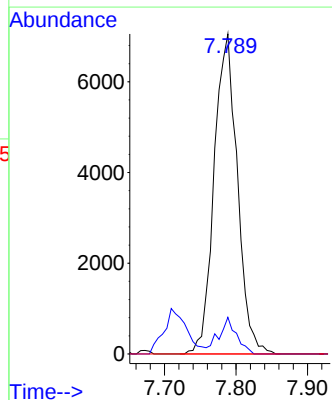
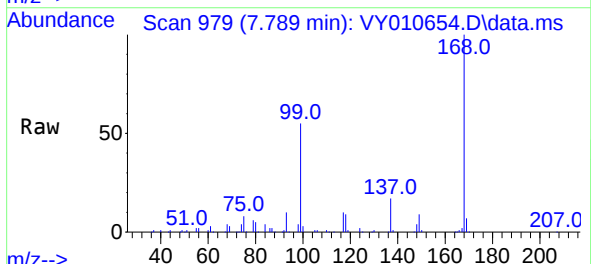
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

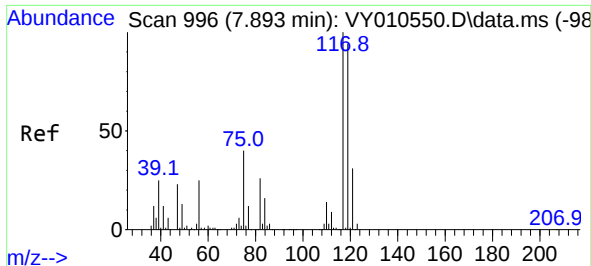
Tgt Ion:113 Resp: 88652
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.734 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 75 Resp: 15929
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#

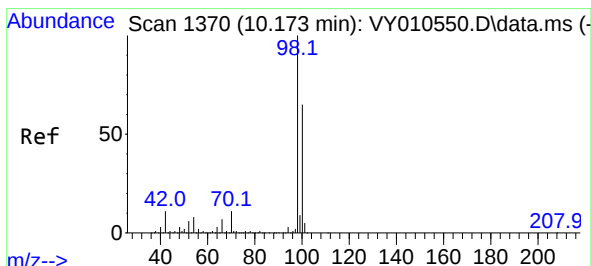
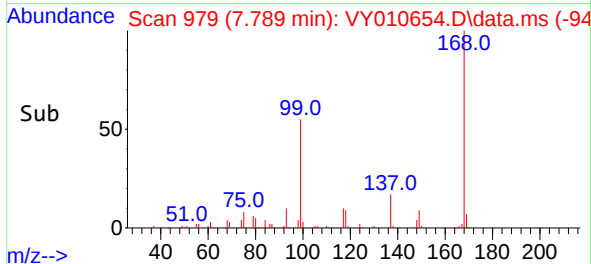
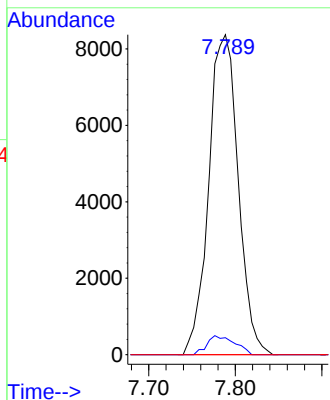
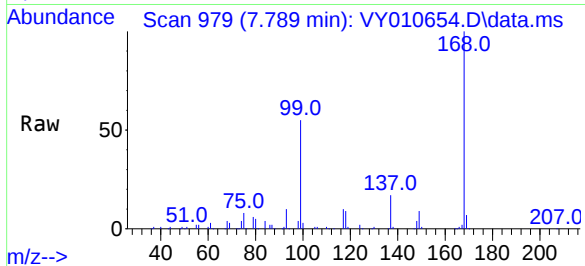




#38
Carbon Tetrachloride
Concen: 6.204 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

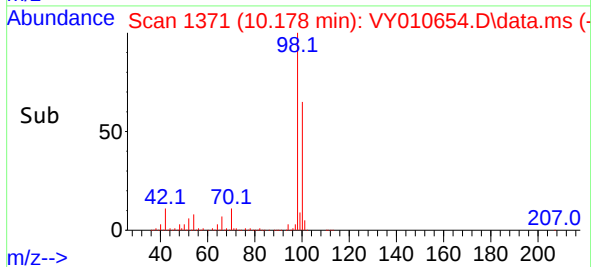
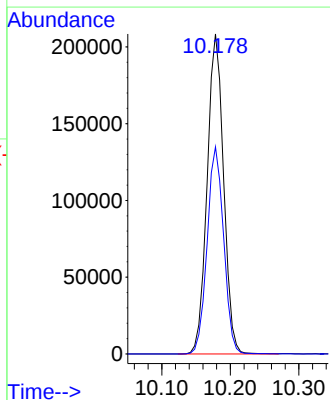
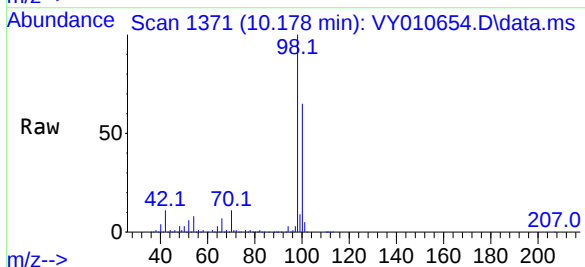
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

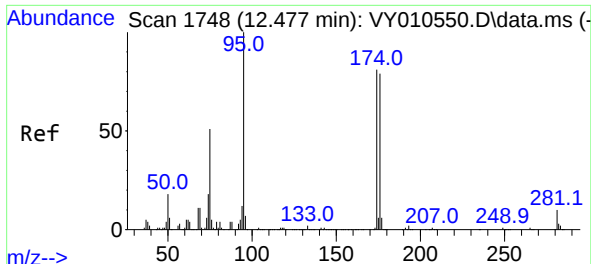
Tgt Ion:117 Resp: 19815
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.494 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.005 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 98 Resp: 347635
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

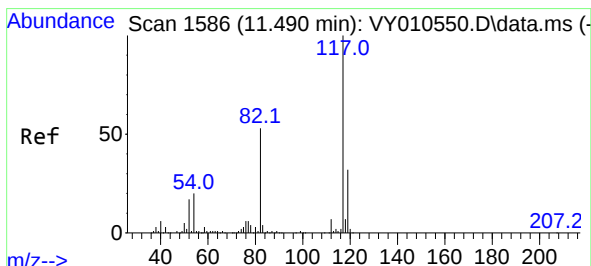
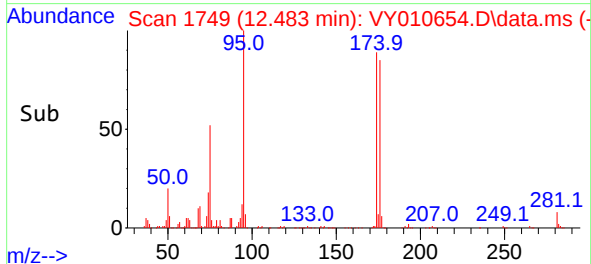
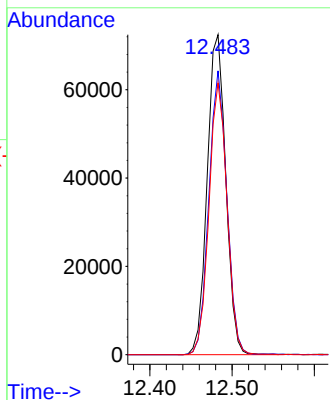
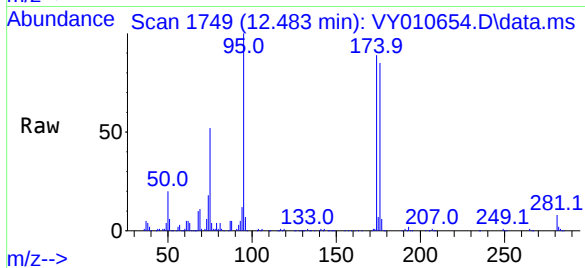




#62
4-Bromofluorobenzene
Concen: 32.304 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

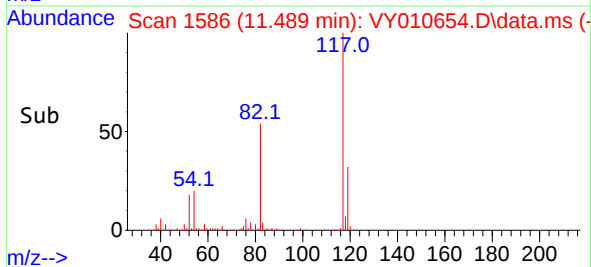
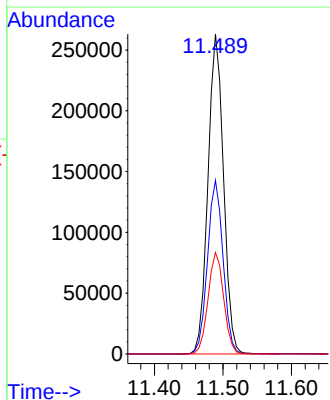
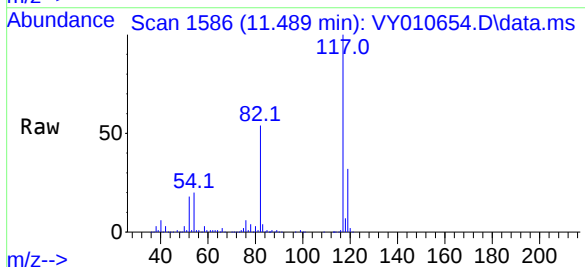
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

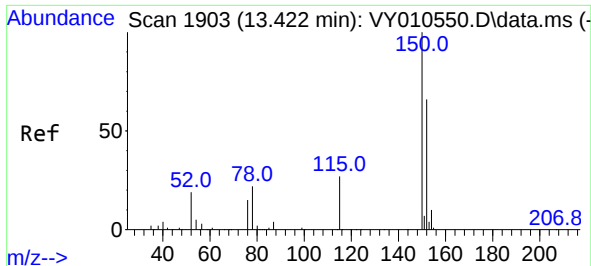
Tgt Ion: 95 Resp: 113737
Ion Ratio Lower Upper
95 100
174 86.1 0.0 177.0
176 82.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

Tgt Ion: 117 Resp: 416059
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 31.7 25.4 38.0

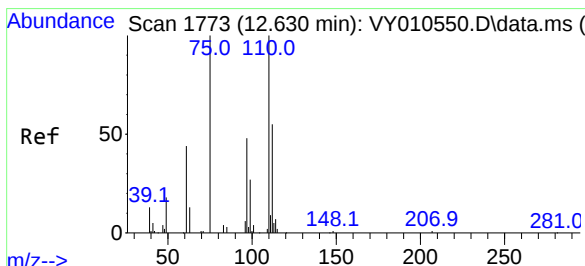
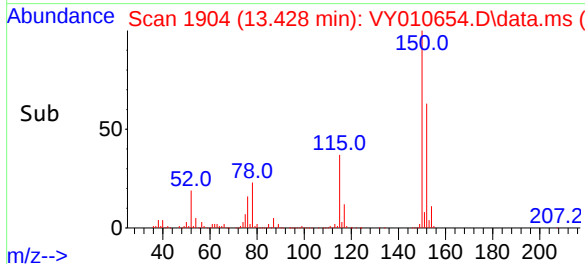
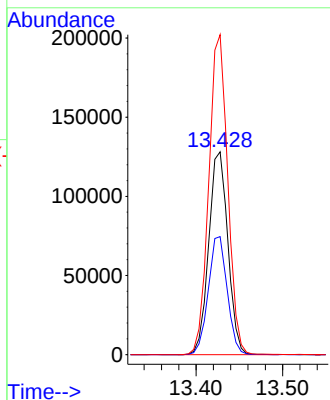
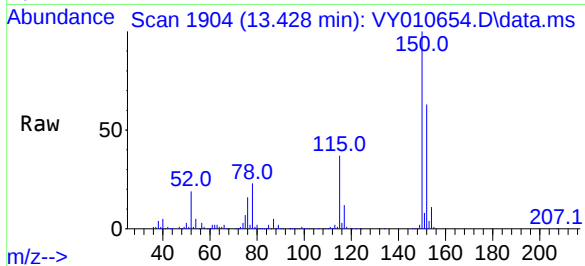




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

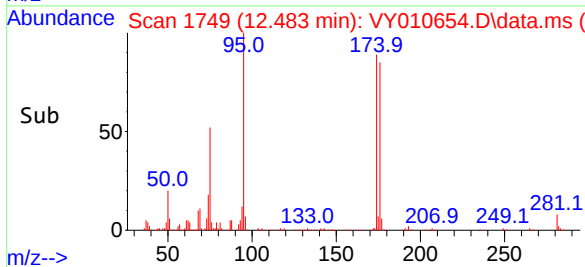
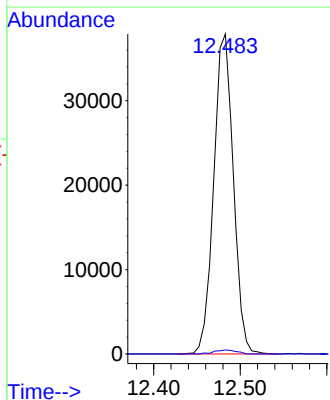
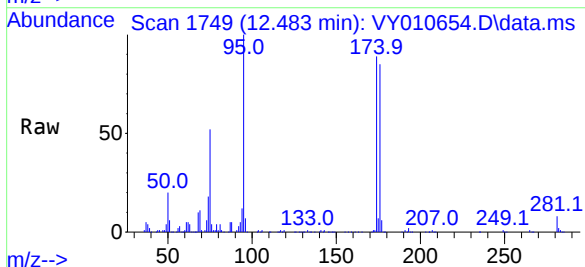
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-8.5-9.0

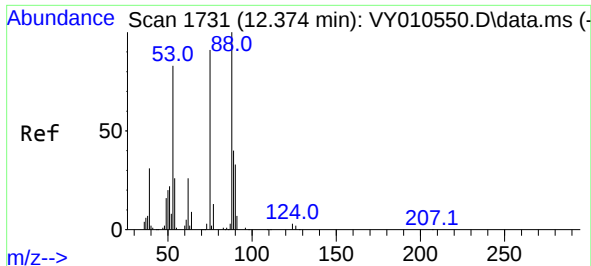
Tgt Ion:152 Resp: 196888
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 155.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 31.700 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010654.D
Acq: 23 Sep 2022 17:20

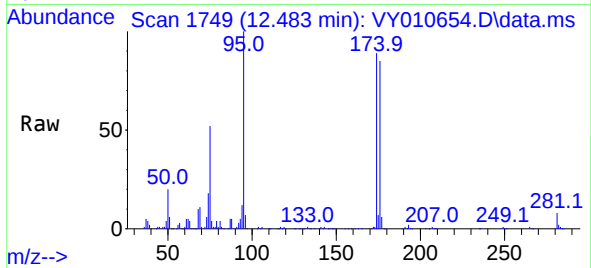
Tgt Ion: 75 Resp: 59569
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.482 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010654.D
 Acq: 23 Sep 2022 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-8.5-9.0



Tgt Ion: 75 Resp: 59569

Ion	Ratio	Lower	Upper
75	100		
53	0.1	85.3	127.9#
89	0.1	37.0	55.4#

