

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011854.D
 Acq On : 14 Dec 2022 18:35
 Operator : KP/MD
 Sample : N6038-07
 Misc : 4.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-32-(1.5-3.5)

Quant Time: Dec 15 01:23:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

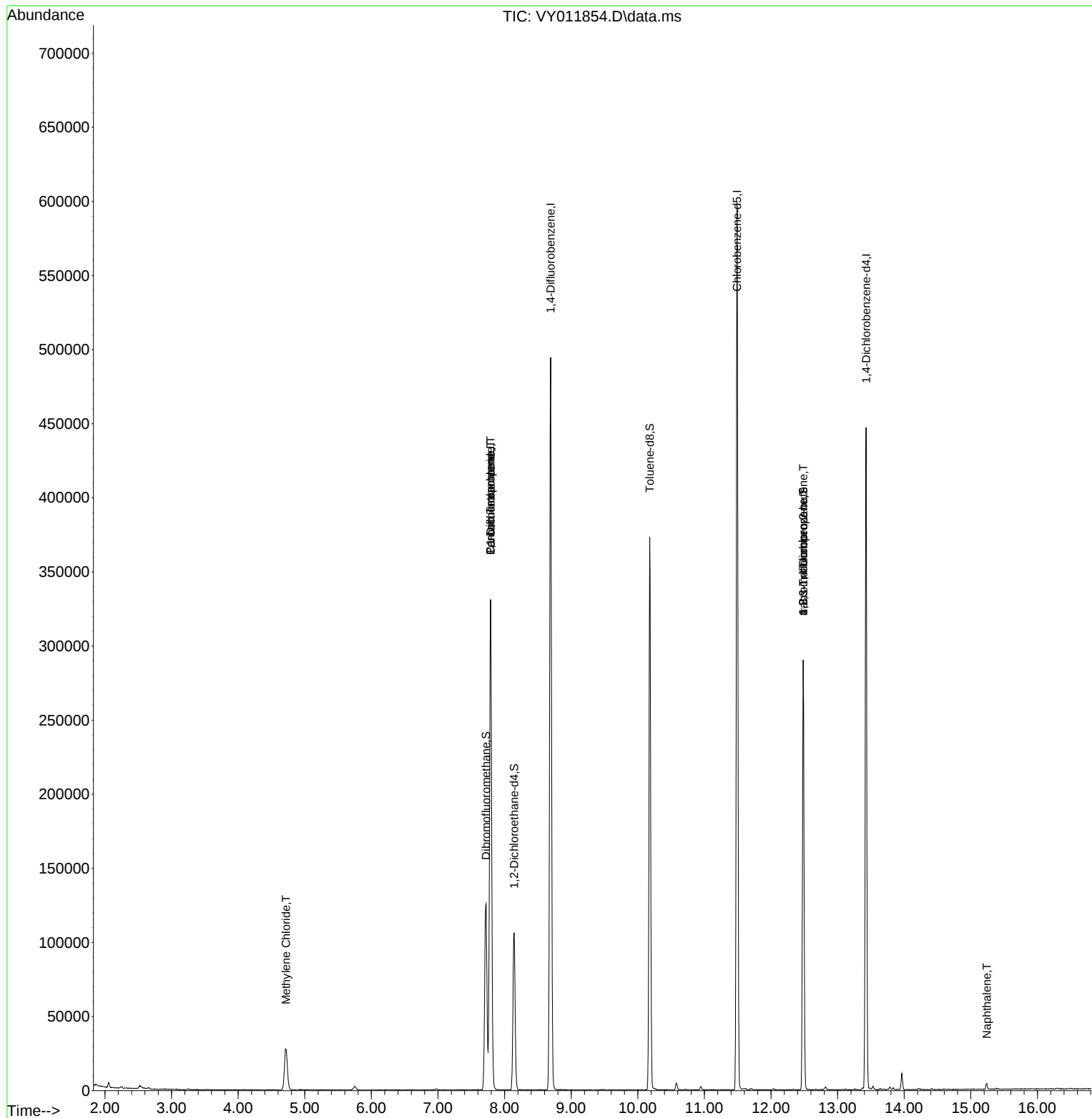
Internal Standards						
1) Pentafluorobenzene	7.789	168	253058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	415053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	85592	49.520	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.040%		
35) Dibromofluoromethane	7.722	113	90883	49.224	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.440%		
50) Toluene-d8	10.179	98	246503	39.359	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.720%		
62) 4-Bromofluorobenzene	12.483	95	78285	30.776	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	61.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	77	Below Cal	#	41
3) Chloromethane	2.113	50	151	Below Cal	#	41
4) Vinyl Chloride	2.424	62	18	Below Cal	#	43
5) Bromomethane	2.668	94	192	Below Cal	#	53
11) Tert butyl alcohol	4.918	59	156	Below Cal	#	74
18) Methyl Acetate	4.479	43	87	Below Cal	#	50
20) Methylene Chloride	4.716	84	21749	3.362	ug/l	97
31) Cyclohexane	7.789	56	5228	Below Cal	#	7
36) 1,1-Dichloropropene	7.789	75	18863	5.989	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	25778	6.968	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	40946	34.253	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	40946	77.726	ug/l	# 13
95) Naphthalene	15.239	128	3690	1.009	ug/l	99

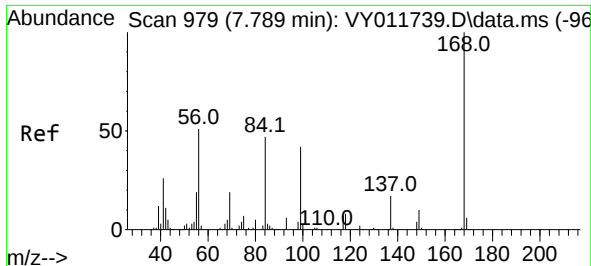
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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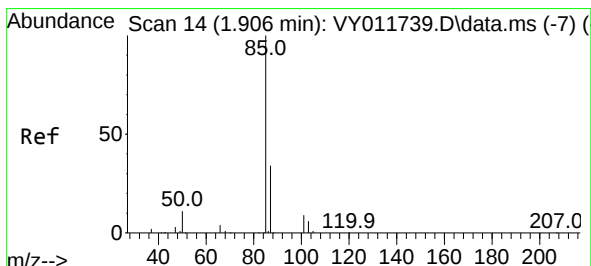
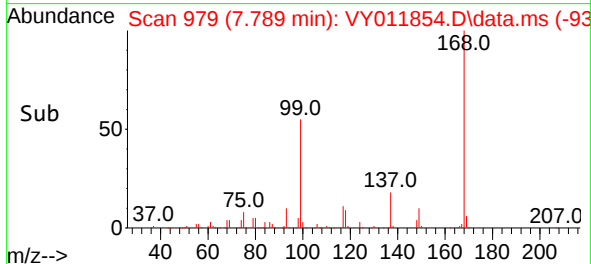
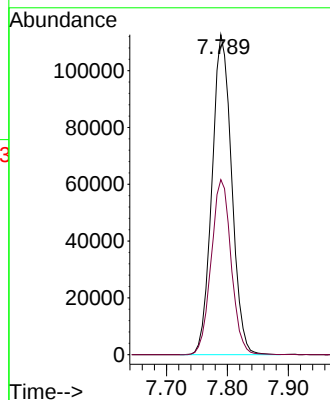
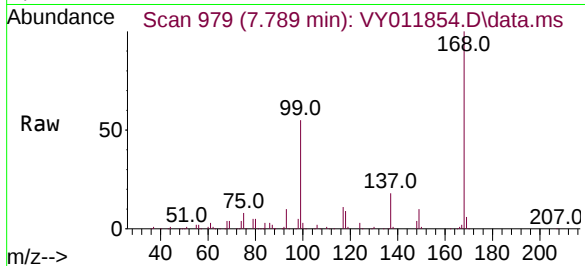




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

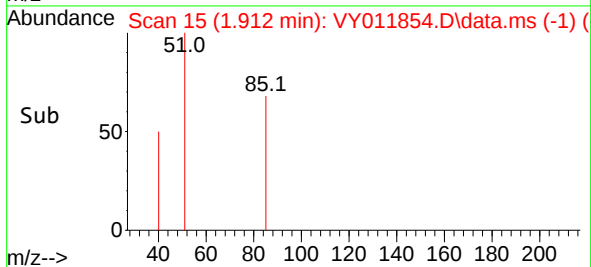
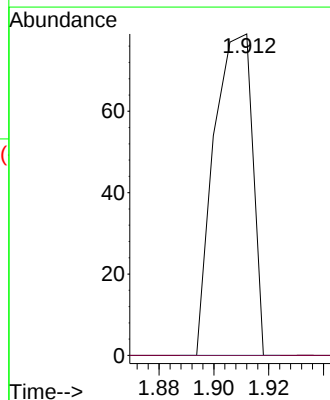
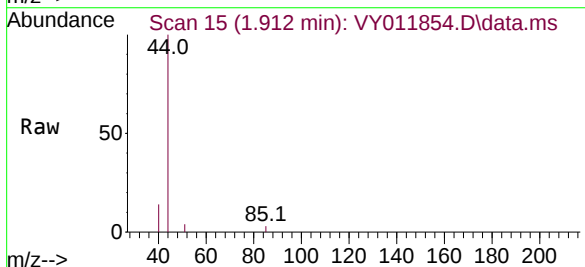
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)

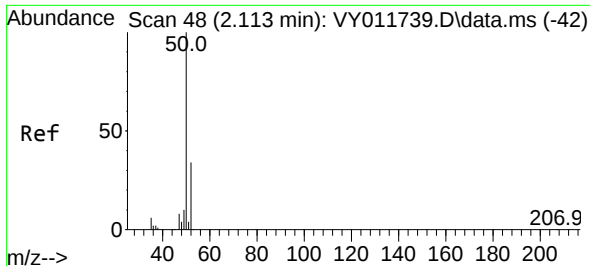
Tgt Ion:168 Resp: 253058
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Tgt Ion: 85 Resp: 77
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

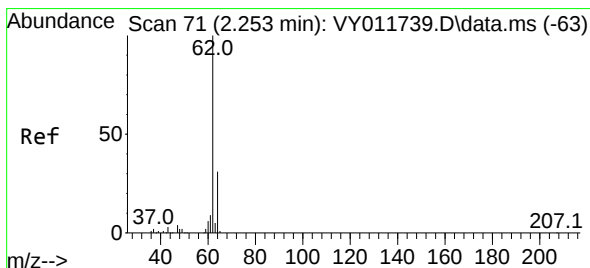
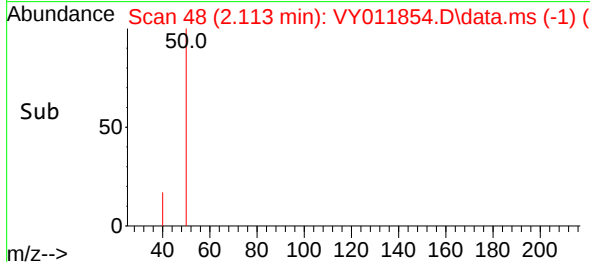
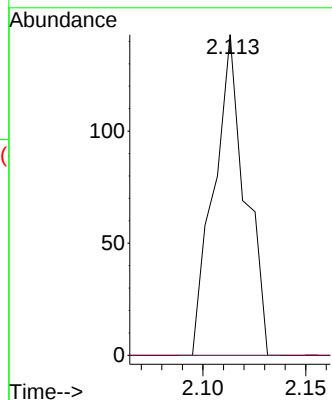
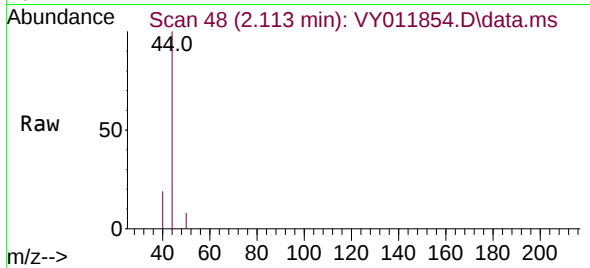




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

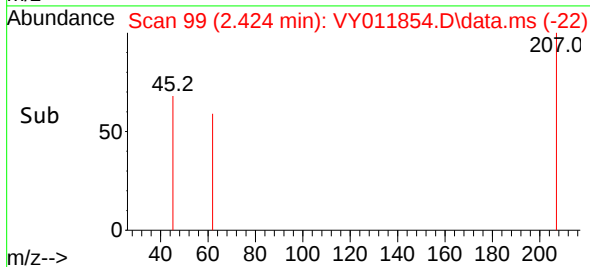
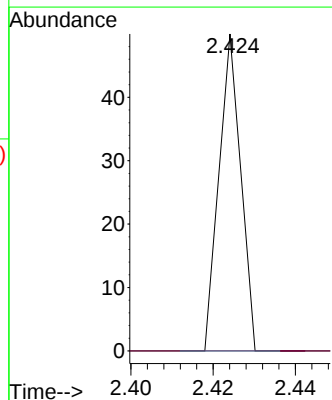
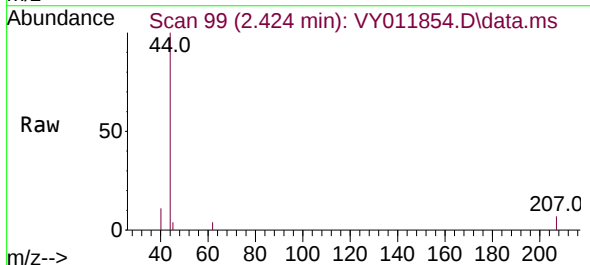
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)

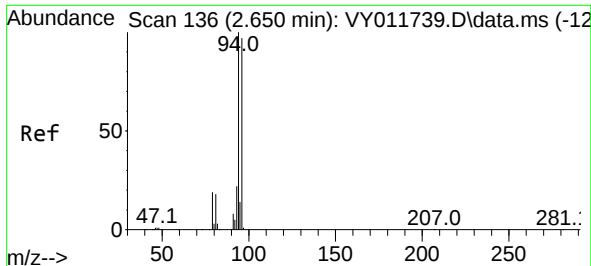
Tgt Ion: 50 Resp: 151
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.424 min Scan# 99
Delta R.T. 0.171 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Tgt Ion: 62 Resp: 18
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

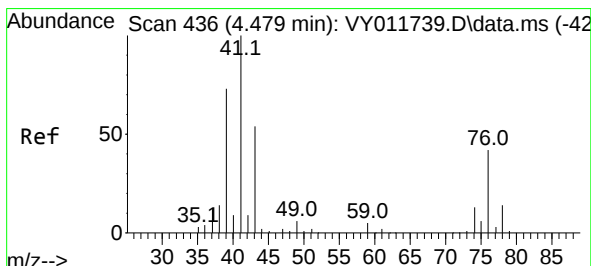
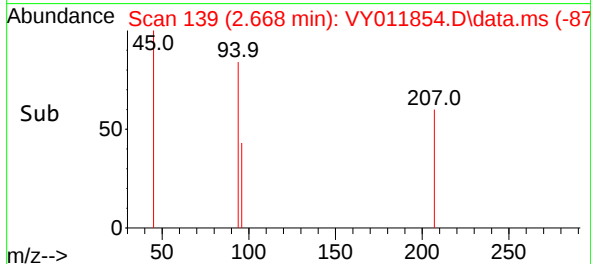
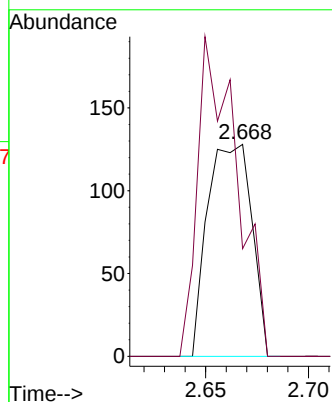
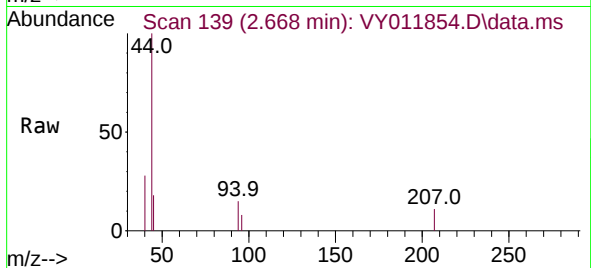




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

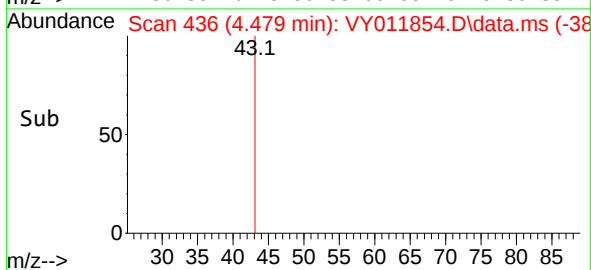
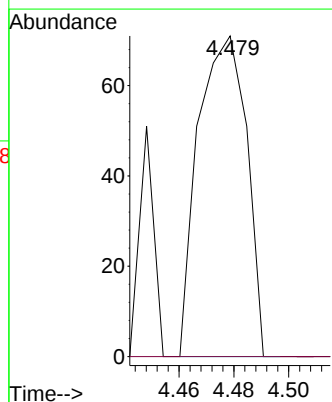
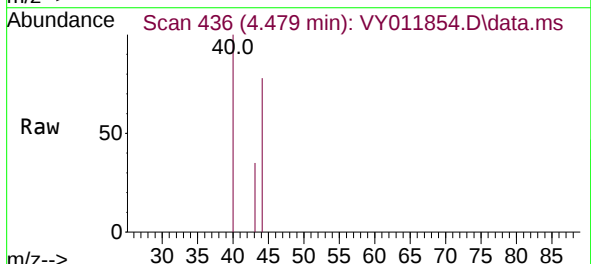
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)

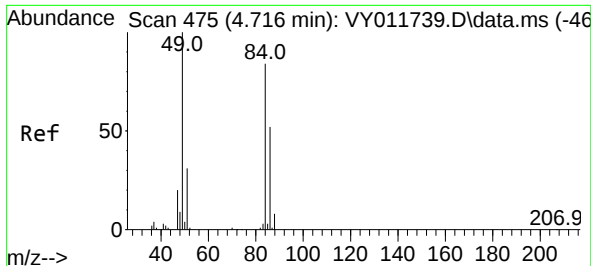
Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 50.8 77.4 116.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

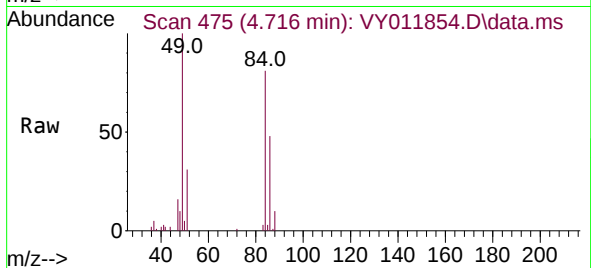
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



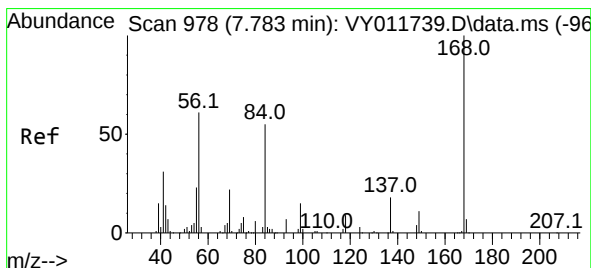
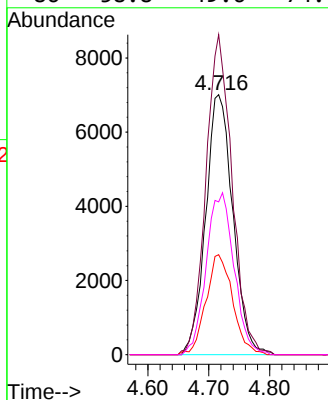
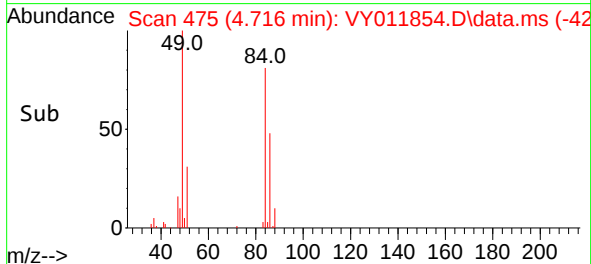


#20
Methylene Chloride
Concen: 3.362 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

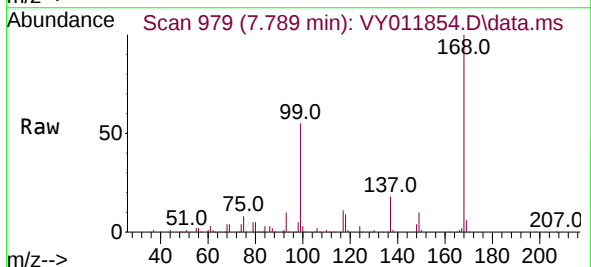
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)



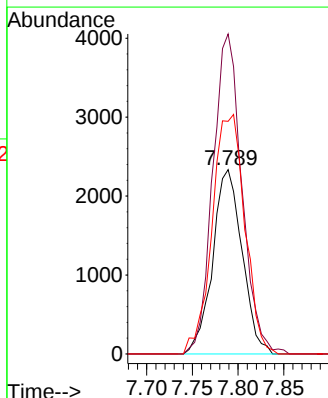
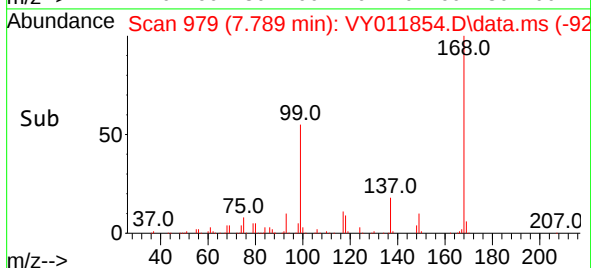
Tgt Ion:	84	Resp:	21749
Ion	Ratio	Lower	Upper
84	100		
49	123.1	95.4	143.2
51	38.5	29.9	44.9
86	58.8	49.6	74.4

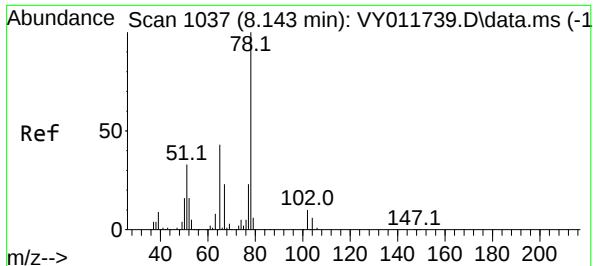


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35



Tgt Ion:	56	Resp:	5228
Ion	Ratio	Lower	Upper
56	100		
69	173.5	29.2	43.8#
84	126.2	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 49.520 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011854.D

Acq: 14 Dec 2022 18:35

Instrument :

MSVOA_Y

ClientSampleId :

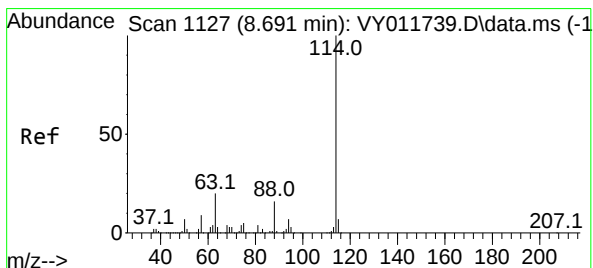
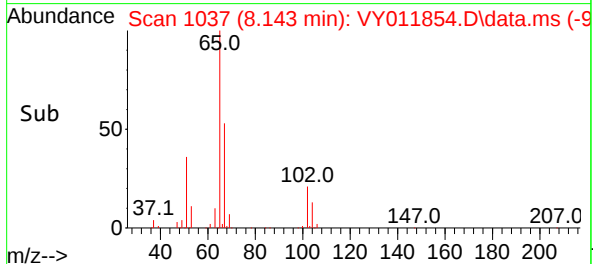
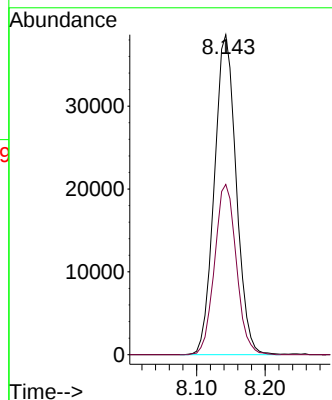
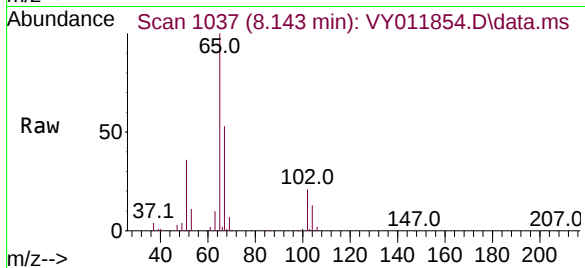
RB-32-(1.5-3.5)

Tgt Ion: 65 Resp: 85592

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011854.D

Acq: 14 Dec 2022 18:35

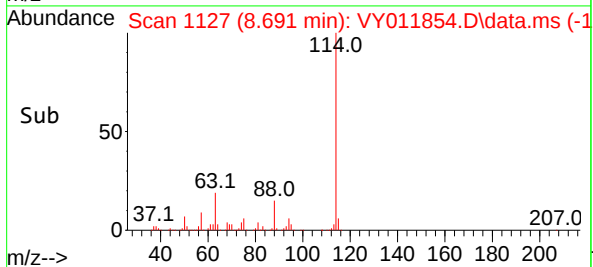
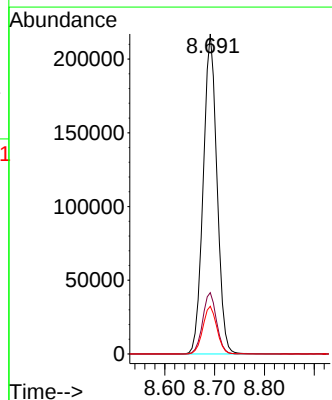
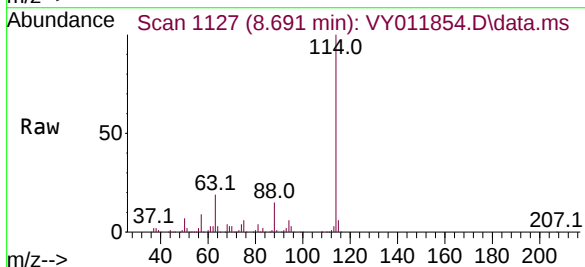
Tgt Ion: 114 Resp: 415053

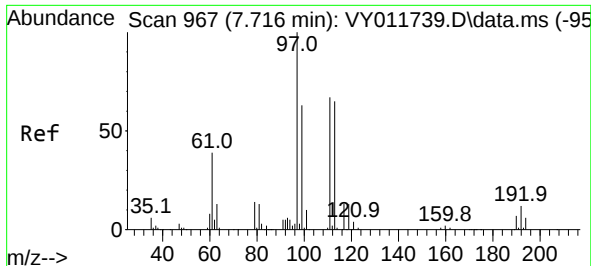
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 14.9 0.0 32.2

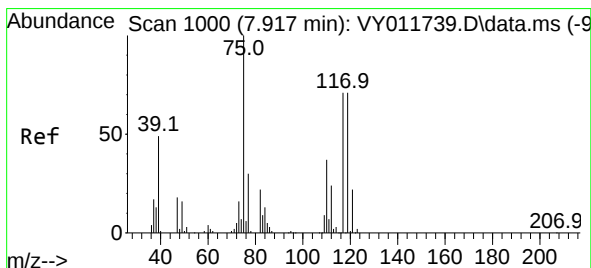
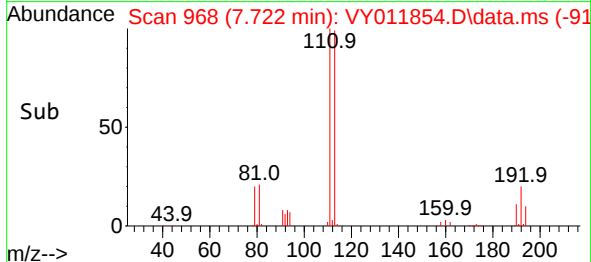
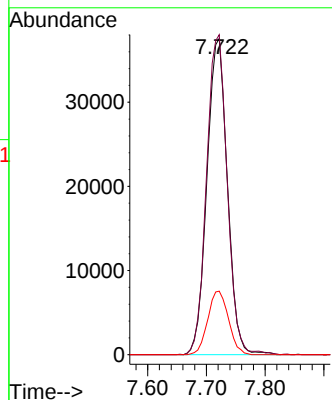
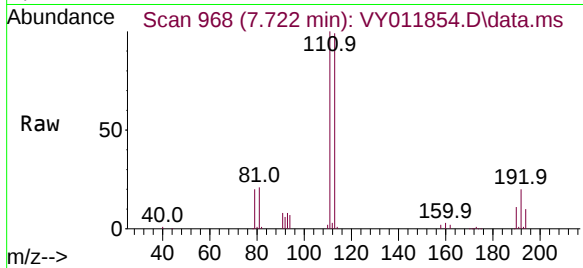




#35
Dibromofluoromethane
Concen: 49.224 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

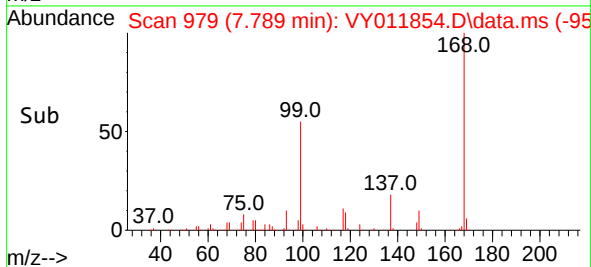
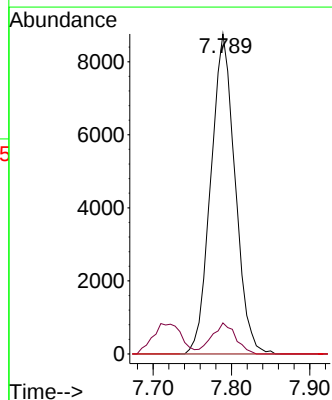
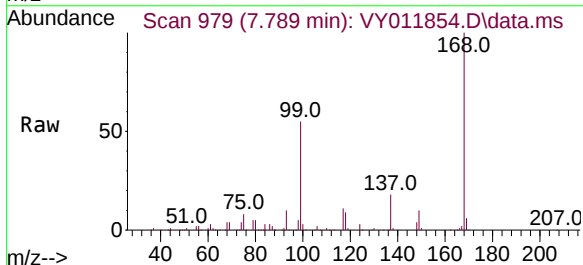
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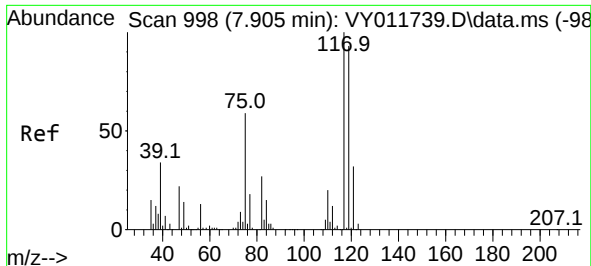
Tgt Ion:113 Resp: 90883
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 20.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.989 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Tgt Ion: 75 Resp: 18863
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.1#
77 0.0 25.1 37.7#

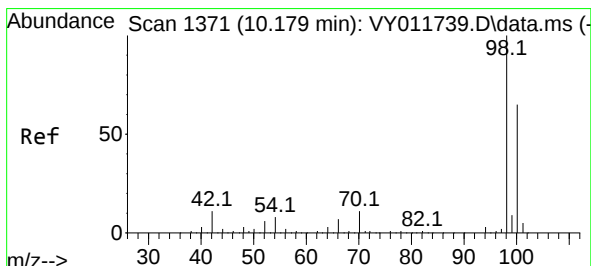
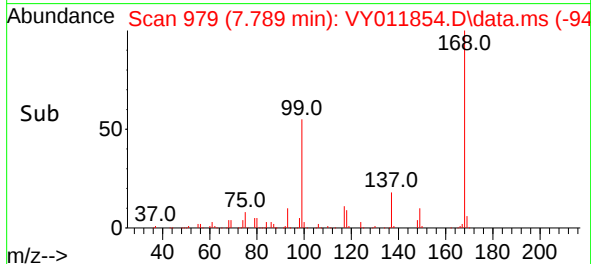
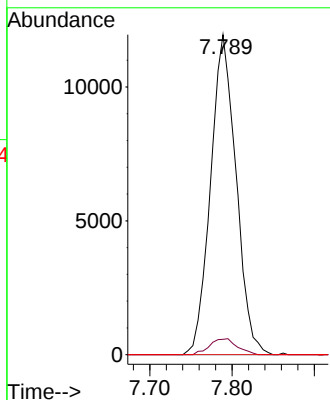
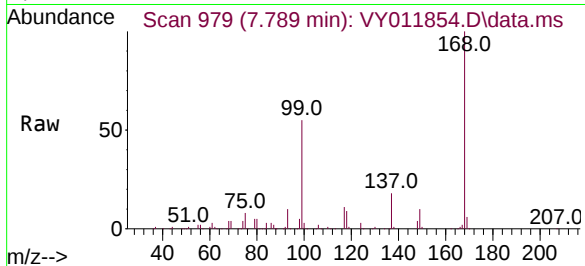




#38
Carbon Tetrachloride
Concen: 6.968 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

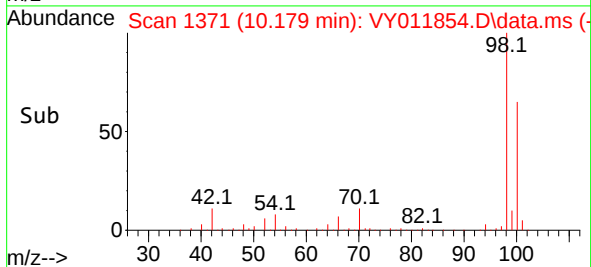
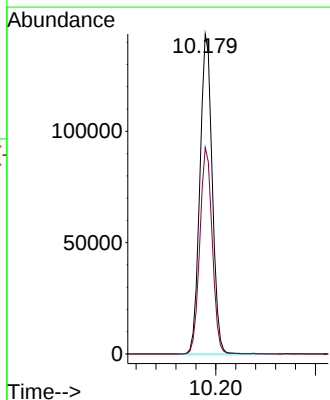
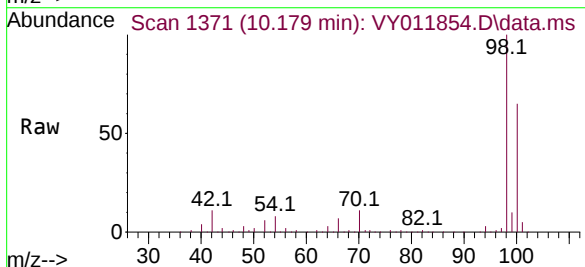
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)

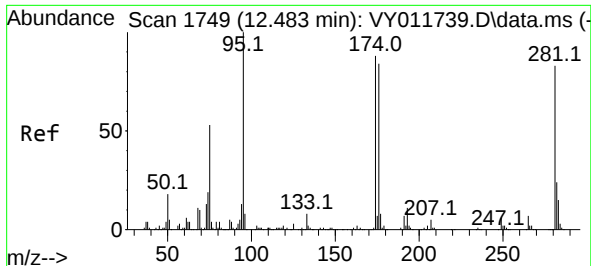
Tgt Ion:117 Resp: 25778
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 39.359 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Tgt Ion: 98 Resp: 246503
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

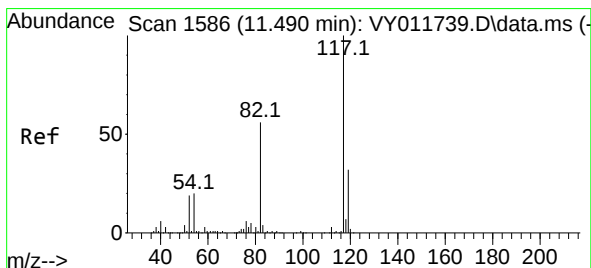
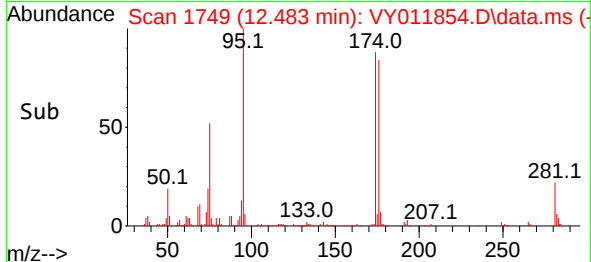
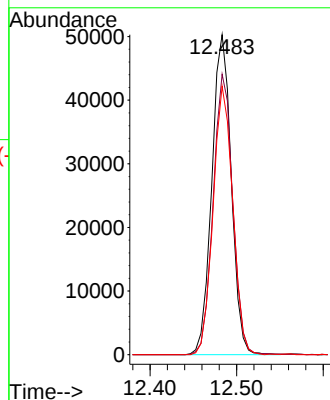
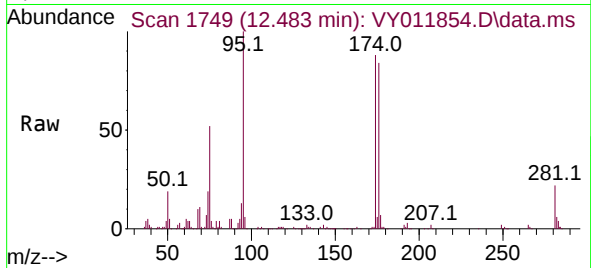




#62
4-Bromofluorobenzene
Concen: 30.776 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

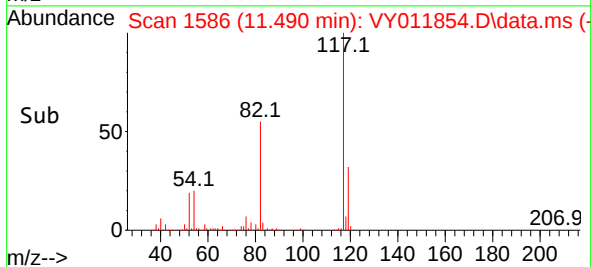
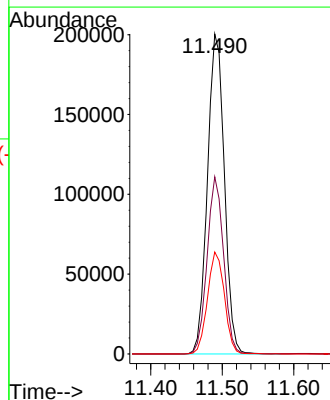
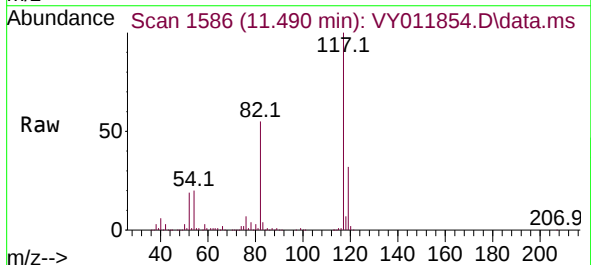
Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)

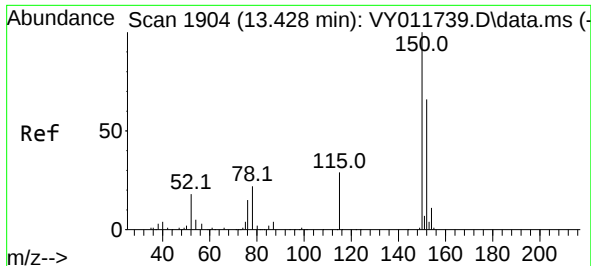
Tgt Ion: 95 Resp: 78285
Ion Ratio Lower Upper
95 100
174 88.6 0.0 172.0
176 84.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Tgt Ion: 117 Resp: 329497
Ion Ratio Lower Upper
117 100
82 55.4 44.8 67.2
119 31.9 25.4 38.2

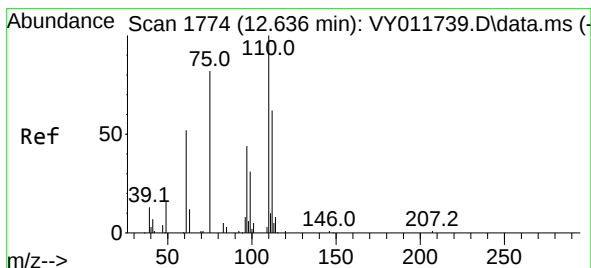
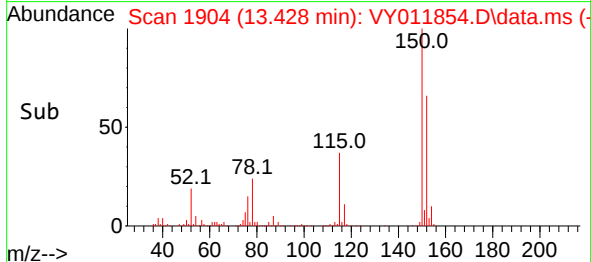
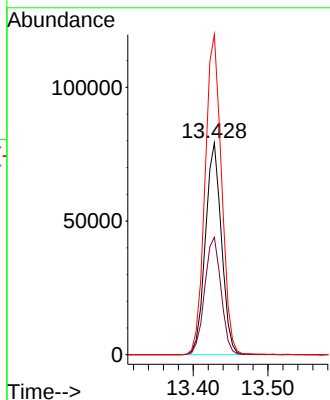
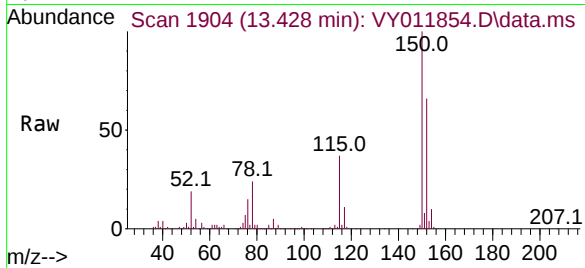




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VY011854.D
 Acq: 14 Dec 2022 18:35

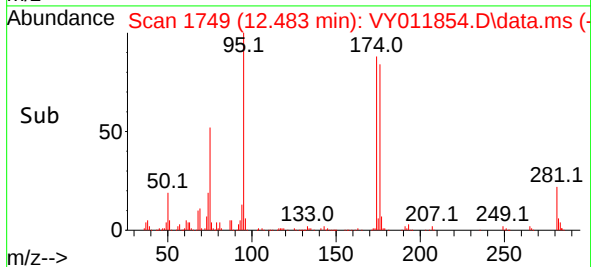
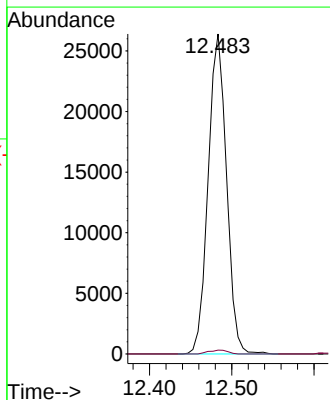
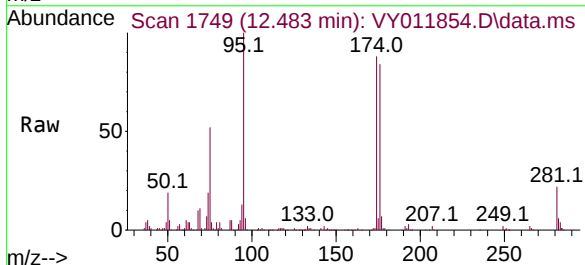
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-32-(1.5-3.5)

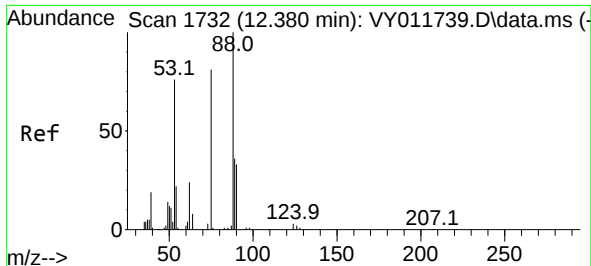
Tgt Ion:152 Resp: 118154
 Ion Ratio Lower Upper
 152 100
 115 56.6 29.1 87.3
 150 155.2 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 34.253 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011854.D
 Acq: 14 Dec 2022 18:35

Tgt Ion: 75 Resp: 40946
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

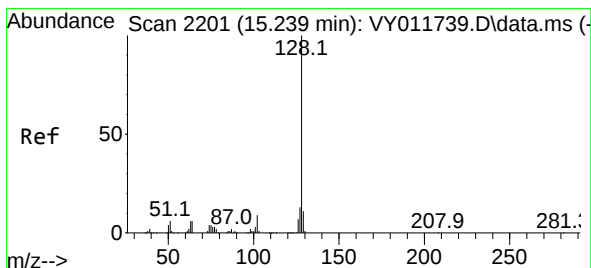
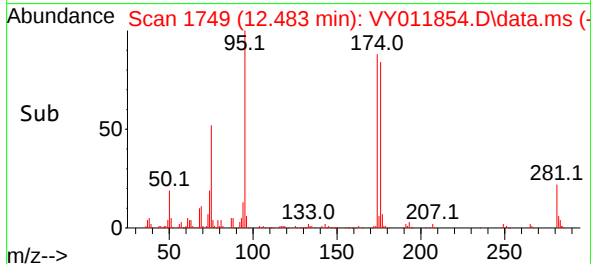
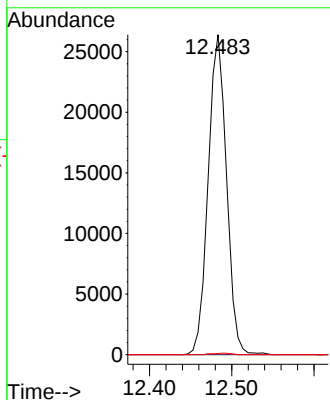
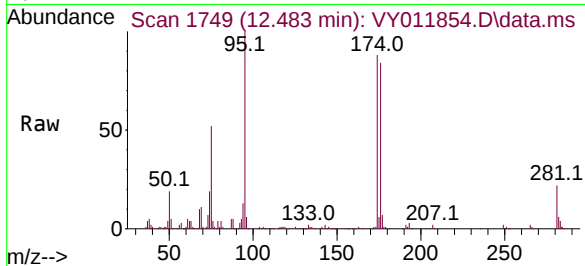




#81
trans-1,4-Dichloro-2-butene
Concen: 77.726 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Instrument :
MSVOA_Y
ClientSampleId :
RB-32-(1.5-3.5)

Tgt Ion: 75 Resp: 40946
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.5 37.0 55.4#



#95
Naphthalene
Concen: 1.009 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011854.D
Acq: 14 Dec 2022 18:35

Tgt Ion: 128 Resp: 3690
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.9 8.8 13.2

