

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011934.D
 Acq On : 20 Dec 2022 19:54
 Operator : KP/MD
 Sample : N6038-25
 Misc : 4.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-41-(3-5)

Quant Time: Dec 21 00:11:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

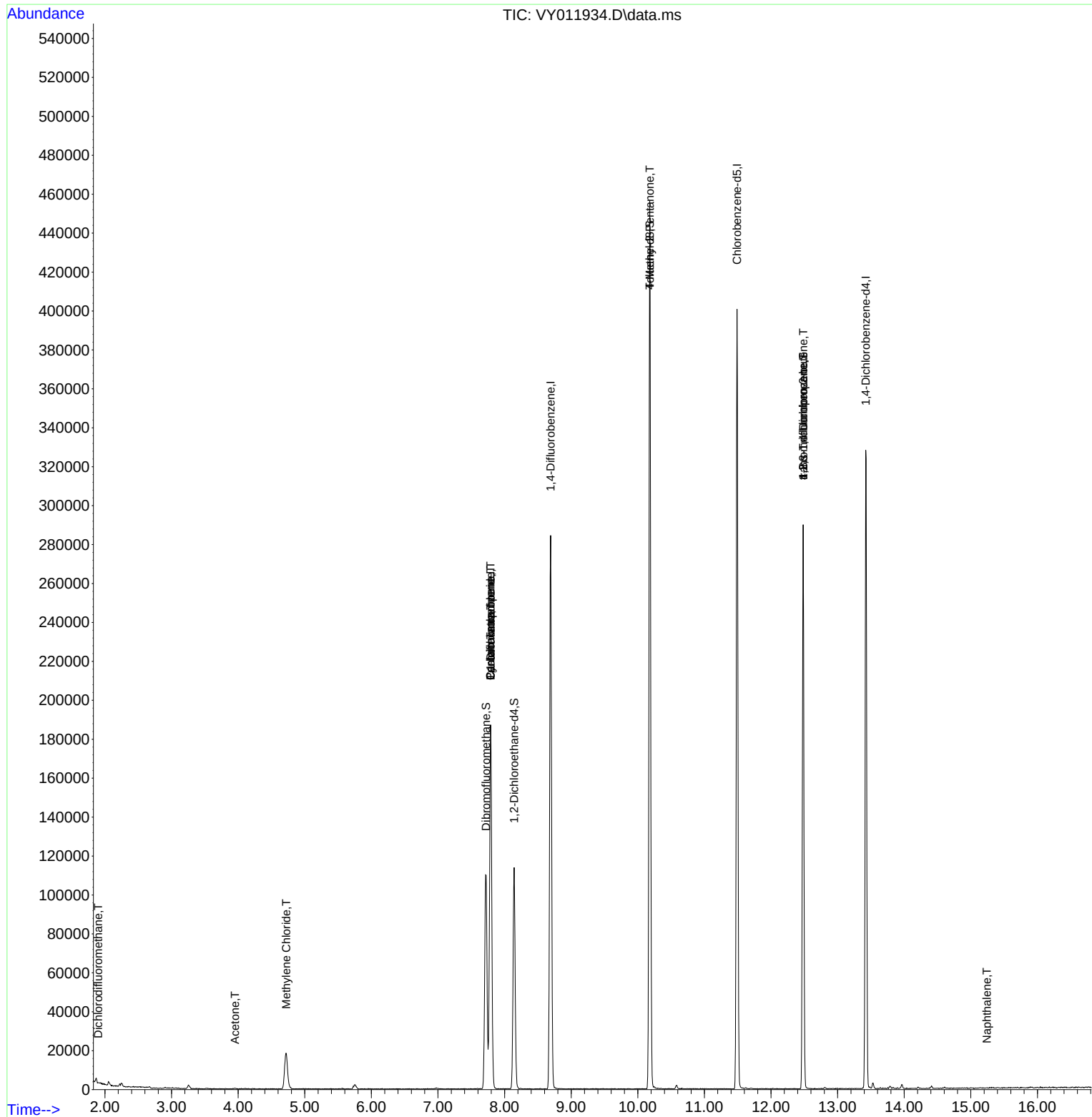
Internal Standards						
1) Pentafluorobenzene	7.789	168	146818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90207	60.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.980%	
35) Dibromofluoromethane	7.722	113	80531	54.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.080%	
50) Toluene-d8	10.179	98	300109	49.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.483	95	85402	42.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	86	2.537	ug/l #	41
11) Tert butyl alcohol	4.948	59	108	Below Cal	#	74
16) Acetone	3.954	43	448	5.869	ug/l #	81
20) Methylene Chloride	4.722	84	14938	3.128	ug/l	91
31) Cyclohexane	7.789	56	2928	1.176	ug/l #	8
36) 1,1-Dichloropropene	7.789	75	11171	4.674	ug/l #	49
38) Carbon Tetrachloride	7.789	117	14627	5.299	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1157	1.108	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	44334	39.810	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44334	109.020	ug/l #	13
95) Naphthalene	15.239	128	172	2.828	ug/l #	69

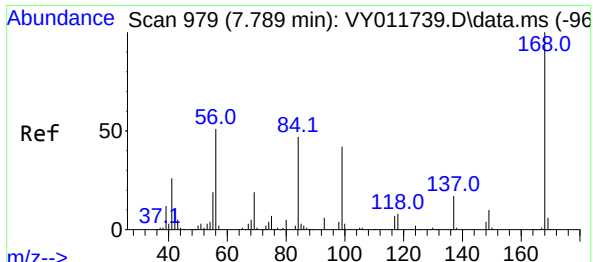
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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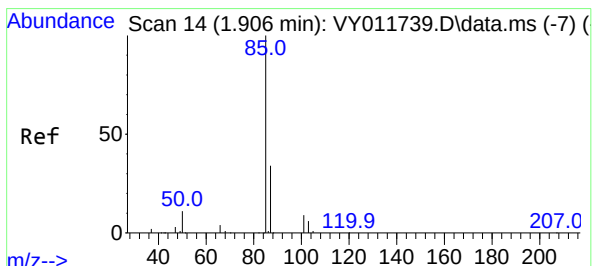
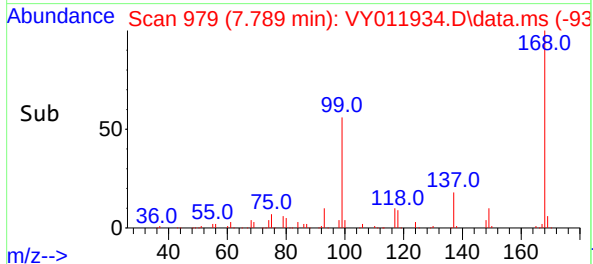
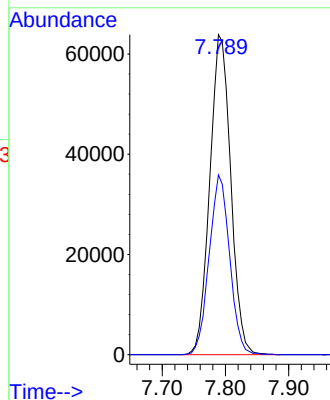
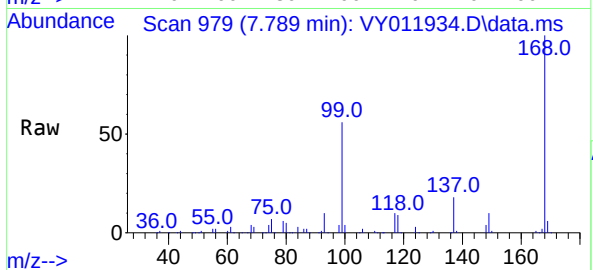




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

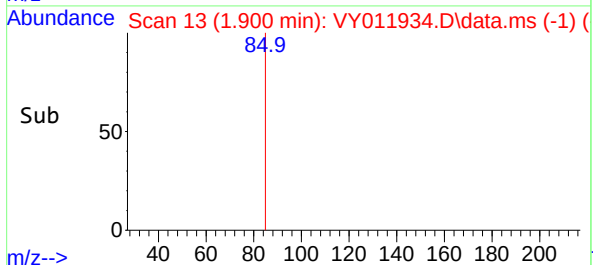
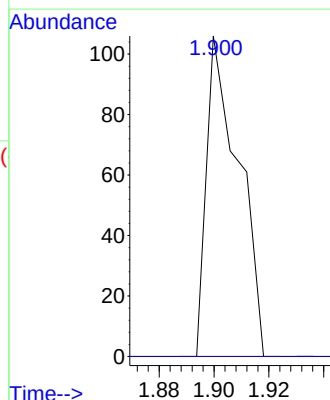
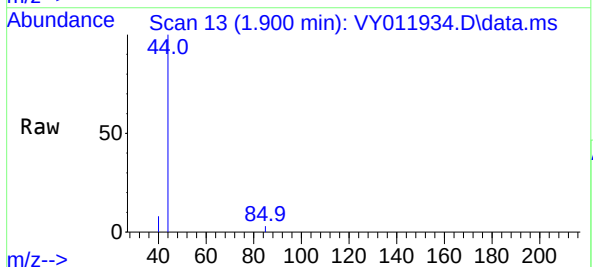
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

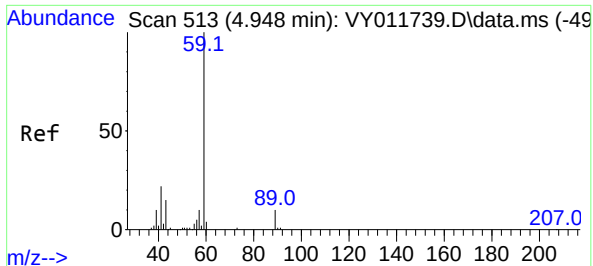
Tgt Ion:168 Resp: 146818
Ion Ratio Lower Upper
168 100
99 56.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.537 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 85 Resp: 86
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY011934.D

Acq: 20 Dec 2022 19:54

Instrument :

MSVOA_Y

ClientSampleId :

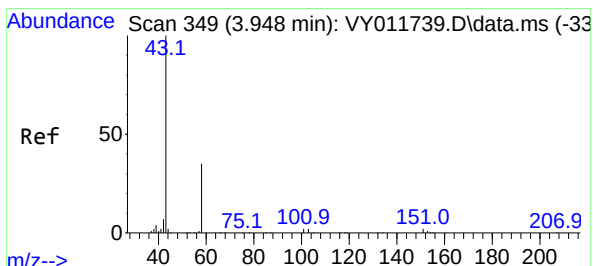
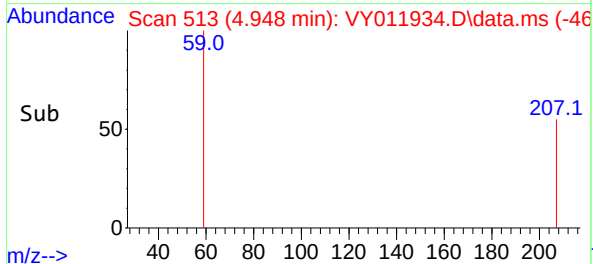
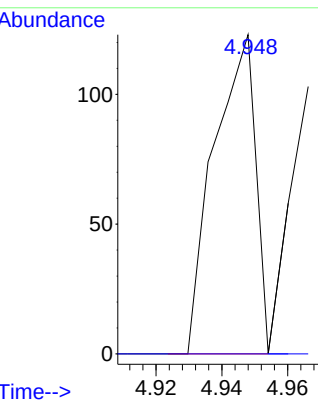
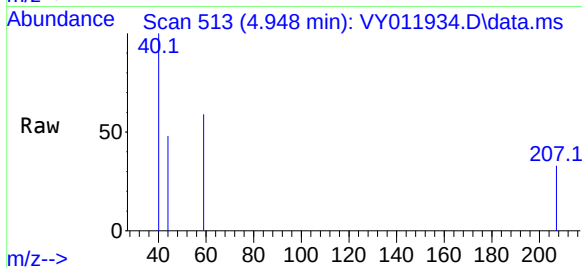
RB-41-(3-5)

Tgt Ion: 59 Resp: 108

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 5.869 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011934.D

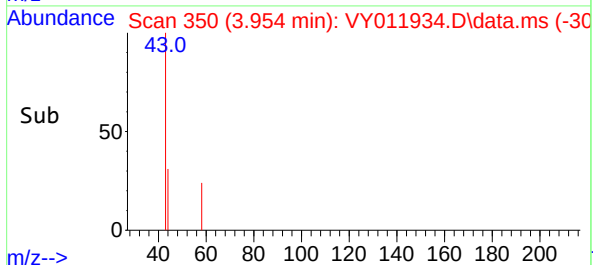
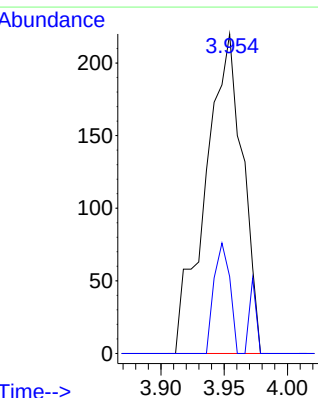
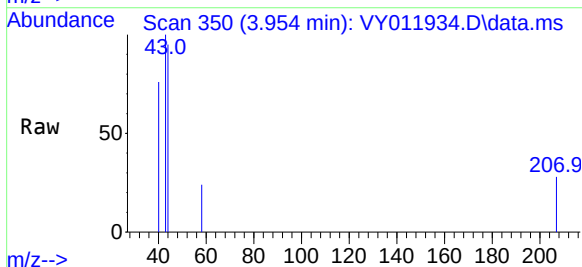
Acq: 20 Dec 2022 19:54

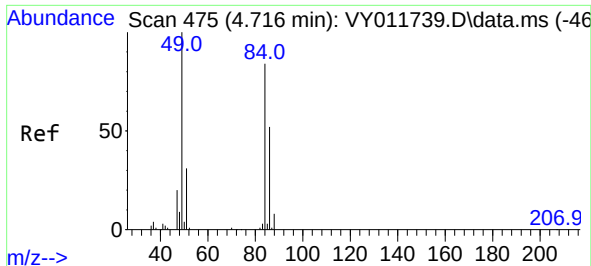
Tgt Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

58 24.1 27.9 41.9#



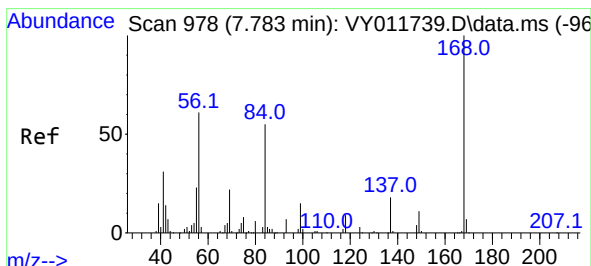
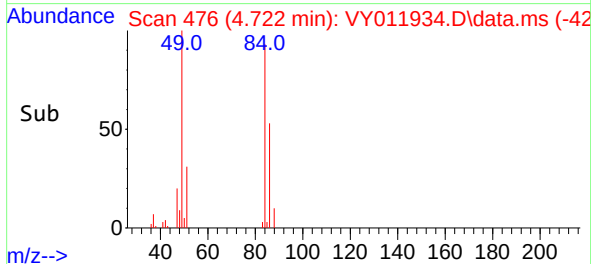
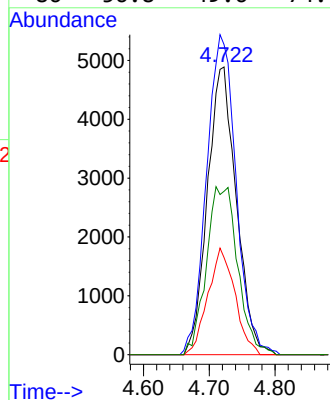
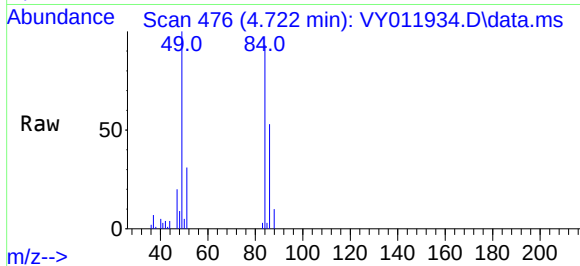


#20
Methylene Chloride
Concen: 3.128 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

Tgt Ion: 84 Resp: 14938

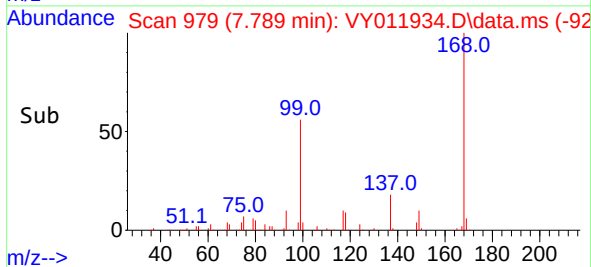
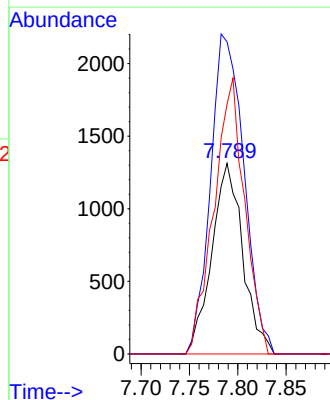
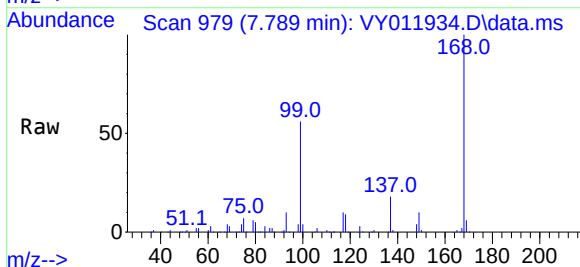
Ion	Ratio	Lower	Upper
84	100		
49	107.8	95.4	143.2
51	33.8	29.9	44.9
86	56.8	49.6	74.4

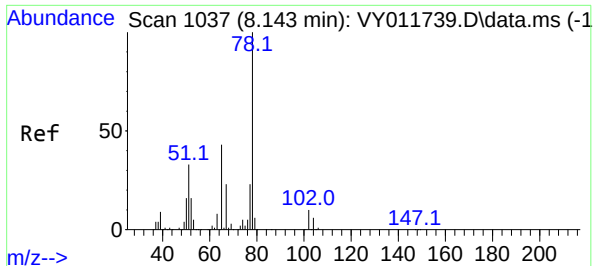


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 56 Resp: 2928

Ion	Ratio	Lower	Upper
56	100		
69	163.7	29.2	43.8#
84	131.1	72.6	108.8#

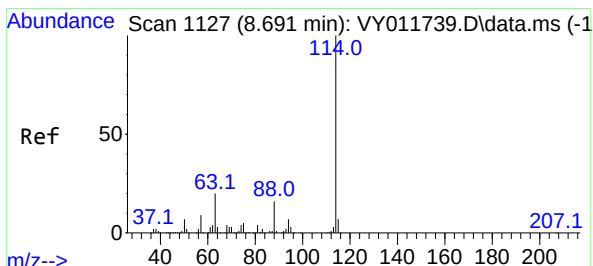
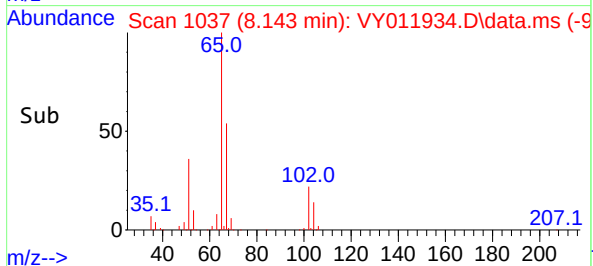
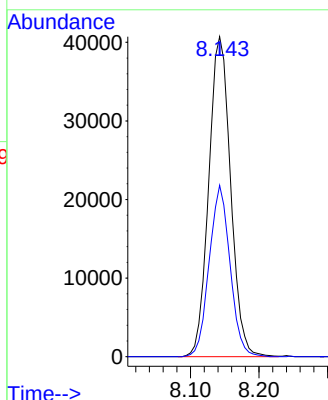
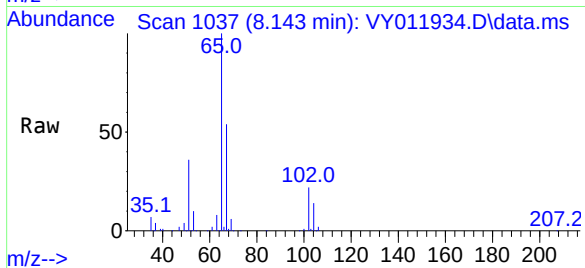




#33
1,2-Dichloroethane-d4
Concen: 60.985 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

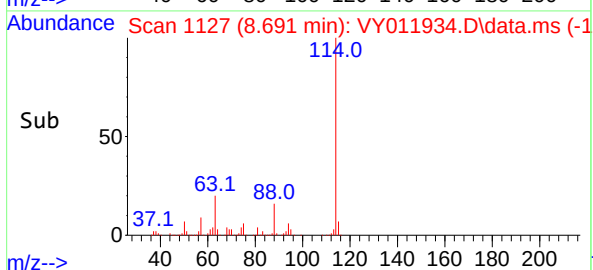
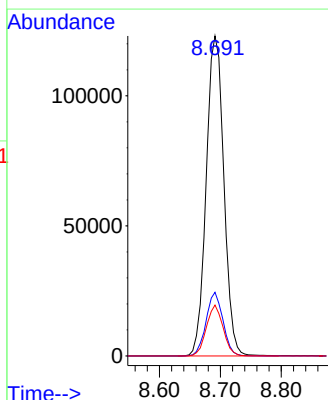
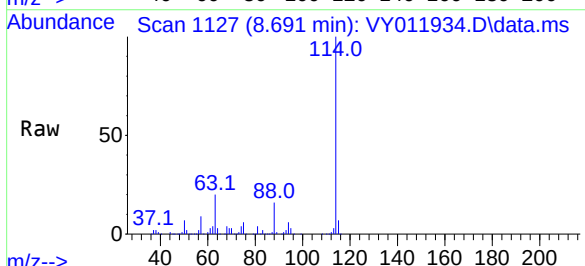
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

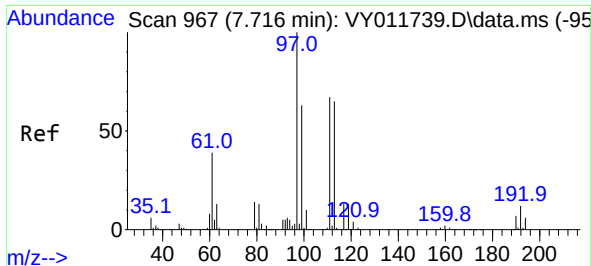
Tgt Ion: 65 Resp: 90207
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 114 Resp: 247519
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.6
88 15.9 0.0 32.2

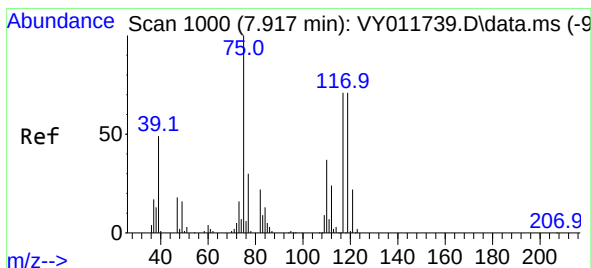
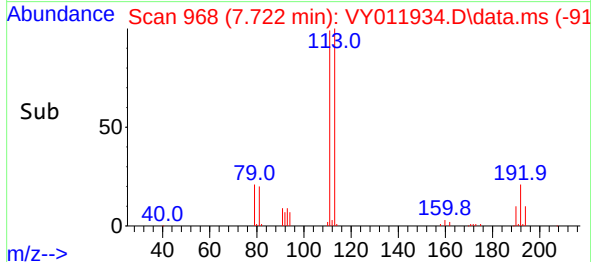
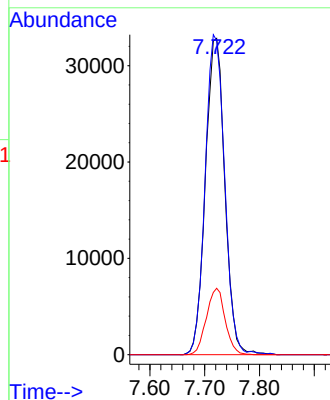
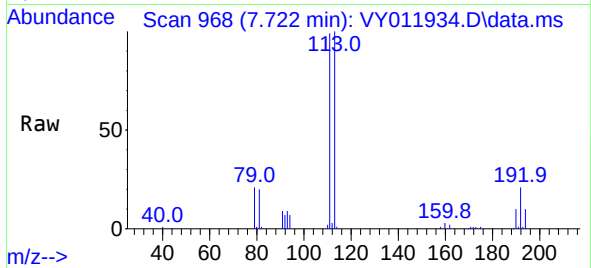




#35
Dibromofluoromethane
Concen: 54.043 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

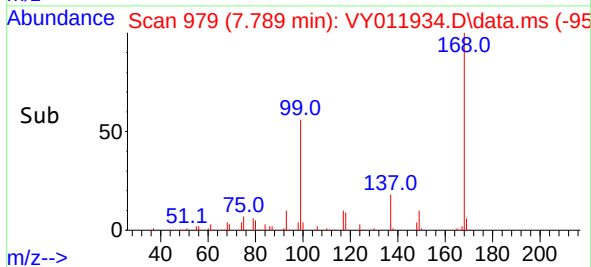
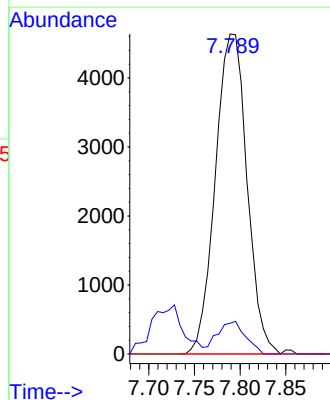
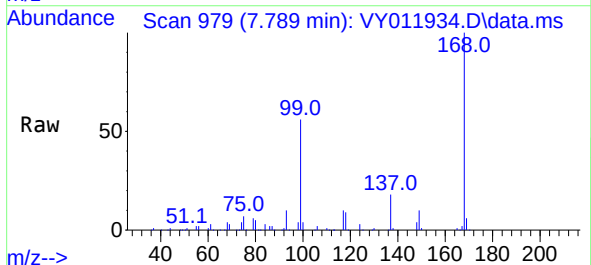
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

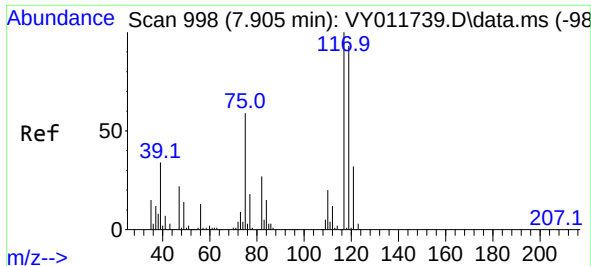
Tgt Ion:113 Resp: 80531
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.4
192 20.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.674 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 75 Resp: 11171
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.1#
77 0.0 25.1 37.7#

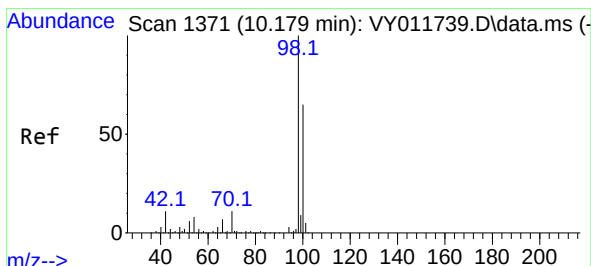
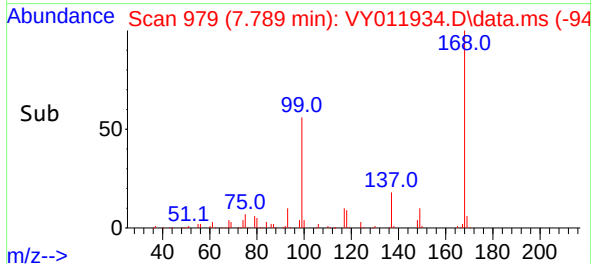
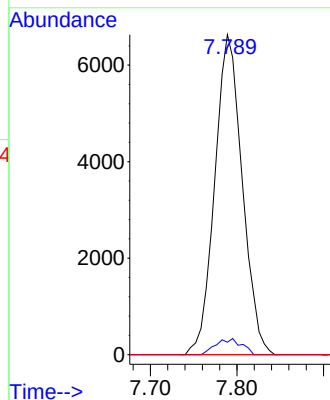
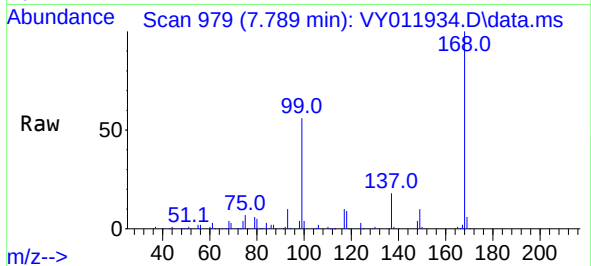




#38
Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

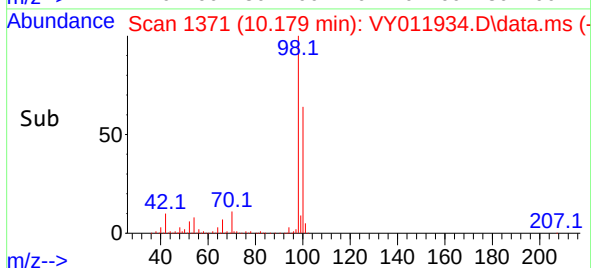
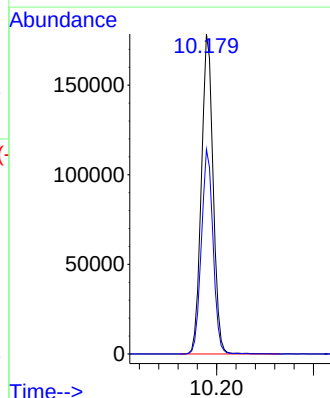
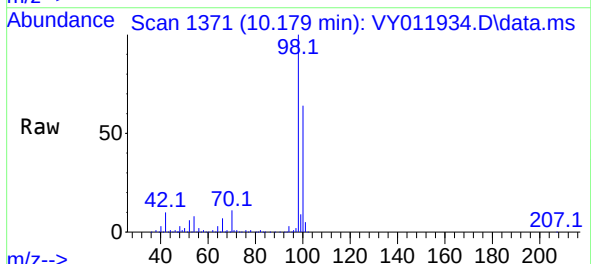
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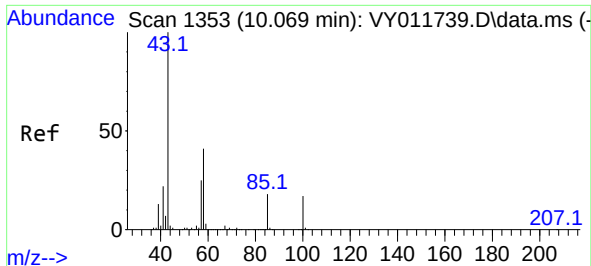
Tgt Ion:117 Resp: 14627
Ion Ratio Lower Upper
117 100
119 3.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.639 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 98 Resp: 300109
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

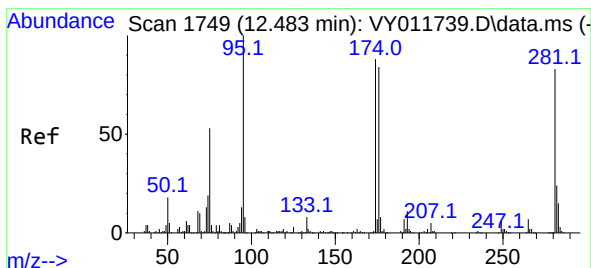
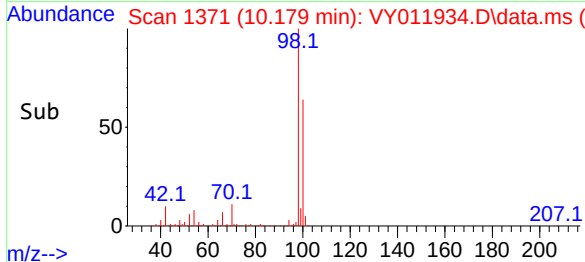
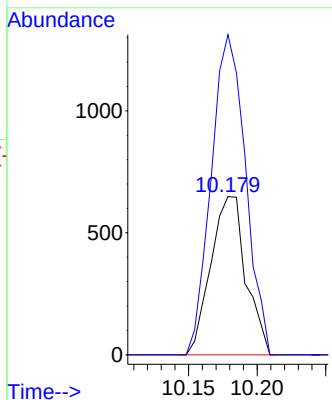
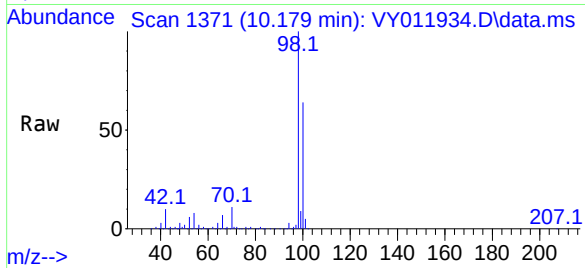




#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

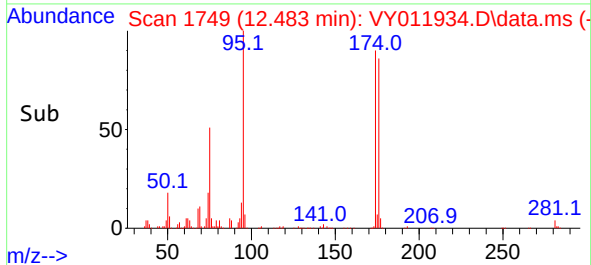
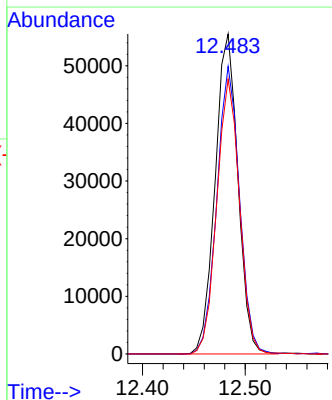
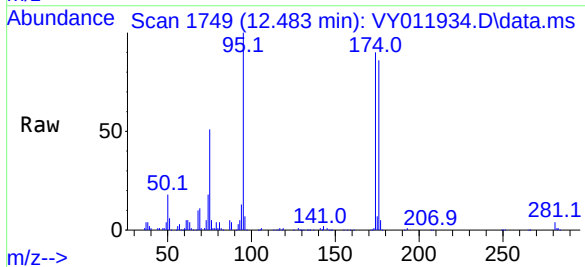
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

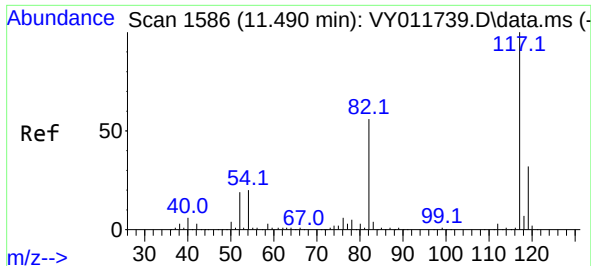
Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
58 197.8 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 42.001 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 95 Resp: 85402
Ion Ratio Lower Upper
95 100
174 89.3 0.0 172.0
176 85.4 0.0 167.6

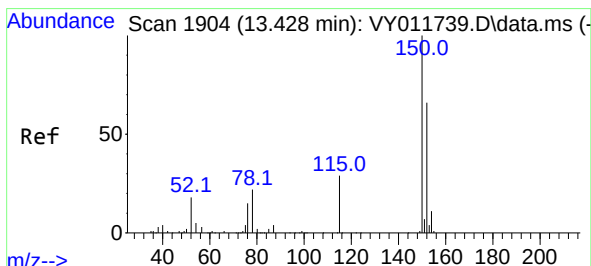
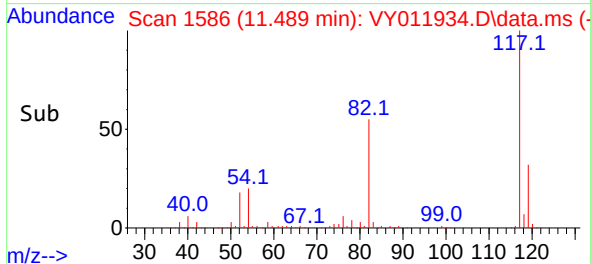
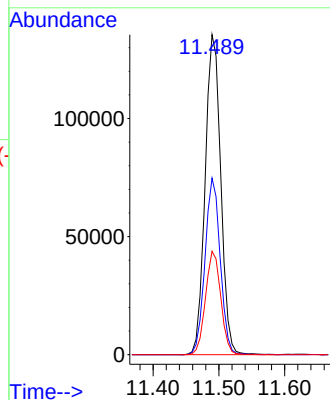
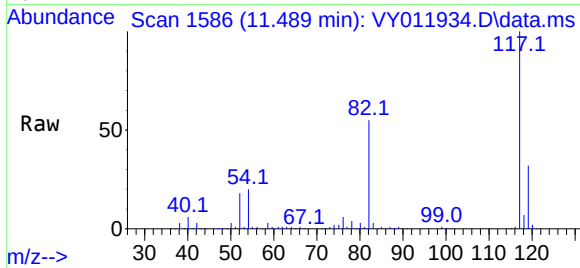




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

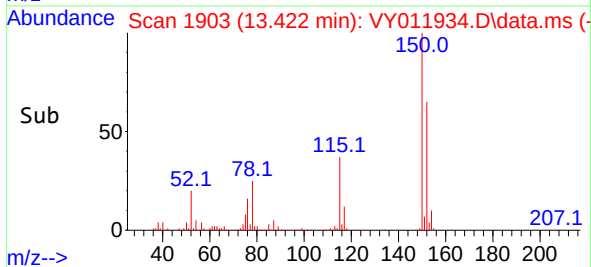
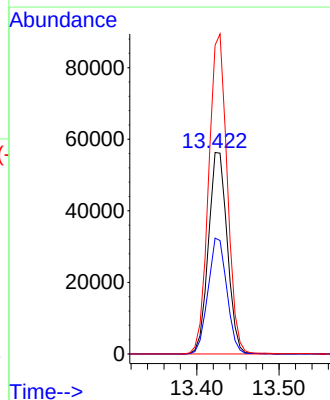
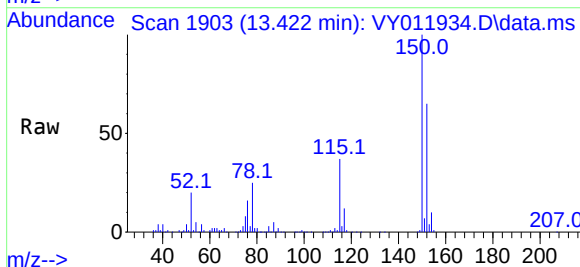
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

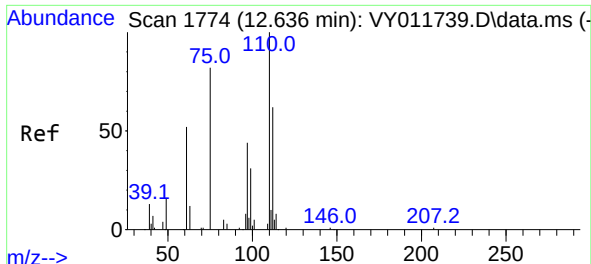
Tgt Ion:117 Resp: 223971
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion:152 Resp: 89497
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 156.6 0.0 342.6

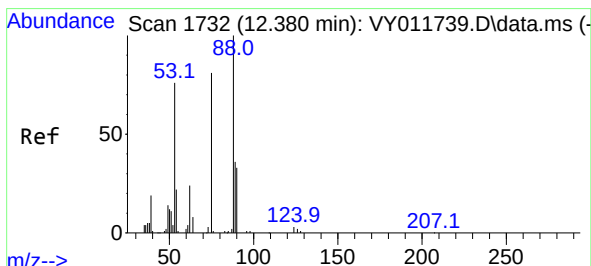
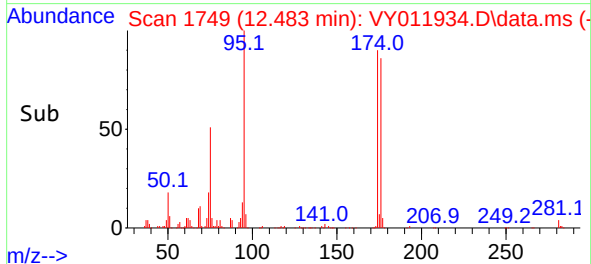
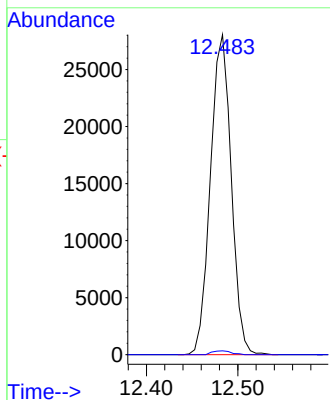
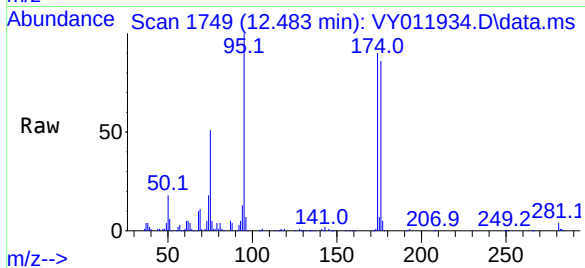




#76
1,2,3-Trichloropropane
Concen: 39.810 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

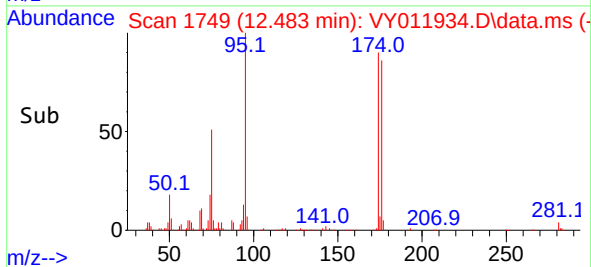
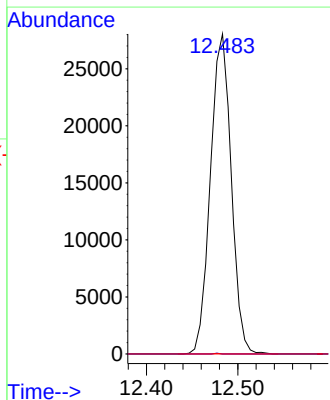
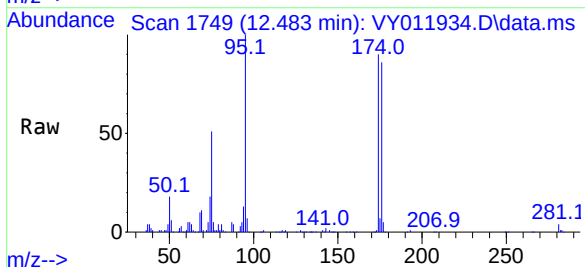
Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

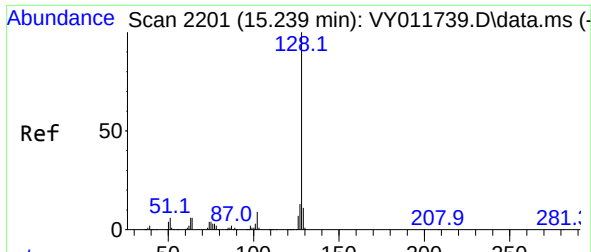
Tgt Ion: 75 Resp: 44334
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.020 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Tgt Ion: 75 Resp: 44334
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.828 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011934.D
Acq: 20 Dec 2022 19:54

Instrument :
MSVOA_Y
ClientSampleId :
RB-41-(3-5)

Tgt Ion:128 Resp: 172
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

