

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011884.D
 Acq On : 15 Dec 2022 19:53
 Operator : KP/MD
 Sample : N6038-11RE
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-34-(1.5-2)RE

Quant Time: Dec 16 00:16:28 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	295147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	501683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	405574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147955	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100333	49.797	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.600%
35) Dibromofluoromethane	7.716	113	43779	17.081	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	34.160%#
50) Toluene-d8	10.179	98	323702	43.422	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.840%
62) 4-Bromofluorobenzene	12.483	95	144006	49.461	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.920%

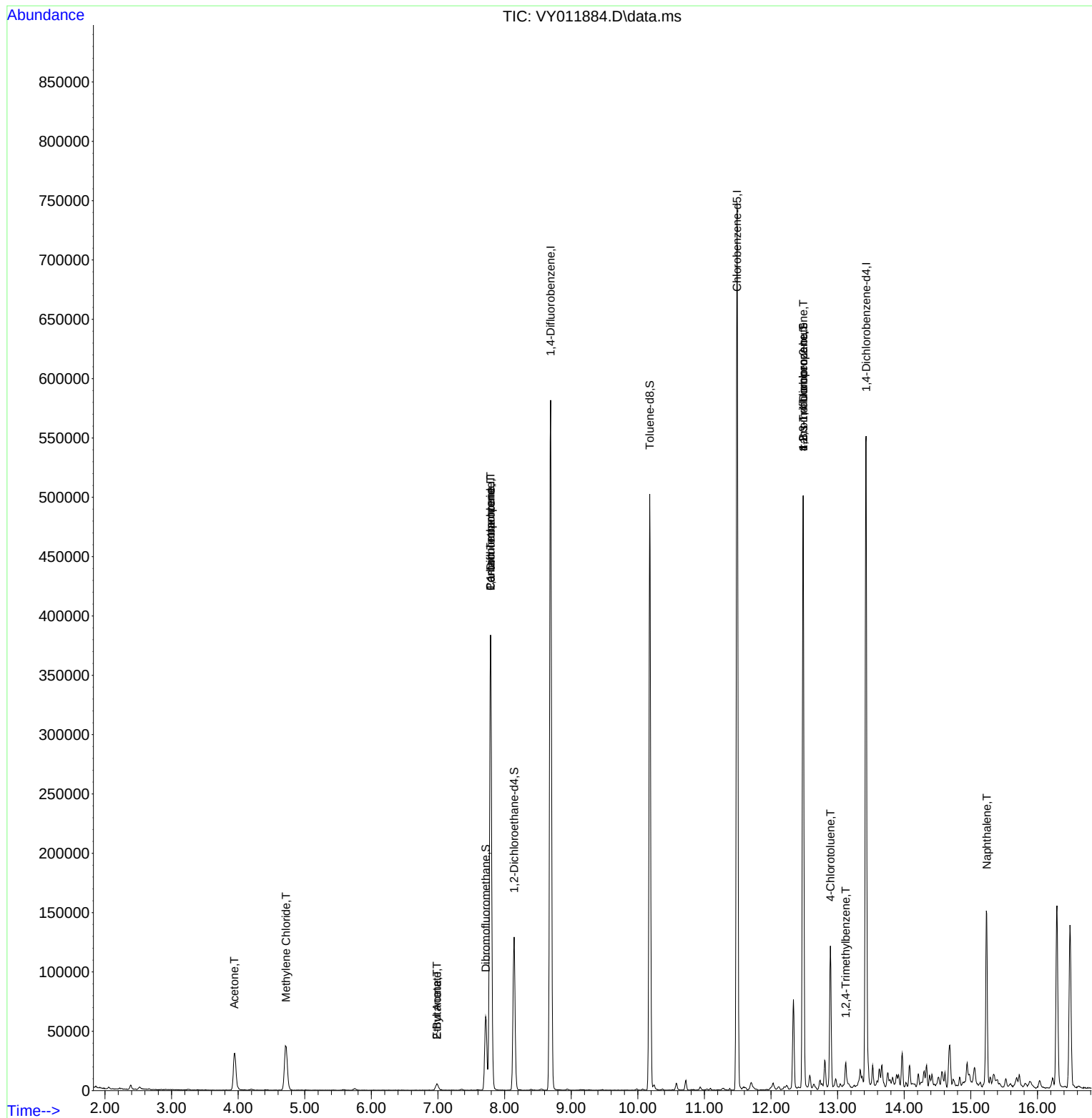
Target Compounds						Qvalue
3) Chloromethane	2.119	50	140	Below Cal	#	41
4) Vinyl Chloride	2.308	62	24	Below Cal	#	43
5) Bromomethane	2.662	94	78	Below Cal		84
11) Tert butyl alcohol	4.948	59	277	Below Cal	#	74
16) Acetone	3.942	43	56403	69.987	ug/l	96
18) Methyl Acetate	4.491	43	19	Below Cal	#	50
20) Methylene Chloride	4.716	84	29617	5.041	ug/l	92
25) 2-Butanone	6.984	43	6753	6.514	ug/l	94
31) Cyclohexane	7.789	56	5620	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21747	5.712	ug/l #	50
37) Ethyl Acetate	6.984	43	6753	3.034	ug/l #	71
38) Carbon Tetrachloride	7.789	117	29633	6.626	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	76025	50.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	76025	115.248	ug/l #	13
82) 4-Chlorotoluene	12.892	91	14528	2.136	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	11555	1.448	ug/l	93
95) Naphthalene	15.239	128	122360	26.724	ug/l	99

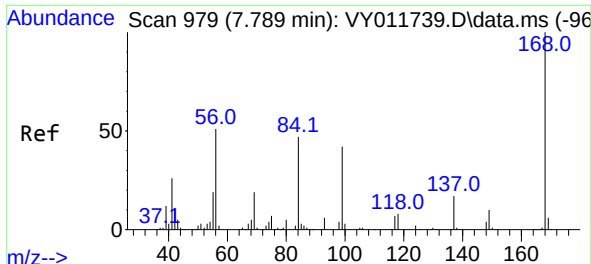
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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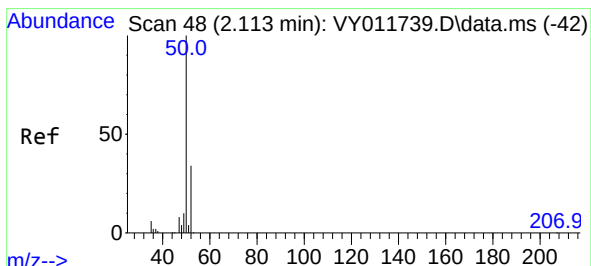
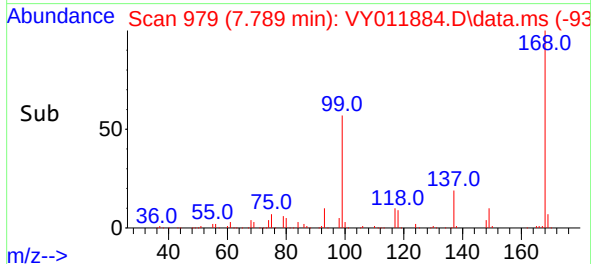
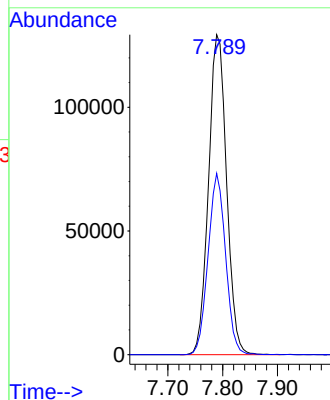
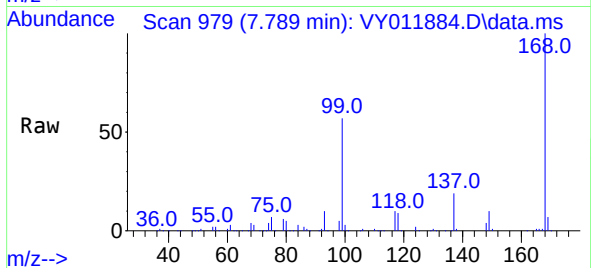




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

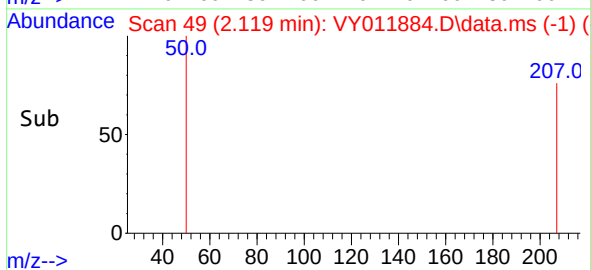
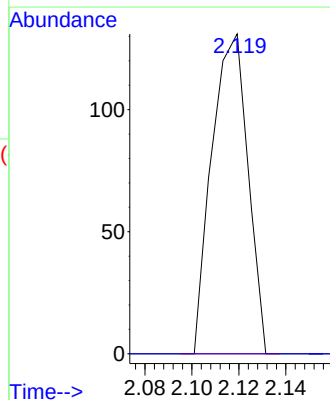
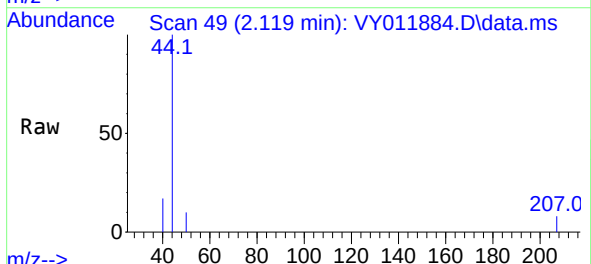
Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

Tgt Ion:168 Resp: 295147
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0

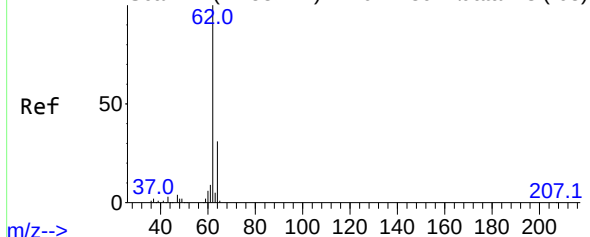


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

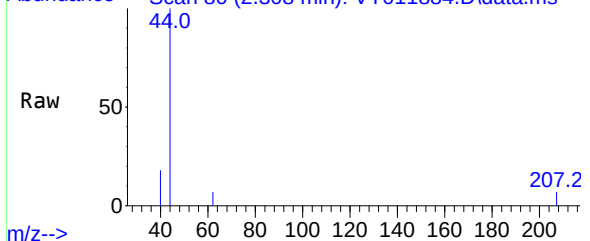
Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



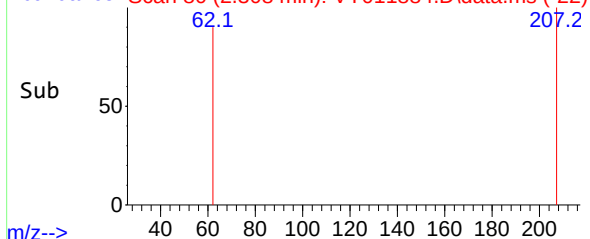
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



Abundance Scan 80 (2.308 min): VY011884.D\data.ms



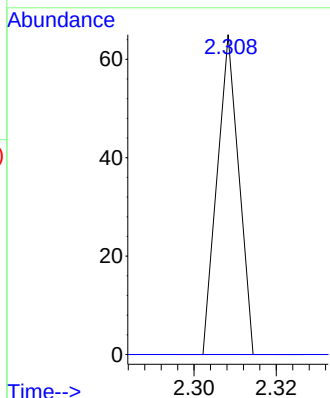
Abundance Scan 80 (2.308 min): VY011884.D\data.ms (-22)



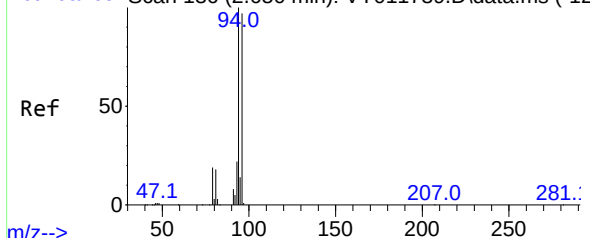
#4
Vinyl Chloride
Concen: Below Cal
RT: 2.308 min Scan# 80
Delta R.T. 0.055 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

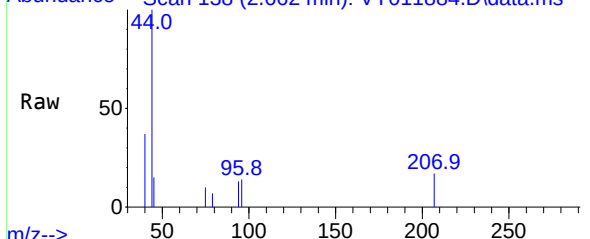
Tgt Ion: 62 Resp: 24
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



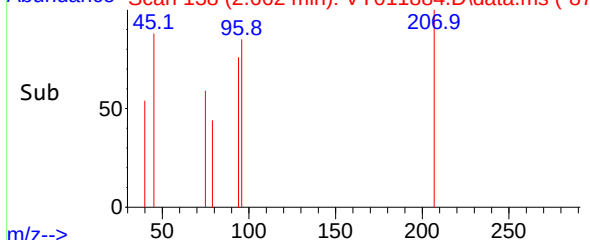
Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



Abundance Scan 138 (2.662 min): VY011884.D\data.ms

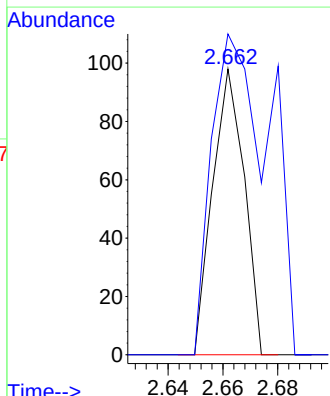


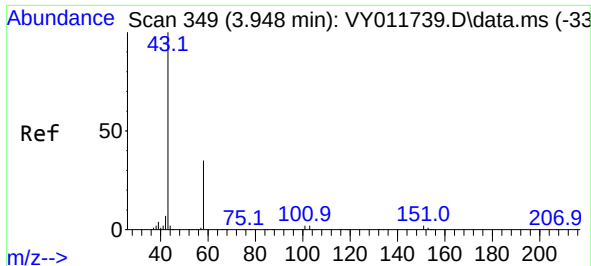
Abundance Scan 138 (2.662 min): VY011884.D\data.ms (-87)



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 112.2 77.4 116.2

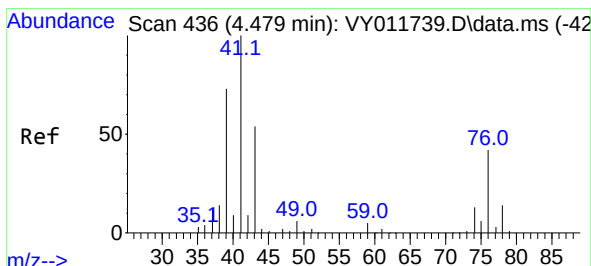
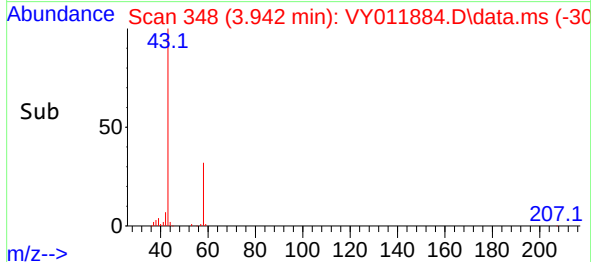
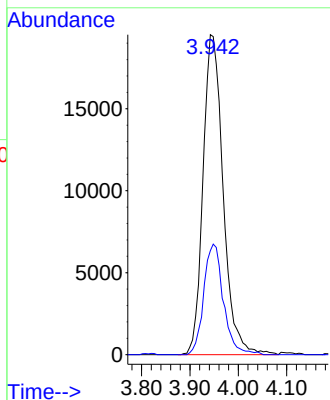
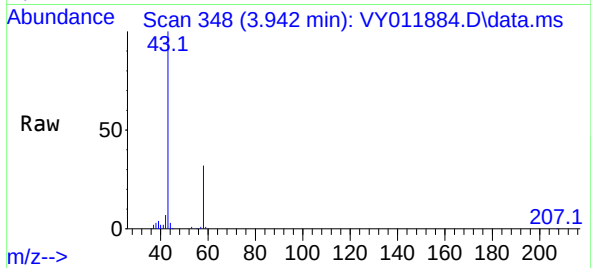




#16
Acetone
Concen: 69.987 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

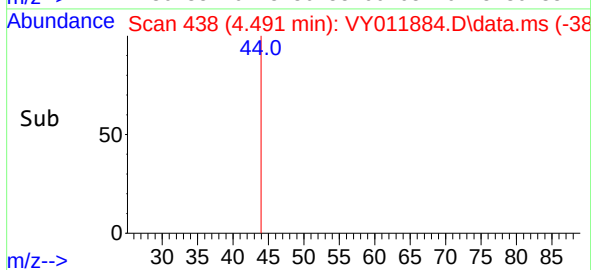
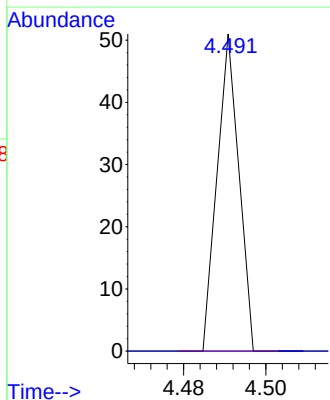
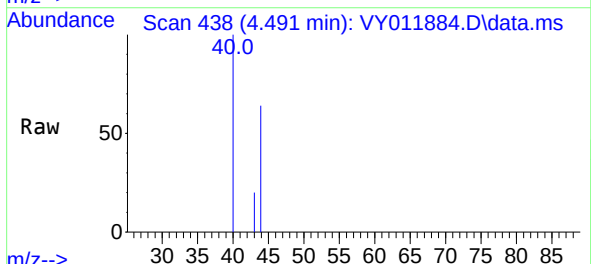
Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

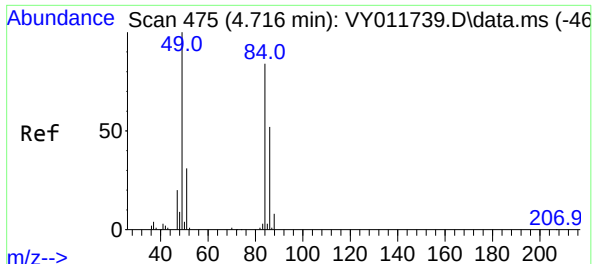
Tgt Ion: 43 Resp: 56403
Ion Ratio Lower Upper
43 100
58 32.5 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.012 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



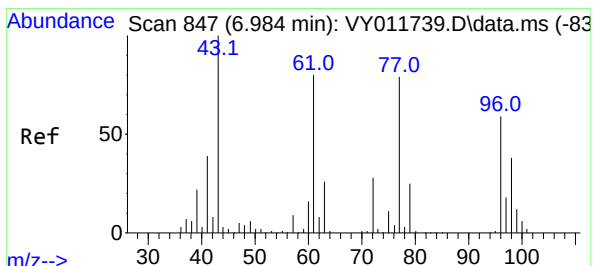
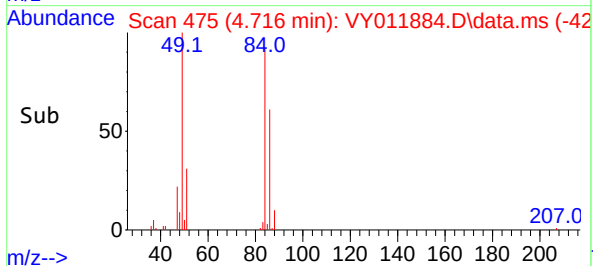
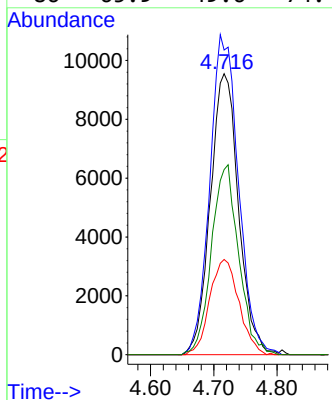
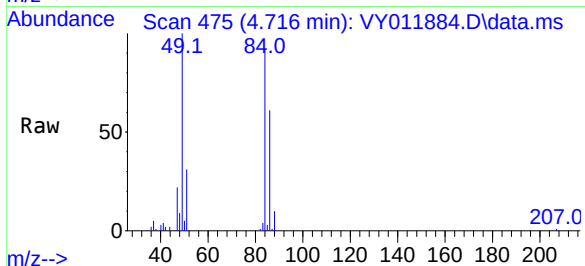


#20
Methylene Chloride
Concen: 5.041 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

Tgt Ion: 84 Resp: 29617

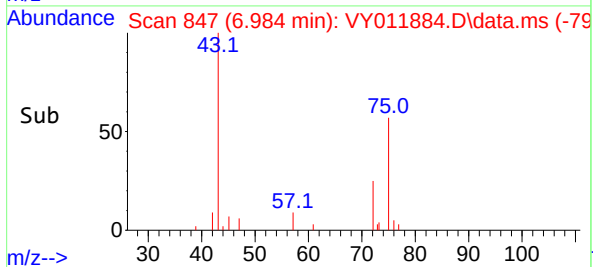
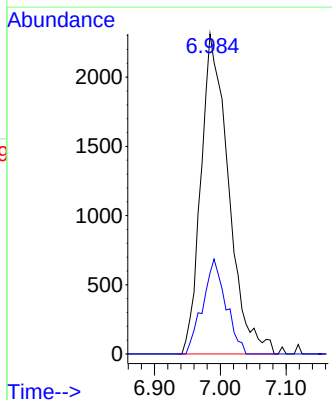
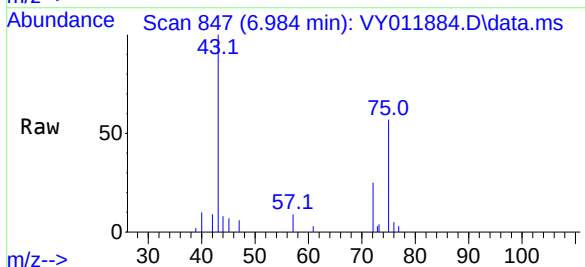
Ion	Ratio	Lower	Upper
84	100		
49	108.5	95.4	143.2
51	33.9	29.9	44.9
86	65.9	49.6	74.4

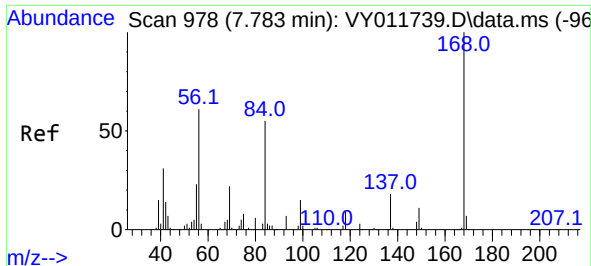


#25
2-Butanone
Concen: 6.514 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 43 Resp: 6753

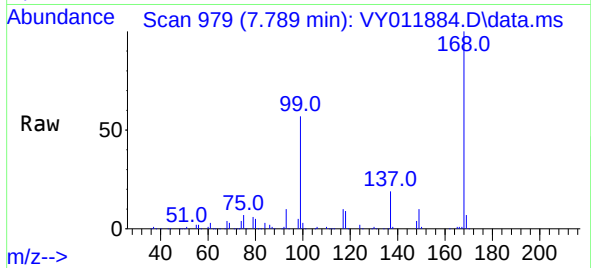
Ion	Ratio	Lower	Upper
43	100		
72	25.3	22.6	34.0



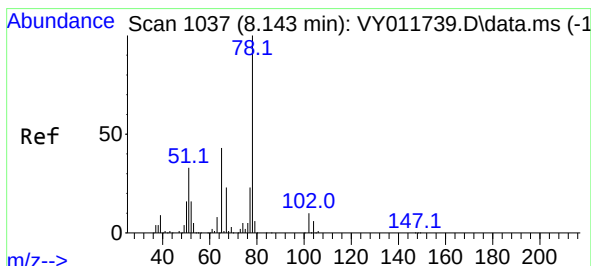
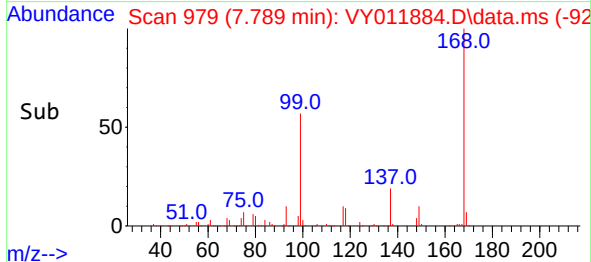
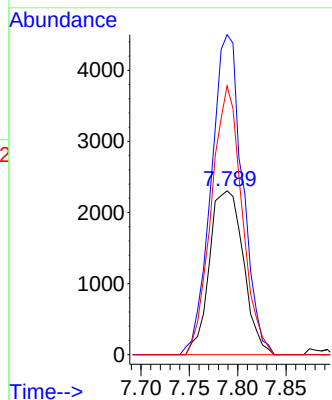


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

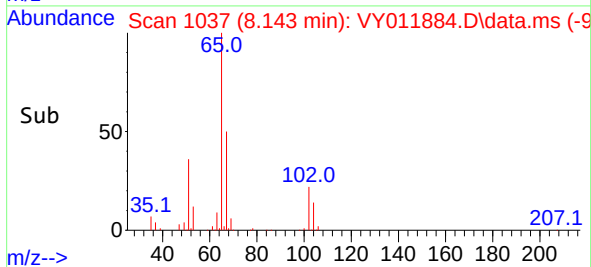
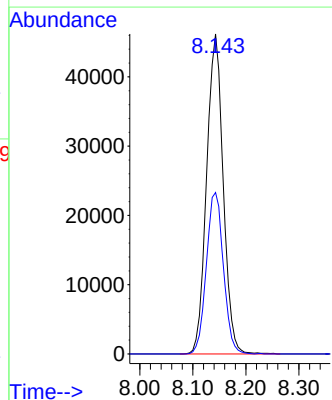
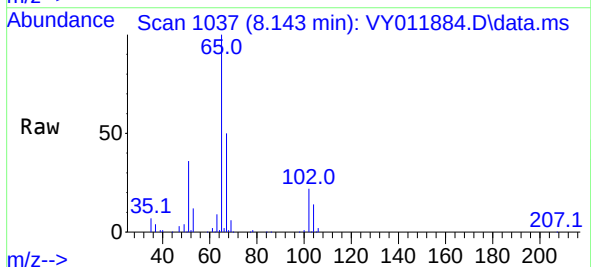


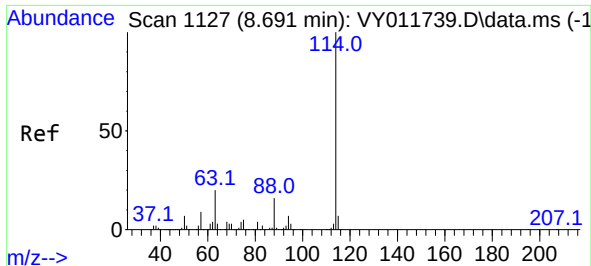
Tgt Ion: 56 Resp: 5620
Ion Ratio Lower Upper
56 100
69 195.4 29.2 43.8#
84 164.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 49.797 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 65 Resp: 100333
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2



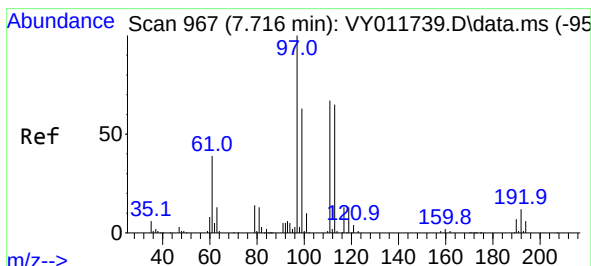
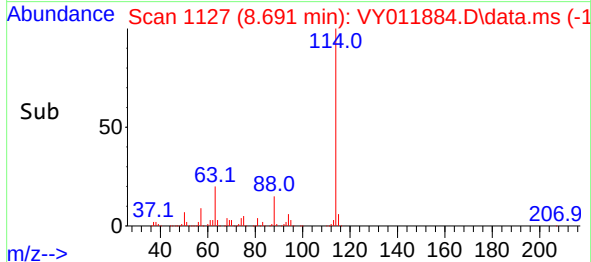
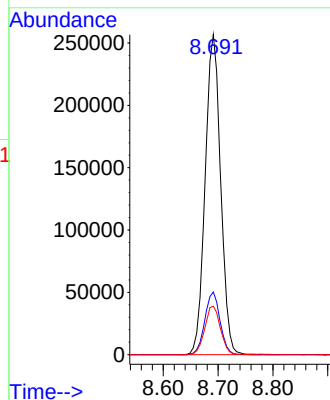
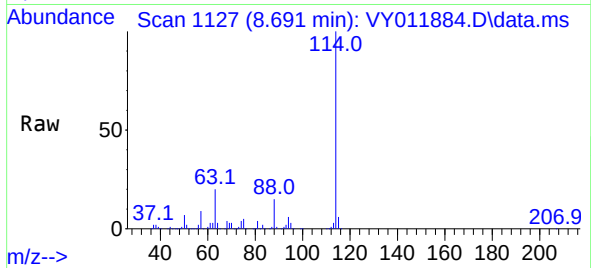


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

Tgt Ion:114 Resp: 501683

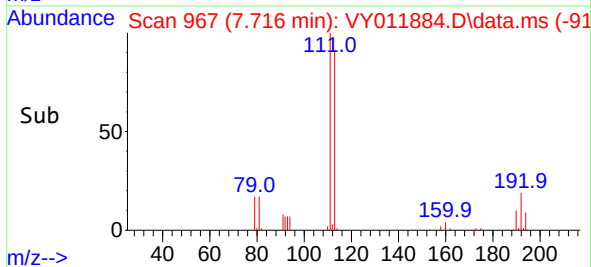
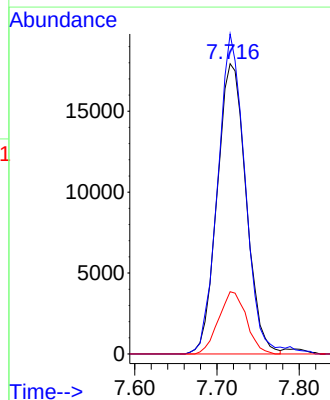
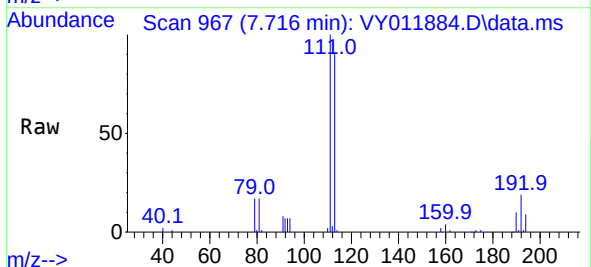
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.2	0.0	32.2

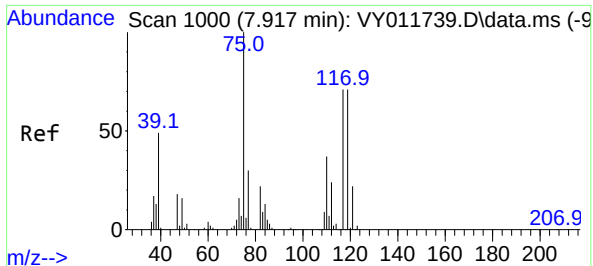


#35
Dibromofluoromethane
Concen: 17.081 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion:113 Resp: 43779

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.0	124.4
192	20.6	16.0	24.0

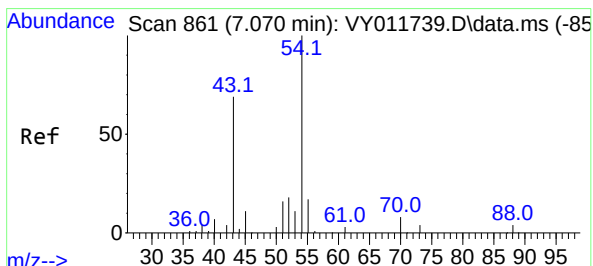
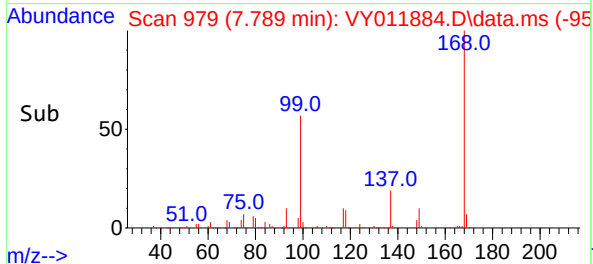
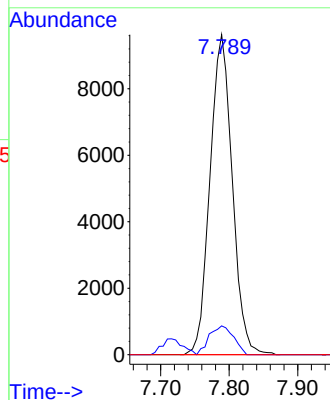
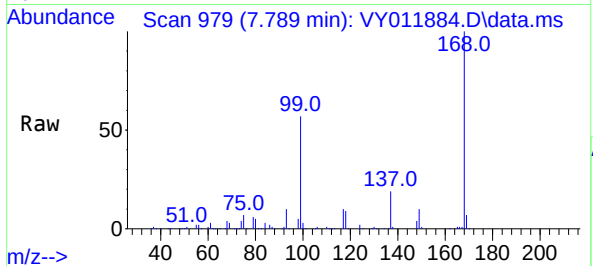




#36
1,1-Dichloropropene
Concen: 5.712 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

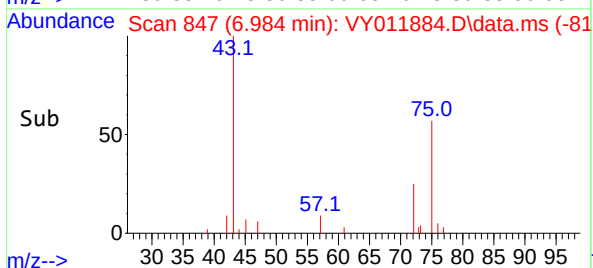
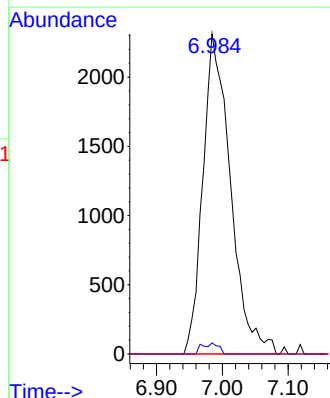
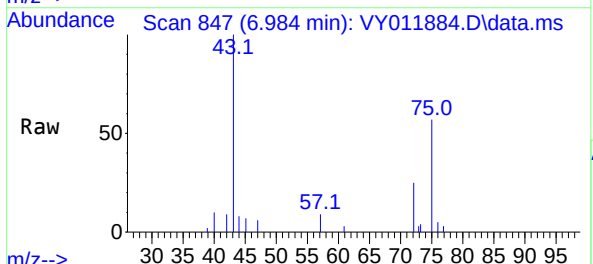
Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

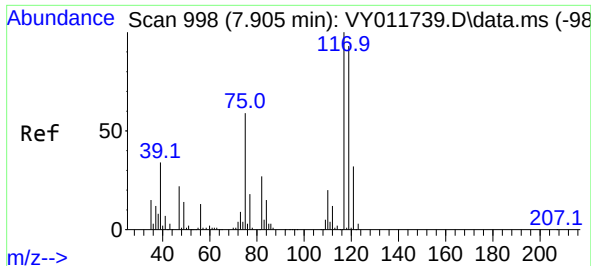
Tgt Ion:	75	Resp:	21747
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.0	25.1	37.7#



#37
Ethyl Acetate
Concen: 3.034 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

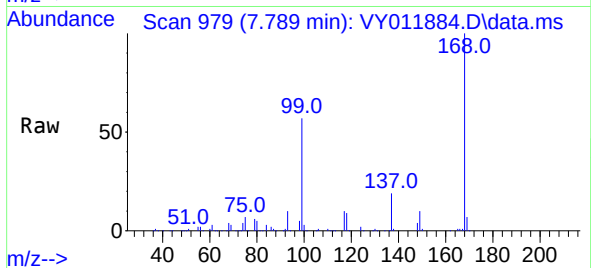
Tgt Ion:	43	Resp:	6753
Ion	Ratio	Lower	Upper
43	100		
61	2.0	11.3	16.9#
70	0.0	8.2	12.4#



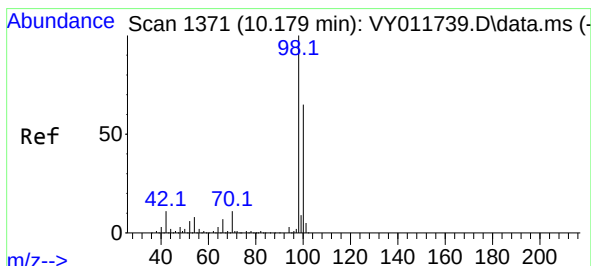
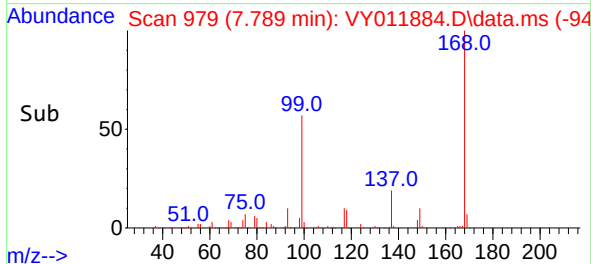
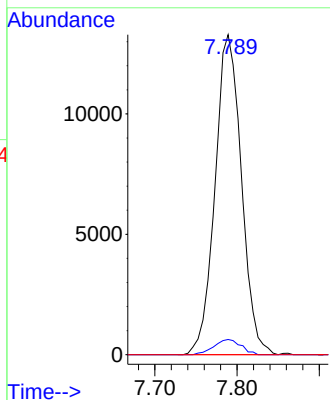


#38
Carbon Tetrachloride
Concen: 6.626 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

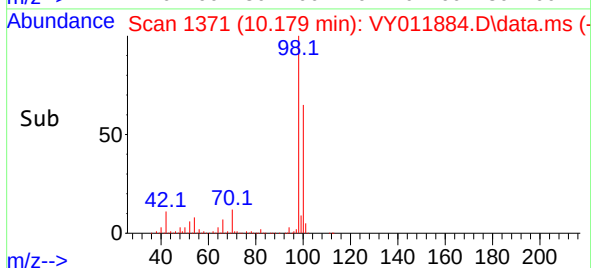
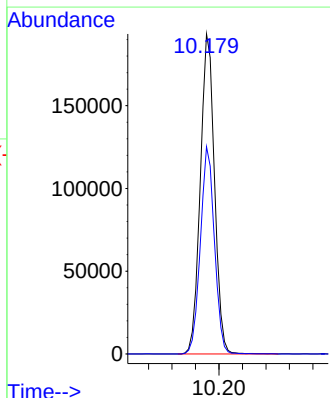
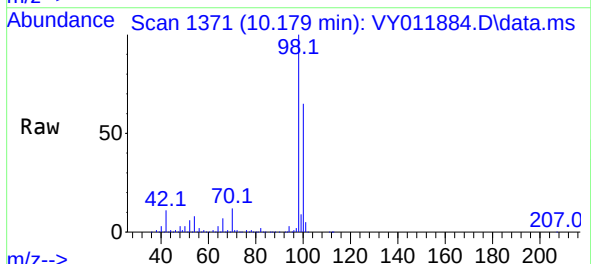


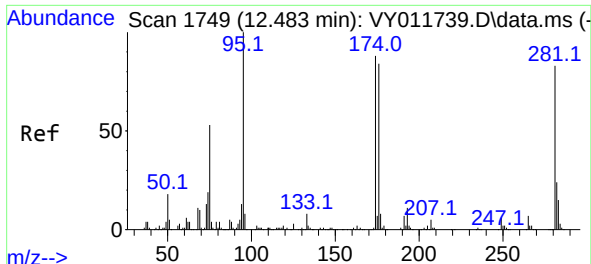
Tgt Ion:117 Resp: 29633
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 43.422 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 98 Resp: 323702
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

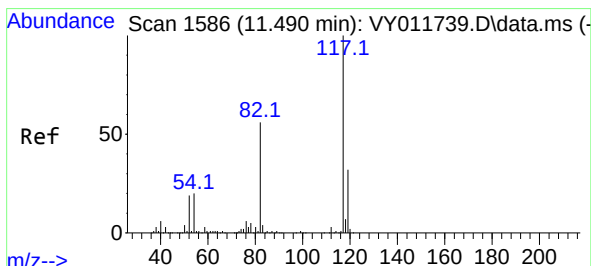
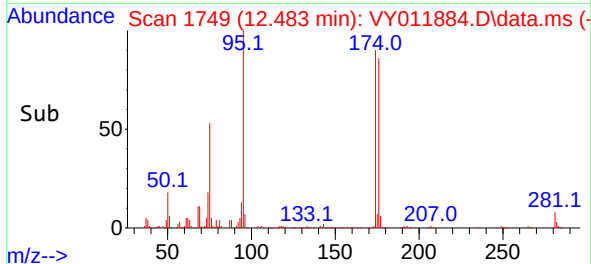
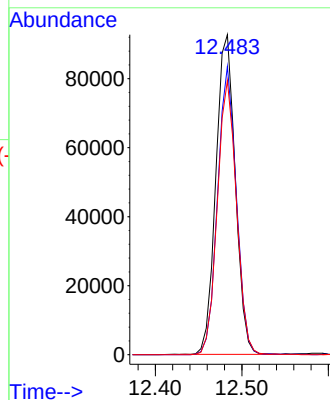
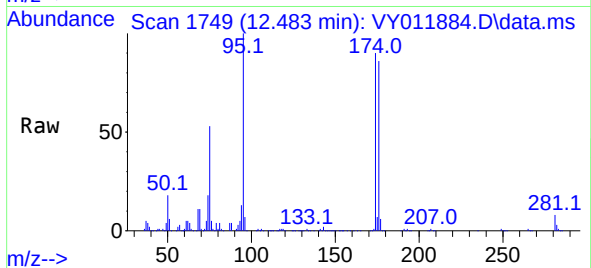




#62
4-Bromofluorobenzene
Concen: 49.461 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

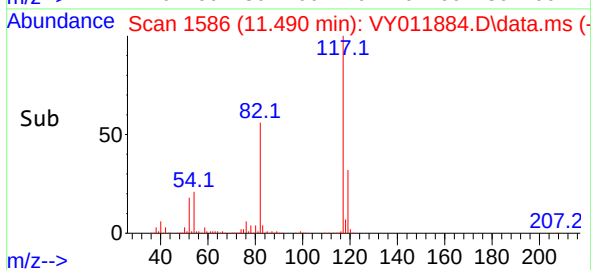
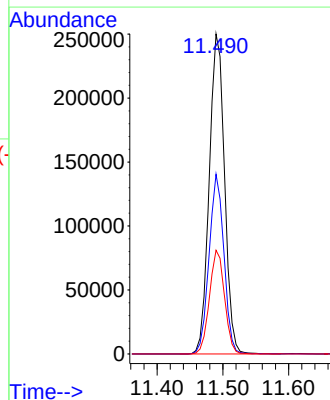
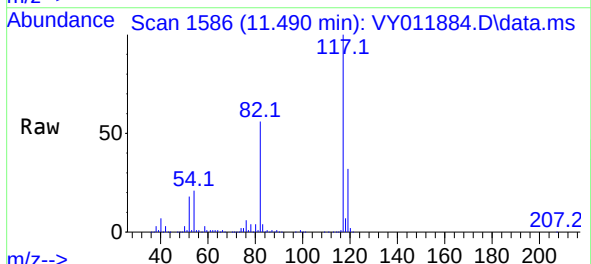
Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

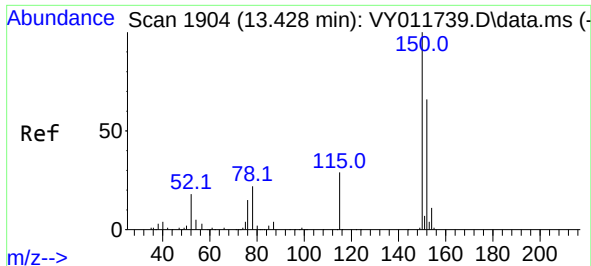
Tgt Ion: 95 Resp: 144006
Ion Ratio Lower Upper
95 100
174 87.4 0.0 172.0
176 84.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

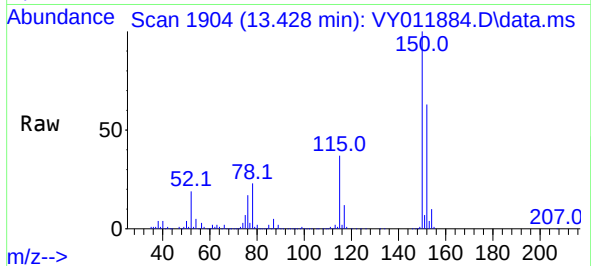
Tgt Ion: 117 Resp: 405574
Ion Ratio Lower Upper
117 100
82 56.2 44.8 67.2
119 32.4 25.4 38.2



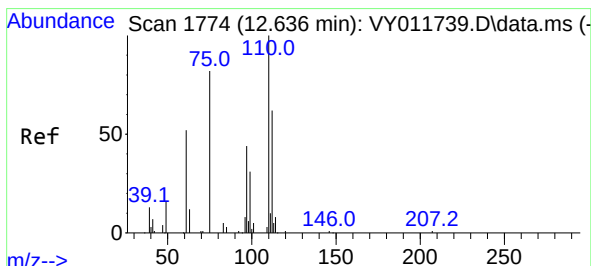
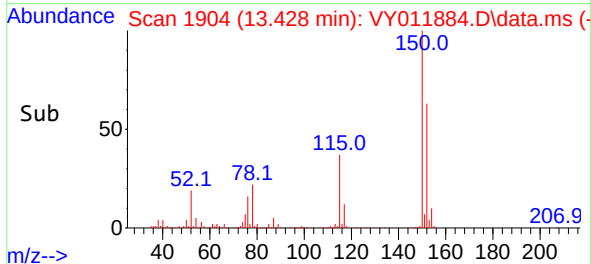
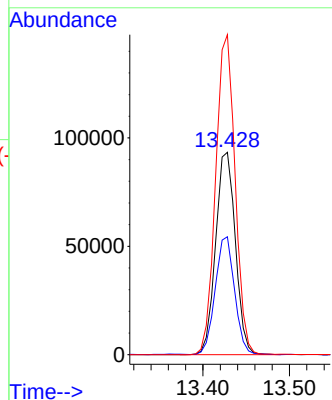


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

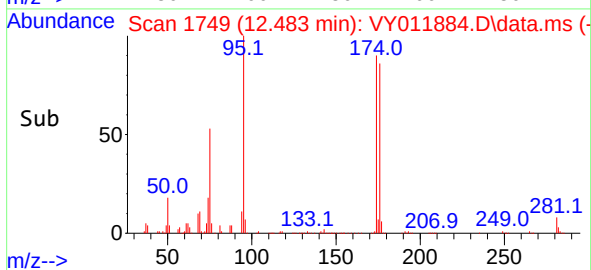
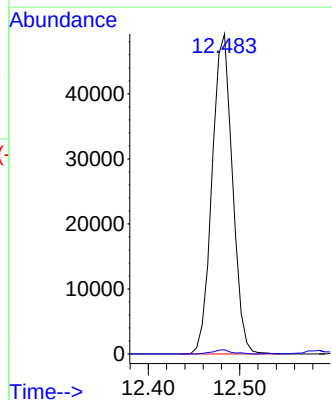
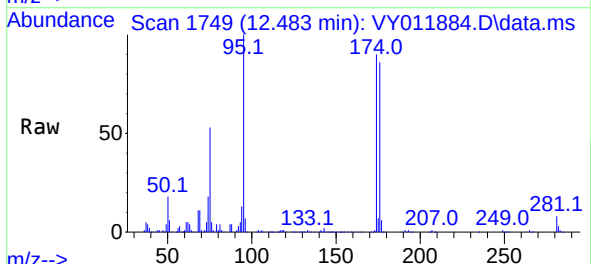


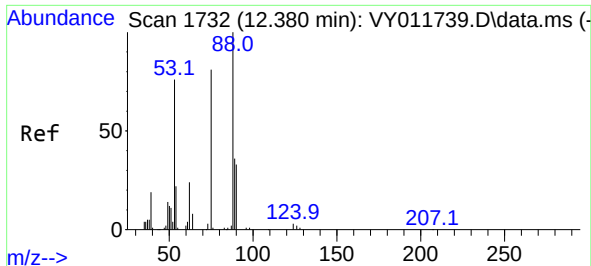
Tgt Ion:152 Resp: 147955
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 155.8 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 50.788 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 75 Resp: 76025
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

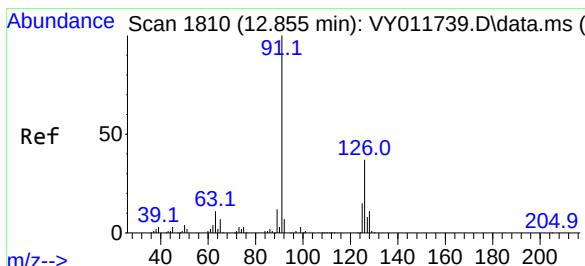
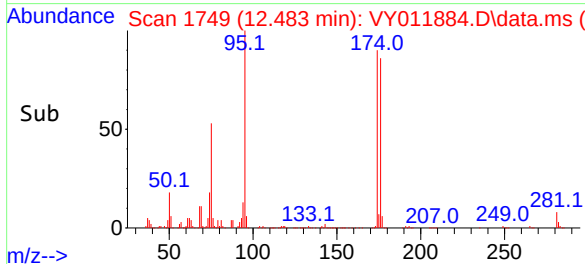
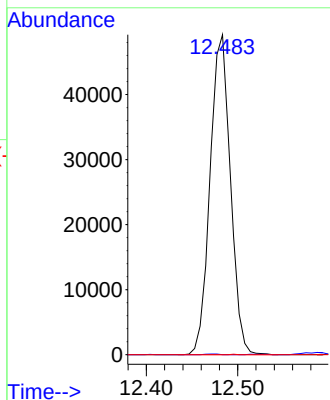
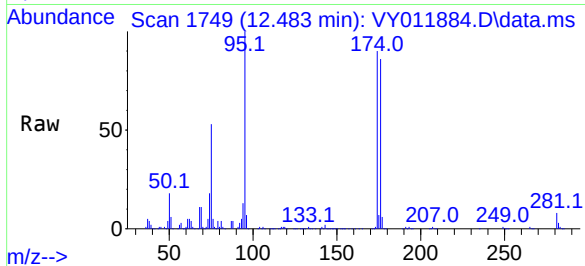




#81
trans-1,4-Dichloro-2-butene
Concen: 115.248 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

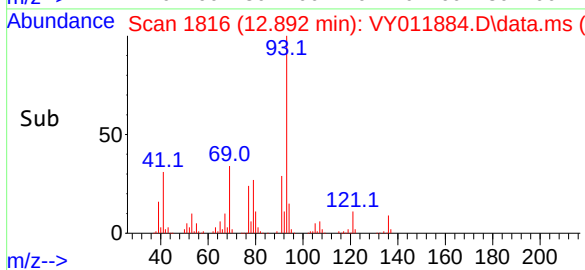
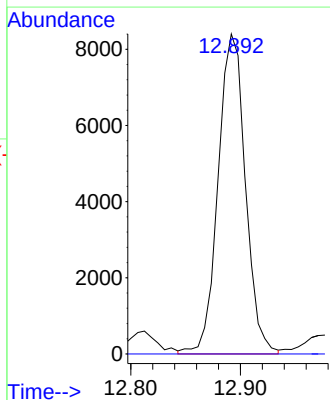
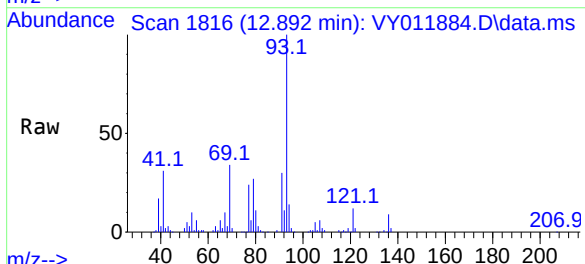
Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

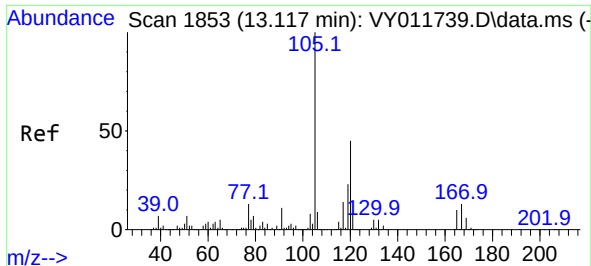
Tgt Ion: 75 Resp: 76025
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 2.136 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.037 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion: 91 Resp: 14528
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

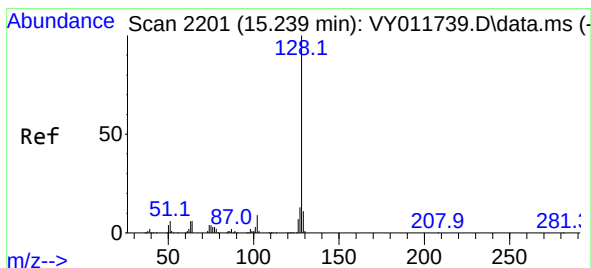
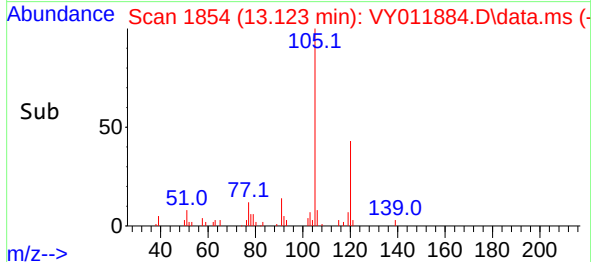
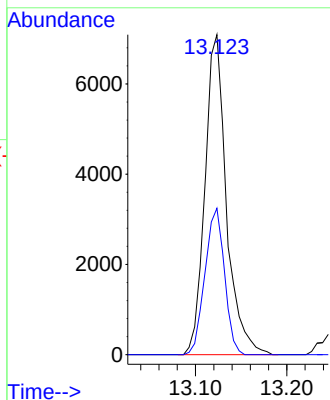
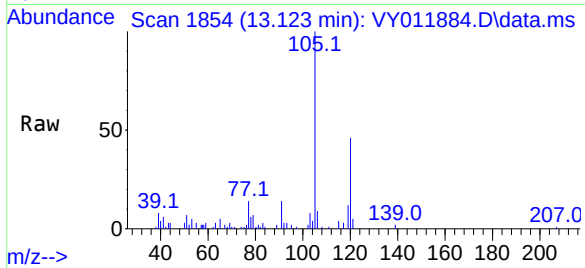




#84
1,2,4-Trimethylbenzene
Concen: 1.448 ug/l
RT: 13.123 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Instrument :
MSVOA_Y
ClientSampleId :
RB-34-(1.5-2)RE

Tgt Ion:105 Resp: 11555
Ion Ratio Lower Upper
105 100
120 41.5 22.9 68.7



#95
Naphthalene
Concen: 26.724 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011884.D
Acq: 15 Dec 2022 19:53

Tgt Ion:128 Resp: 122360
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.0 8.8 13.2

