

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015241.D
 Acq On : 22 Aug 2023 13:53
 Operator : SY/MD
 Sample : 04086-12
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP14B

Quant Time: Aug 22 14:28:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

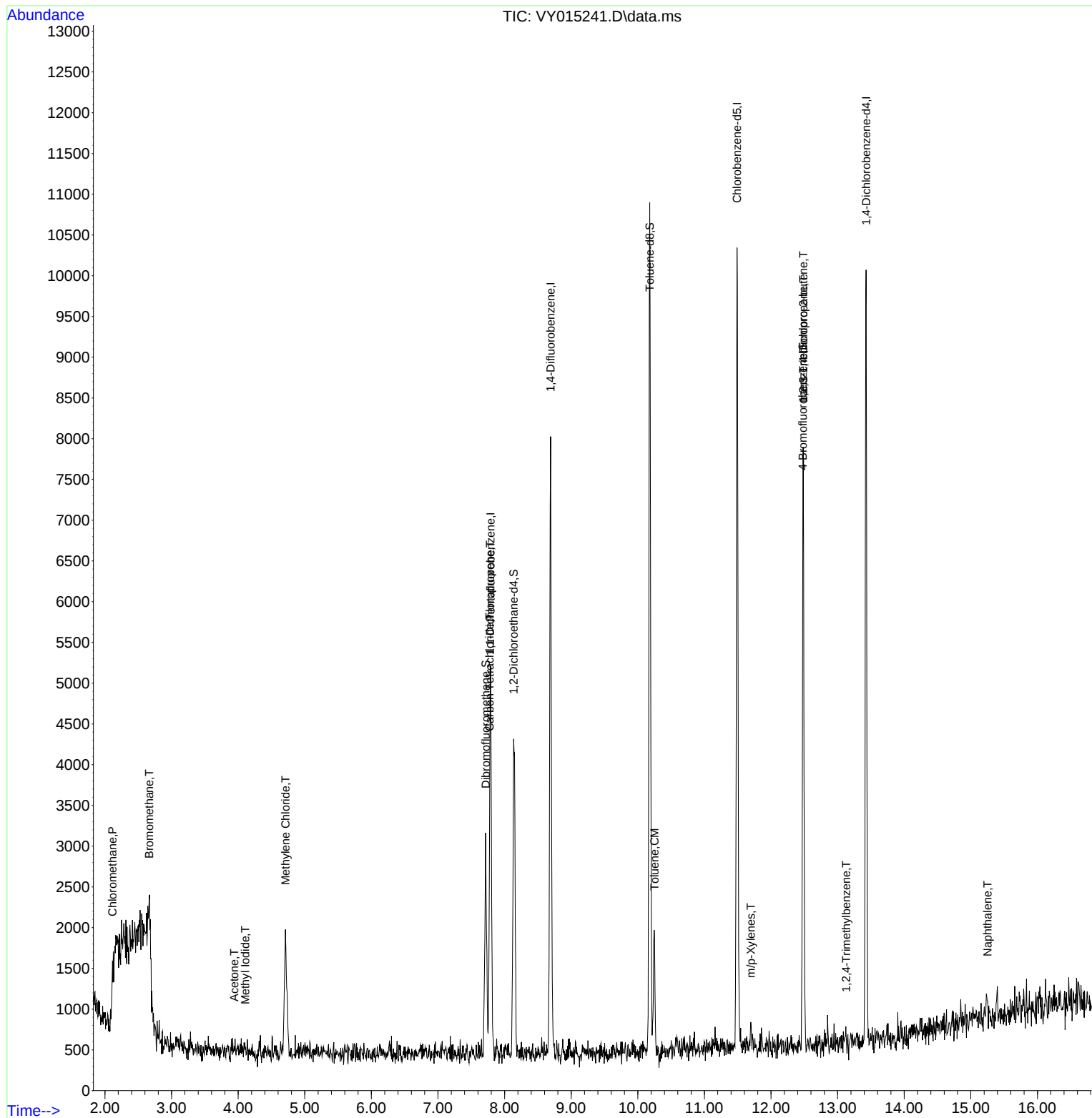
Internal Standards						
1) Pentafluorobenzene	7.789	168	3949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3522	74.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.600%
35) Dibromofluoromethane	7.716	113	1761	42.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.980%
50) Toluene-d8	10.179	98	7568	49.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.477	95	2510	45.068	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.140%
Target Compounds						Qvalue
3) Chloromethane	2.113	50	138	2.201	ug/l #	43
5) Bromomethane	2.662	94	320	12.562	ug/l	84
10) Methyl Iodide	4.107	142	169	5.230	ug/l #	38
16) Acetone	3.942	43	45	2.906	ug/l #	46
20) Methylene Chloride	4.710	84	1129	28.553	ug/l #	79
31) Cyclohexane	7.795	56	28	Below Cal	#	12
36) 1,1-Dichloropropene	7.783	75	317	6.995	ug/l #	41
38) Carbon Tetrachloride	7.777	117	431	8.036	ug/l #	12
52) Toluene	10.252	92	745	8.250	ug/l	88
68) m/p-Xylenes	11.697	106	88	1.231	ug/l #	2
76) 1,2,3-Trichloropropane	12.483	75	1325	42.321	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1325	92.956	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.129	105	153	1.108	ug/l #	32
95) Naphthalene	15.251	128	322	2.690	ug/l #	69

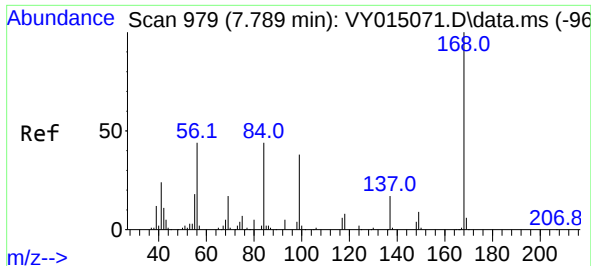
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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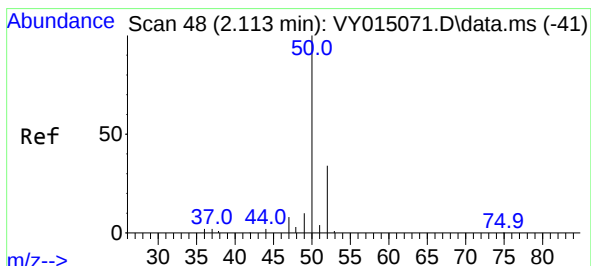
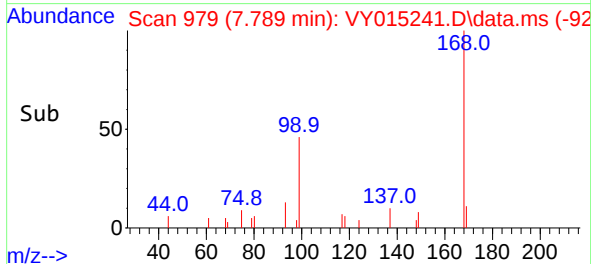
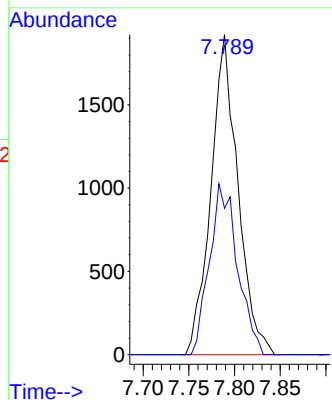
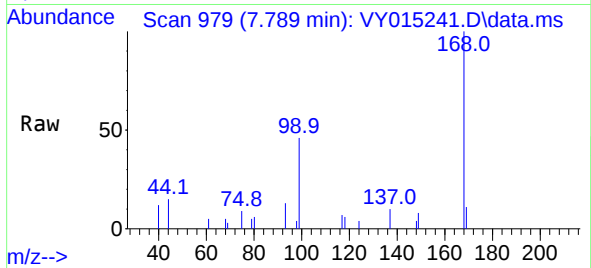




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

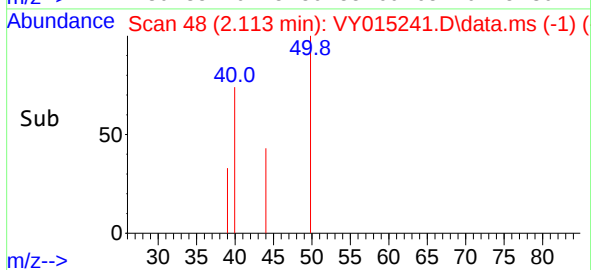
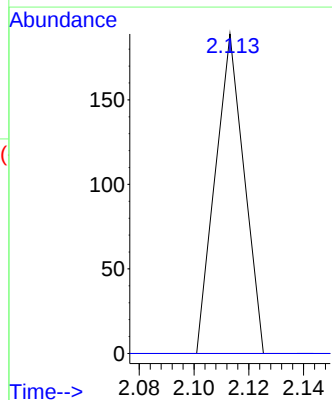
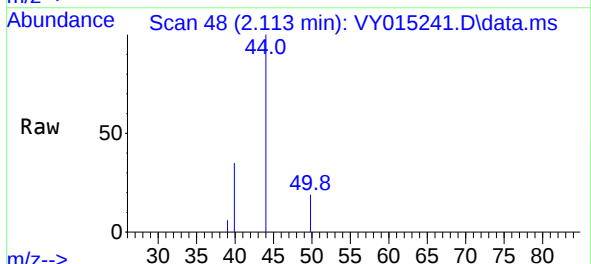
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

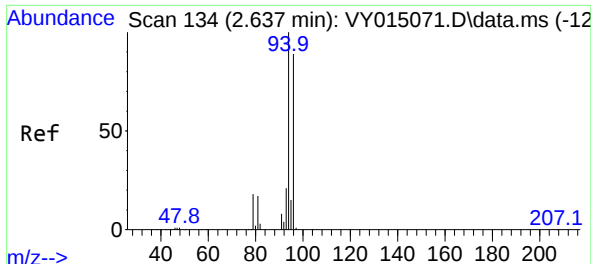
Tgt Ion:168 Resp: 3949
Ion Ratio Lower Upper
168 100
99 45.7 43.4 65.0



#3
Chloromethane
Concen: 2.201 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion: 50 Resp: 138
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

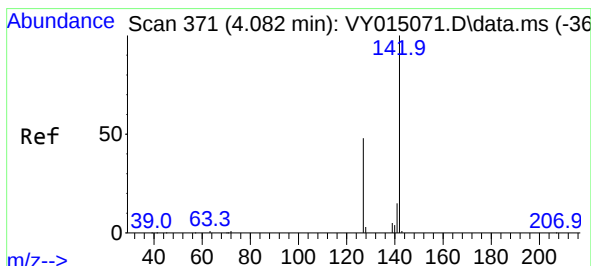
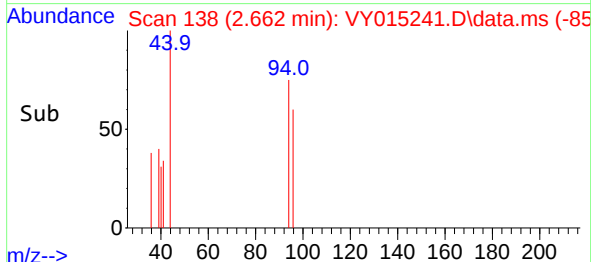
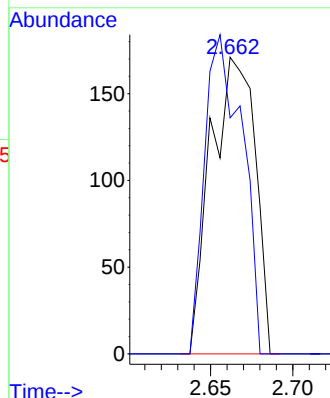
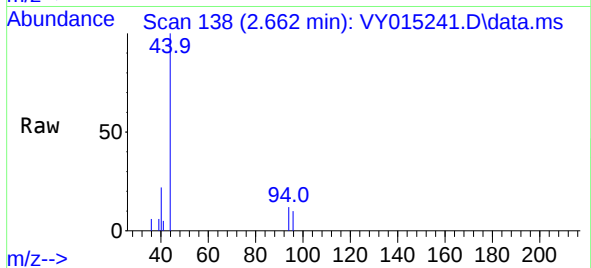




#5
Bromomethane
Concen: 12.562 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

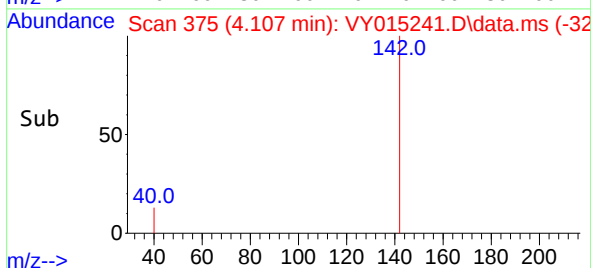
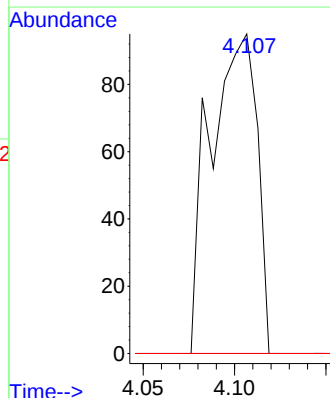
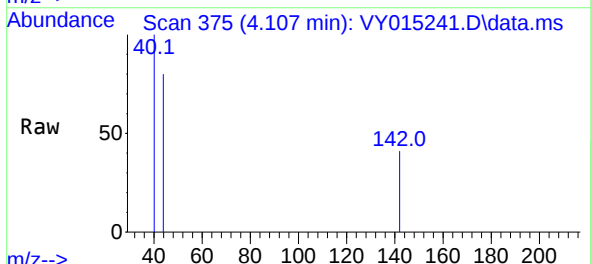
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

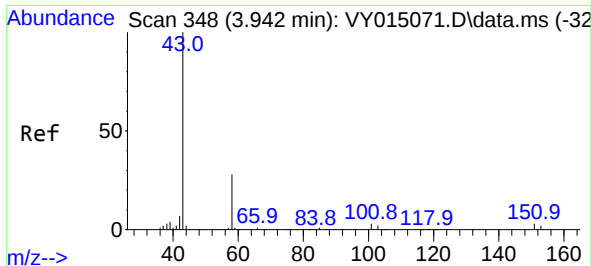
Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 79.5 75.8 113.6



#10
Methyl Iodide
Concen: 5.230 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

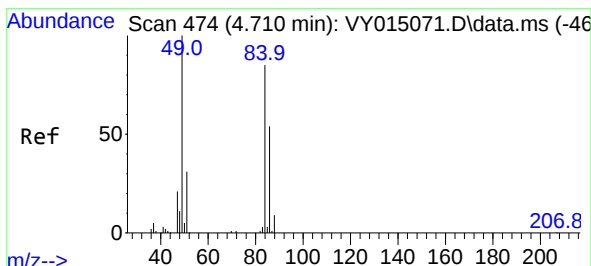
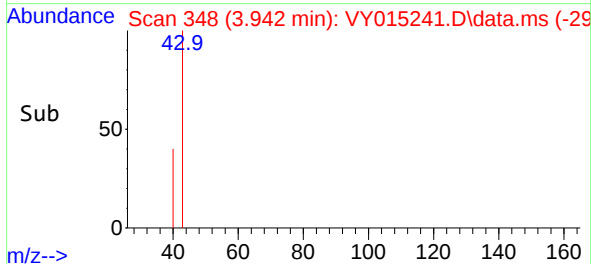
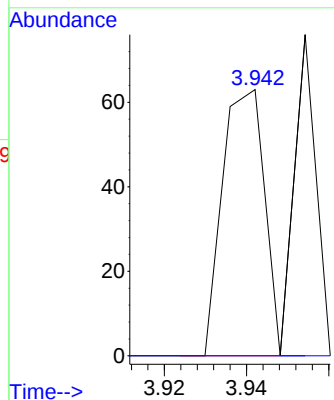
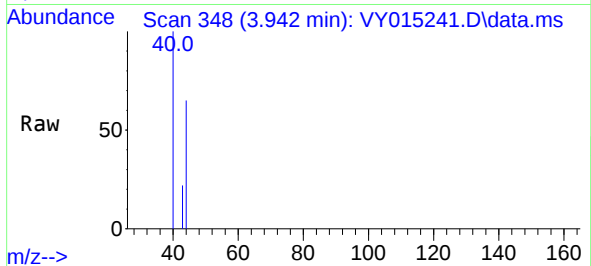




#16
Acetone
Concen: 2.906 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

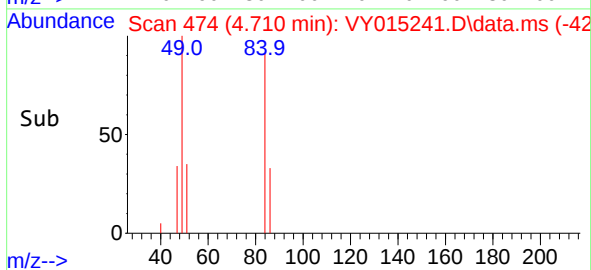
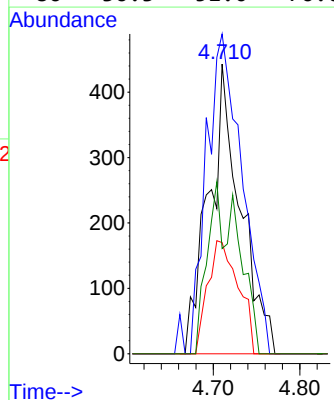
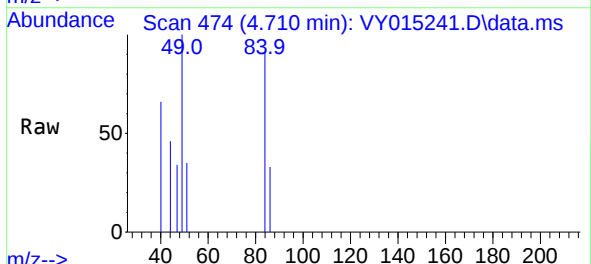
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

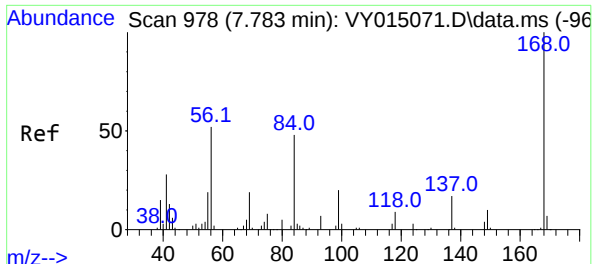
Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 28.553 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

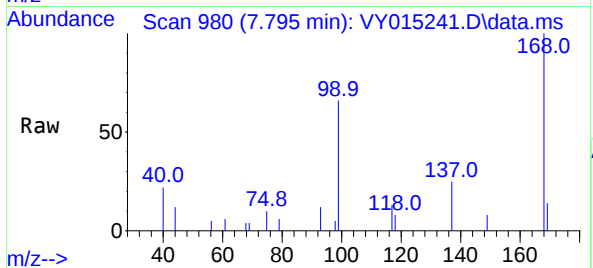
Tgt Ion: 84 Resp: 1129
Ion Ratio Lower Upper
84 100
49 110.4 106.9 160.3
51 38.4 33.2 49.8
86 36.3 51.0 76.6#



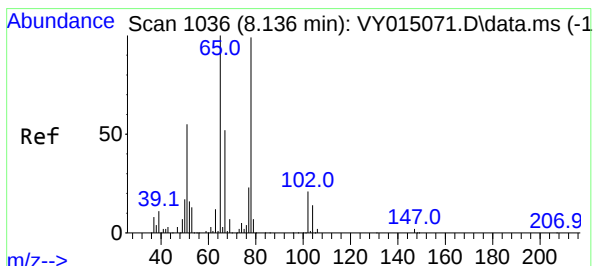
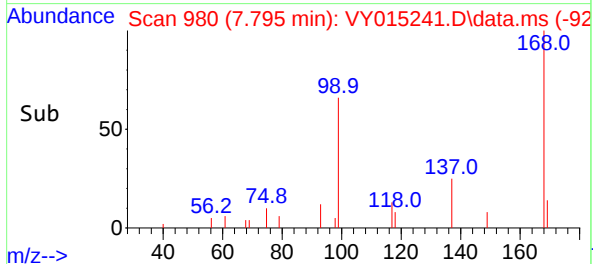
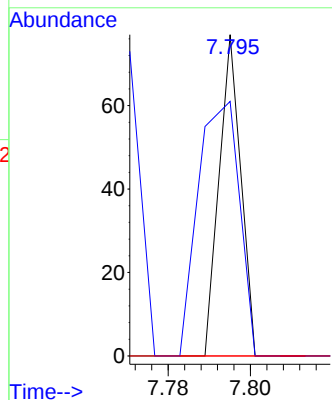


#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

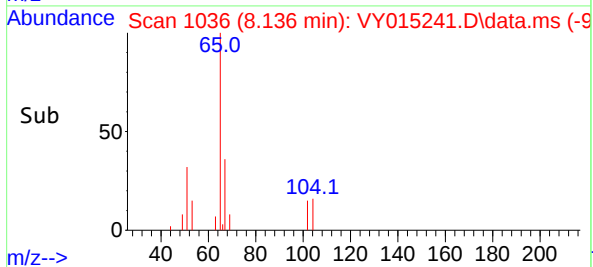
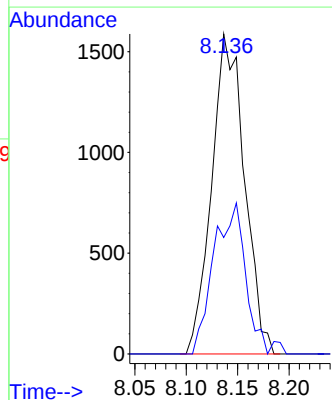
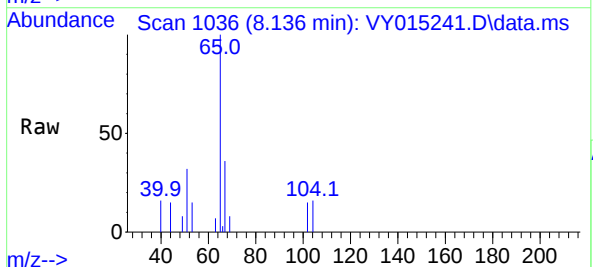


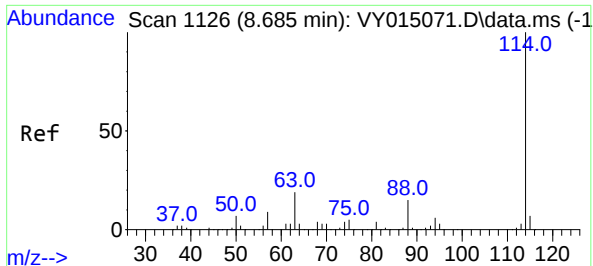
Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
69 79.2 27.8 41.6#
84 0.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 74.297 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion: 65 Resp: 3522
Ion Ratio Lower Upper
65 100
67 46.7 0.0 101.8



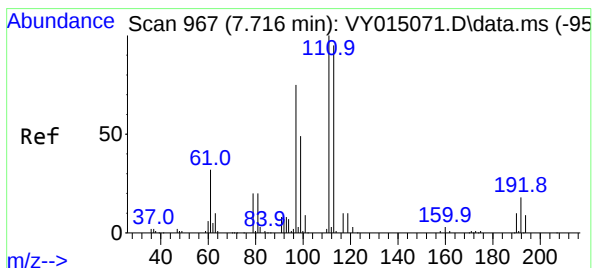
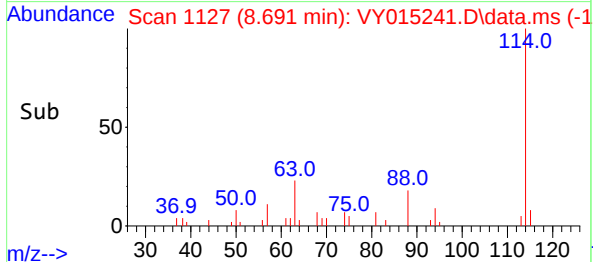
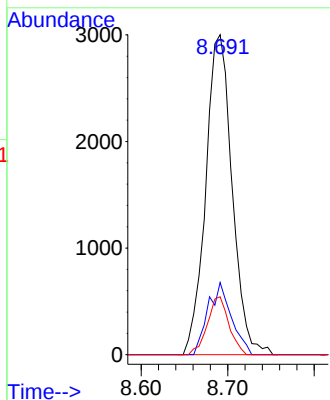
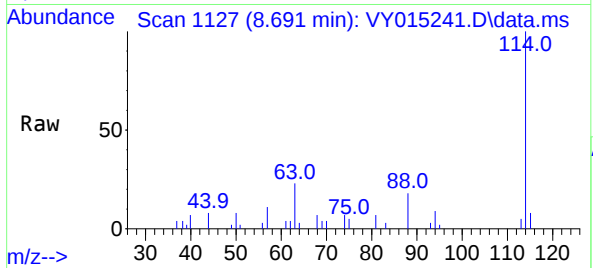


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

Tgt Ion:114 Resp: 6367

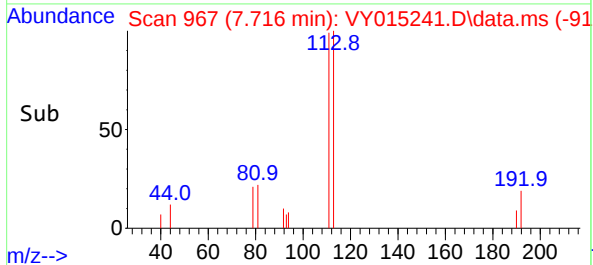
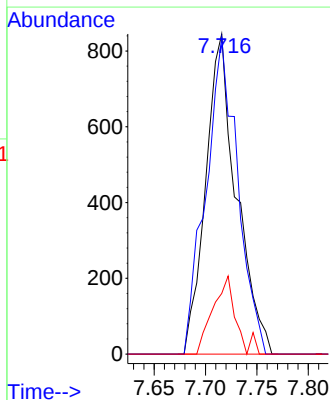
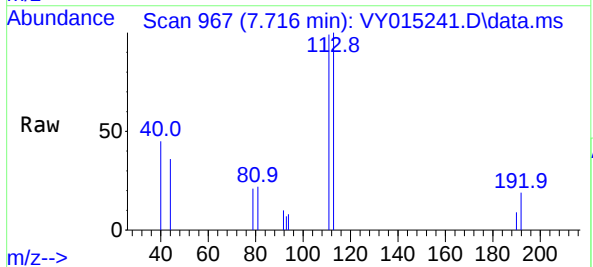
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	42.4
88	18.1	0.0	30.6

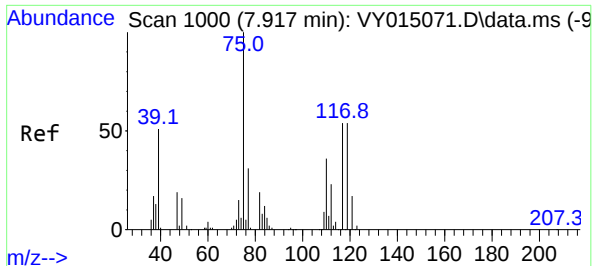


#35
Dibromofluoromethane
Concen: 42.992 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion:113 Resp: 1761

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.3	121.9
192	18.1	16.9	25.3





#36

1,1-Dichloropropene

Concen: 6.995 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY015241.D

Acq: 22 Aug 2023 13:53

Instrument :

MSVOA_Y

ClientSampleId :

B-PP14B

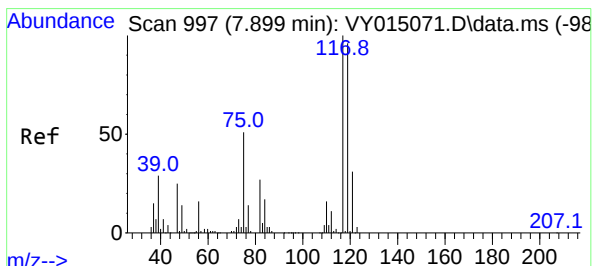
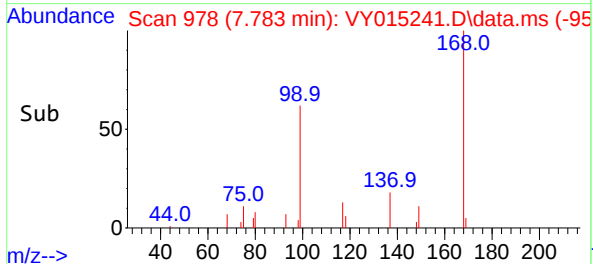
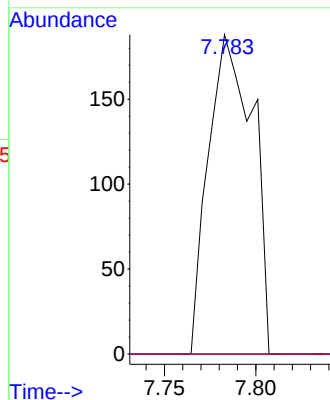
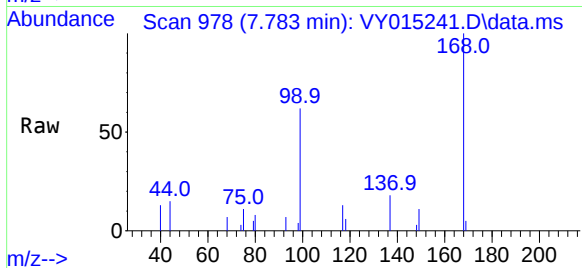
Tgt Ion: 75 Resp: 317

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 8.036 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.122 min

Lab File: VY015241.D

Acq: 22 Aug 2023 13:53

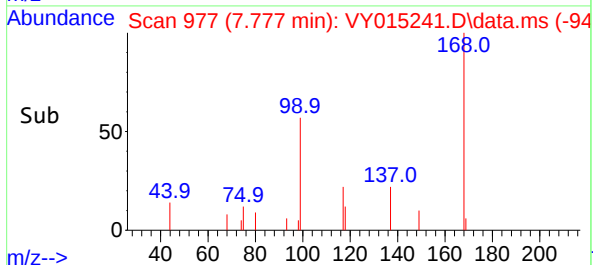
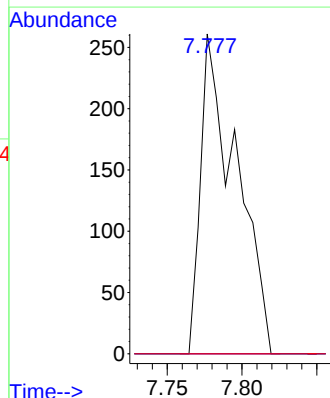
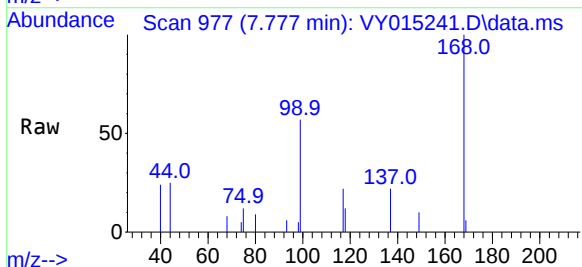
Tgt Ion: 117 Resp: 431

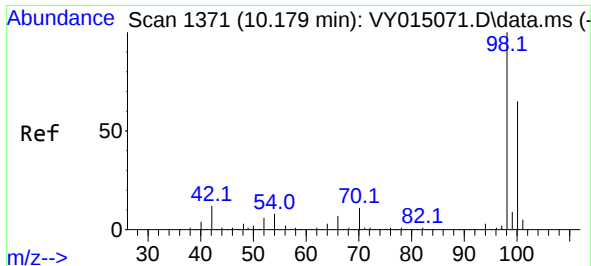
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

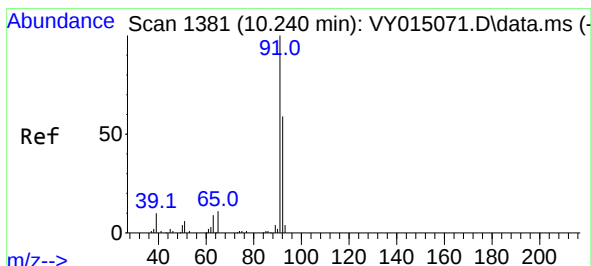
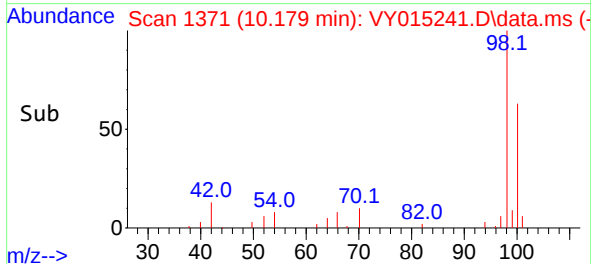
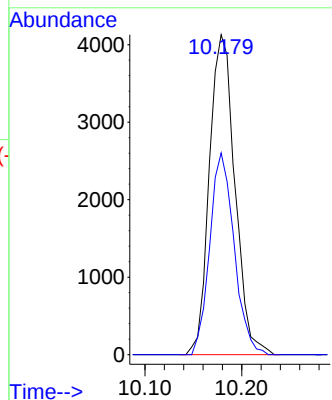
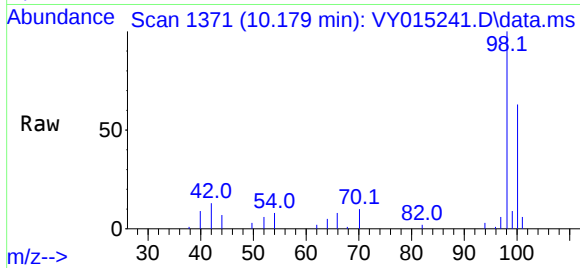




#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

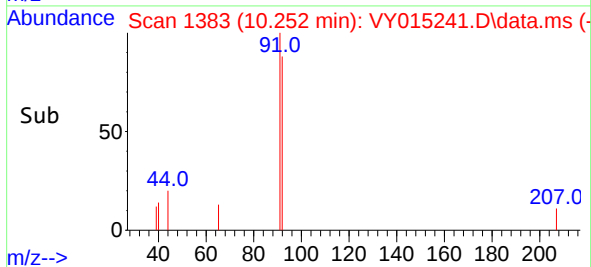
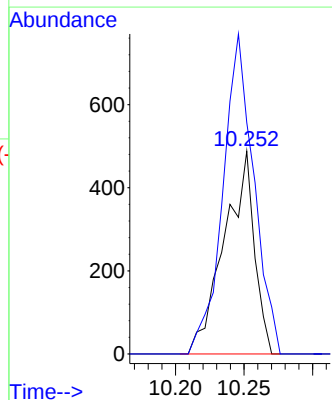
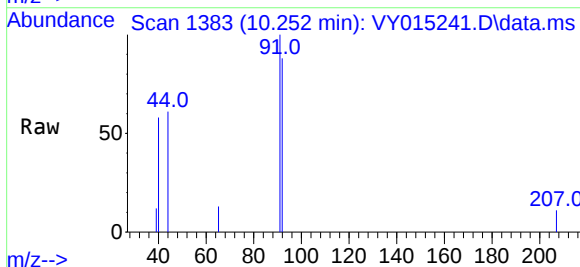
Instrument :
MSVOA_Y
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B-PP14B

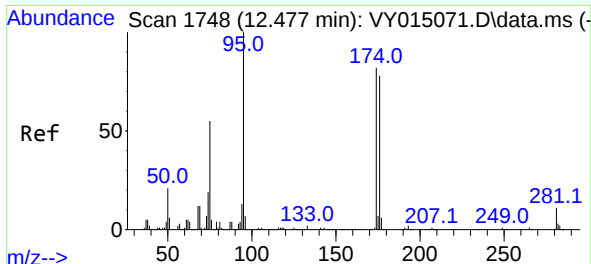
Tgt Ion: 98 Resp: 7568
Ion Ratio Lower Upper
98 100
100 60.2 50.1 75.1



#52
Toluene
Concen: 8.250 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.012 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion: 92 Resp: 745
Ion Ratio Lower Upper
92 100
91 162.1 143.8 215.6

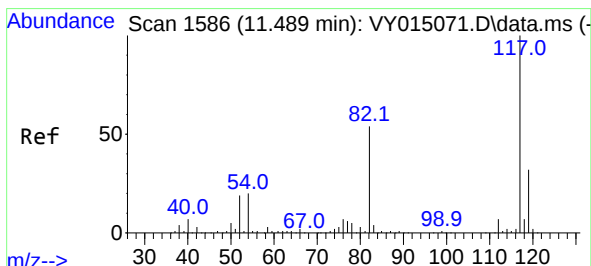
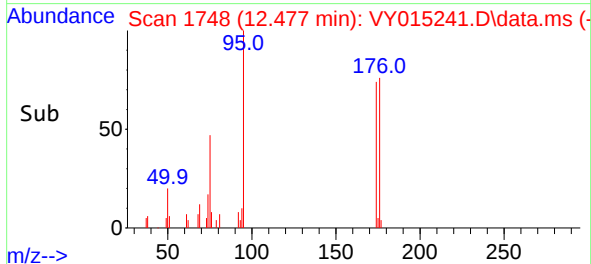
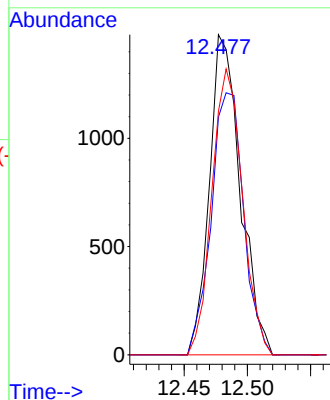
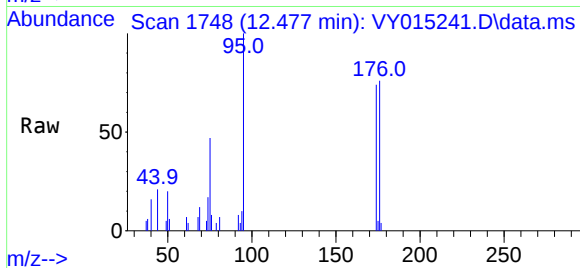




#62
4-Bromofluorobenzene
Concen: 45.068 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

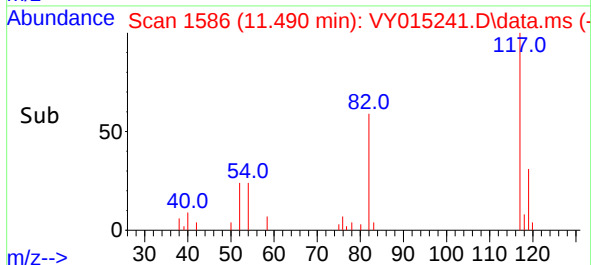
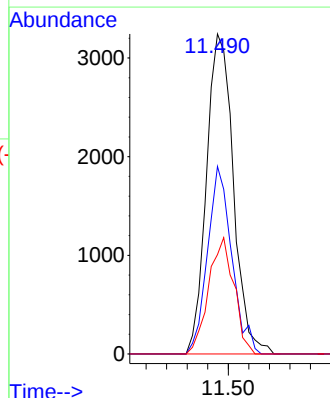
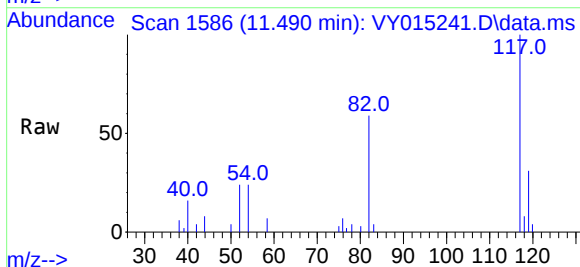
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

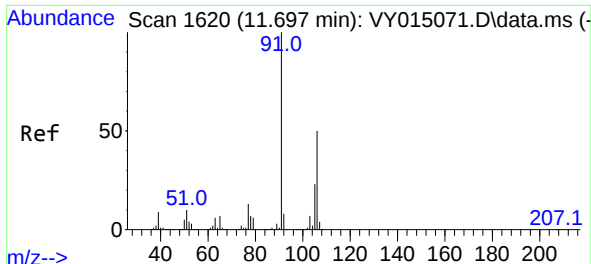
Tgt Ion:	95	Resp:	2510
Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	178.2
176	88.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion:	117	Resp:	5895
Ion	Ratio	Lower	Upper
117	100		
82	58.6	43.4	65.0
119	31.1	26.3	39.5

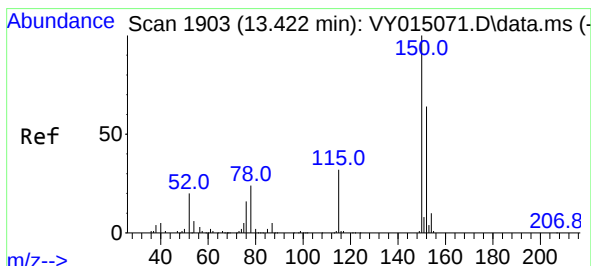
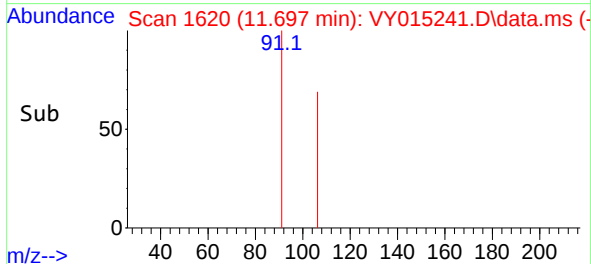
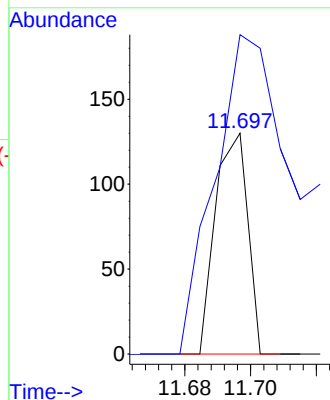
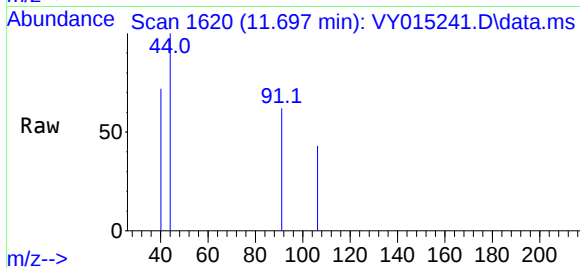




#68
m/p-Xylenes
Concen: 1.231 ug/l
RT: 11.697 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

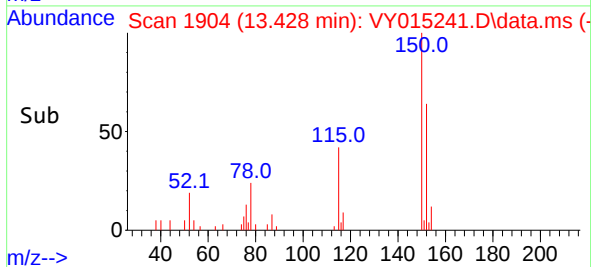
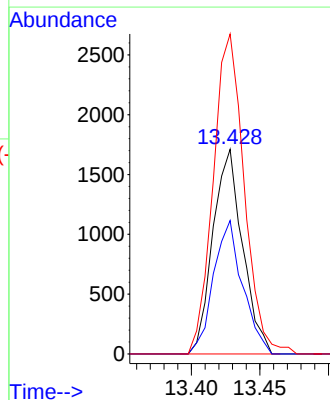
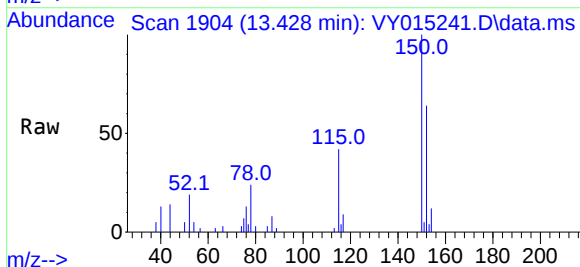
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

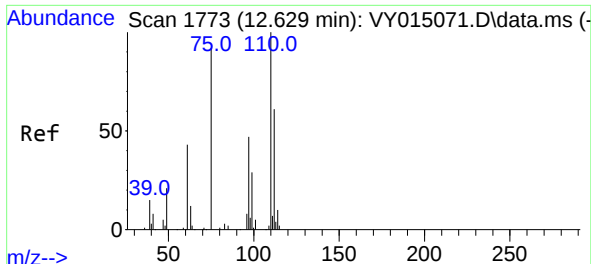
Tgt Ion:106 Resp: 88
Ion Ratio Lower Upper
106 100
91 359.1 166.1 249.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion:152 Resp: 2577
Ion Ratio Lower Upper
152 100
115 64.0 28.8 86.5
150 163.4 0.0 348.8

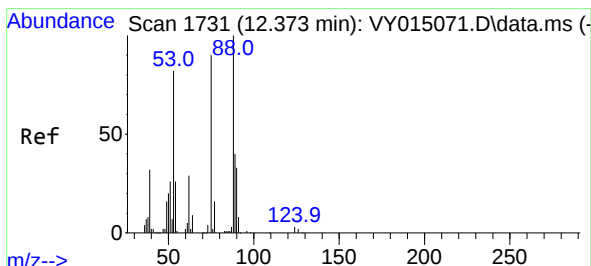
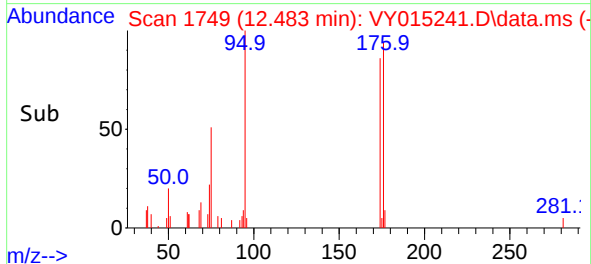
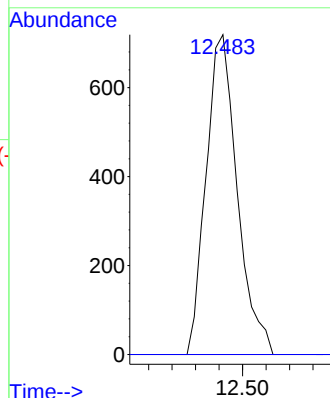
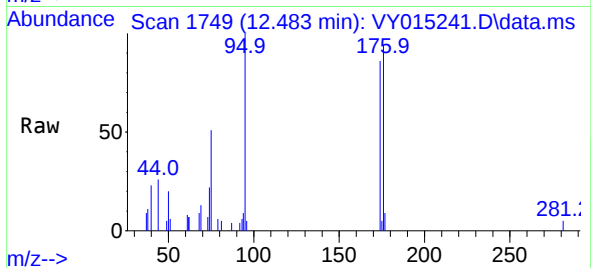




#76
1,2,3-Trichloropropane
Concen: 42.321 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

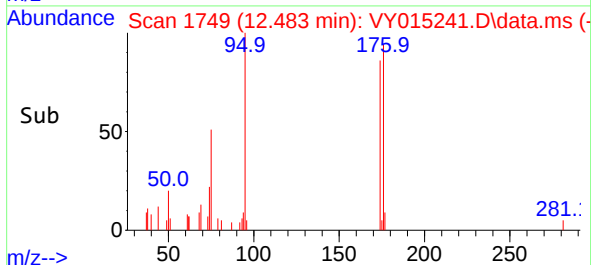
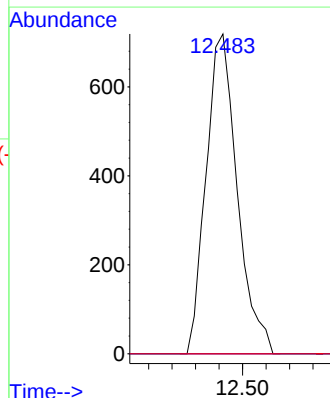
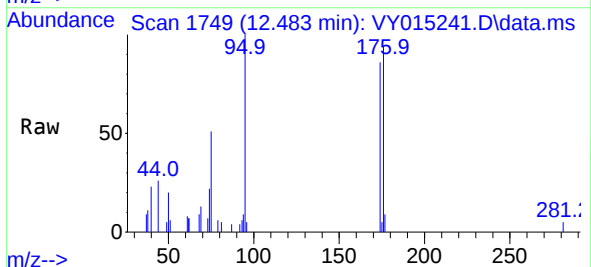
Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

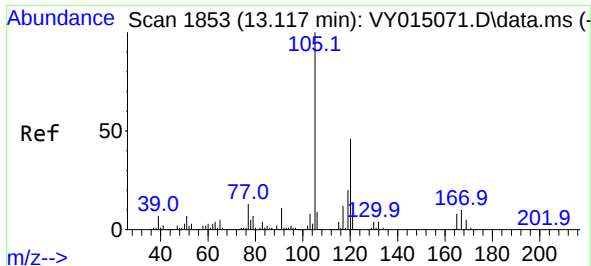
Tgt Ion: 75 Resp: 1325
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 92.956 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion: 75 Resp: 1325
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

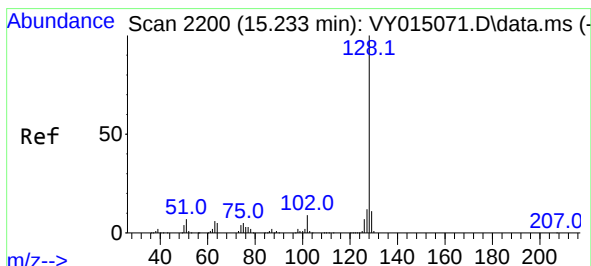
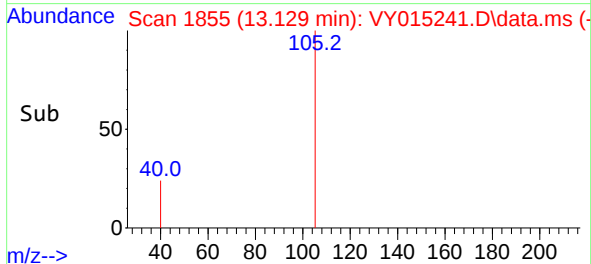
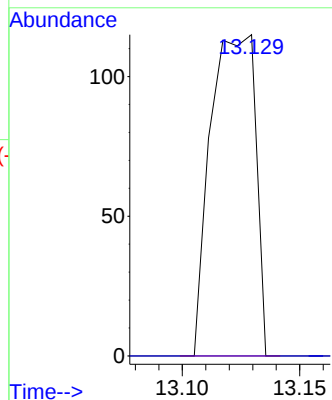
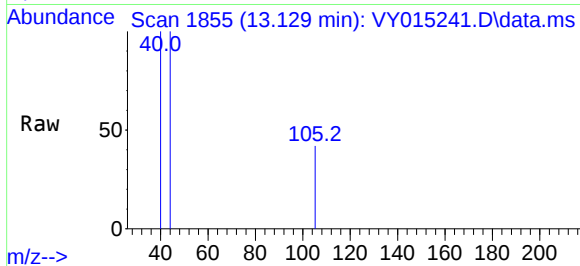




#84
1,2,4-Trimethylbenzene
Concen: 1.108 ug/l
RT: 13.129 min Scan# 1853
Delta R.T. 0.012 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Instrument :
MSVOA_Y
ClientSampleId :
B-PP14B

Tgt Ion:105 Resp: 153
Ion Ratio Lower Upper
105 100
120 0.0 22.2 66.6#



#95
Naphthalene
Concen: 2.690 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.018 min
Lab File: VY015241.D
Acq: 22 Aug 2023 13:53

Tgt Ion:128 Resp: 322
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

