

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012423.D
 Acq On : 31 Jan 2023 16:22
 Operator : KP/MD
 Sample : 01358-13RE
 Misc : 12.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-5-012723RE

Quant Time: Feb 01 01:25:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

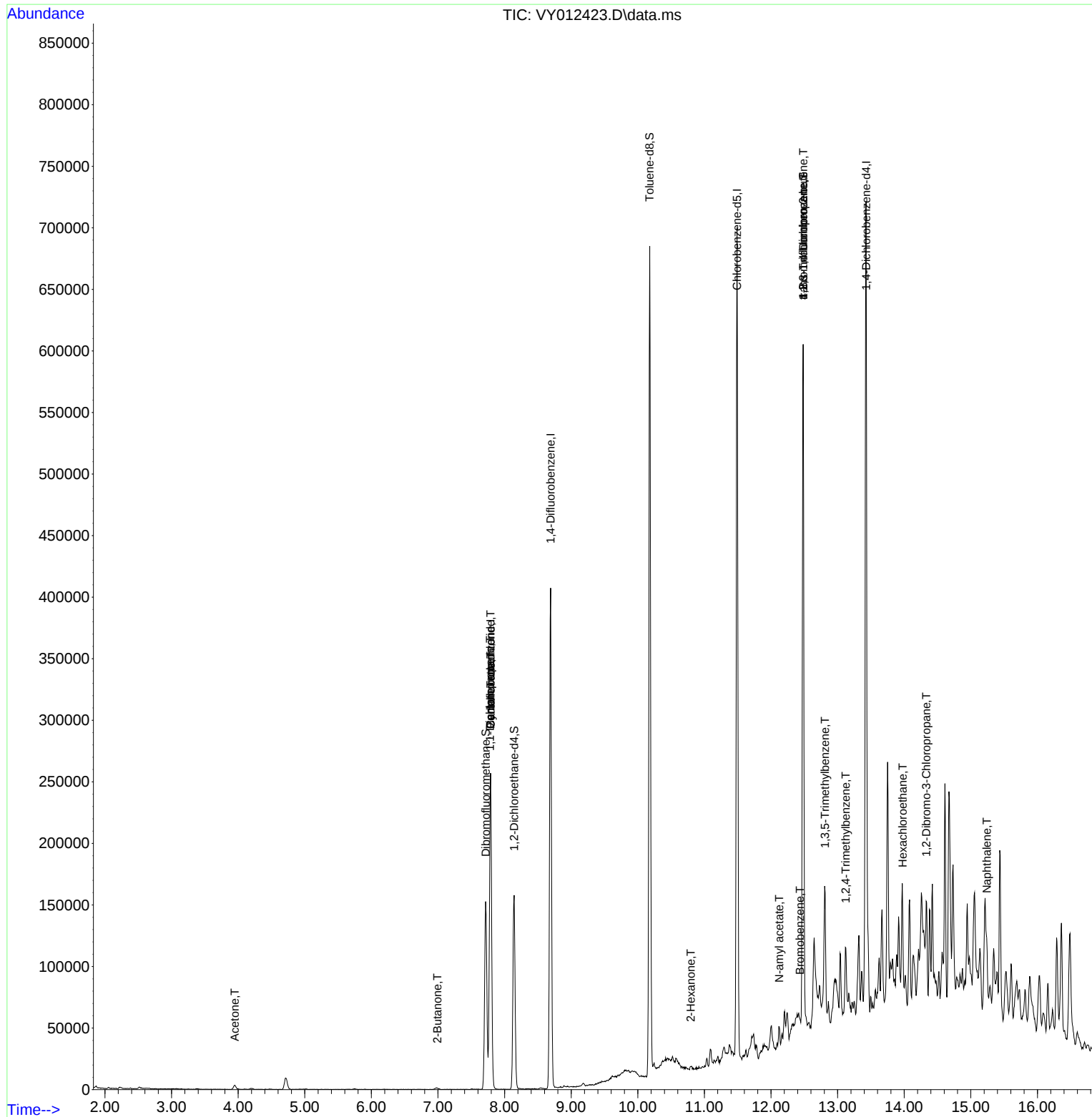
Internal Standards						
1) Pentafluorobenzene	7.789	168	206652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	379234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	129083	77.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.040%	
35) Dibromofluoromethane	7.716	113	105587	56.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.160%	
50) Toluene-d8	10.179	98	448593	70.551	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 141.100%#	
62) 4-Bromofluorobenzene	12.483	95	168669	63.554	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	293	Below Cal	#	74
16) Acetone	3.948	43	5865	10.192	ug/l	94
20) Methylene Chloride	4.716	84	7693	Below Cal		93
25) 2-Butanone	6.990	43	903	1.421	ug/l	92
31) Cyclohexane	7.789	56	3652	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13685	4.277	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19934	4.824	ug/l #	19
59) 2-Hexanone	10.794	43	1404	1.318	ug/l #	25
74) N-amyl acetate	12.123	43	3523	1.362	ug/l #	41
76) 1,2,3-Trichloropropane	12.483	75	87319	51.887	ug/l #	100
77) Bromobenzene	12.434	156	10090	3.177	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	21055	1.835	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	87319	106.911	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	32287	2.854	ug/l	90
90) Hexachloroethane	13.977	117	3849	1.714	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.330	75	436	1.015	ug/l #	1
95) Naphthalene	15.239	128	38182	5.357	ug/l	96

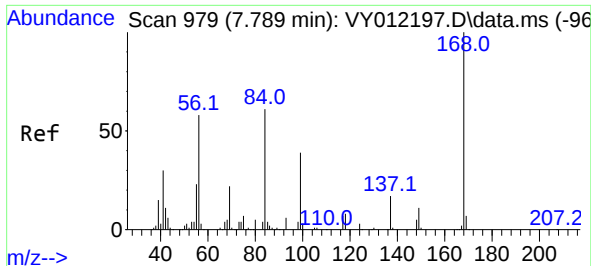
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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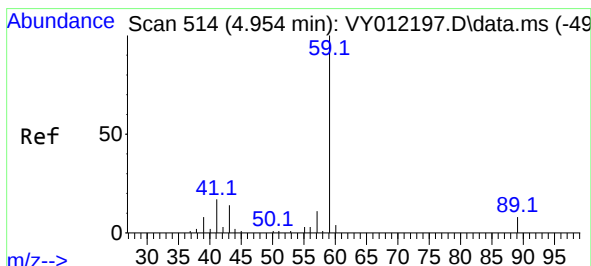
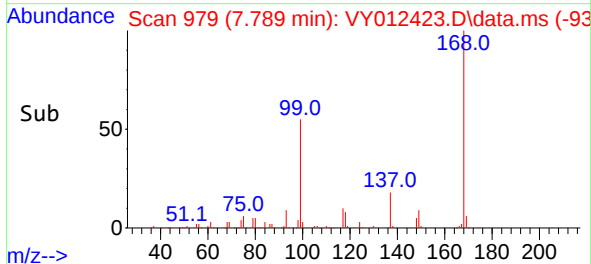
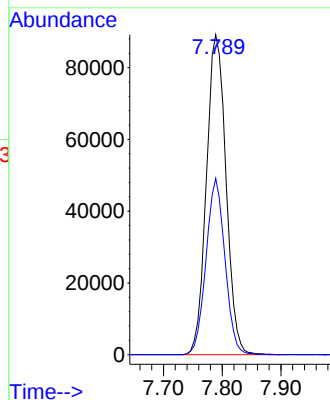
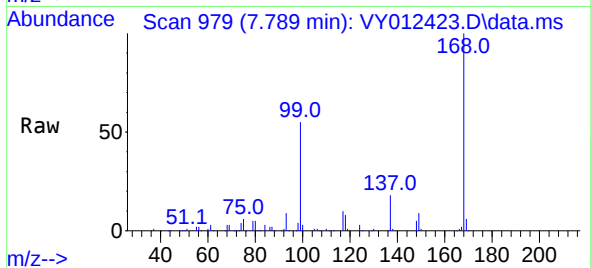




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

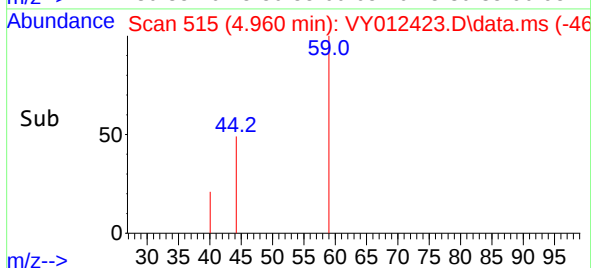
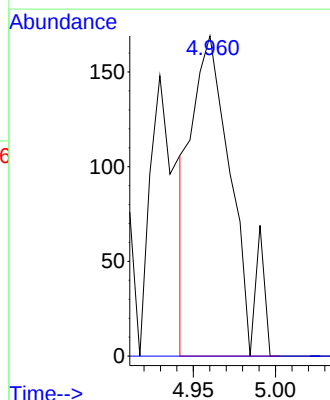
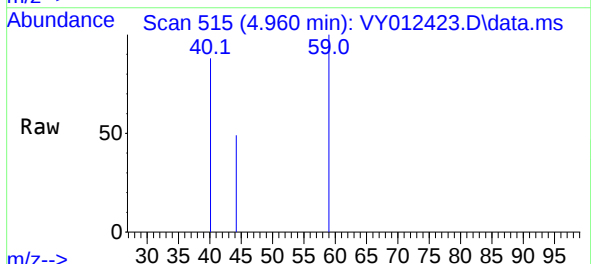
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

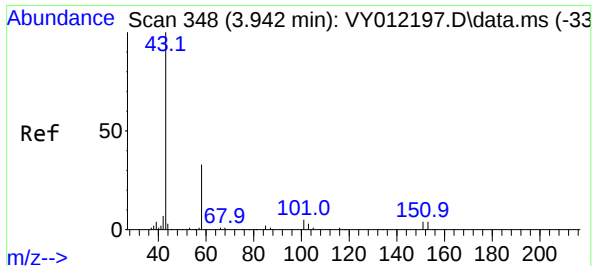
Tgt Ion:168 Resp: 206652
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

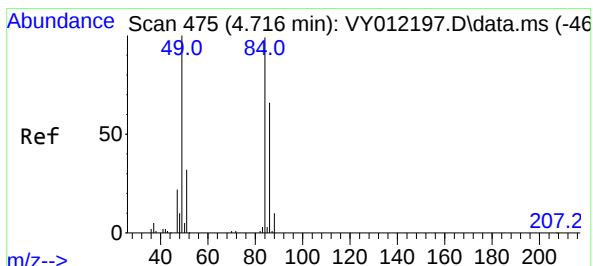
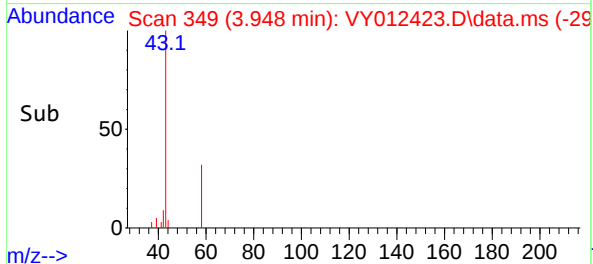
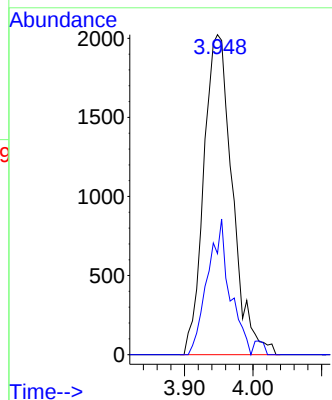
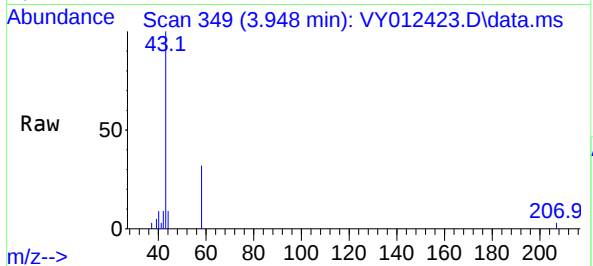




#16
Acetone
Concen: 10.192 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

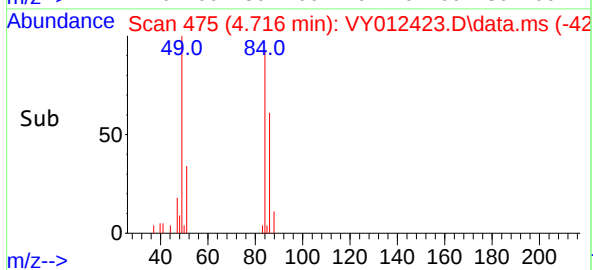
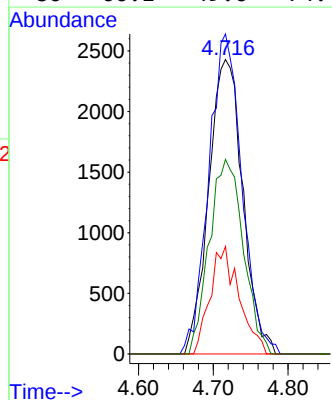
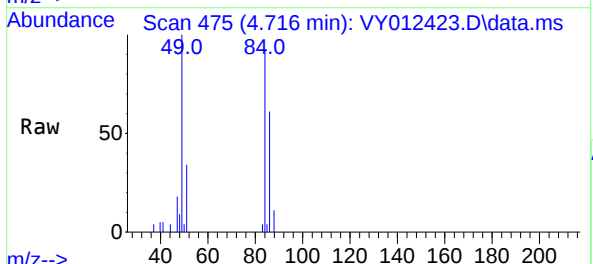
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

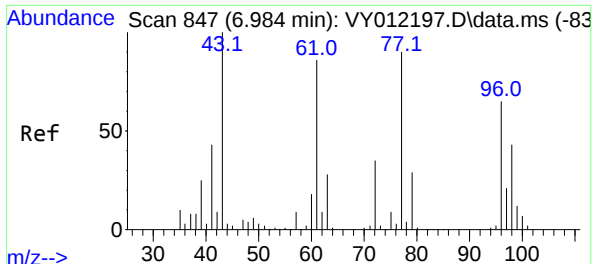
Tgt Ion: 43 Resp: 5865
Ion Ratio Lower Upper
43 100
58 31.6 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 84 Resp: 7693
Ion Ratio Lower Upper
84 100
49 108.7 95.4 143.2
51 36.5 29.9 44.9
86 66.1 49.6 74.4

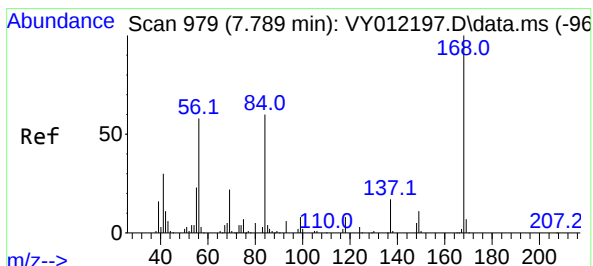
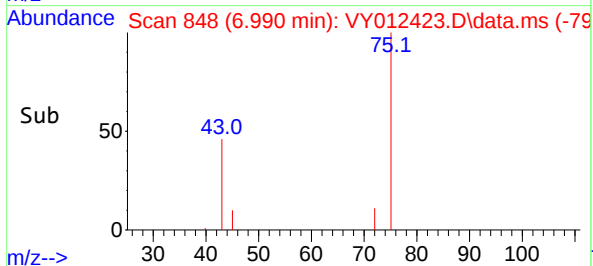
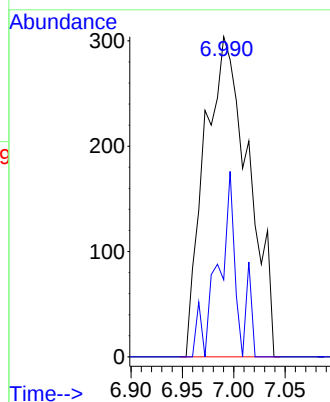
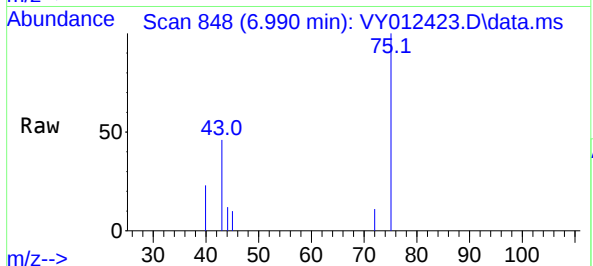




#25
2-Butanone
Concen: 1.421 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

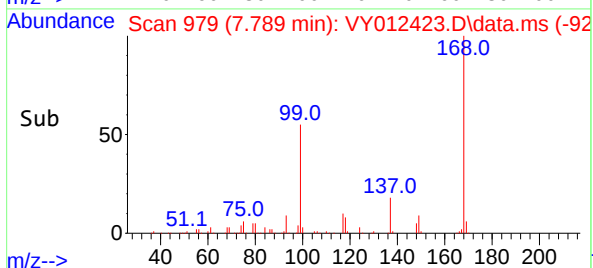
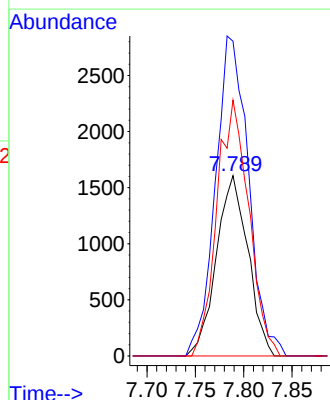
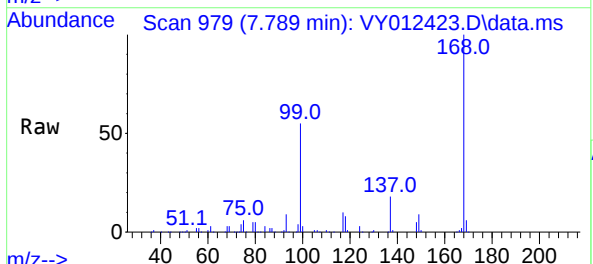
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

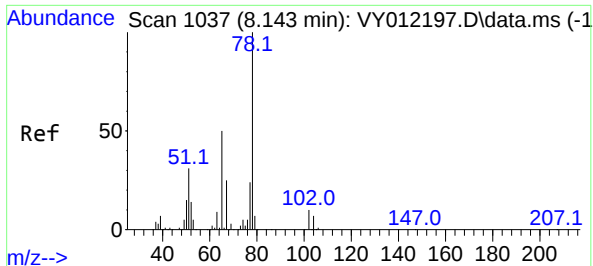
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
72 24.0 22.6 34.0



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 56 Resp: 3652
Ion Ratio Lower Upper
56 100
69 174.5 29.2 43.8#
84 141.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 77.523 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY012423.D

Acq: 31 Jan 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

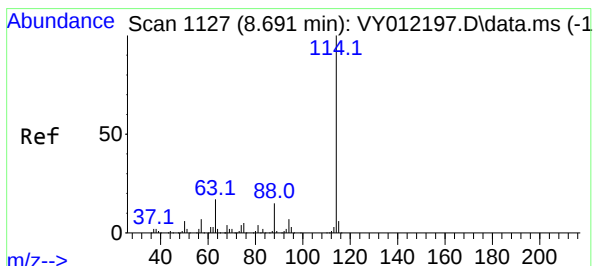
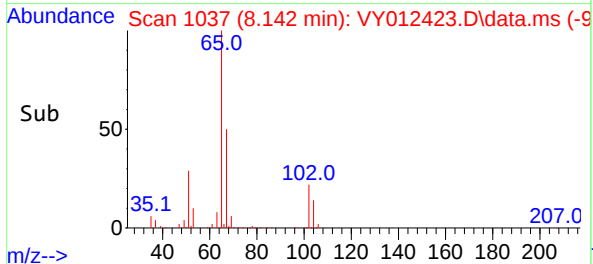
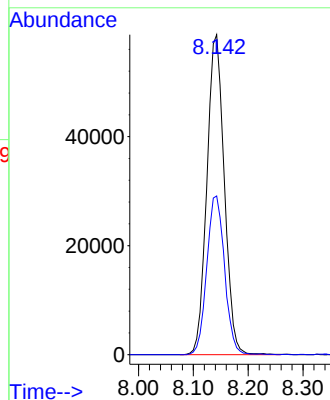
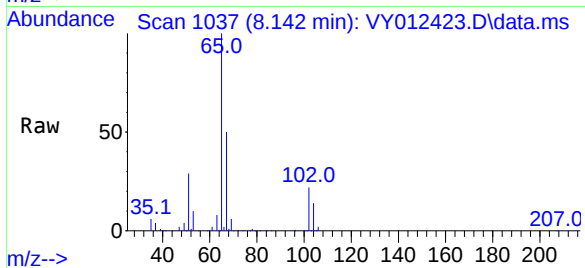
JPP-5-012723RE

Tgt Ion: 65 Resp: 129083

Ion Ratio Lower Upper

65 100

67 50.7 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: VY012423.D

Acq: 31 Jan 2023 16:22

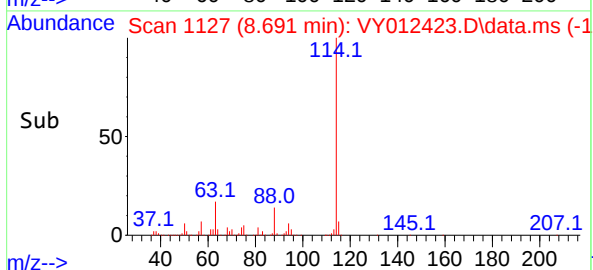
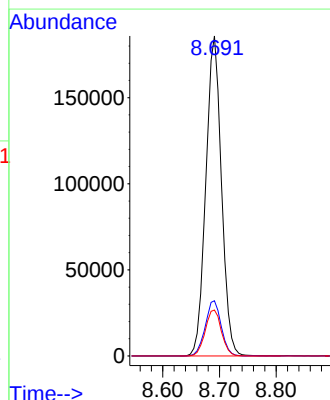
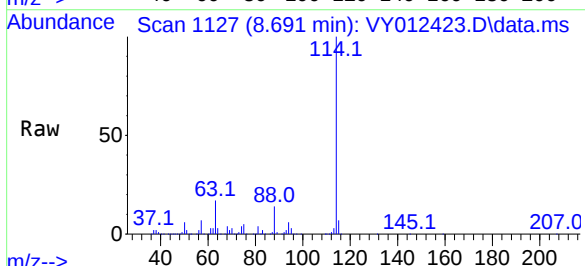
Tgt Ion:114 Resp: 355553

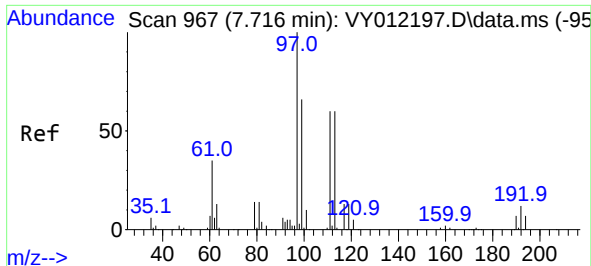
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.4 0.0 32.2

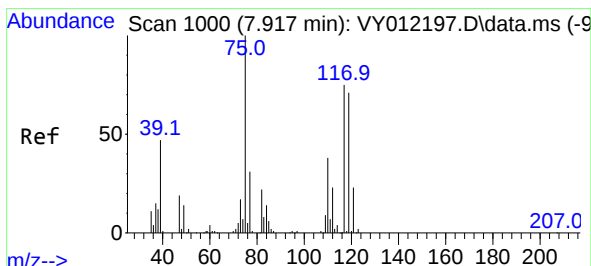
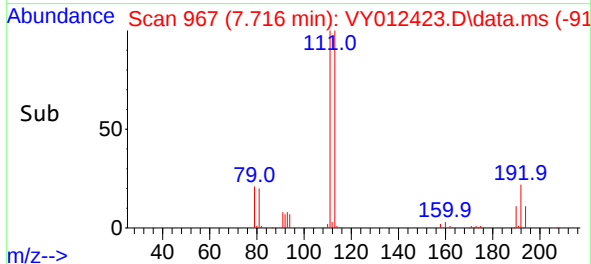
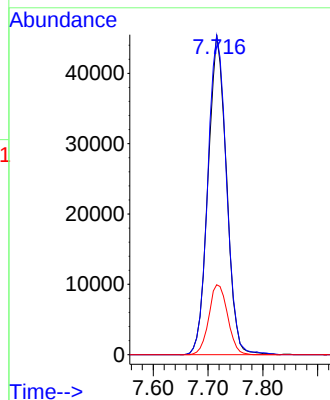
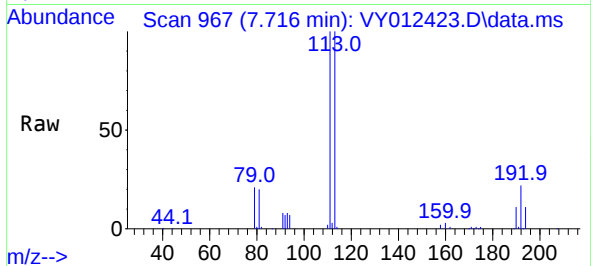




#35
Dibromofluoromethane
Concen: 56.084 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

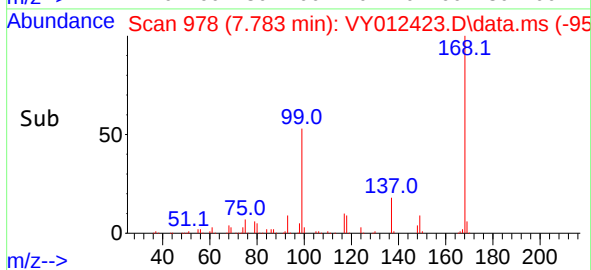
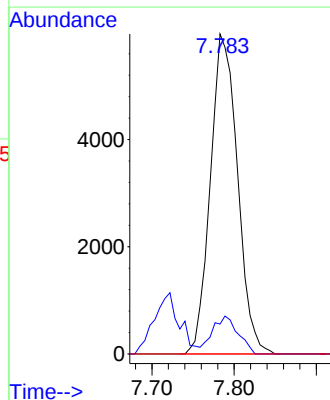
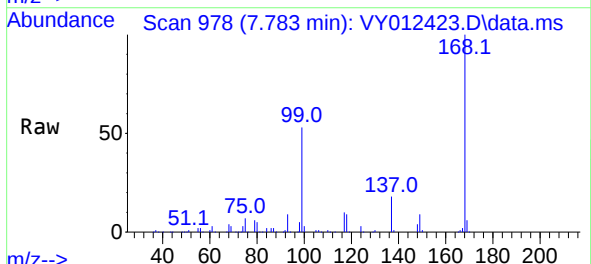
Instrument :
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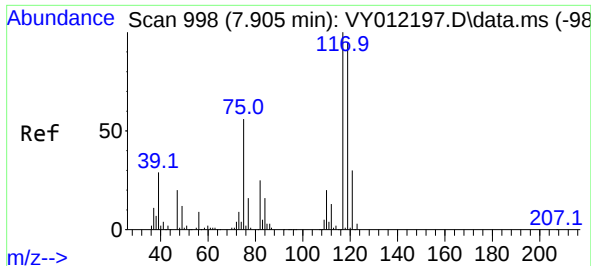
Tgt Ion:113 Resp: 105587
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 22.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 75 Resp: 13685
Ion Ratio Lower Upper
75 100
110 11.2 18.1 54.1#
77 0.0 25.1 37.7#

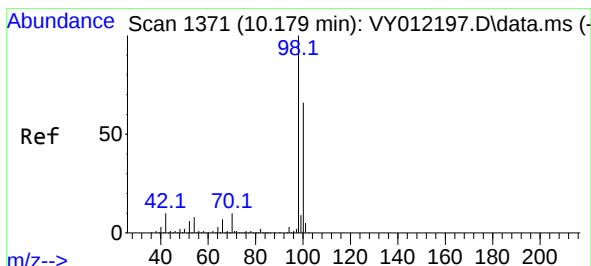
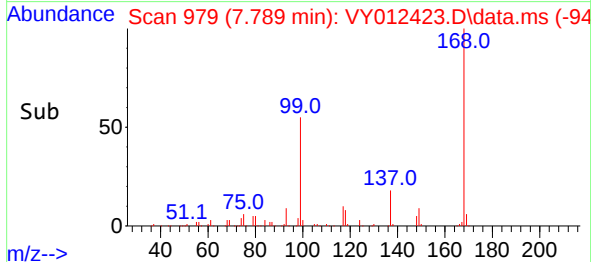
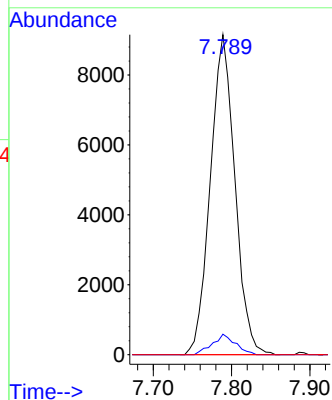
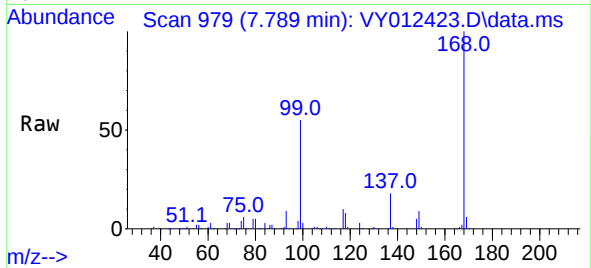




#38
Carbon Tetrachloride
Concen: 4.824 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

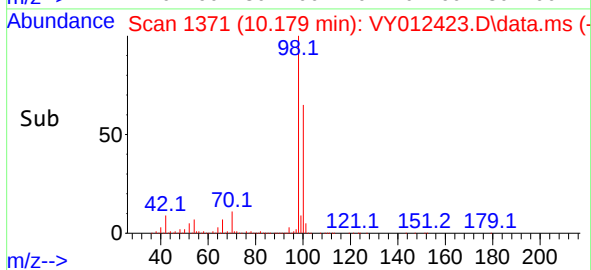
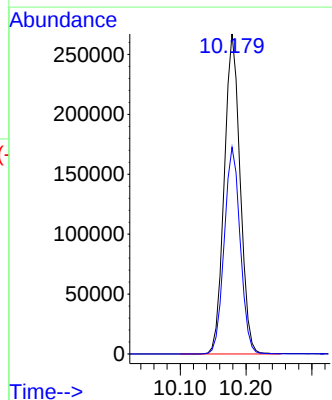
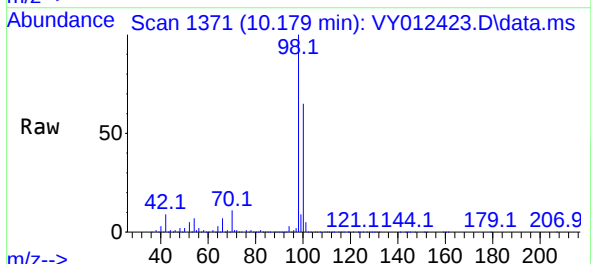
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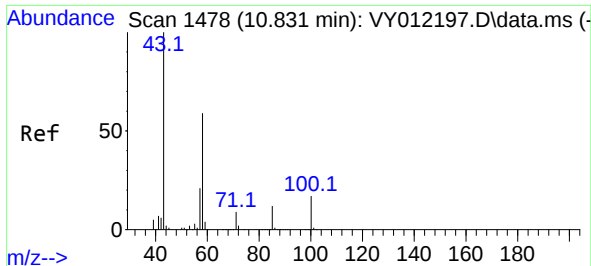
Tgt Ion:117 Resp: 19934
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 70.551 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 98 Resp: 448593
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

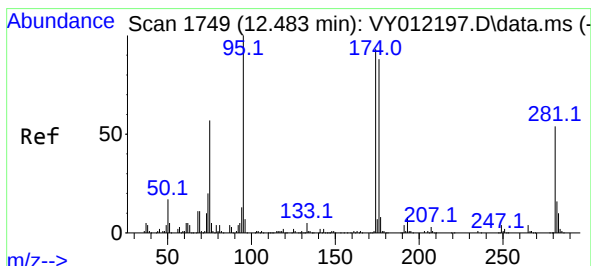
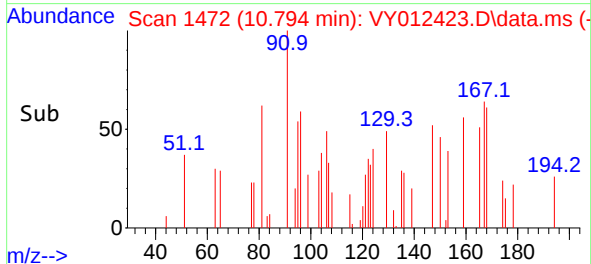
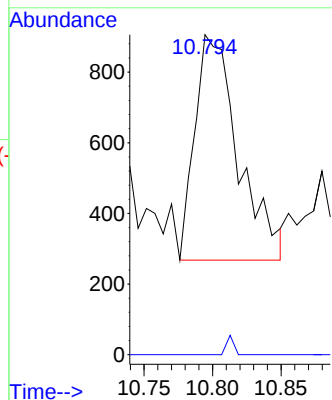
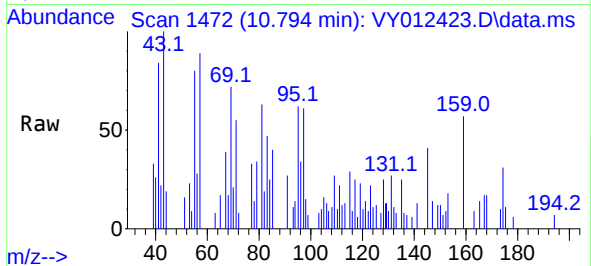




#59
2-Hexanone
Concen: 1.318 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

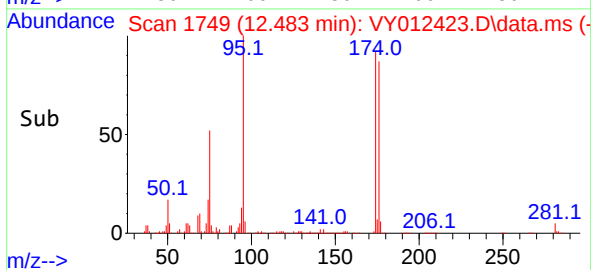
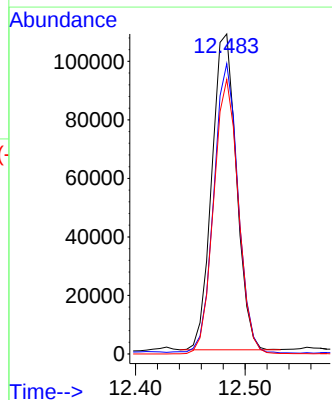
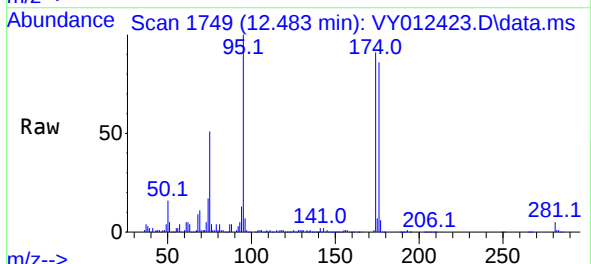
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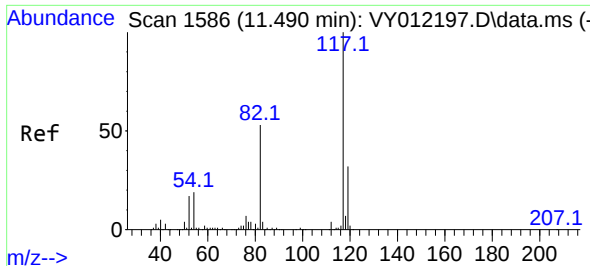
Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
58 1.4 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 63.554 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

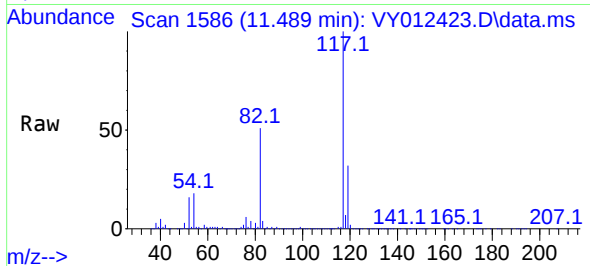
Tgt Ion: 95 Resp: 168669
Ion Ratio Lower Upper
95 100
174 90.6 0.0 172.0
176 87.4 0.0 167.6



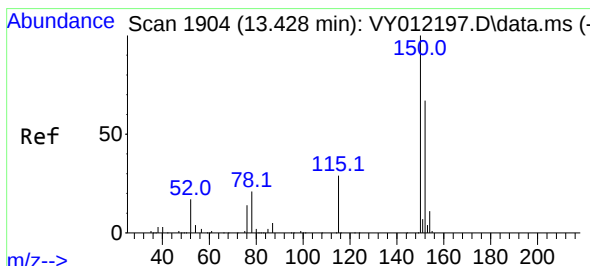
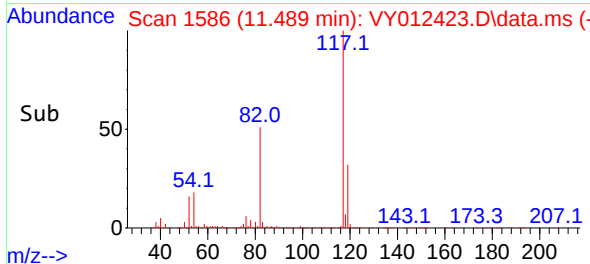
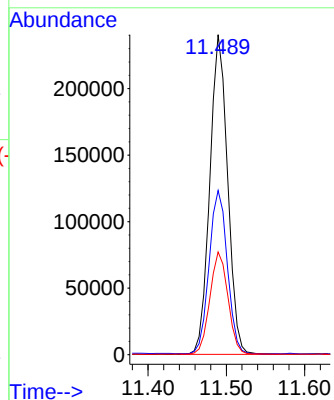


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

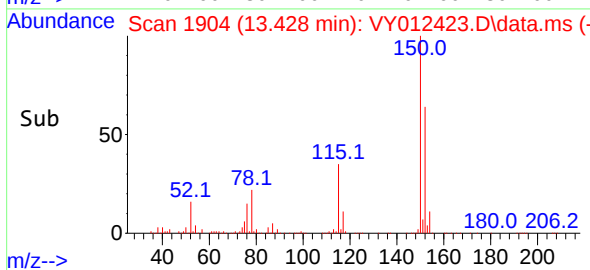
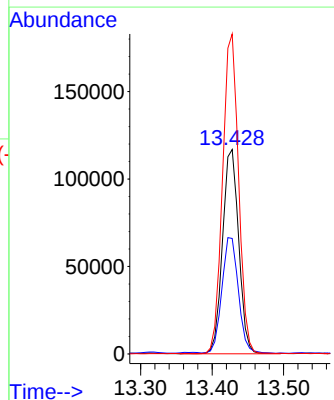
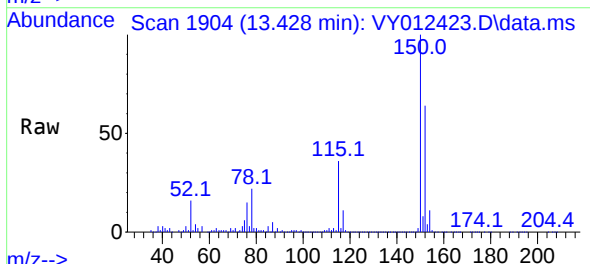


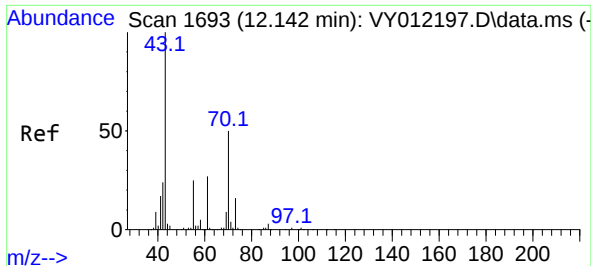
Tgt Ion:117 Resp: 379234
Ion Ratio Lower Upper
117 100
82 51.1 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

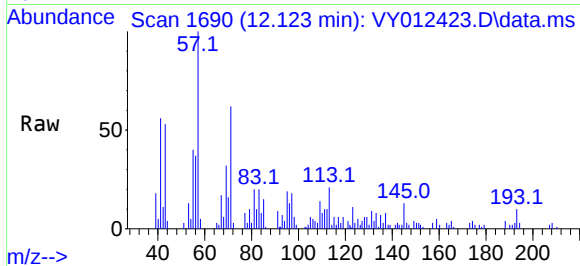
Tgt Ion:152 Resp: 183011
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 155.1 0.0 342.6





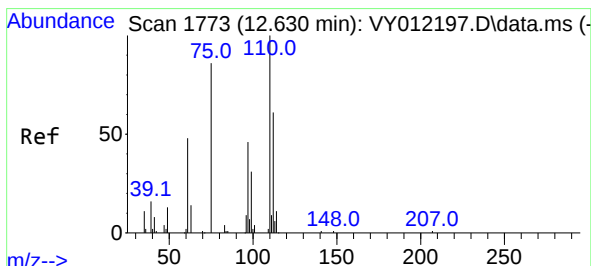
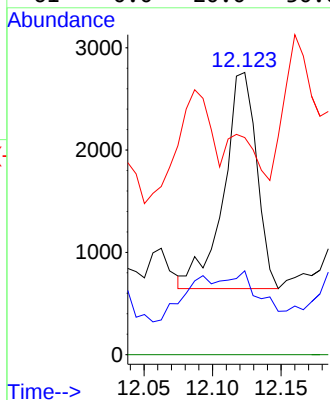
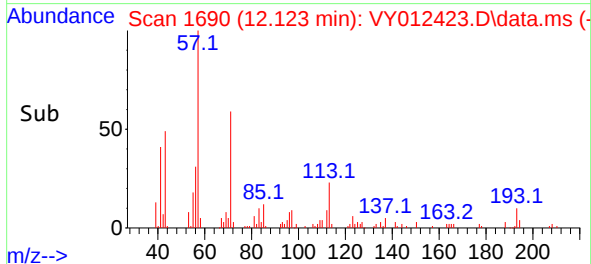
#74
N-amy1 acetate
Concen: 1.362 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.019 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE



Tgt Ion: 43 Resp: 3523

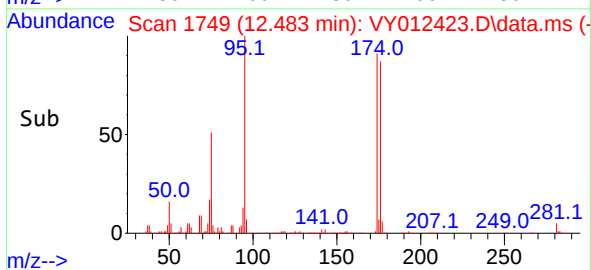
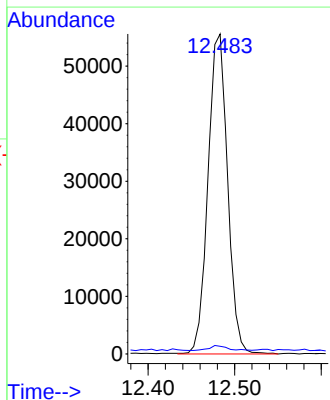
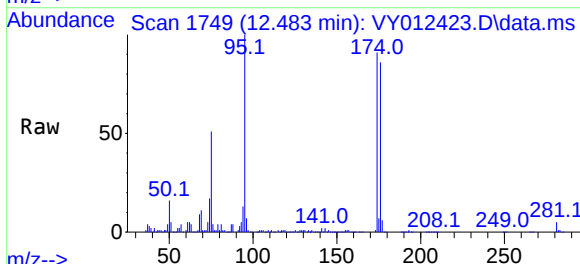
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.8	53.8#
55	0.0	21.0	31.4#
61	0.0	20.0	30.0#

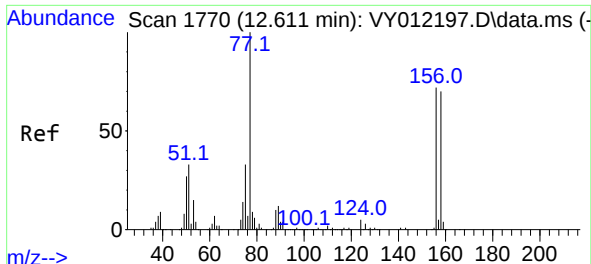


#76
1,2,3-Trichloropropane
Concen: 51.887 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 75 Resp: 87319

Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

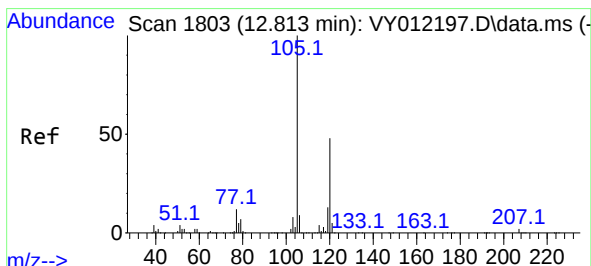
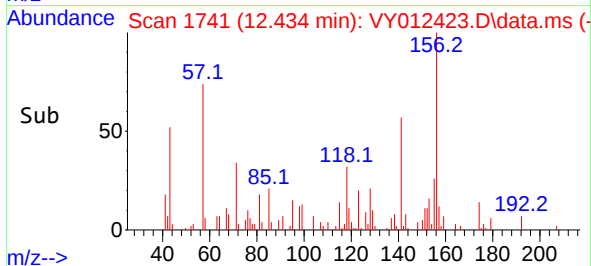
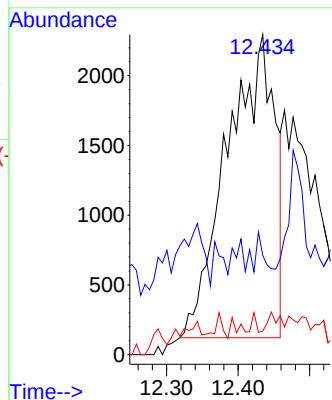
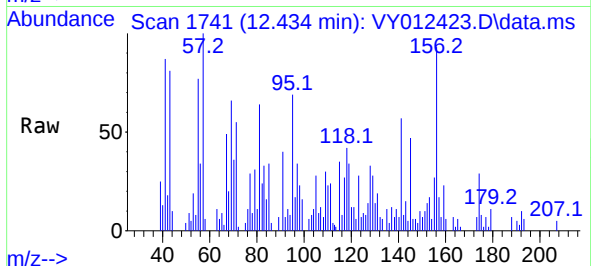




#77
Bromobenzene
Concen: 3.177 ug/l
RT: 12.434 min Scan# 11
Delta R.T. -0.171 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

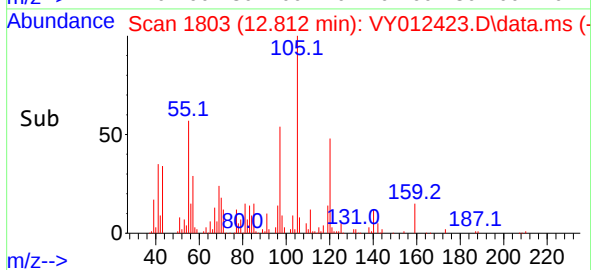
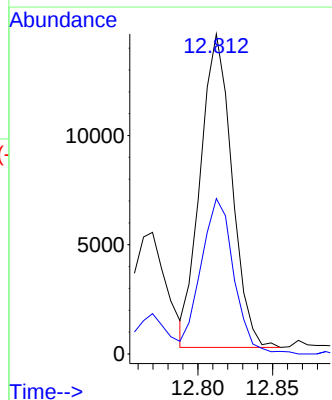
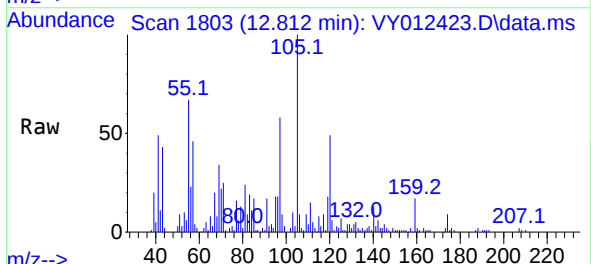
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

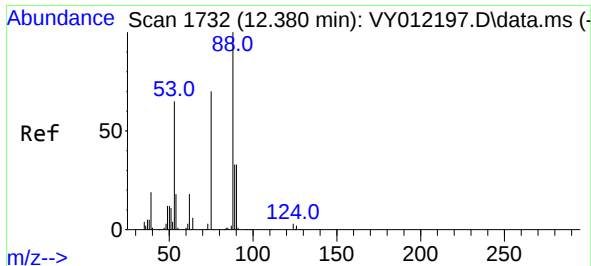
Tgt Ion:156 Resp: 10090
Ion Ratio Lower Upper
156 100
77 2.7 90.0 270.0#
158 0.5 48.4 145.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.835 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion:105 Resp: 21055
Ion Ratio Lower Upper
105 100
120 51.8 24.2 72.6

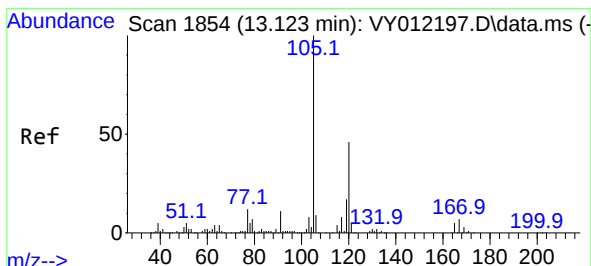
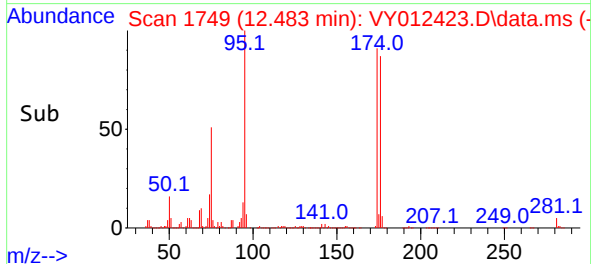
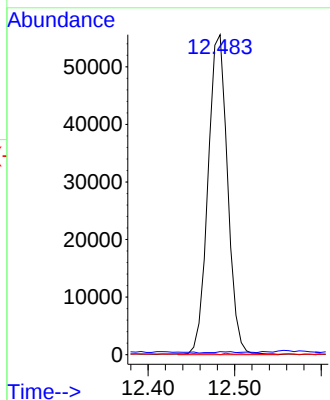
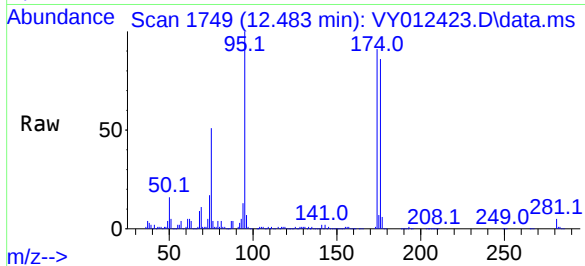




#81
trans-1,4-Dichloro-2-butene
Concen: 106.911 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

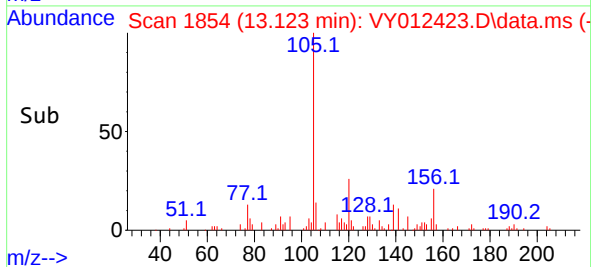
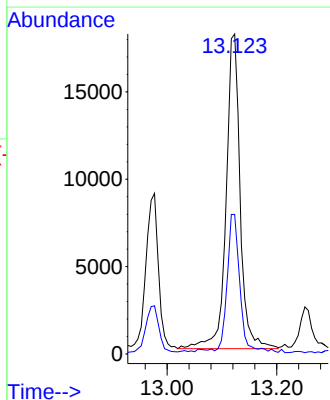
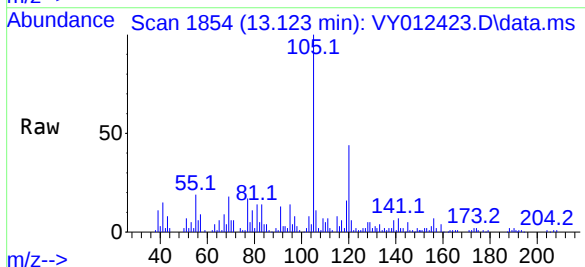
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

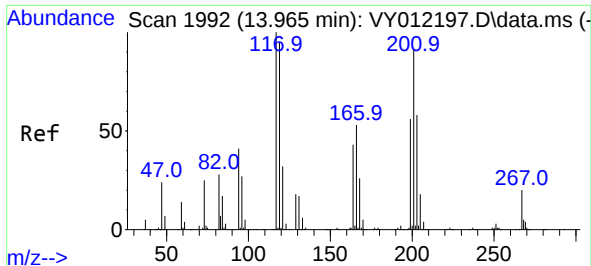
Tgt Ion: 75 Resp: 87319
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.2 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.854 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion:105 Resp: 32287
Ion Ratio Lower Upper
105 100
120 39.4 22.9 68.7

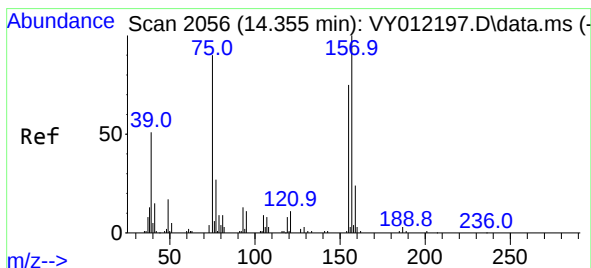
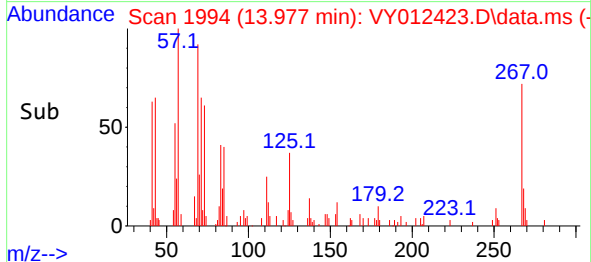
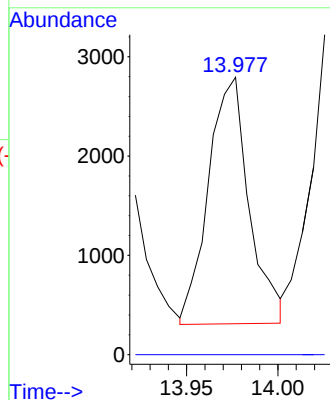
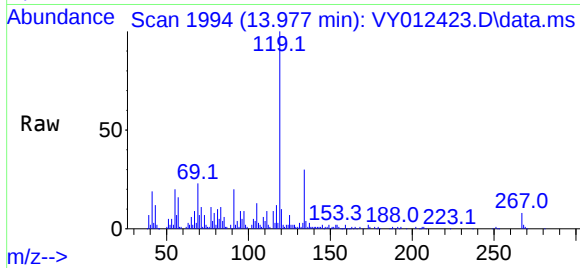




#90
Hexachloroethane
Concen: 1.714 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

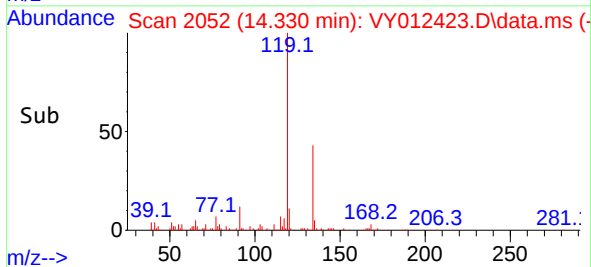
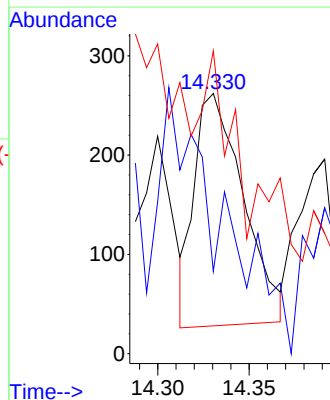
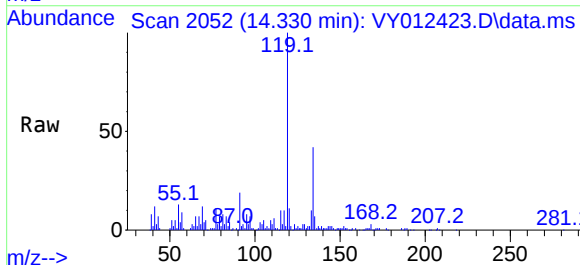
Instrument :
MSVOA_Y
ClientSampleId :
JPP-5-012723RE

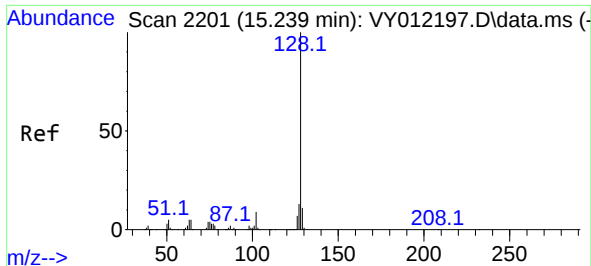
Tgt Ion:117 Resp: 3849
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.015 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.025 min
Lab File: VY012423.D
Acq: 31 Jan 2023 16:22

Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
155 0.0 42.3 126.8#
157 0.0 54.4 163.3#





#95

Naphthalene

Concen: 5.357 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY012423.D

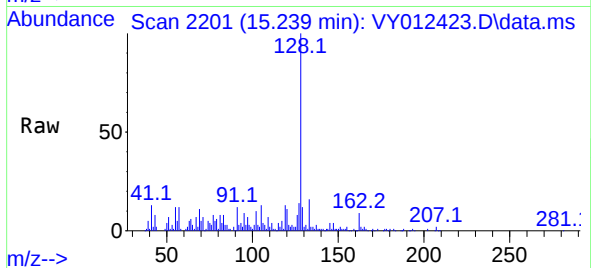
Acq: 31 Jan 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

JPP-5-012723RE



Tgt Ion:128 Resp: 38182

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.2

129 12.6 8.8 13.2

