

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015240.D
 Acq On : 22 Aug 2023 13:30
 Operator : SY/MD
 Sample : 04086-08
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP13A

Quant Time: Aug 22 14:28:00 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)

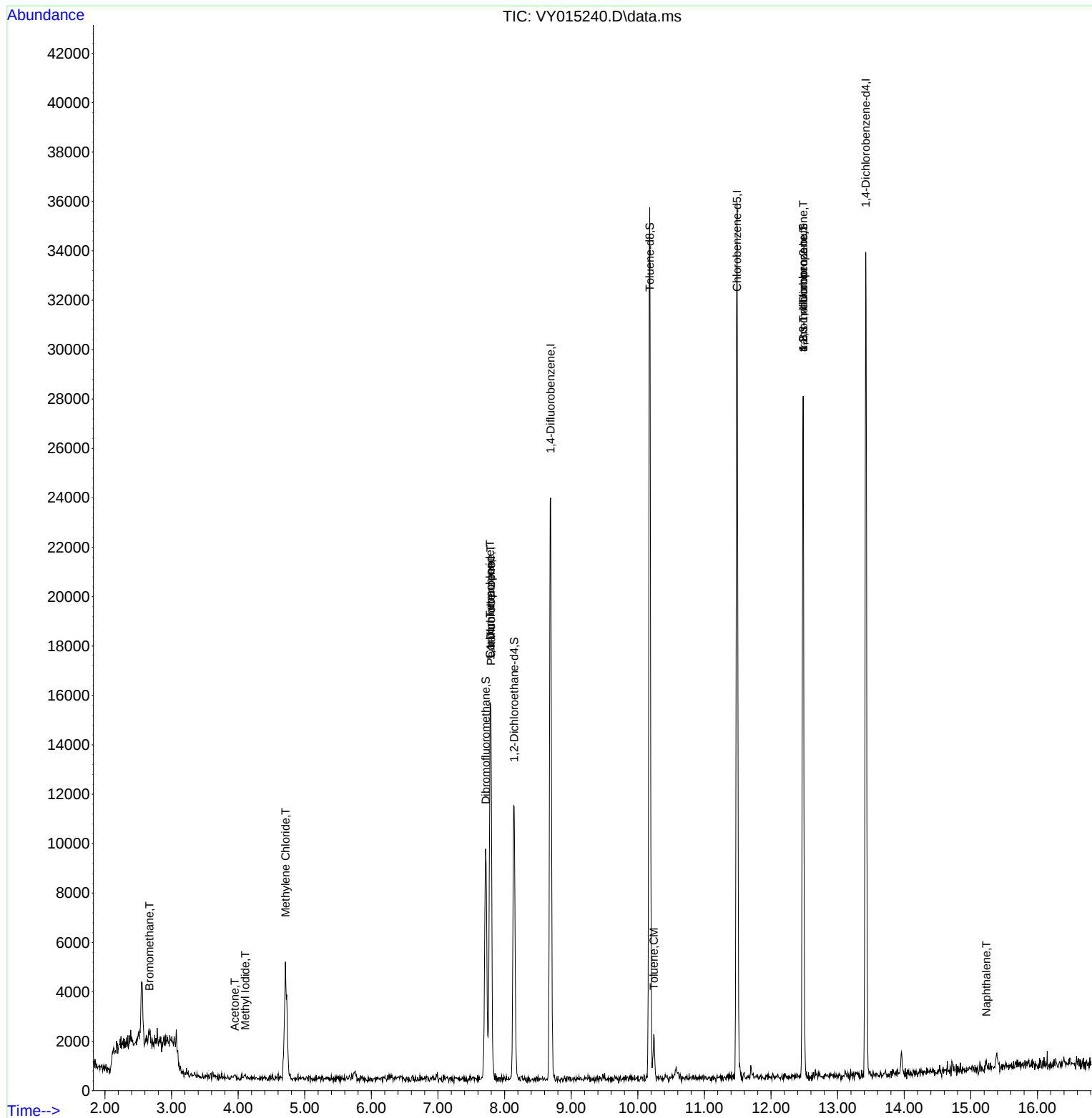
Internal Standards						
1) Pentafluorobenzene	7.795	168	13125	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	20618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	19878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	9031	57.320	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.640%
35) Dibromofluoromethane	7.716	113	6617	49.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.780%
50) Toluene-d8	10.179	98	24344	49.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.483	95	8113	44.985	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	171	Below Cal	#	43
5) Bromomethane	2.668	94	384	3.762	ug/l #	71
10) Methyl Iodide	4.107	142	193	1.797	ug/l #	38
16) Acetone	3.948	43	225	4.371	ug/l #	46
20) Methylene Chloride	4.710	84	3334	24.842	ug/l #	74
31) Cyclohexane	7.777	56	152	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	982	6.692	ug/l #	41
38) Carbon Tetrachloride	7.783	117	1324	7.624	ug/l #	12
52) Toluene	10.240	92	856	2.927	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	4547	41.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4547	90.906	ug/l #	10
95) Naphthalene	15.233	128	445	1.059	ug/l #	69

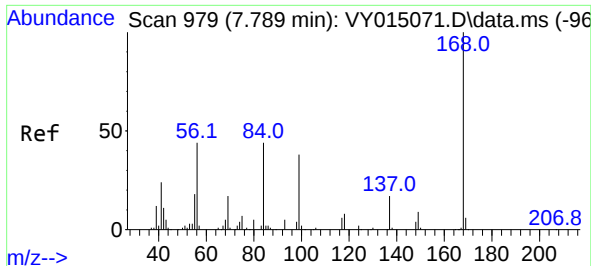
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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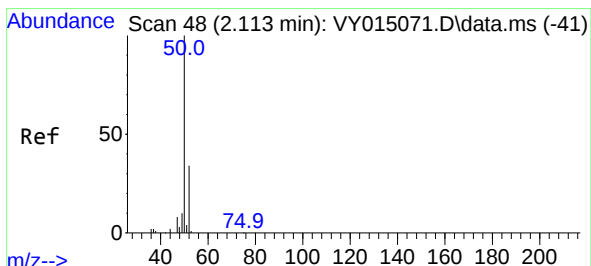
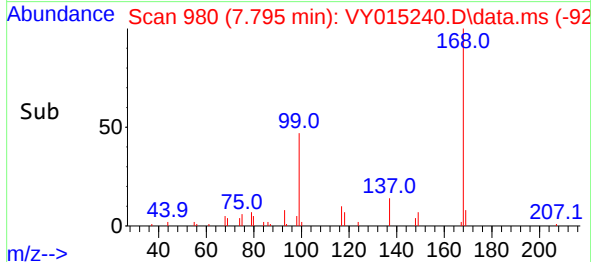
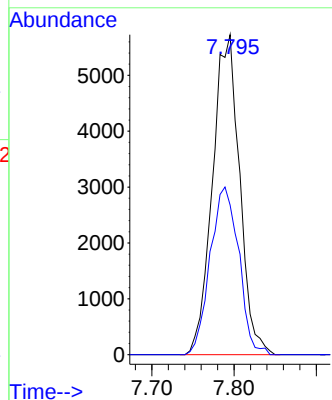
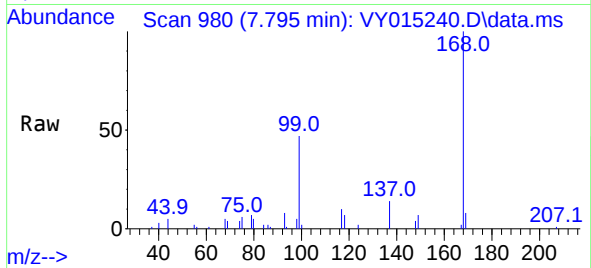




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

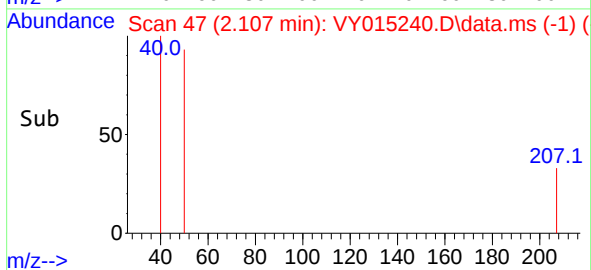
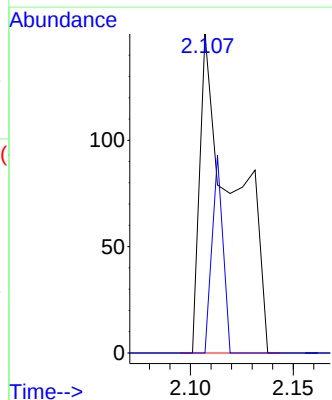
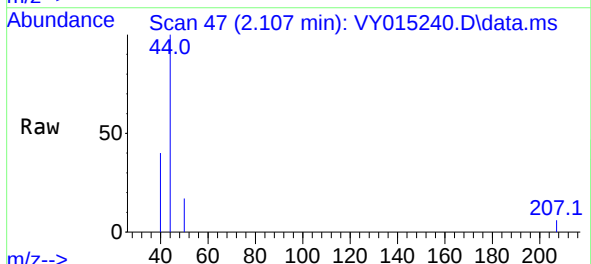
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

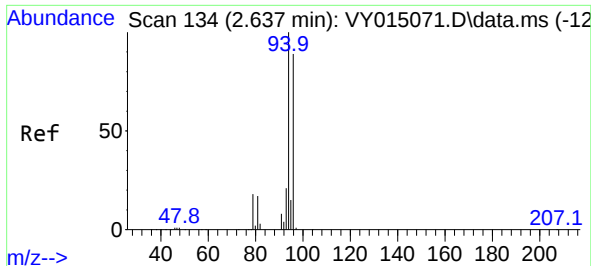
Tgt Ion:168 Resp: 13125
Ion Ratio Lower Upper
168 100
99 46.7 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion: 50 Resp: 171
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

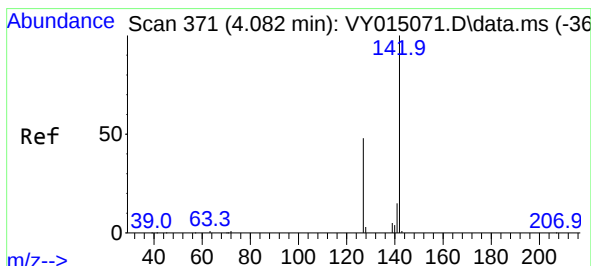
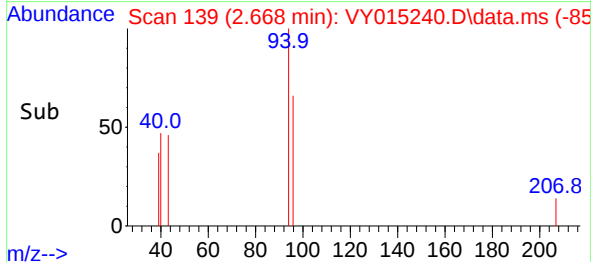
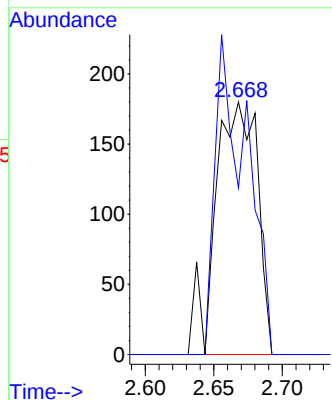
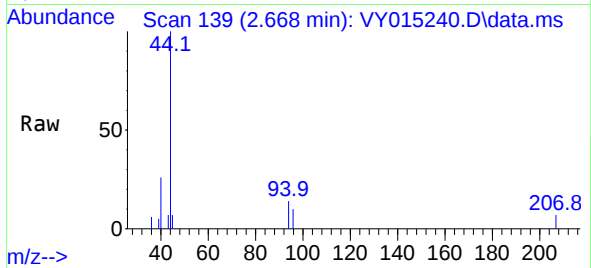




#5
Bromomethane
Concen: 3.762 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

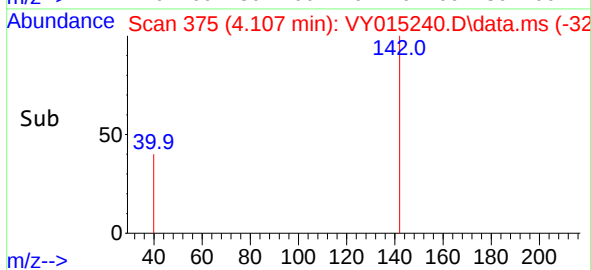
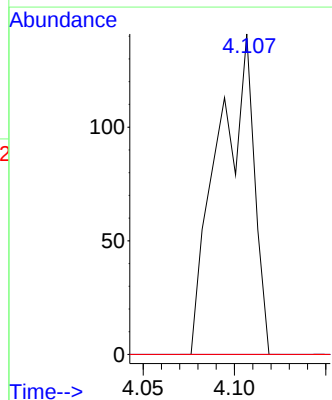
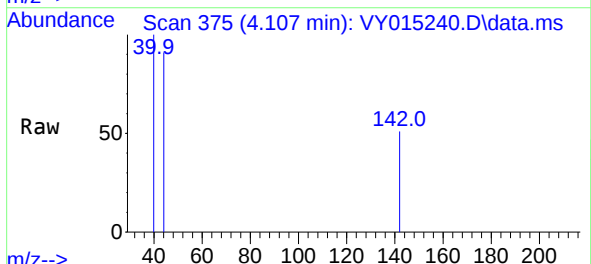
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

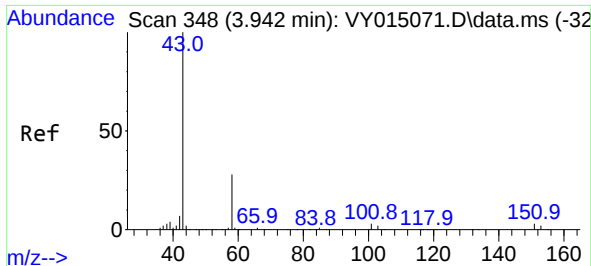
Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 66.1 75.8 113.6#



#10
Methyl Iodide
Concen: 1.797 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion:142 Resp: 193
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

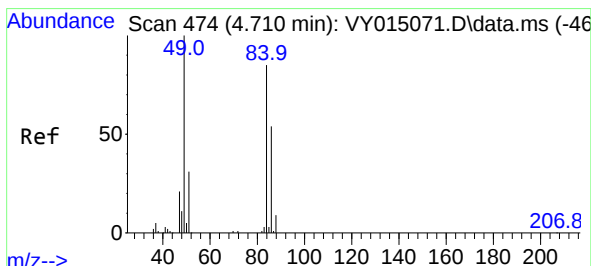
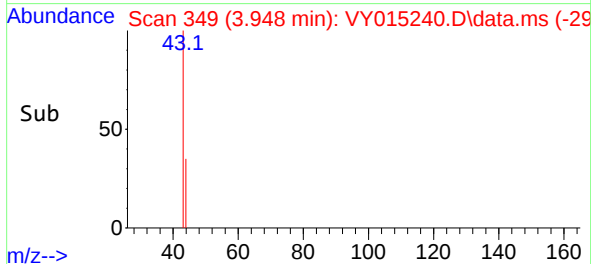
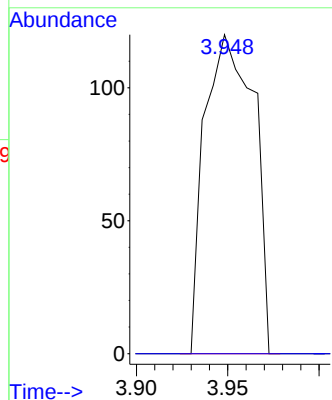
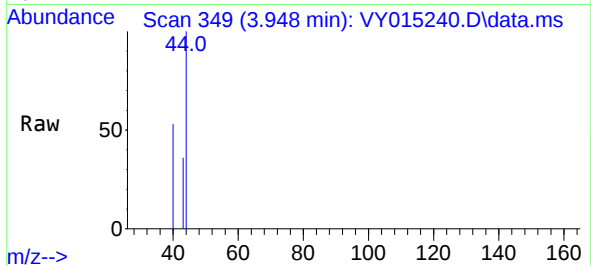




#16
Acetone
Concen: 4.371 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

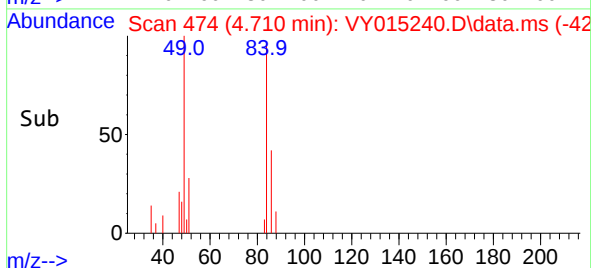
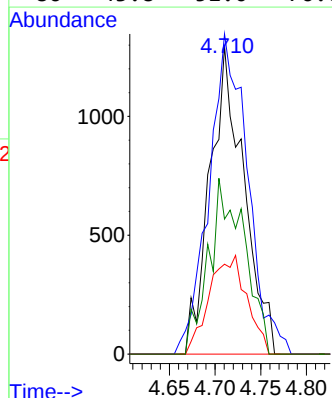
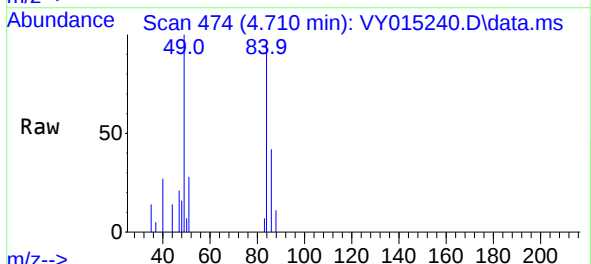
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

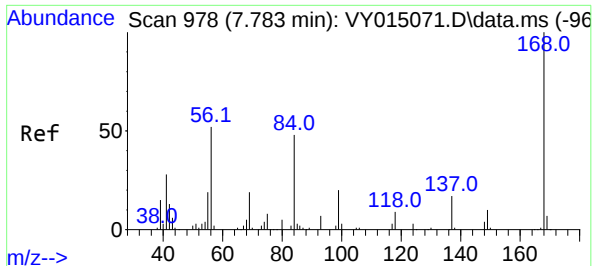
Tgt Ion: 43 Resp: 225
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 24.842 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

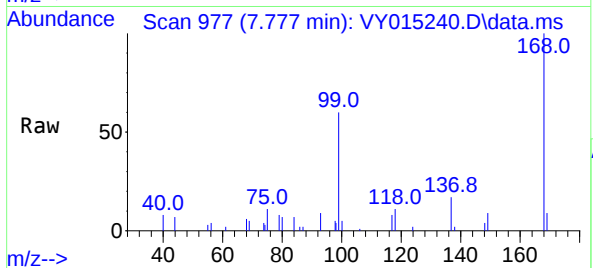
Tgt Ion: 84 Resp: 3334
Ion Ratio Lower Upper
84 100
49 99.8 106.9 160.3#
51 29.1 33.2 49.8#
86 43.8 51.0 76.6#



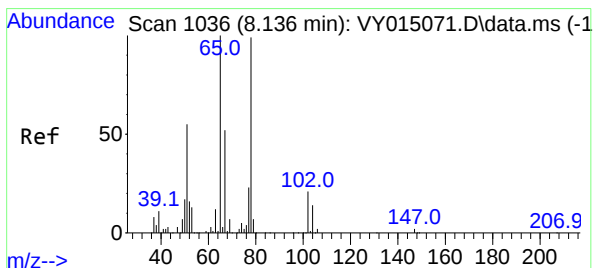
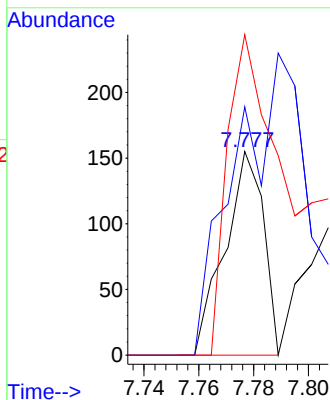
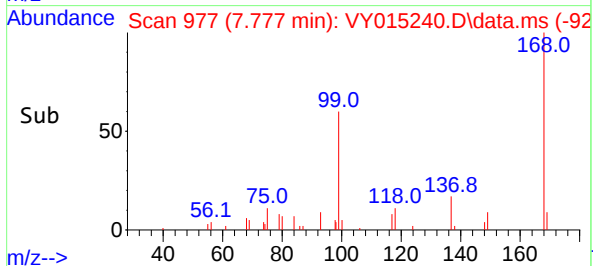


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

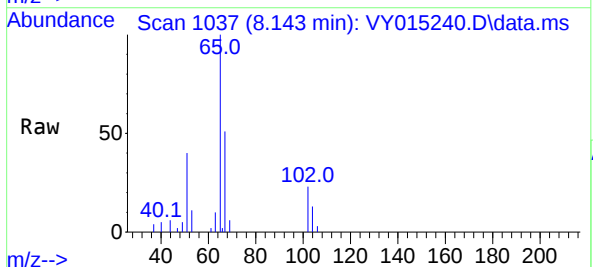
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



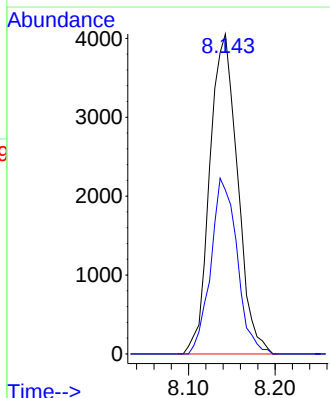
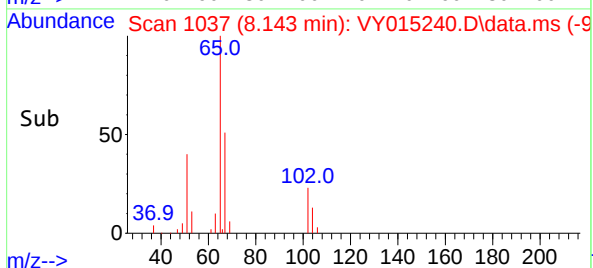
Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
69 121.9 27.8 41.6#
84 157.4 66.4 99.6#

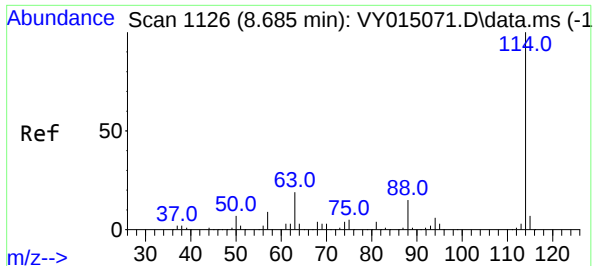


#33
1,2-Dichloroethane-d4
Concen: 57.320 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30



Tgt Ion: 65 Resp: 9031
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8

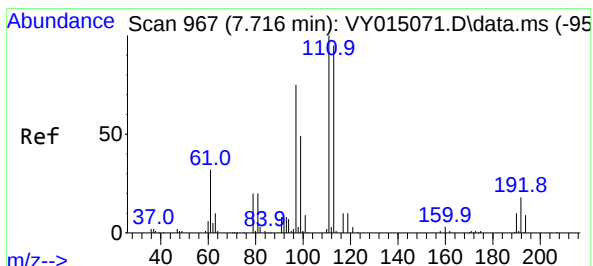
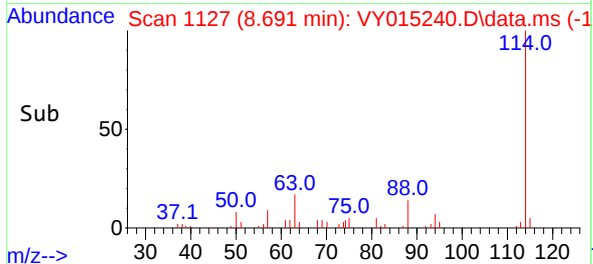
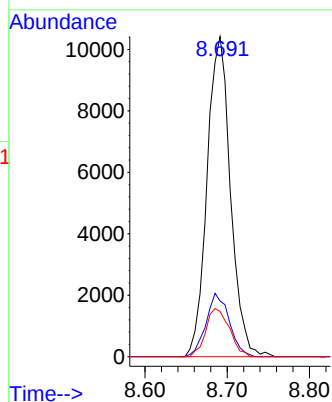
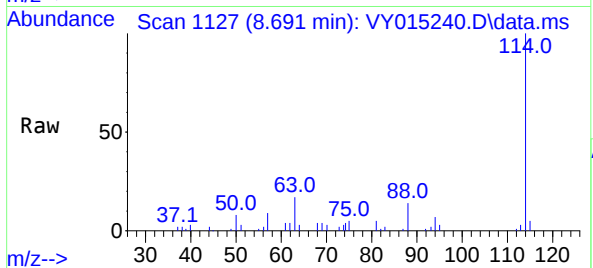




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

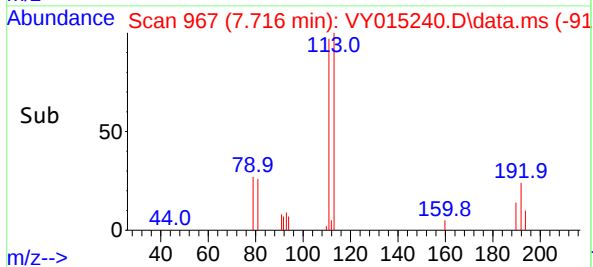
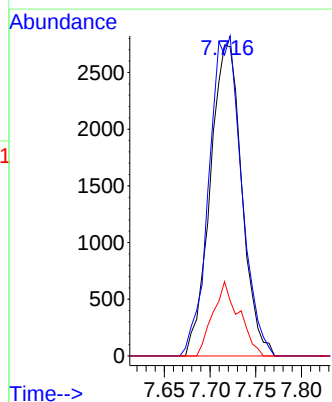
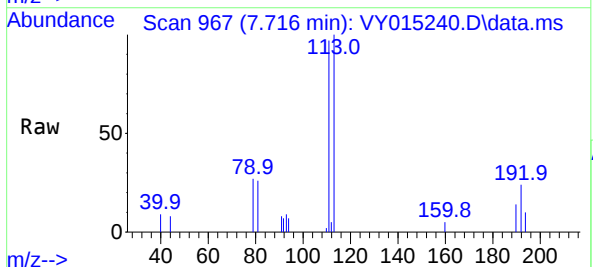
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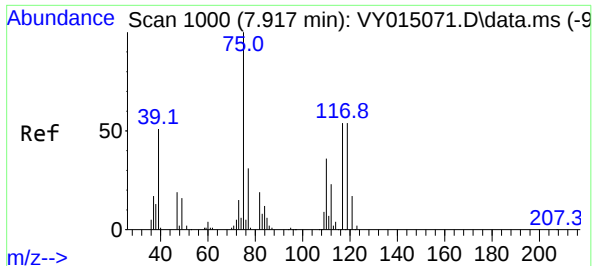
Tgt Ion:	114	Resp:	20618
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	42.4
88	14.1	0.0	30.6



#35
Dibromofluoromethane
Concen: 49.886 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion:	113	Resp:	6617
Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.3	121.9
192	19.7	16.9	25.3

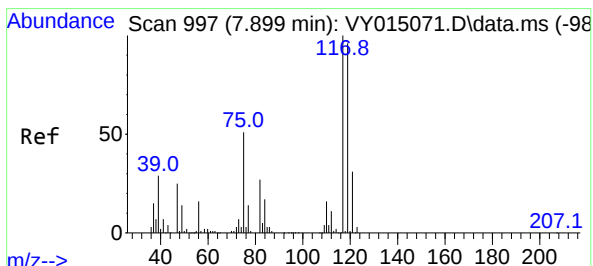
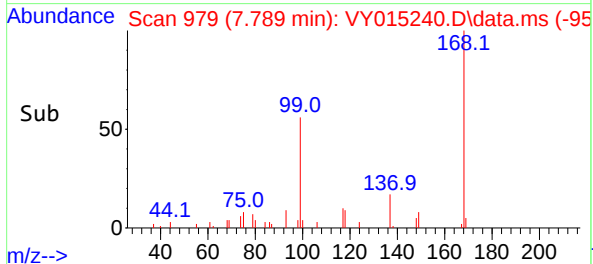
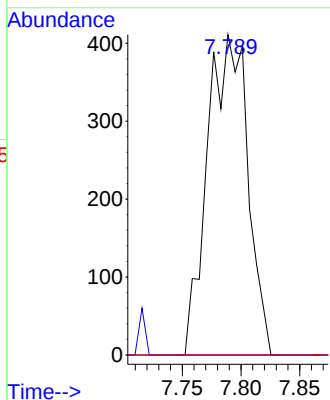
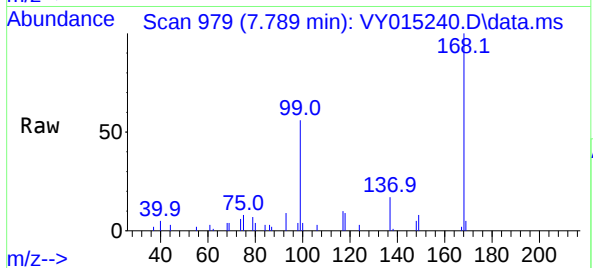




#36
1,1-Dichloropropene
Concen: 6.692 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

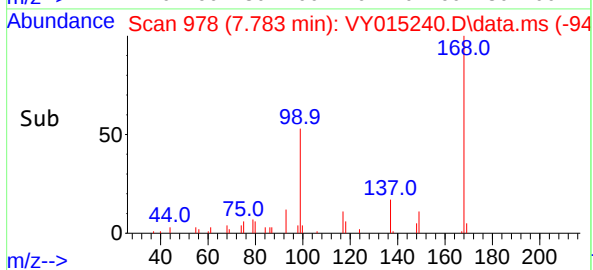
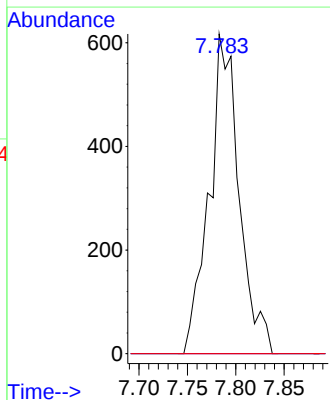
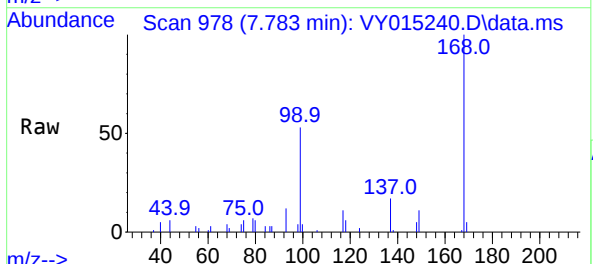
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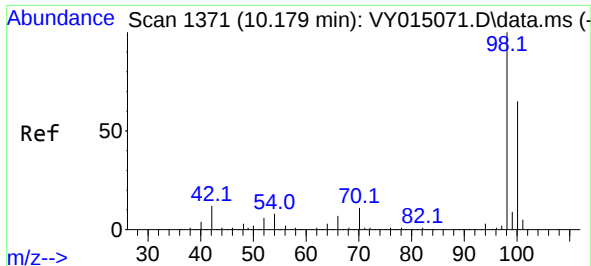
Tgt Ion: 75 Resp: 982
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.624 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion: 117 Resp: 1324
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

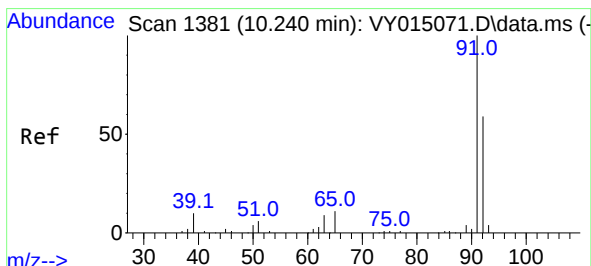
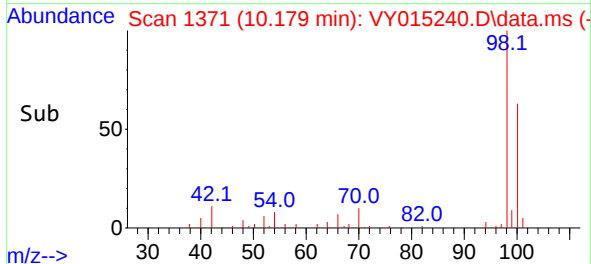
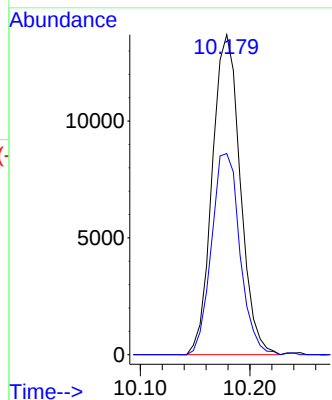
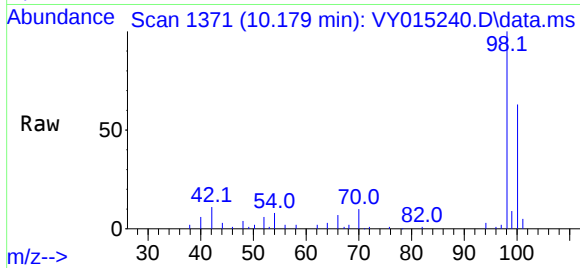




#50
Toluene-d8
Concen: 49.302 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

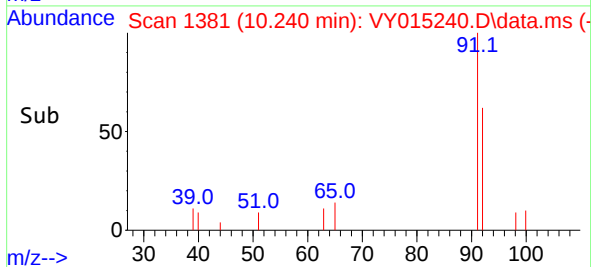
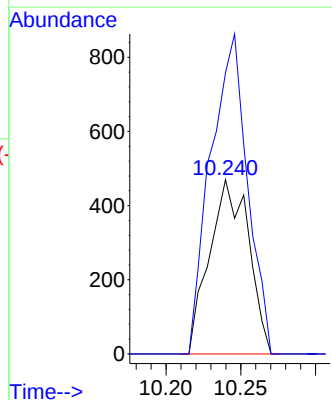
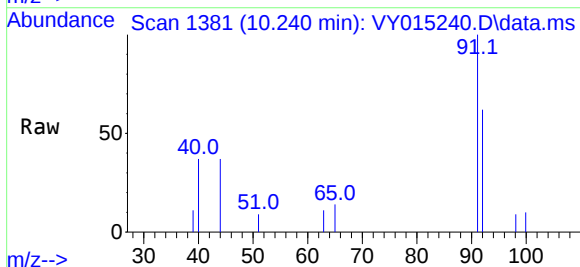
Instrument :
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ClientSampleId :
B-PP13A

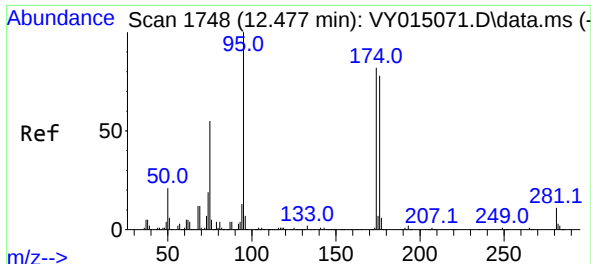
Tgt Ion: 98 Resp: 24344
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1



#52
Toluene
Concen: 2.927 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion: 92 Resp: 856
Ion Ratio Lower Upper
92 100
91 172.8 143.8 215.6

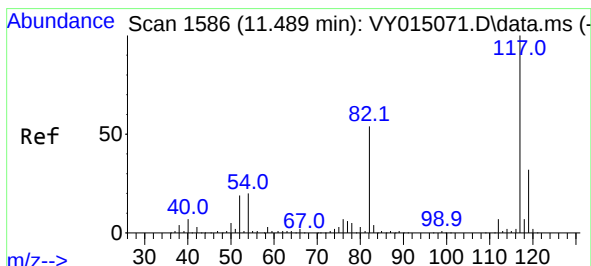
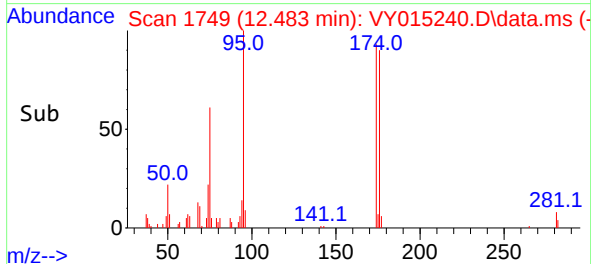
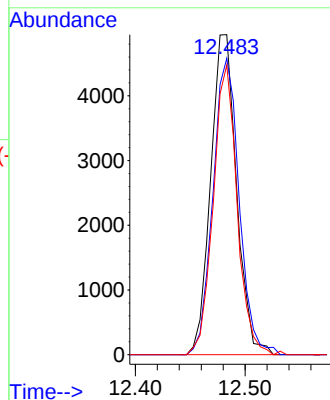
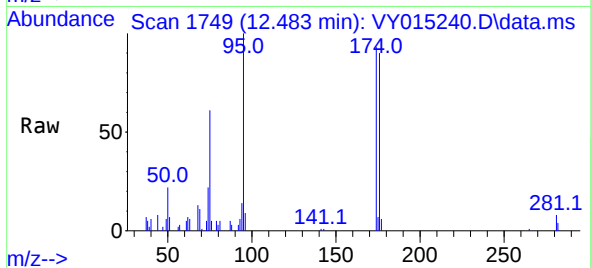




#62
4-Bromofluorobenzene
Concen: 44.985 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

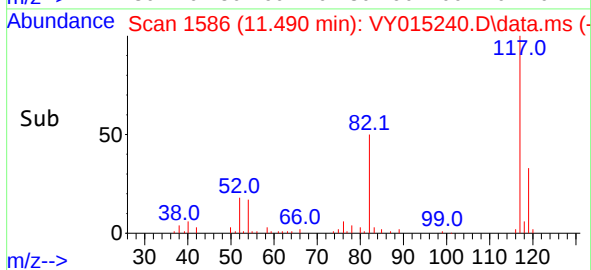
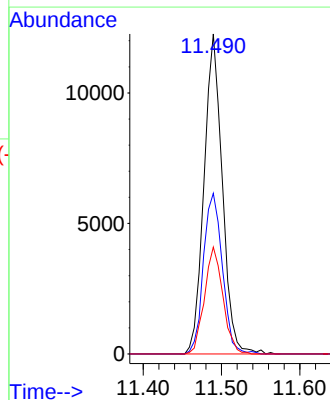
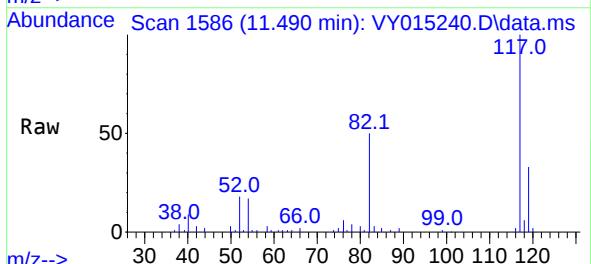
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

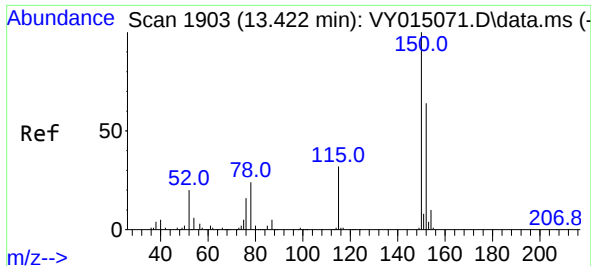
Tgt Ion:	95	Resp:	8113
Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	178.2
176	83.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion:	117	Resp:	19878
Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.4	65.0
119	33.4	26.3	39.5

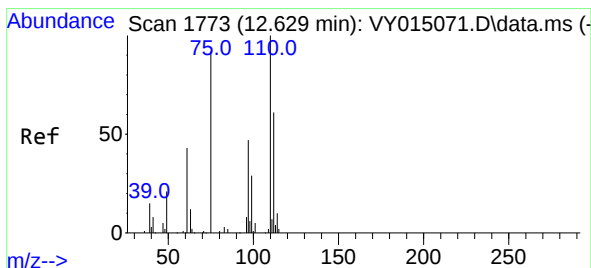
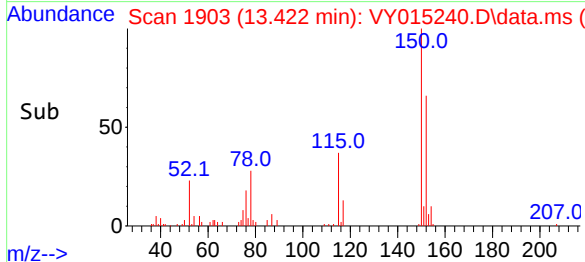
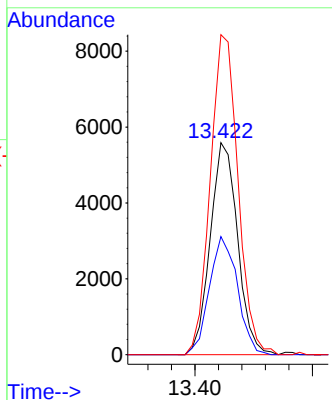
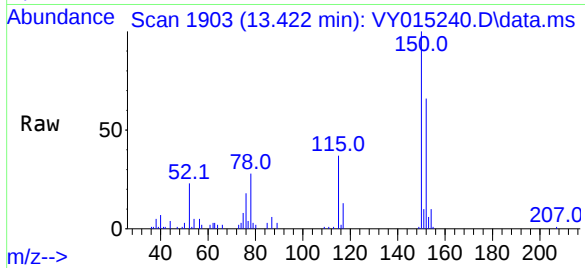




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

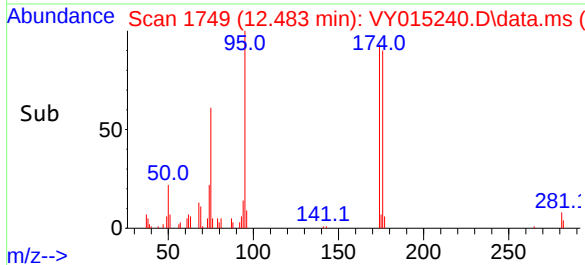
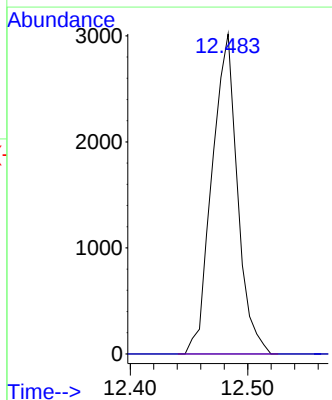
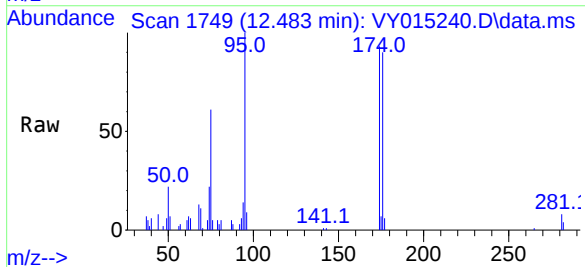
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

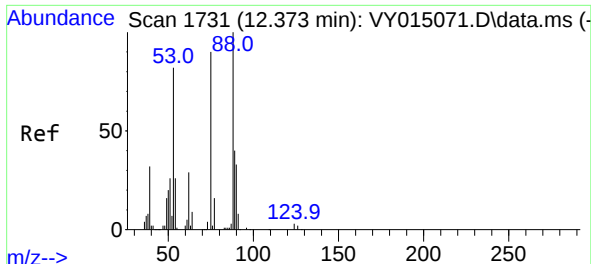
Tgt Ion:152 Resp: 9043
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 152.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 41.387 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion: 75 Resp: 4547
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

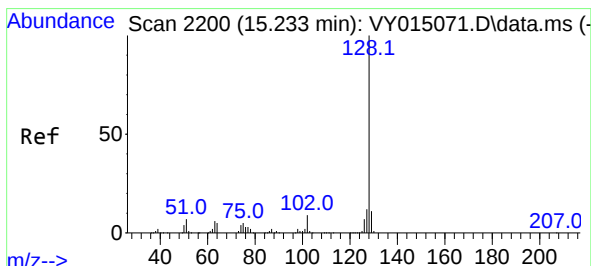
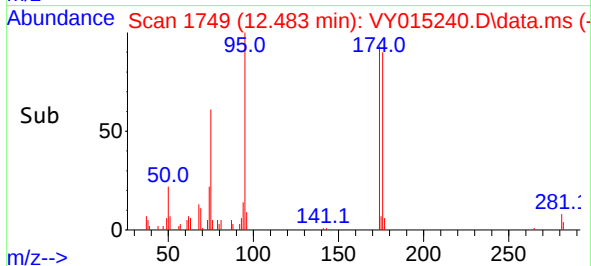
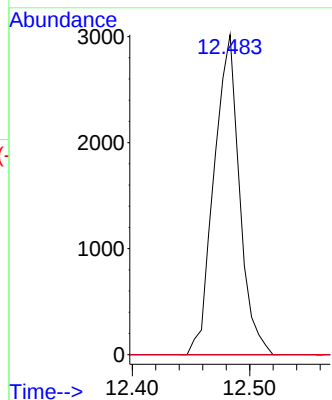
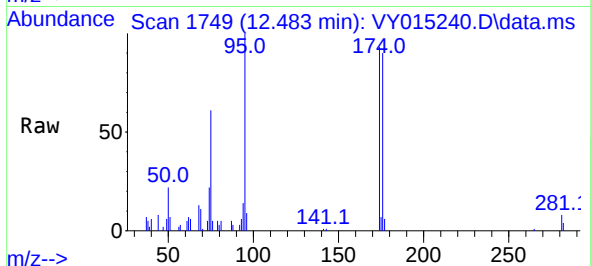




#81
trans-1,4-Dichloro-2-butene
Concen: 90.906 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

Tgt Ion: 75 Resp: 4547
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.059 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015240.D
Acq: 22 Aug 2023 13:30

Tgt Ion:128 Resp: 445
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

