

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013370.D
 Acq On : 20 Apr 2023 16:00
 Operator : KP/MD
 Sample : 02371-09
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-20-8.0-8.5RE

Quant Time: Apr 21 02:15:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

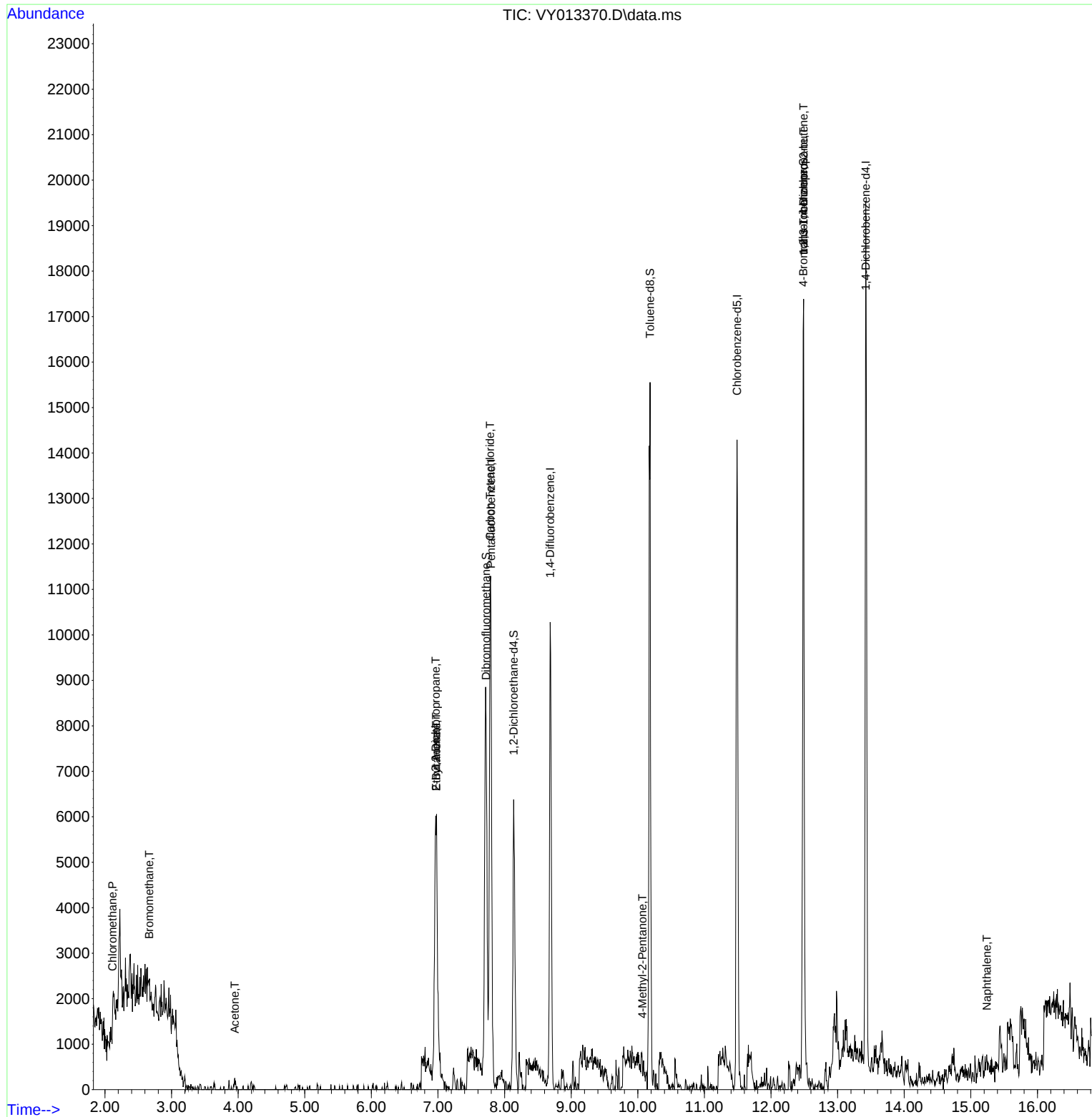
Internal Standards						
1) Pentafluorobenzene	7.795	168	9440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	8931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	8871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5590	49.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.540%			
35) Dibromofluoromethane	7.722	113	5603	96.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 193.820%#			
50) Toluene-d8	10.185	98	10551	49.026	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.483	95	4226	60.436	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.880%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	115	1.080	ug/l #	42
5) Bromomethane	2.662	94	162	2.093	ug/l #	1
16) Acetone	3.948	43	356	9.127	ug/l #	44
20) Methylene Chloride	4.710	84	46	Below Cal	#	5
25) 2-Butanone	6.972	43	174	3.484	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	271	1.617	ug/l #	52
37) Ethyl Acetate	6.972	43	174	2.464	ug/l #	1
38) Carbon Tetrachloride	7.783	117	407	4.202	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	76	1.191	ug/l #	38
76) 1,2,3-Trichloropropane	12.489	75	2395	37.547	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2395	77.929	ug/l #	13
95) Naphthalene	15.239	128	155	3.851	ug/l #	69

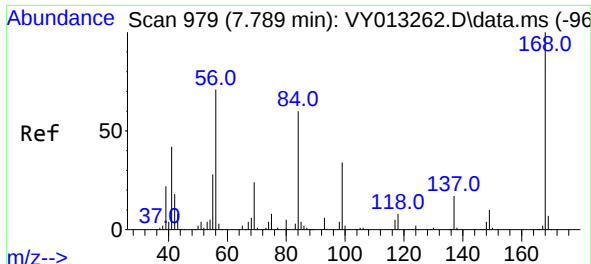
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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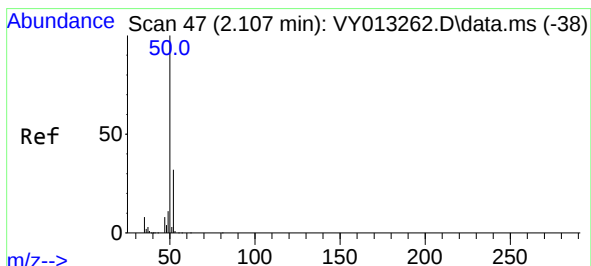
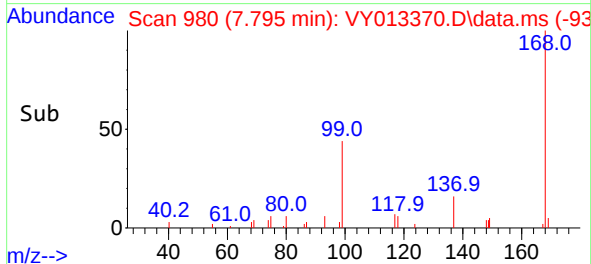
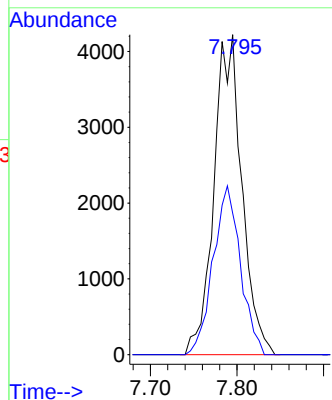
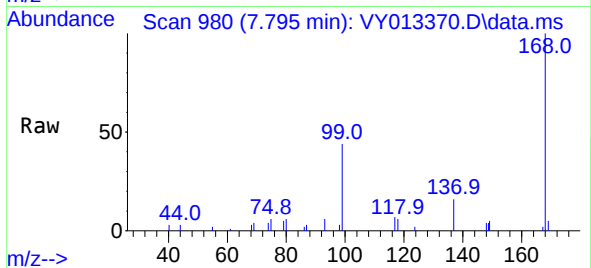




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

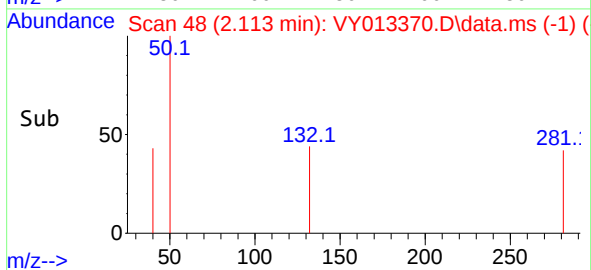
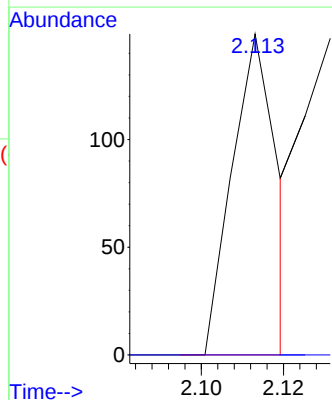
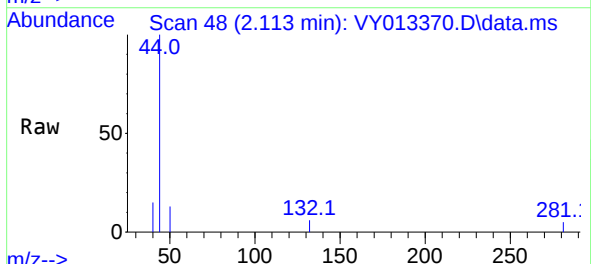
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

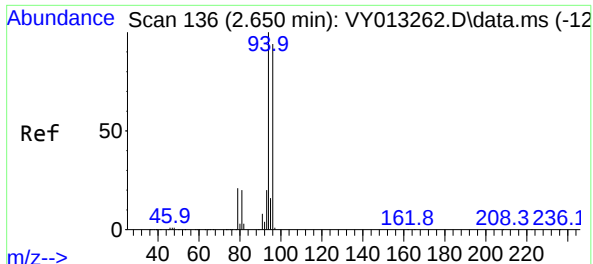
Tgt Ion:168 Resp: 9440
Ion Ratio Lower Upper
168 100
99 44.2 41.7 62.5



#3
Chloromethane
Concen: 1.080 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion: 50 Resp: 115
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

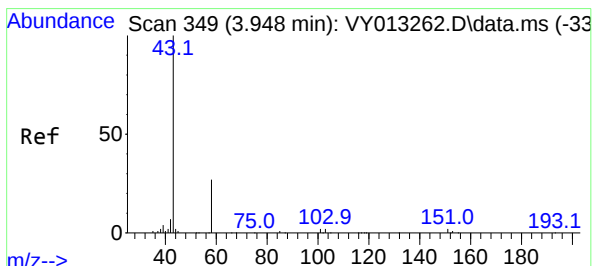
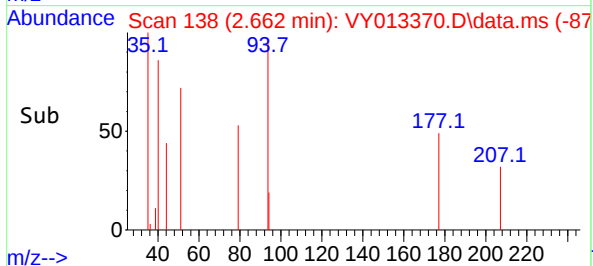
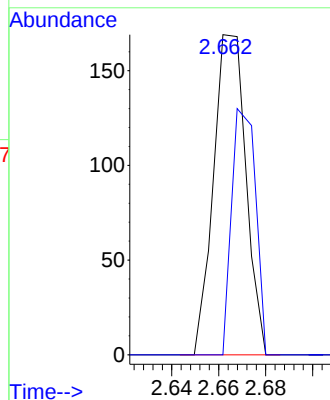
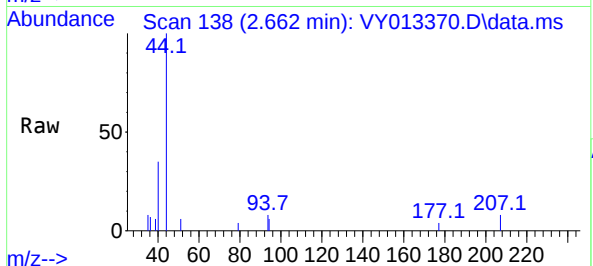




#5
Bromomethane
Concen: 2.093 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

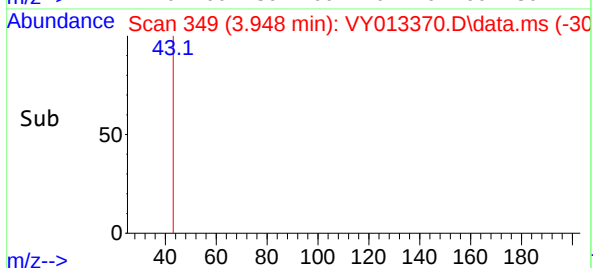
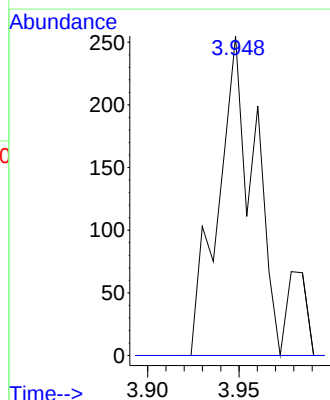
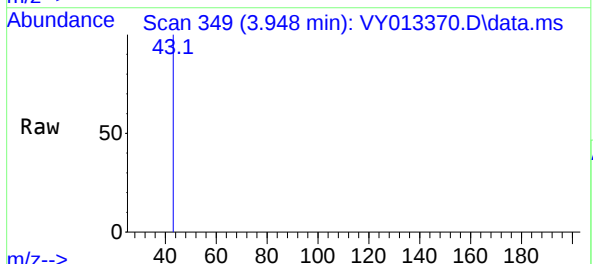
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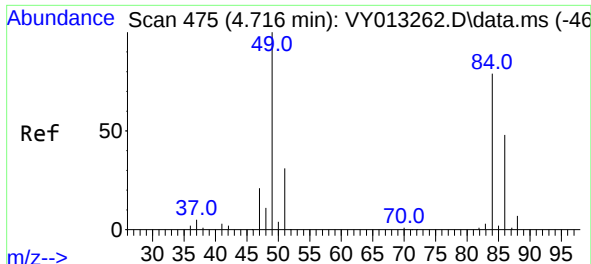
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 0.0 80.3 120.5#



#16
Acetone
Concen: 9.127 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

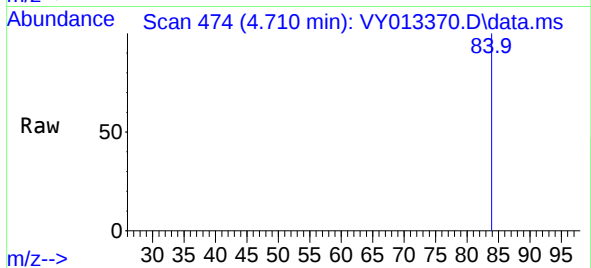
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





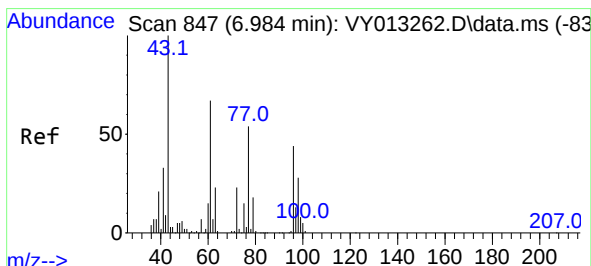
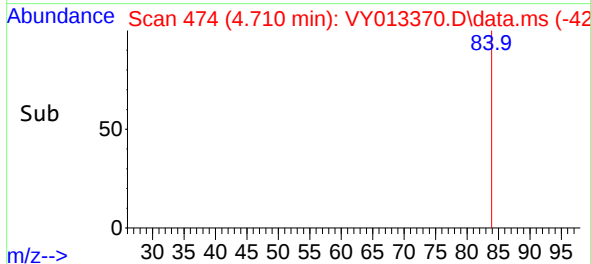
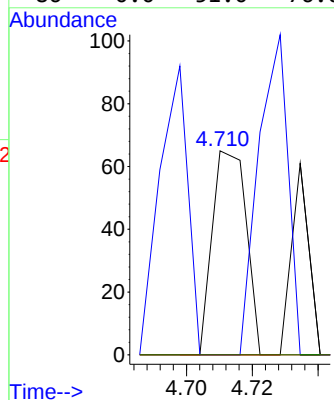
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE



Tgt Ion: 84 Resp: 46

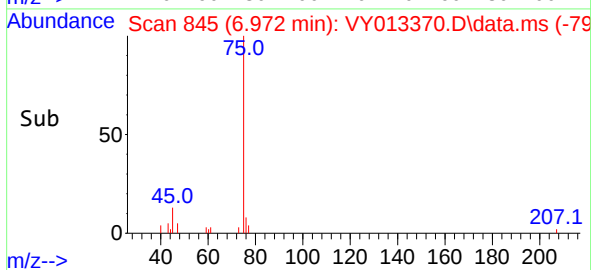
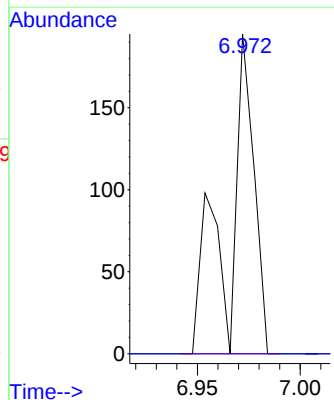
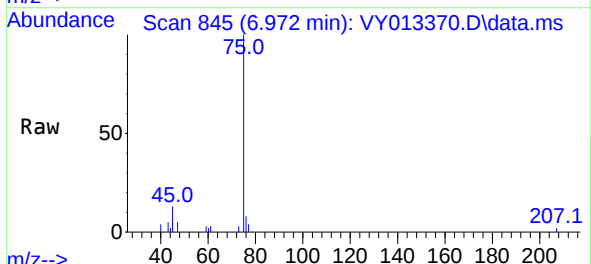
Ion	Ratio	Lower	Upper
84	100		
49	0.0	102.6	154.0#
51	0.0	31.9	47.9#
86	0.0	51.0	76.6#

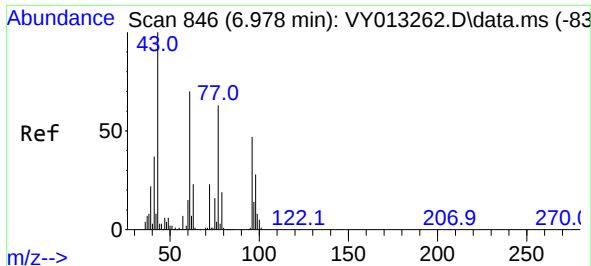


#25
2-Butanone
Concen: 3.484 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion: 43 Resp: 174

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#

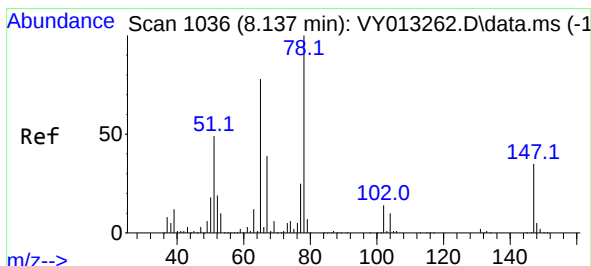
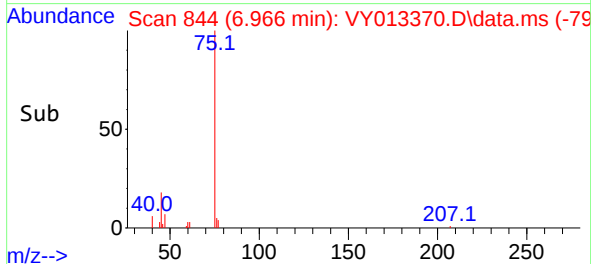
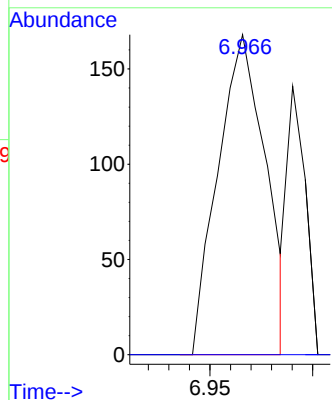
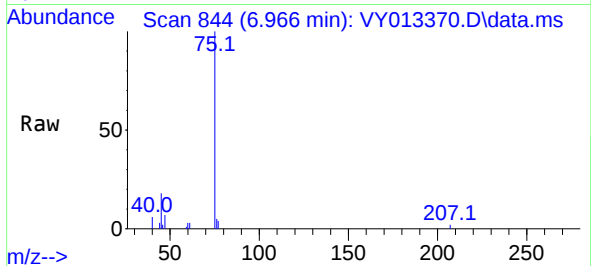




#26
2,2-Dichloropropane
Concen: 1.617 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

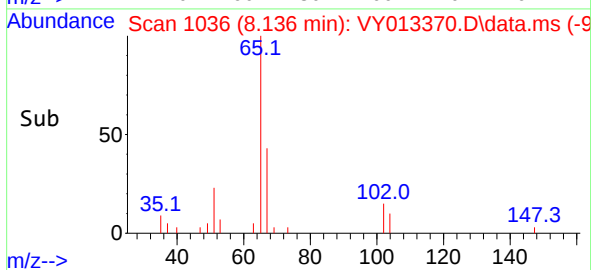
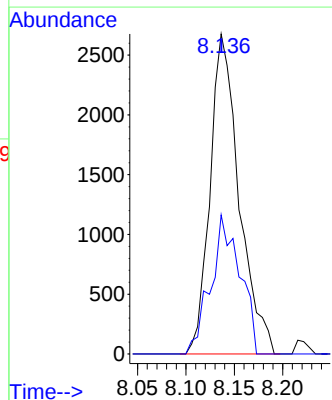
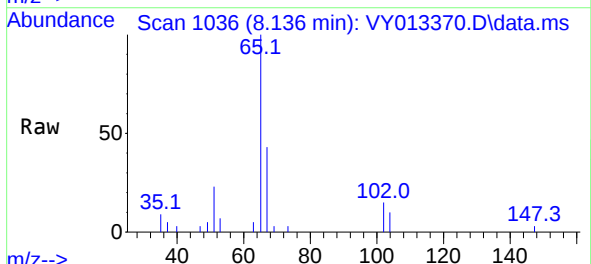
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

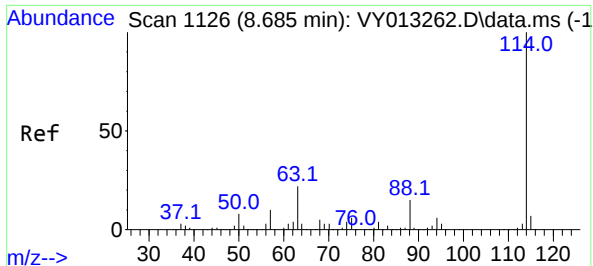
Tgt Ion: 77 Resp: 271
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#33
1,2-Dichloroethane-d4
Concen: 49.274 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion: 65 Resp: 5590
Ion Ratio Lower Upper
65 100
67 43.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013370.D

Acq: 20 Apr 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-20-8.0-8.5RE

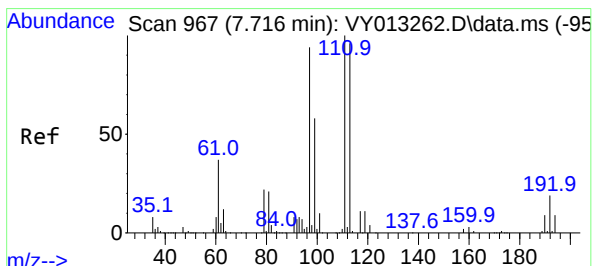
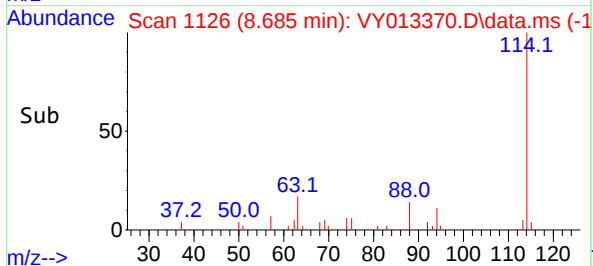
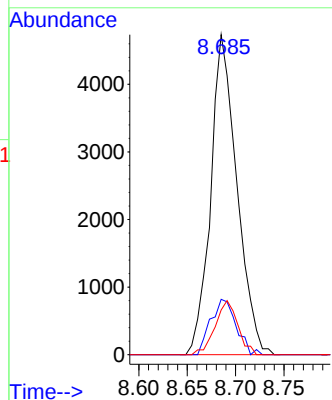
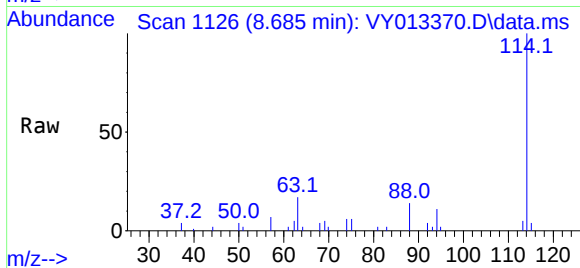
Tgt Ion:114 Resp: 8931

Ion Ratio Lower Upper

114 100

63 17.3 0.0 37.4

88 14.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 96.906 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013370.D

Acq: 20 Apr 2023 16:00

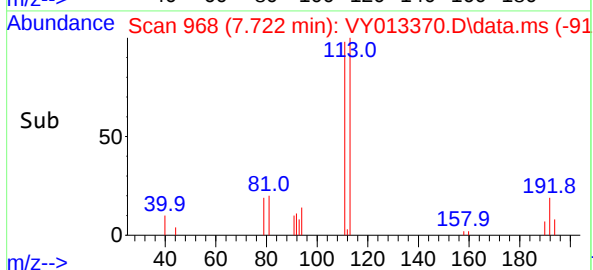
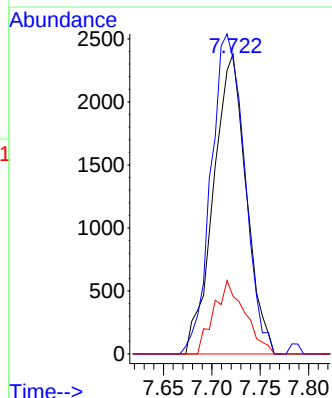
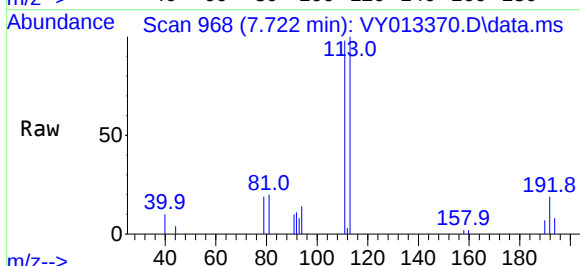
Tgt Ion:113 Resp: 5603

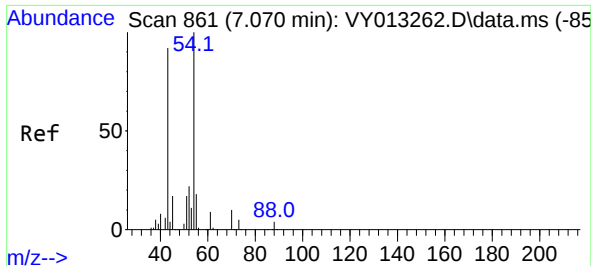
Ion Ratio Lower Upper

113 100

111 109.1 82.2 123.2

192 23.2 16.8 25.2

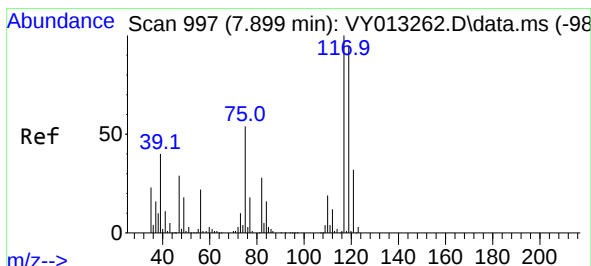
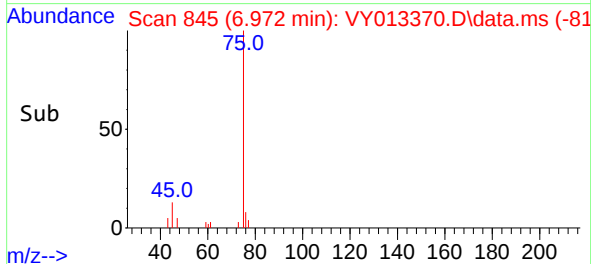
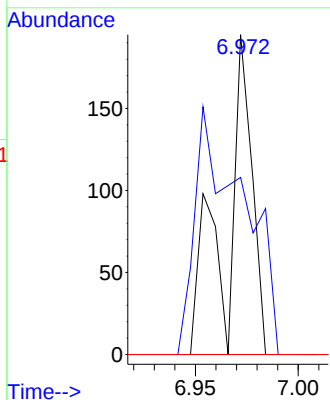
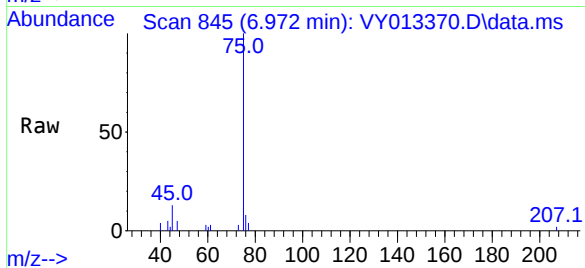




#37
Ethyl Acetate
Concen: 2.464 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

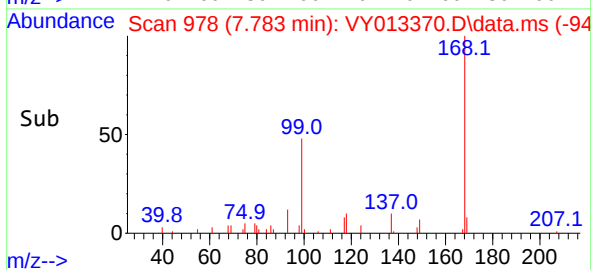
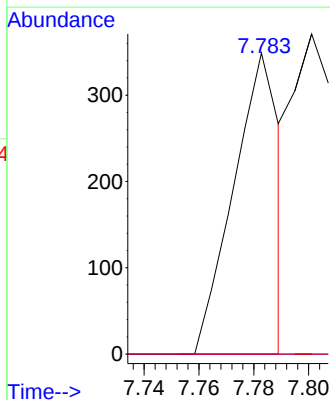
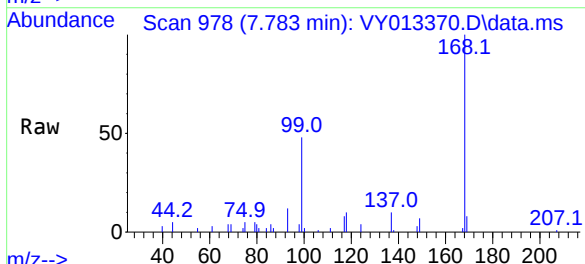
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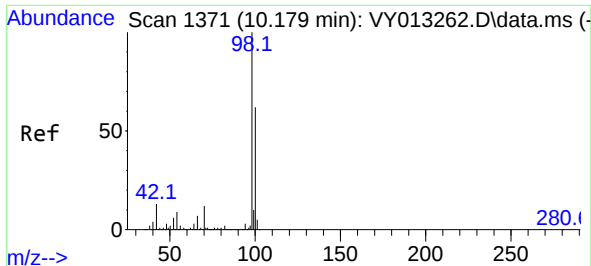
Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
61 142.0 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 4.202 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion: 117 Resp: 407
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#

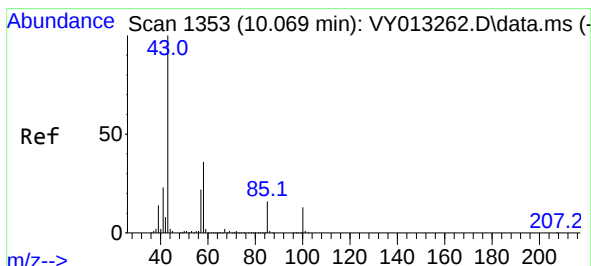
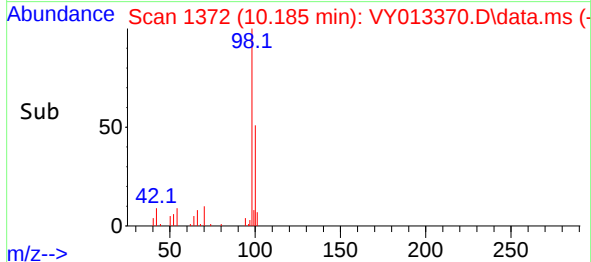
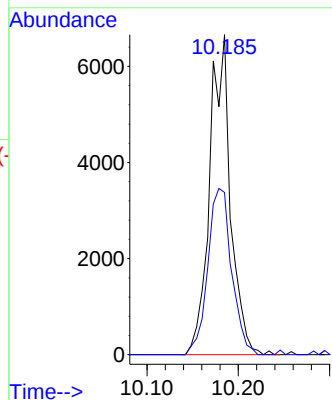
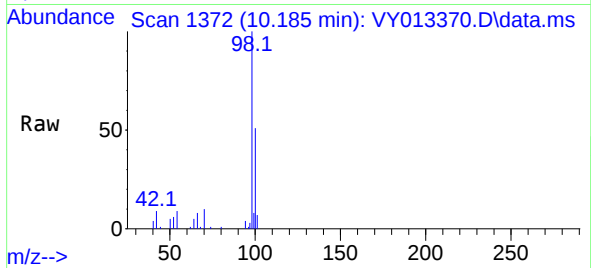




#50
Toluene-d8
Concen: 49.026 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

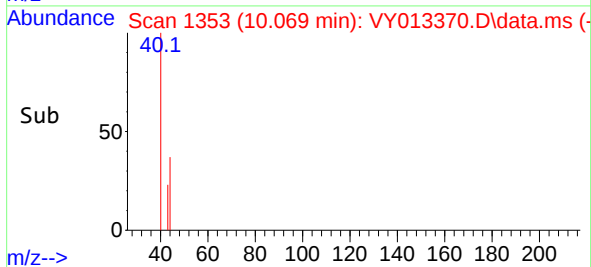
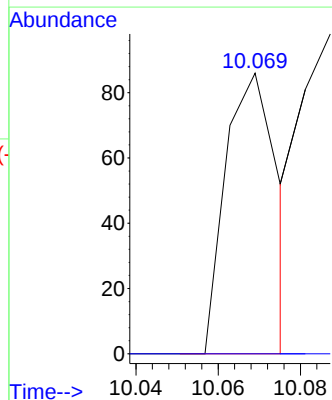
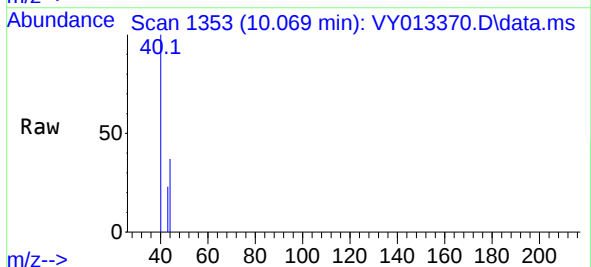
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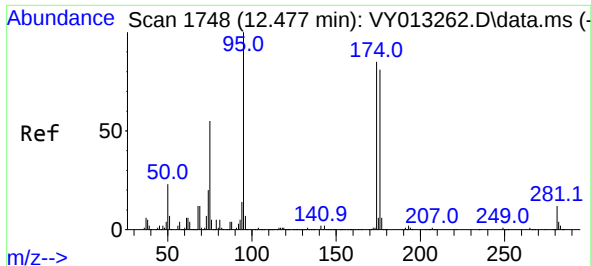
Tgt Ion: 98 Resp: 10551
Ion Ratio Lower Upper
98 100
100 59.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

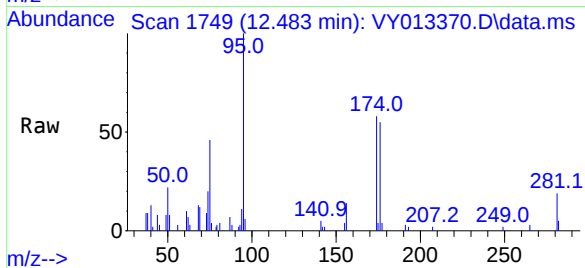
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#



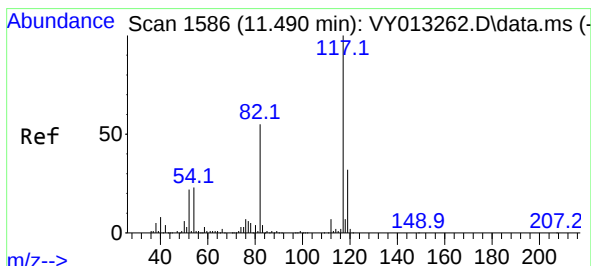
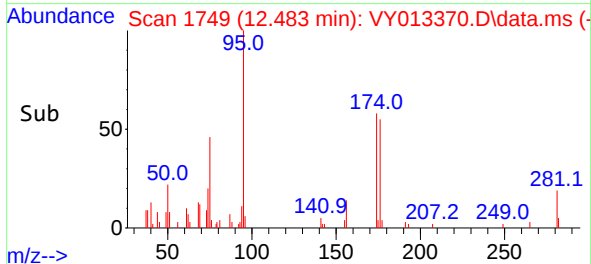
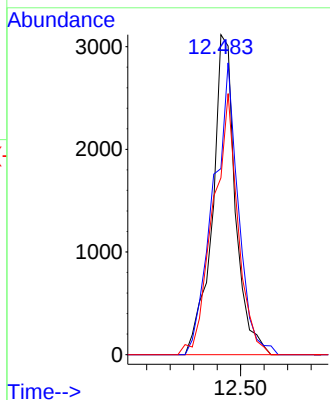


#62
4-Bromofluorobenzene
Concen: 60.436 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

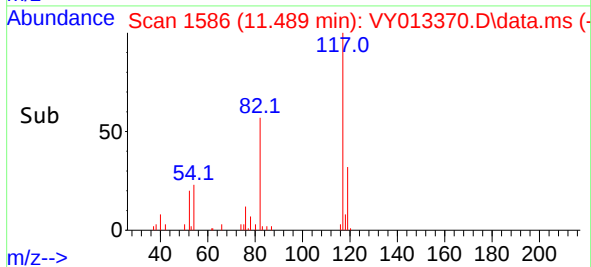
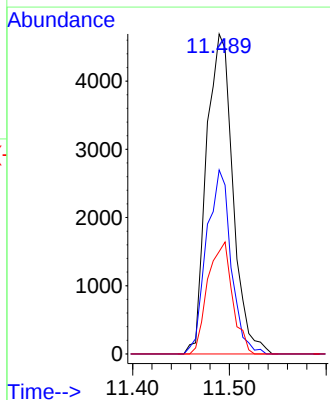
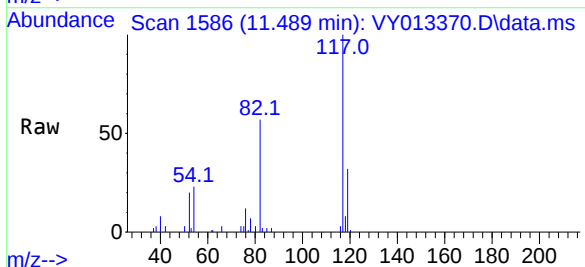


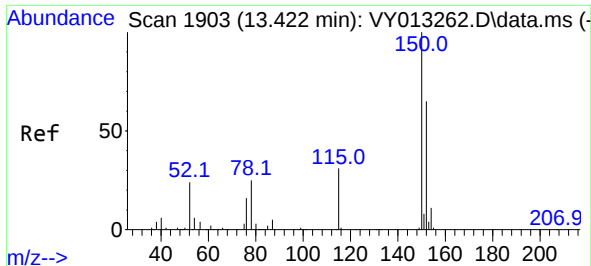
Tgt Ion: 95 Resp: 4226
Ion Ratio Lower Upper
95 100
174 100.0 0.0 176.6
176 88.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion: 117 Resp: 8871
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.0
119 32.0 25.6 38.4

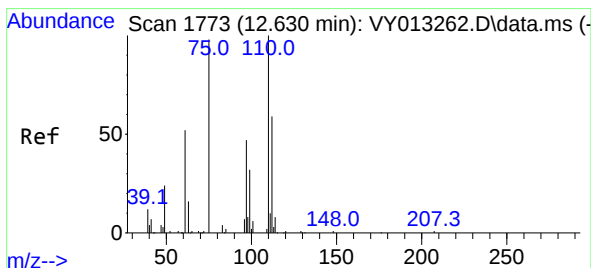
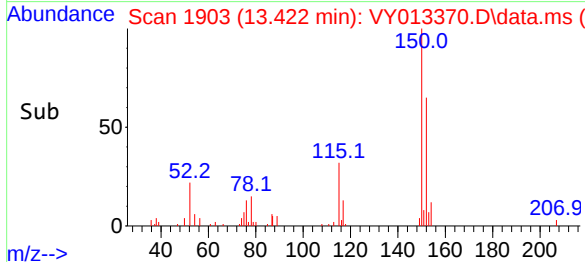
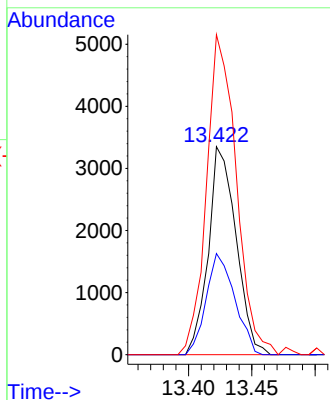
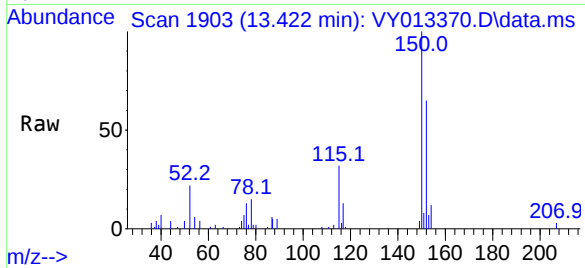




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

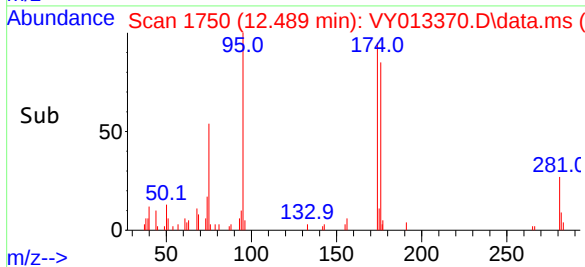
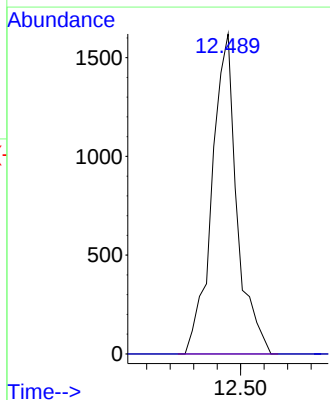
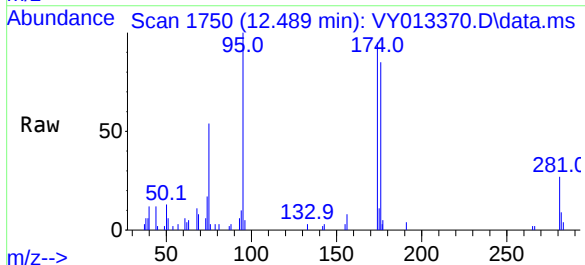
Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

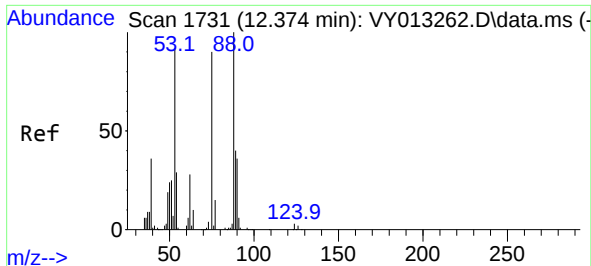
Tgt Ion:152 Resp: 5119
Ion Ratio Lower Upper
152 100
115 50.0 27.1 81.3
150 165.9 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 37.547 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion: 75 Resp: 2395
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

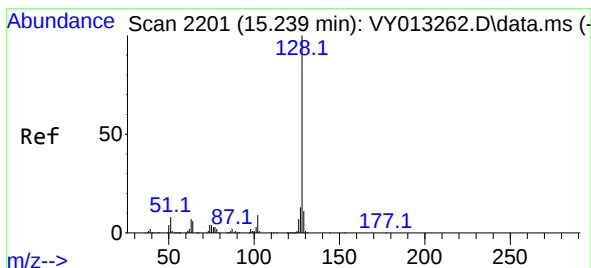
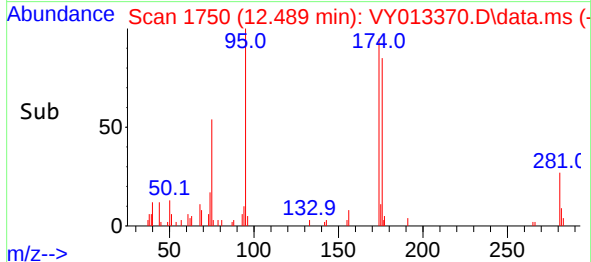
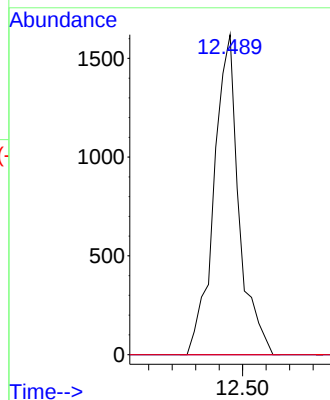
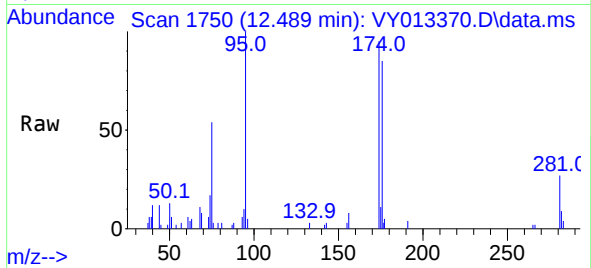




#81
trans-1,4-Dichloro-2-butene
Concen: 77.929 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.116 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
SB-20-8.0-8.5RE

Tgt Ion: 75 Resp: 2395
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.851 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013370.D
Acq: 20 Apr 2023 16:00

Tgt Ion:128 Resp: 155
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

