

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081422\
 Data File : VY010013.D
 Acq On : 14 Aug 2022 21:24
 Operator : KP/MD
 Sample : N4189-15
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB12

Quant Time: Aug 15 00:42:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

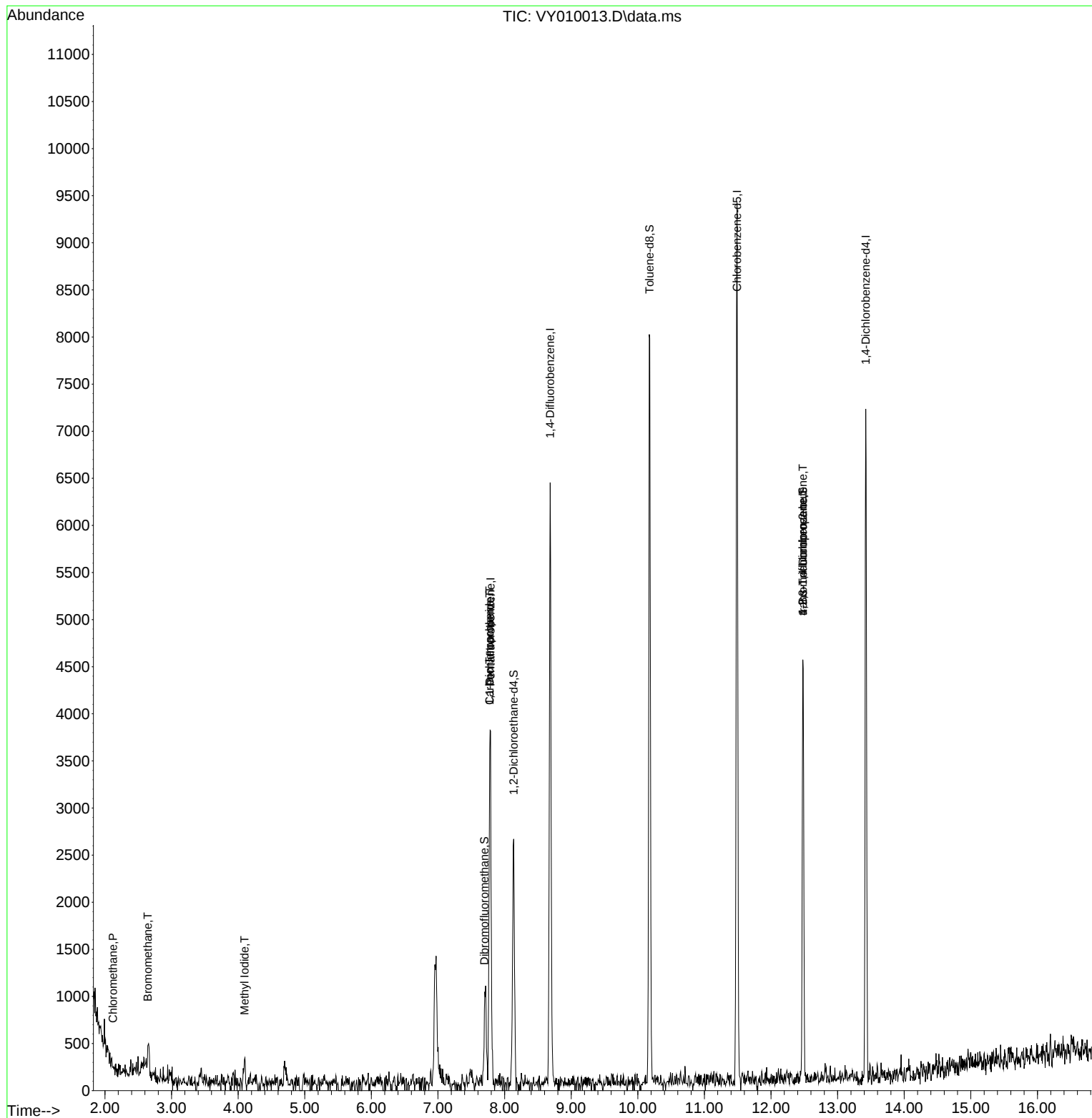
Internal Standards						
1) Pentafluorobenzene	7.789	168	3402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	6093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1983	57.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.920%	
35) Dibromofluoromethane	7.697	113	971	26.038	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 52.080%#	
50) Toluene-d8	10.179	98	6027	42.180	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.360%	
62) 4-Bromofluorobenzene	12.477	95	1795	34.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 68.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	67	2.987	ug/l #	40
5) Bromomethane	2.643	94	215	10.688	ug/l #	66
10) Methyl Iodide	4.094	142	387	8.598	ug/l #	55
20) Methylene Chloride	4.698	84	134	Below Cal	#	63
36) 1,1-Dichloropropene	7.777	75	225	4.052	ug/l #	40
38) Carbon Tetrachloride	7.777	117	308	5.558	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	745	29.344	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	745	63.789	ug/l #	13

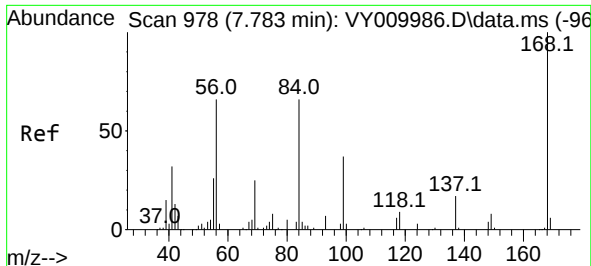
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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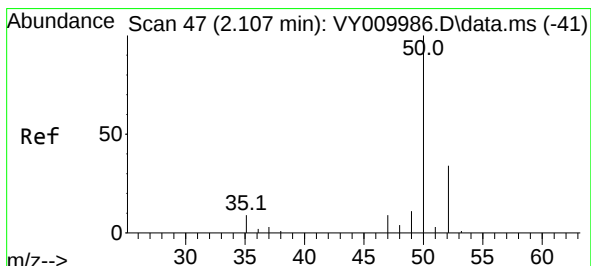
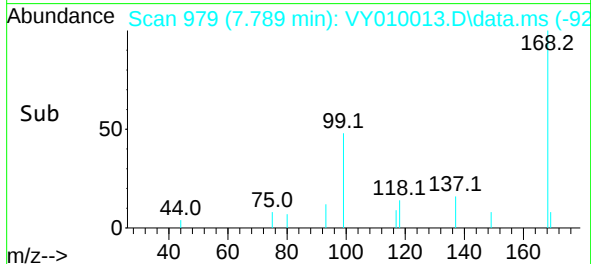
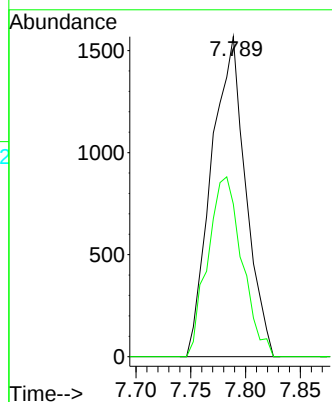
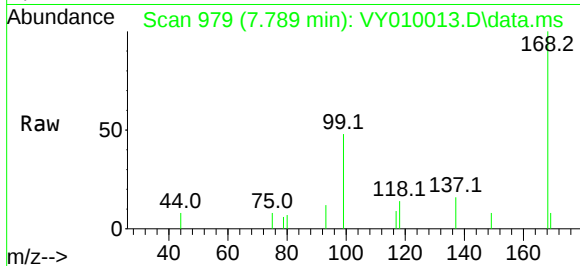




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

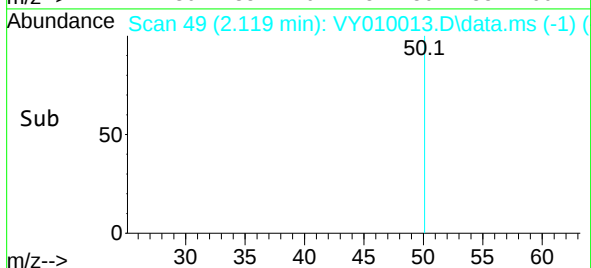
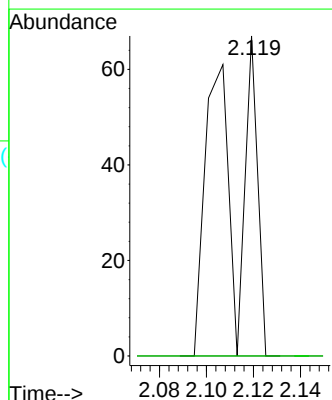
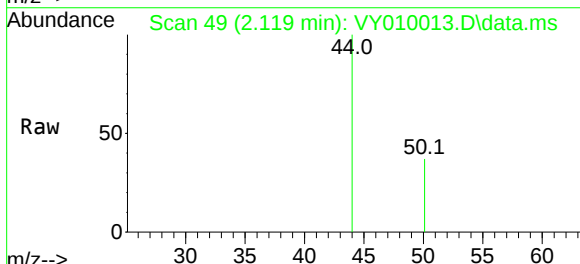
Instrument :
MSVOA_Y
ClientSampleId :
SB12

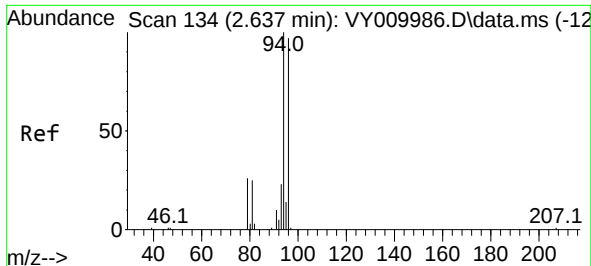
Tgt Ion:168 Resp: 3402
Ion Ratio Lower Upper
168 100
99 47.7 42.1 63.1



#3
Chloromethane
Concen: 2.987 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#

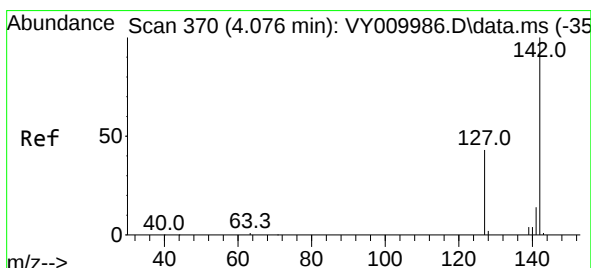
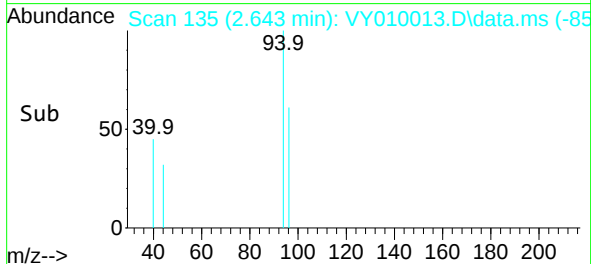
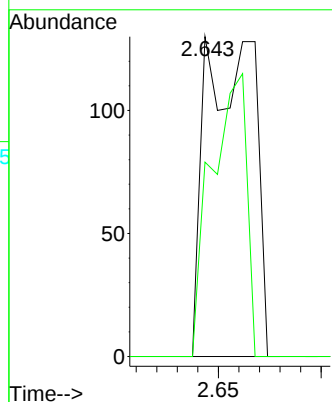
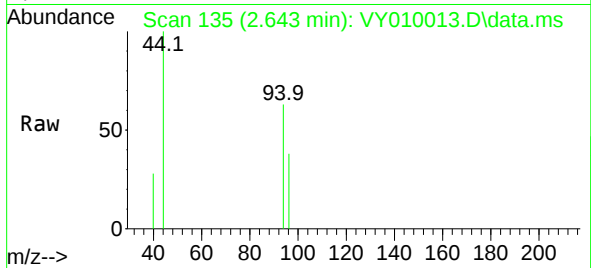




#5
Bromomethane
Concen: 10.688 ug/l
RT: 2.643 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

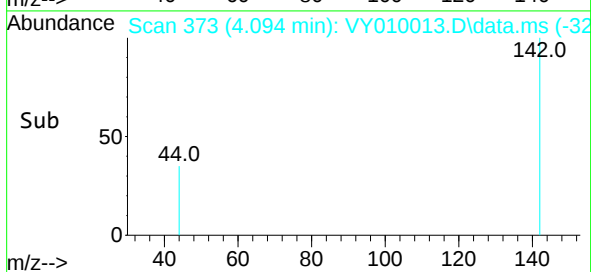
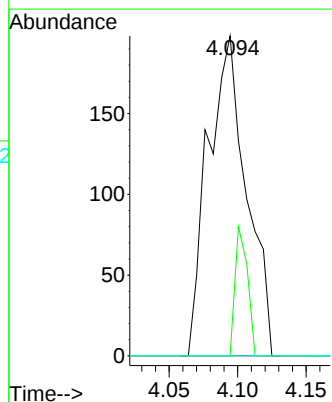
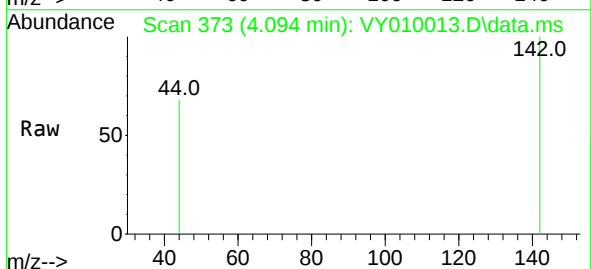
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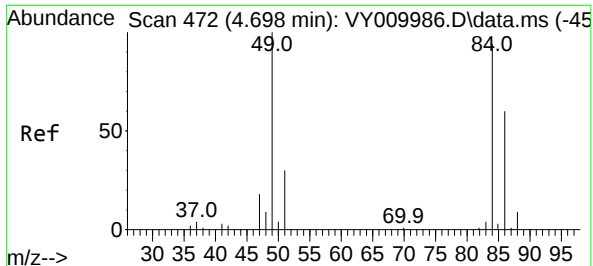
Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 60.8 74.6 111.8#



#10
Methyl Iodide
Concen: 8.598 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

Tgt Ion: 142 Resp: 387
Ion Ratio Lower Upper
142 100
127 12.9 35.2 52.8#
141 0.0 11.4 17.2#

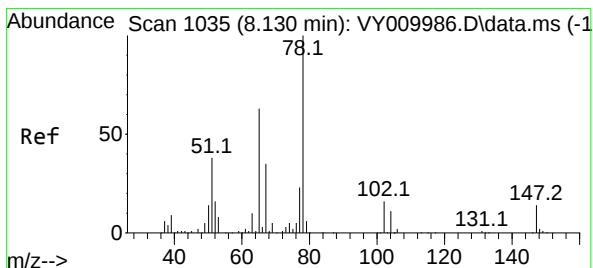
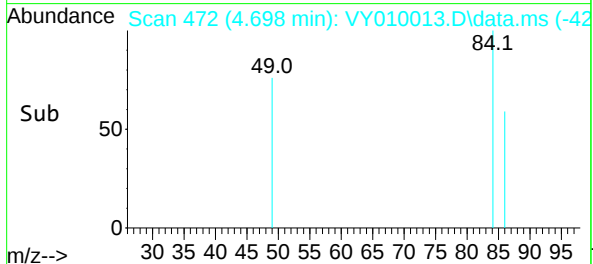
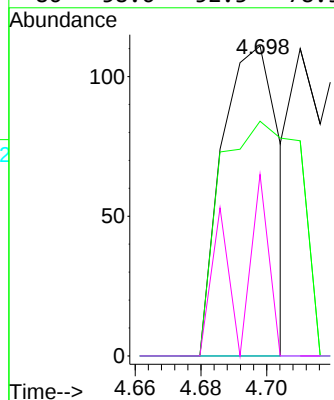
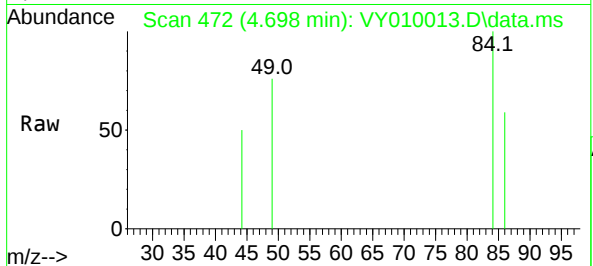




#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

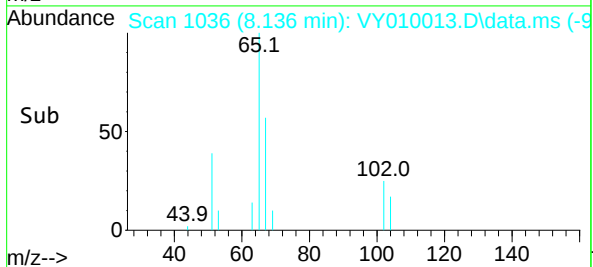
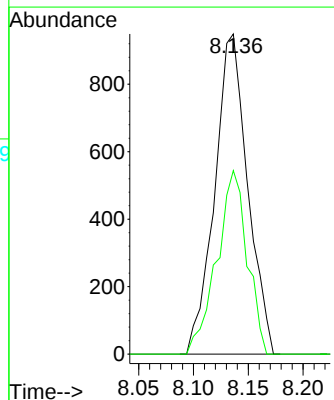
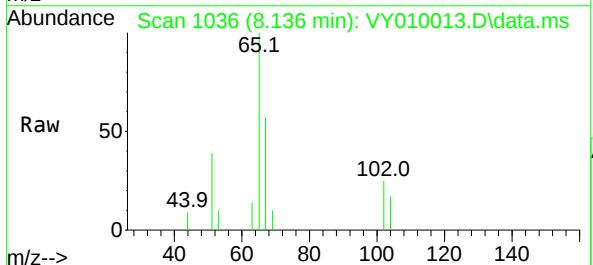
Instrument :
MSVOA_Y
ClientSampleId :
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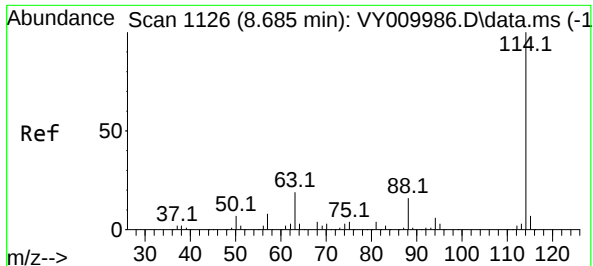
Tgt Ion:	84	Resp:	134
Ion	Ratio	Lower	Upper
84	100		
49	75.7	98.2	147.4#
51	0.0	33.4	50.0#
86	58.6	52.3	78.5



#33
1,2-Dichloroethane-d4
Concen: 57.462 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

Tgt Ion:	65	Resp:	1983
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010013.D

Acq: 14 Aug 2022 21:24

Instrument :

MSVOA_Y

ClientSampleId :

SB12

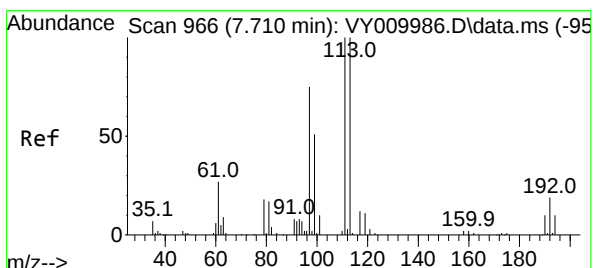
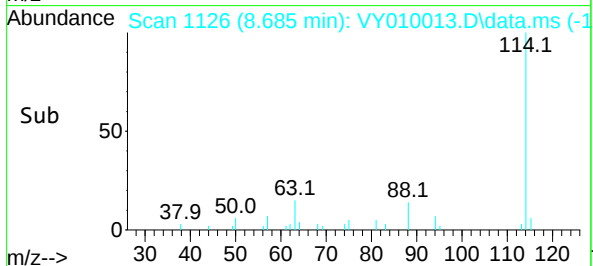
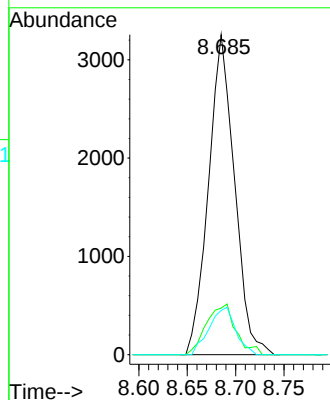
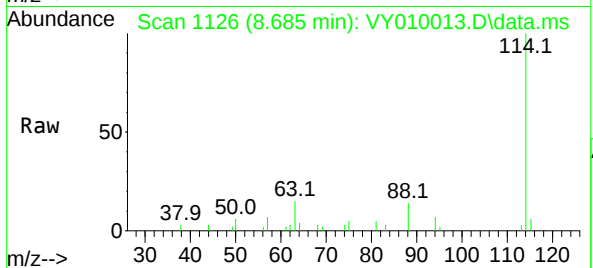
Tgt Ion:114 Resp: 6093

Ion Ratio Lower Upper

114 100

63 14.5 0.0 38.0

88 13.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 26.038 ug/l

RT: 7.697 min Scan# 964

Delta R.T. -0.012 min

Lab File: VY010013.D

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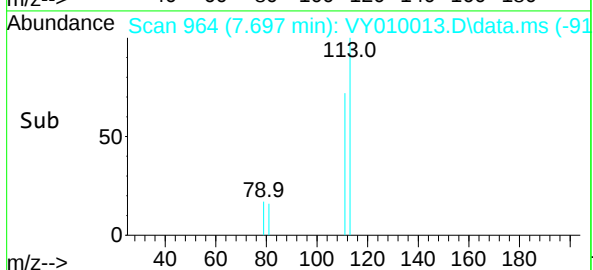
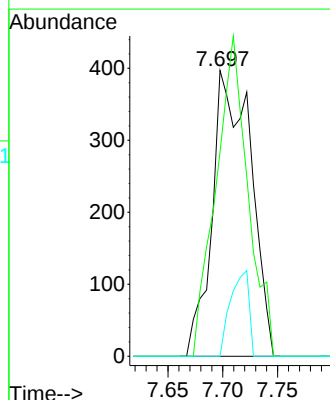
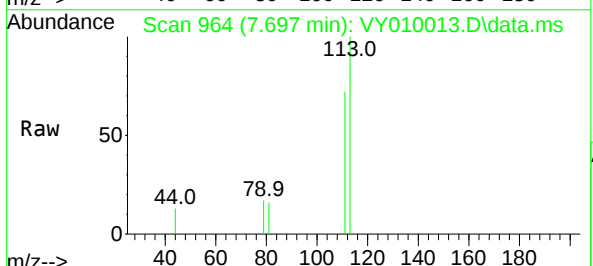
Tgt Ion:113 Resp: 971

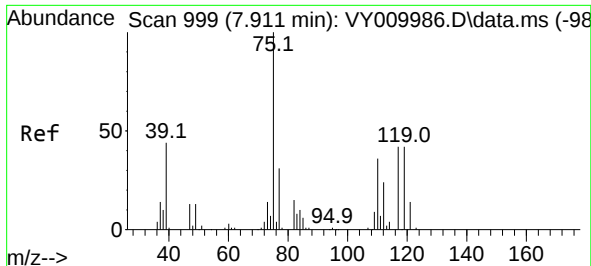
Ion Ratio Lower Upper

113 100

111 93.4 80.6 120.8

192 0.0 16.2 24.4#

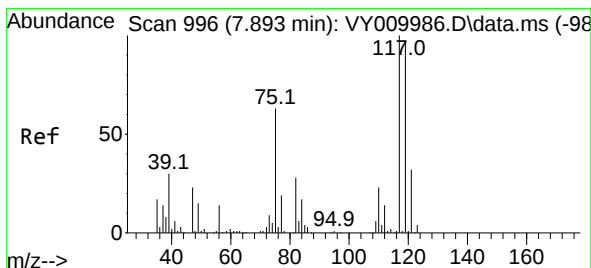
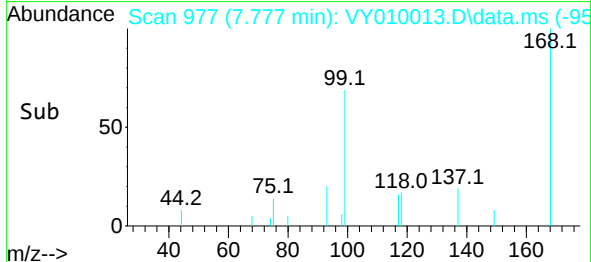
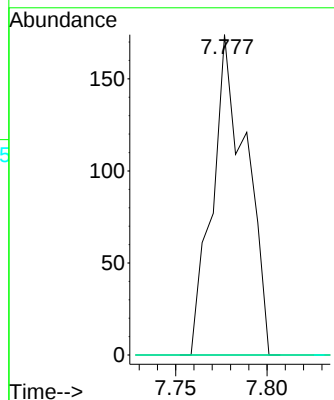
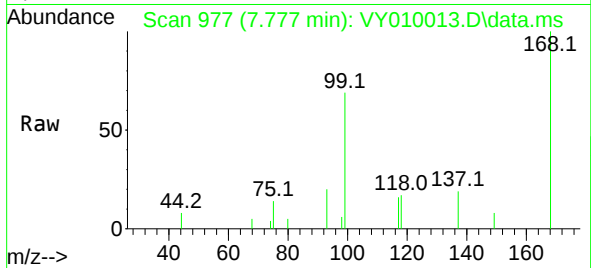




#36
1,1-Dichloropropene
Concen: 4.052 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

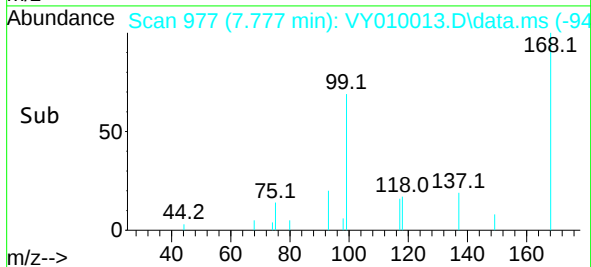
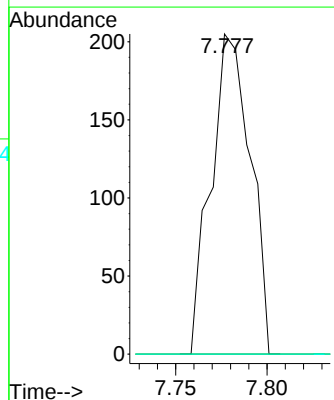
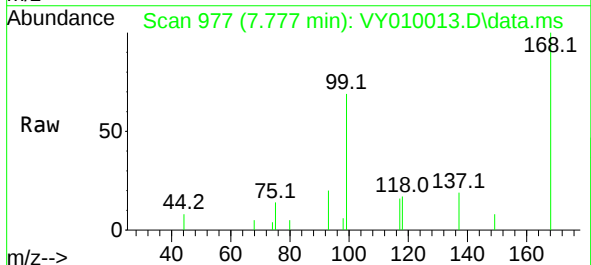
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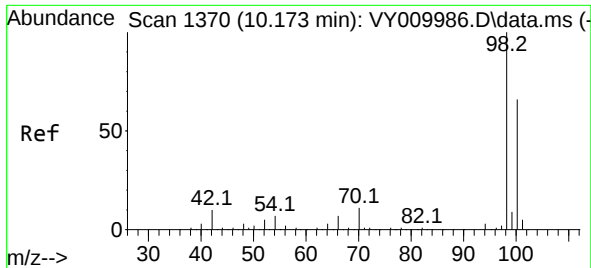
Tgt Ion: 75 Resp: 225
Ion Ratio Lower Upper
75 100
110 0.0 18.6 56.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

Tgt Ion: 117 Resp: 308
Ion Ratio Lower Upper
117 100
119 0.0 75.9 113.9#
121 0.0 24.9 37.3#

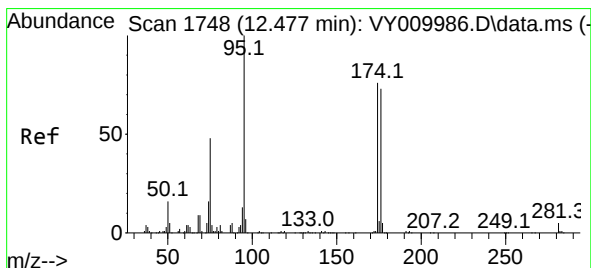
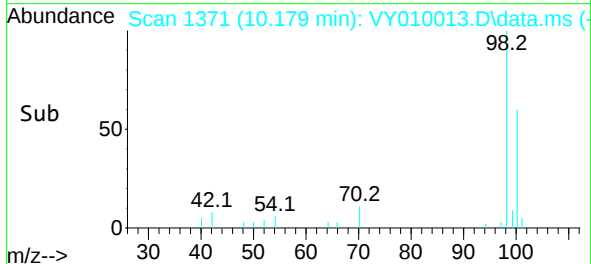
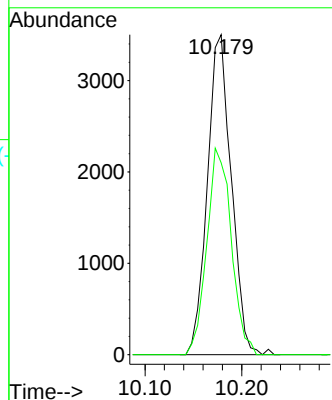
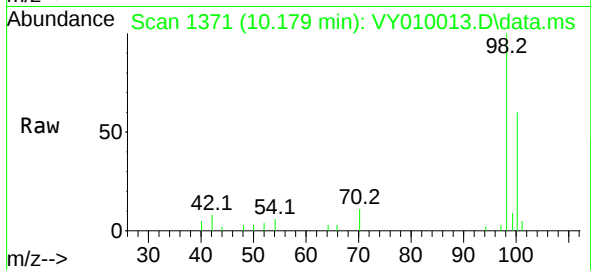




#50
Toluene-d8
Concen: 42.180 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

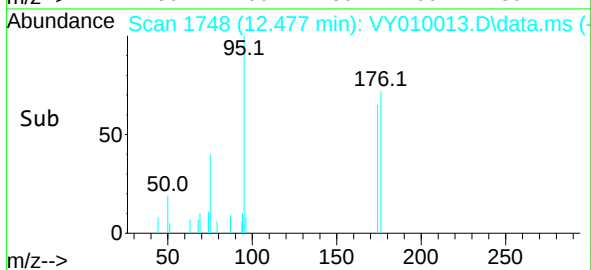
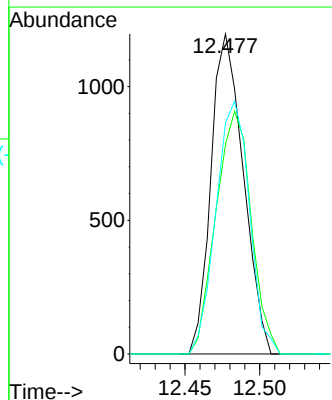
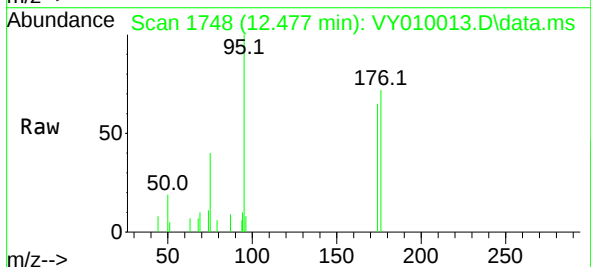
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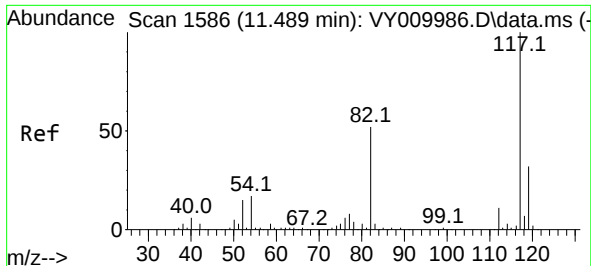
Tgt Ion: 98 Resp: 6027
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 34.287 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

Tgt Ion: 95 Resp: 1795
Ion Ratio Lower Upper
95 100
174 82.8 0.0 173.8
176 82.1 0.0 167.0

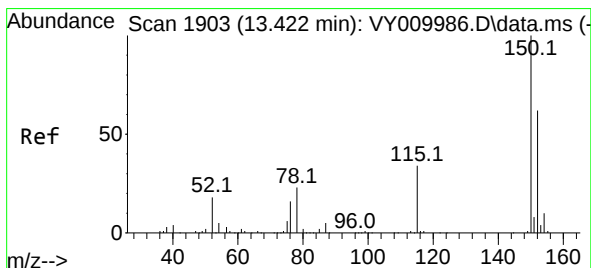
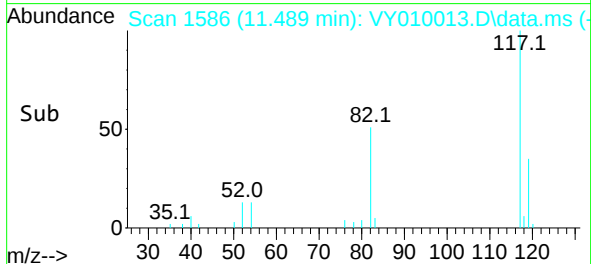
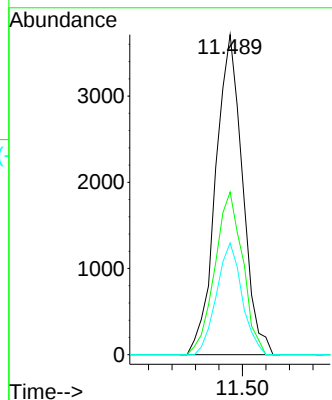
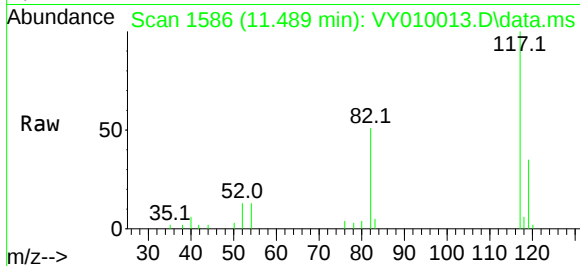




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

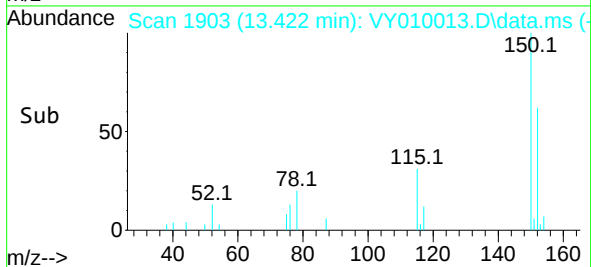
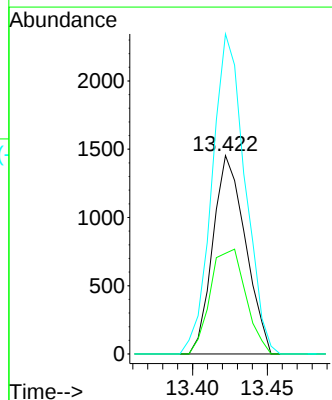
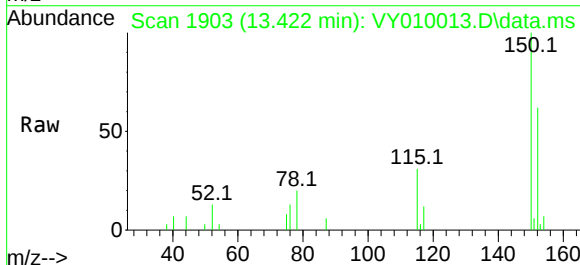
Instrument :
MSVOA_Y
ClientSampleId :
SB12

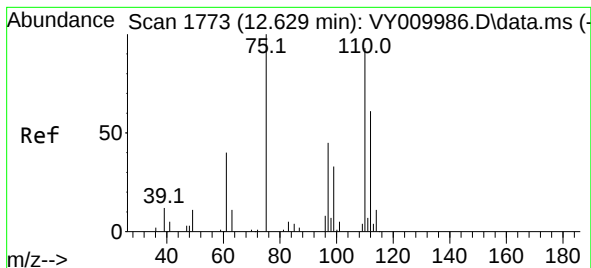
Tgt Ion:117 Resp: 5912
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.6
119 34.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010013.D
Acq: 14 Aug 2022 21:24

Tgt Ion:152 Resp: 2197
Ion Ratio Lower Upper
152 100
115 57.7 28.6 85.9
150 163.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.344 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010013.D

Acq: 14 Aug 2022 21:24

Instrument :

MSVOA_Y

ClientSampleId :

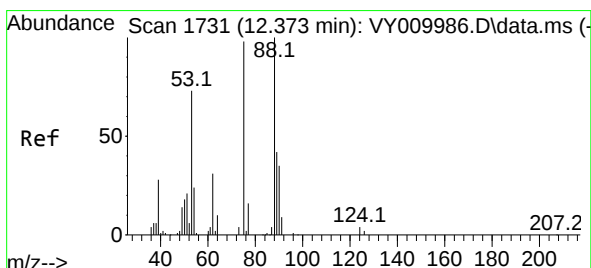
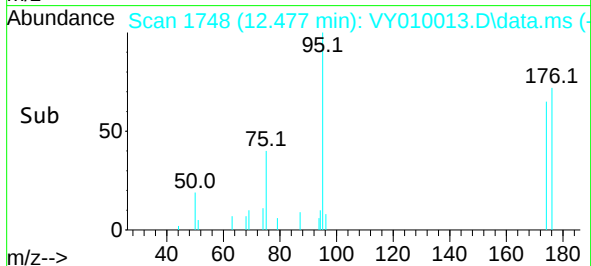
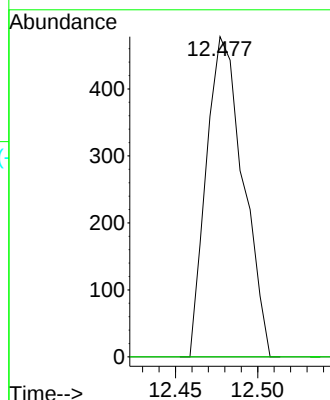
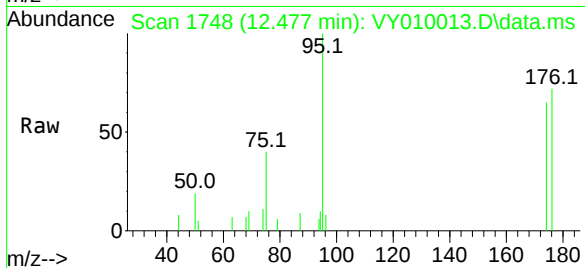
SB12

Tgt Ion: 75 Resp: 745

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 63.789 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY010013.D

Acq: 14 Aug 2022 21:24

Tgt Ion: 75 Resp: 745

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 38.1 57.1#

