

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019041.D
 Acq On : 13 Aug 2024 20:01
 Operator : SY/MD
 Sample : P3548-09
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 289

Quant Time: Aug 14 01:42:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

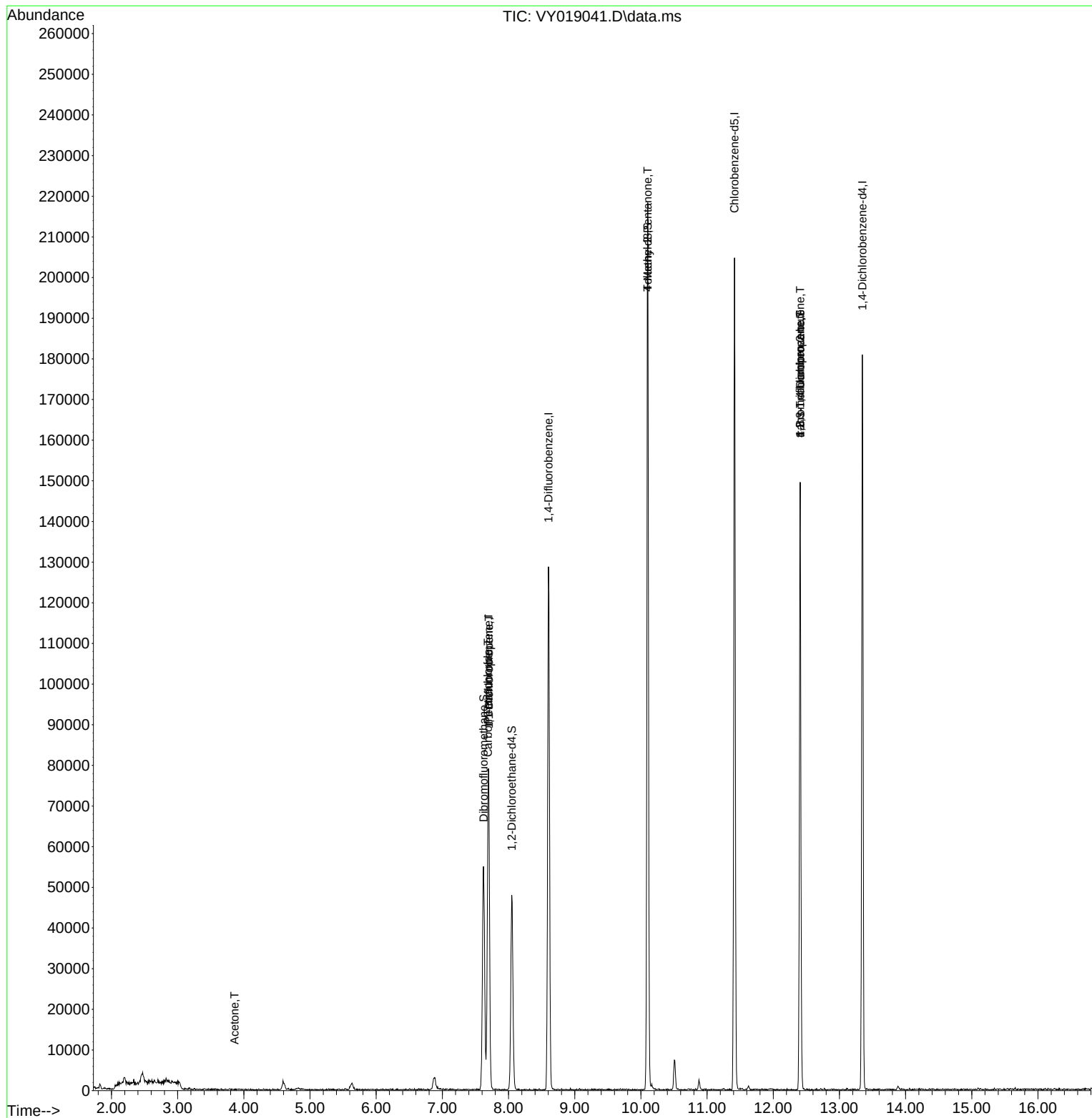
Internal Standards						
1) Pentafluorobenzene	7.695	168	64274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	110738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	98761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	41225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	29996	53.154	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.300%	
35) Dibromofluoromethane	7.622	113	34336	48.547	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.100%	
50) Toluene-d8	10.103	98	131127	48.268	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	12.408	95	34445	42.737	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.227	50	54	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	230	Below Cal	#	88
16) Acetone	3.860	43	20	12.657	ug/l #	36
20) Methylene Chloride	4.592	84	1191	Below Cal	#	74
31) Cyclohexane	7.683	56	1703	Below Cal	#	81
36) 1,1-Dichloropropene	7.701	75	4836	5.094	ug/l #	49
38) Carbon Tetrachloride	7.689	117	5619	5.162	ug/l #	16
41) Methacrylonitrile	7.213	41	47	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.103	43	861	1.892	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	20851	67.892	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	20851	139.898	ug/l #	16

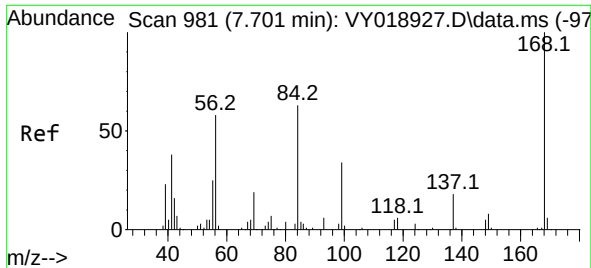
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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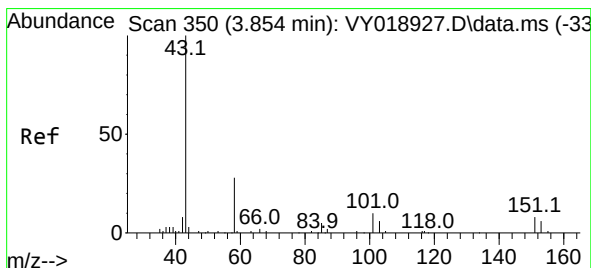
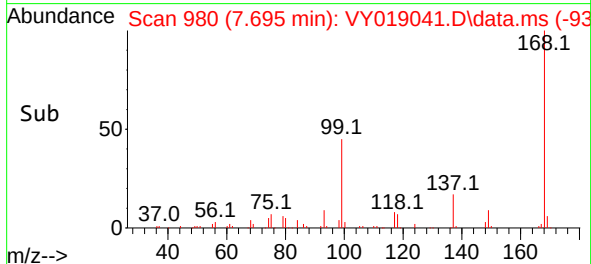
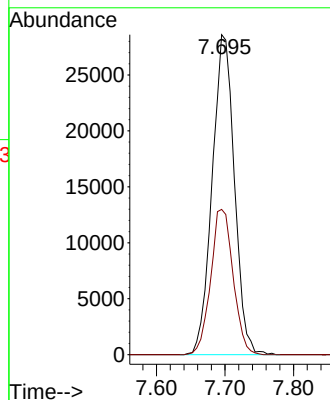
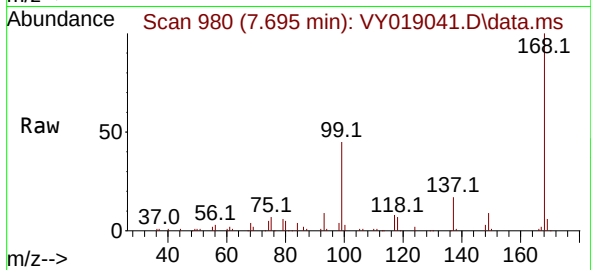




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

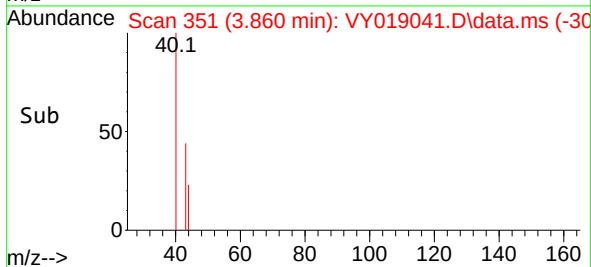
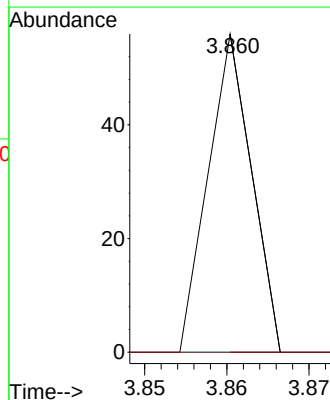
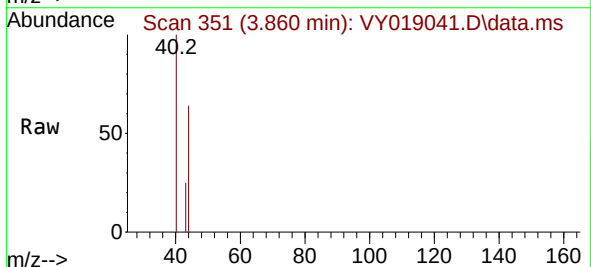
Instrument :
MSVOA_Y
ClientSampleId :
289

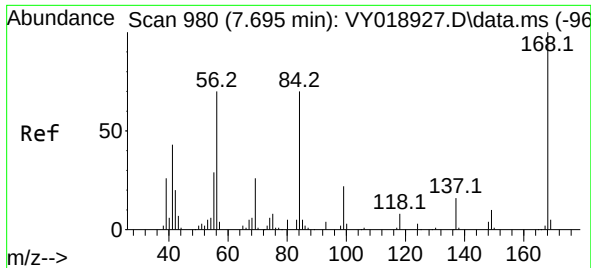
Tgt Ion:168 Resp: 64274
Ion Ratio Lower Upper
168 100
99 45.4 39.1 58.7



#16
Acetone
Concen: 12.657 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

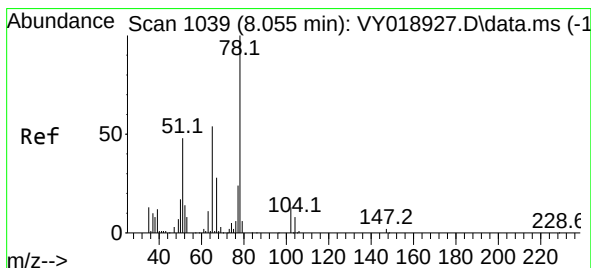
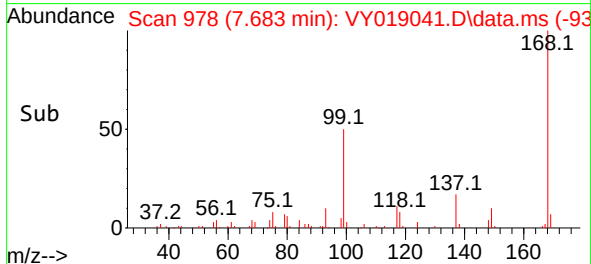
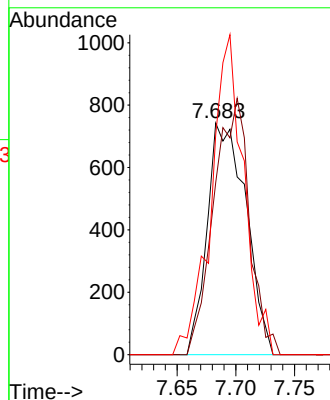
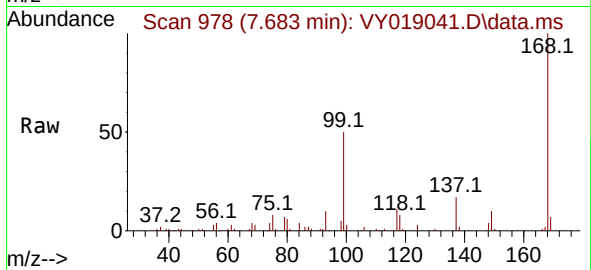




#31
Cyclohexane
Concen: Below Cal
RT: 7.683 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

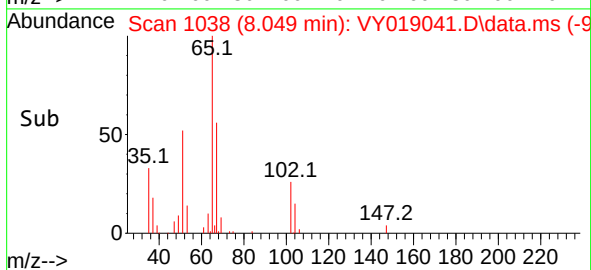
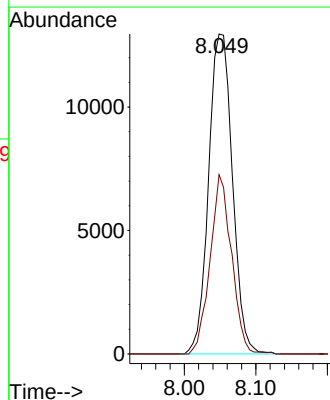
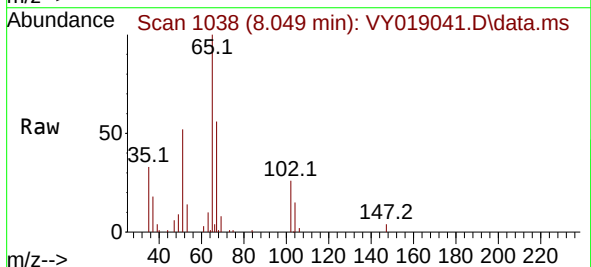
Instrument :
MSVOA_Y
ClientSampleId :
289

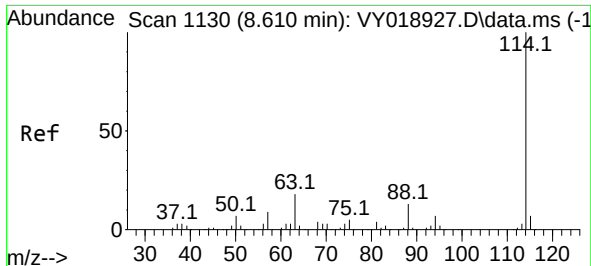
Tgt Ion: 56 Resp: 1703
Ion Ratio Lower Upper
56 100
69 74.3 28.7 43.1#
84 95.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 53.154 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

Tgt Ion: 65 Resp: 29996
Ion Ratio Lower Upper
65 100
67 50.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019041.D

Acq: 13 Aug 2024 20:01

Instrument :

MSVOA_Y

ClientSampleId :

289

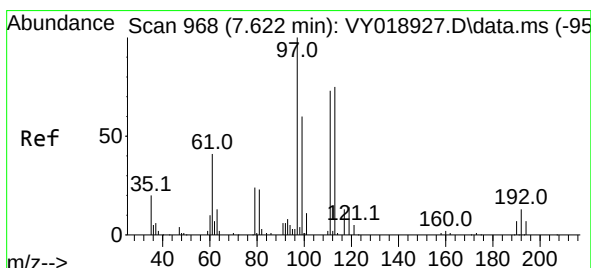
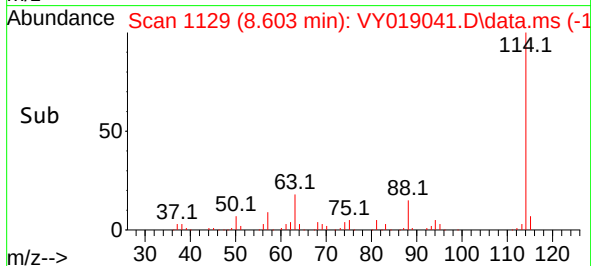
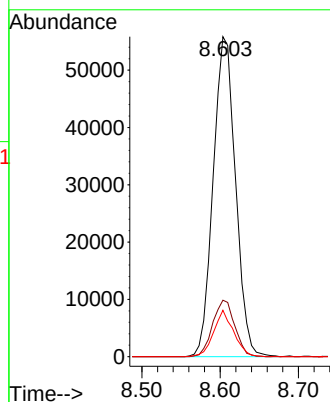
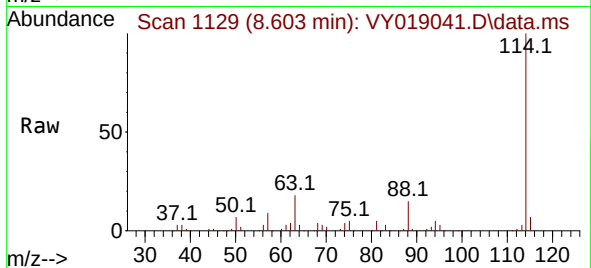
Tgt Ion:114 Resp: 110738

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.547 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019041.D

Acq: 13 Aug 2024 20:01

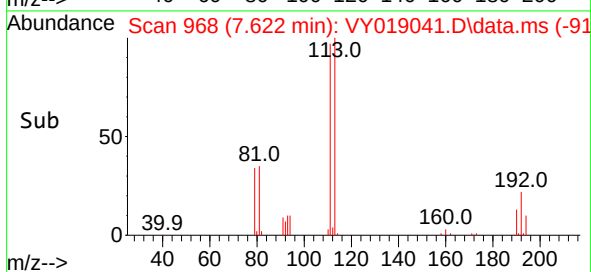
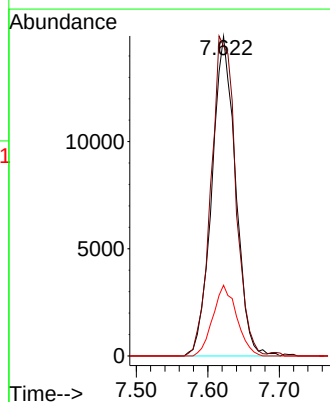
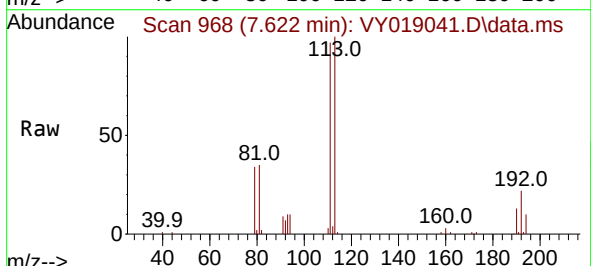
Tgt Ion:113 Resp: 34336

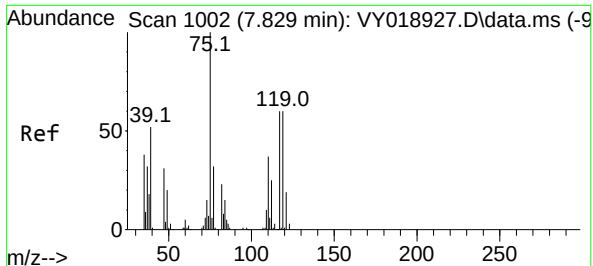
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 22.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.094 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019041.D

Acq: 13 Aug 2024 20:01

Instrument :

MSVOA_Y

ClientSampleId :

289

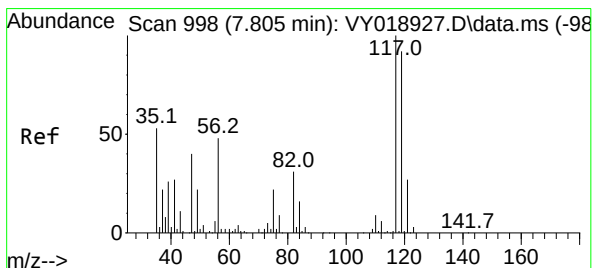
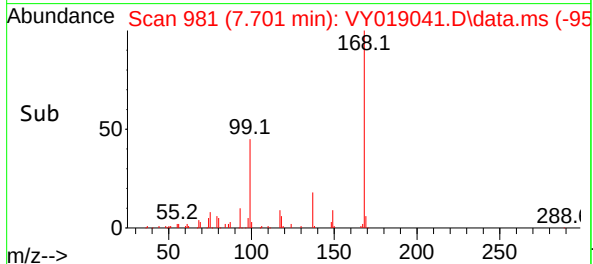
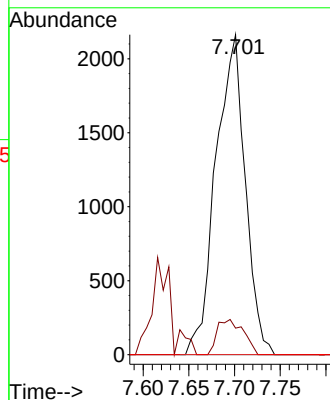
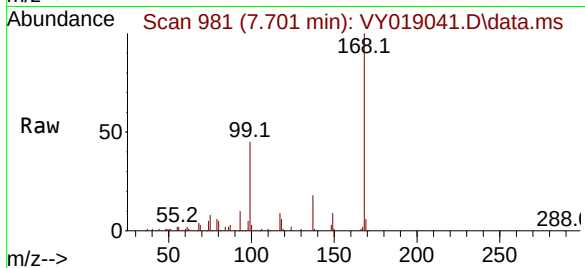
Tgt Ion: 75 Resp: 4836

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.162 ug/l

RT: 7.689 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY019041.D

Acq: 13 Aug 2024 20:01

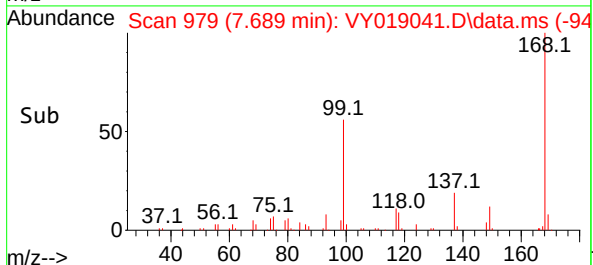
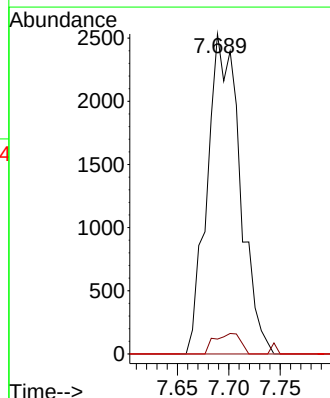
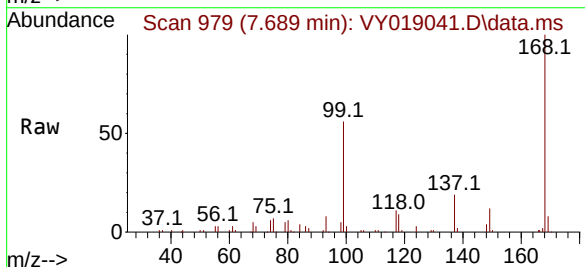
Tgt Ion: 117 Resp: 5619

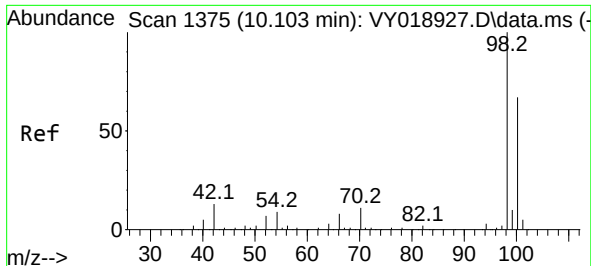
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.0 36.0#

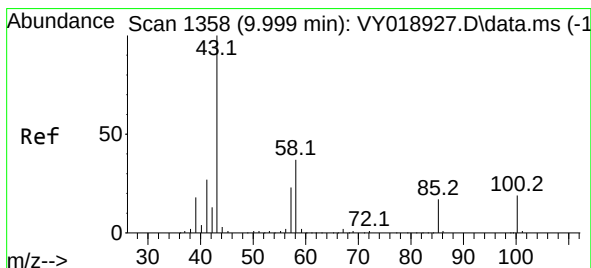
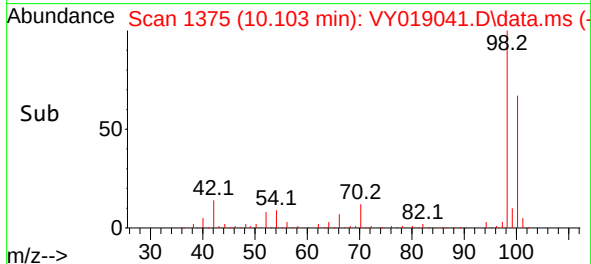
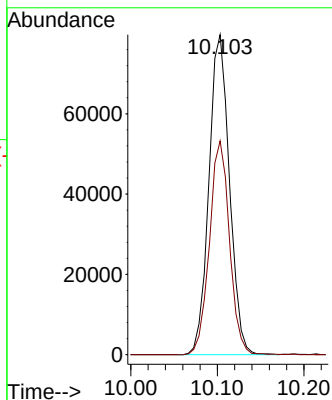
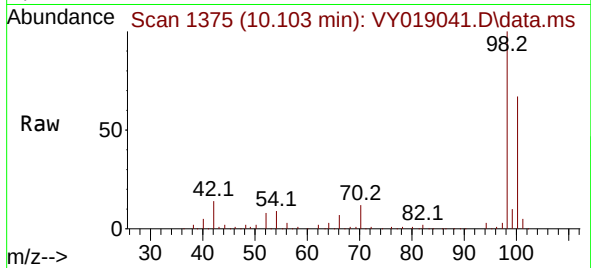




#50
Toluene-d8
Concen: 48.268 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

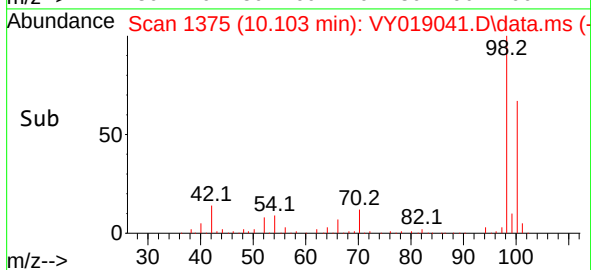
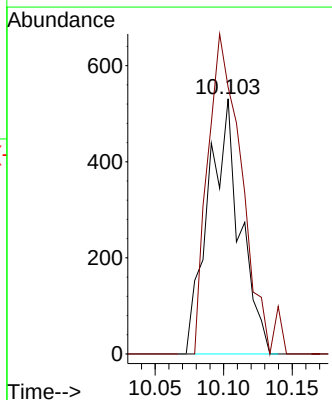
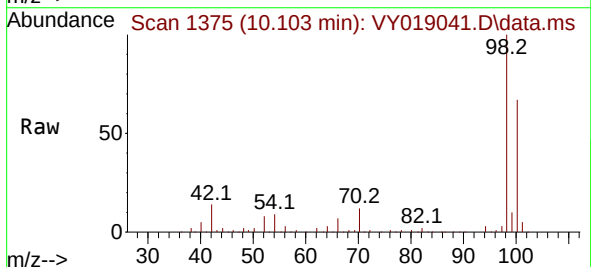
Instrument :
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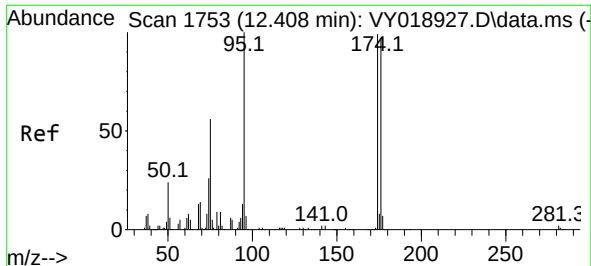
Tgt Ion: 98 Resp: 131127
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.892 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 134.7 35.7 53.5#

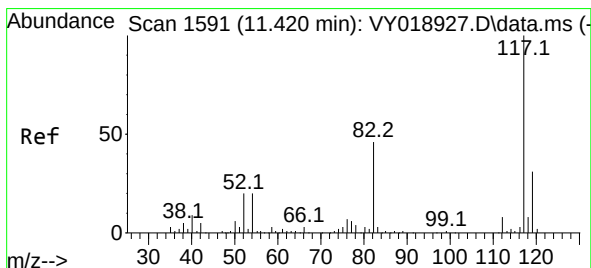
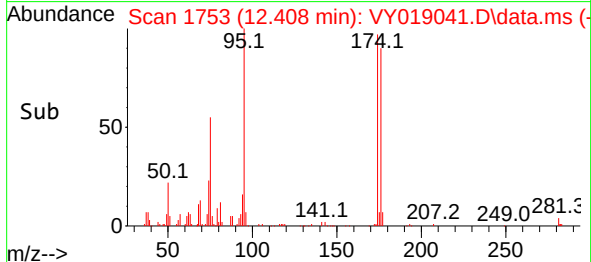
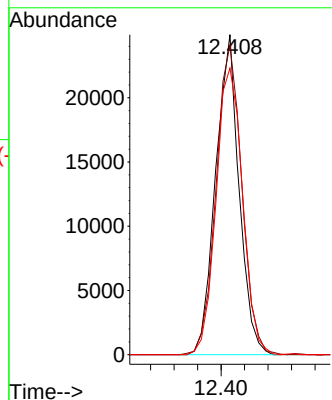
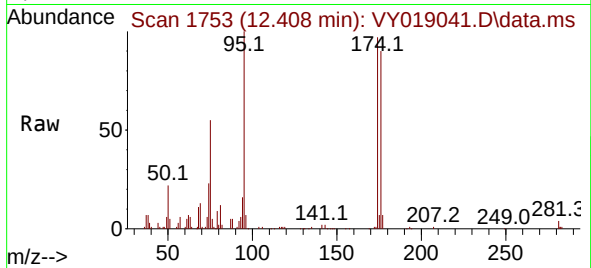




#62
4-Bromofluorobenzene
Concen: 42.737 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

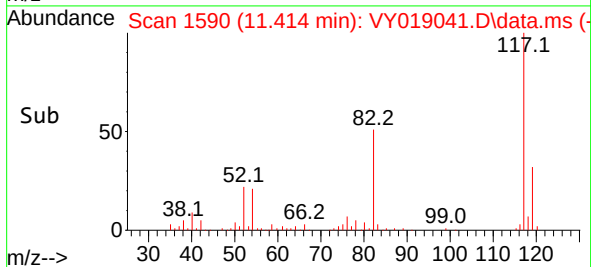
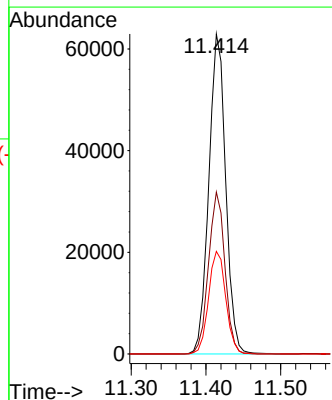
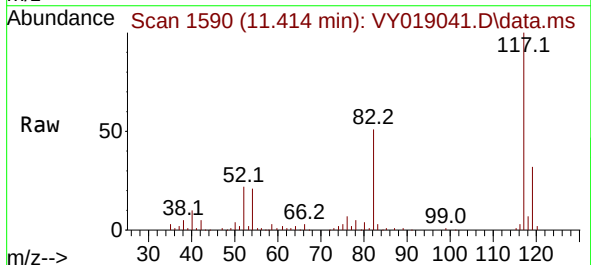
Instrument :
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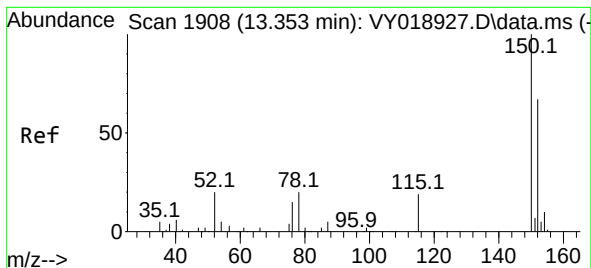
Tgt Ion: 95 Resp: 34445
Ion Ratio Lower Upper
95 100
174 106.3 0.0 175.6
176 101.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

Tgt Ion: 117 Resp: 98761
Ion Ratio Lower Upper
117 100
82 50.6 42.4 63.6
119 32.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY019041.D

Acq: 13 Aug 2024 20:01

Instrument :

MSVOA_Y

ClientSampleId :

289

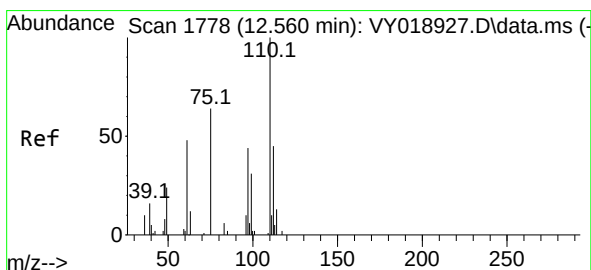
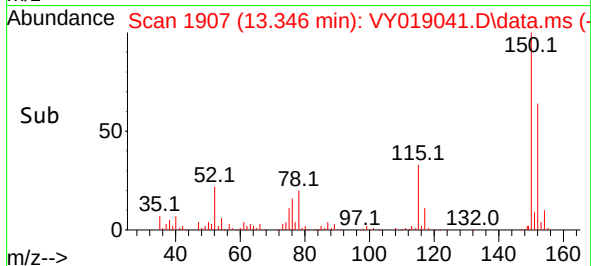
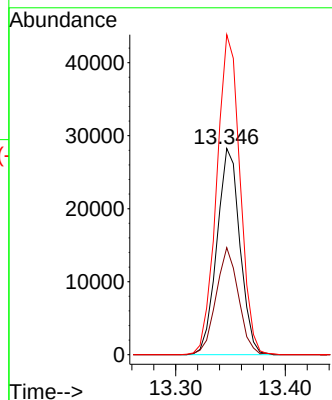
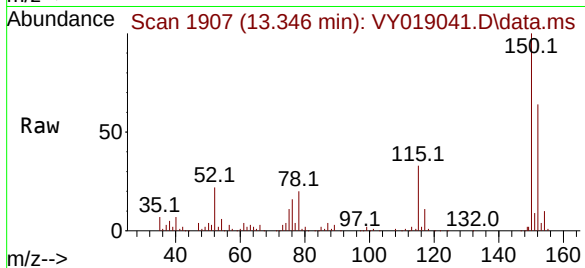
Tgt Ion:152 Resp: 41225

Ion Ratio Lower Upper

152 100

115 50.7 28.2 84.7

150 157.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.892 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019041.D

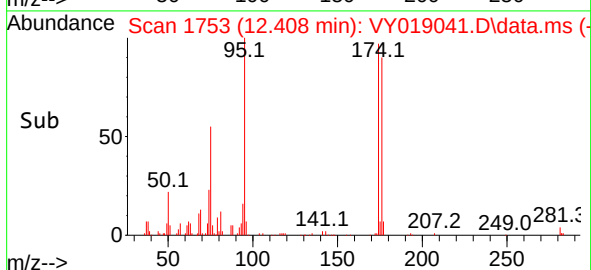
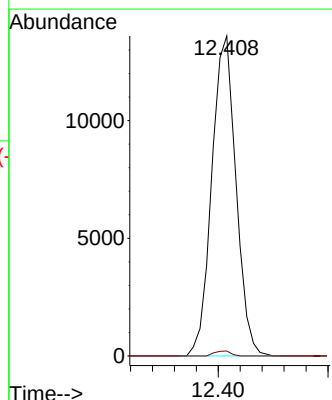
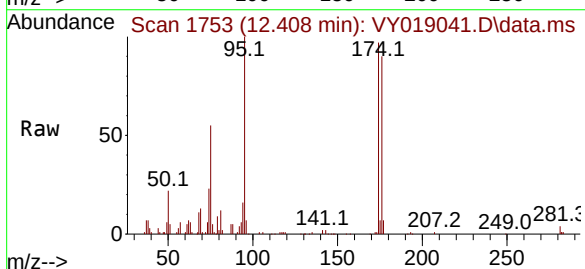
Acq: 13 Aug 2024 20:01

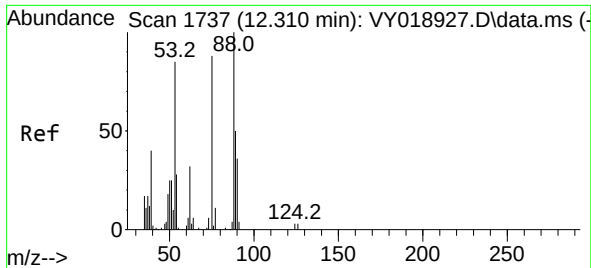
Tgt Ion: 75 Resp: 20851

Ion Ratio Lower Upper

75 100

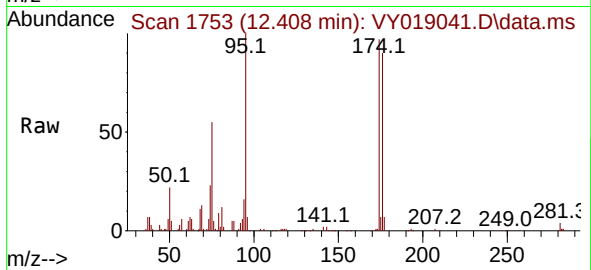
77 1.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 139.898 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019041.D
Acq: 13 Aug 2024 20:01

Instrument :
MSVOA_Y
ClientSampleId :
289



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

