

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019039.D
 Acq On : 13 Aug 2024 19:12
 Operator : SY/MD
 Sample : P3548-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 01:41:39 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)

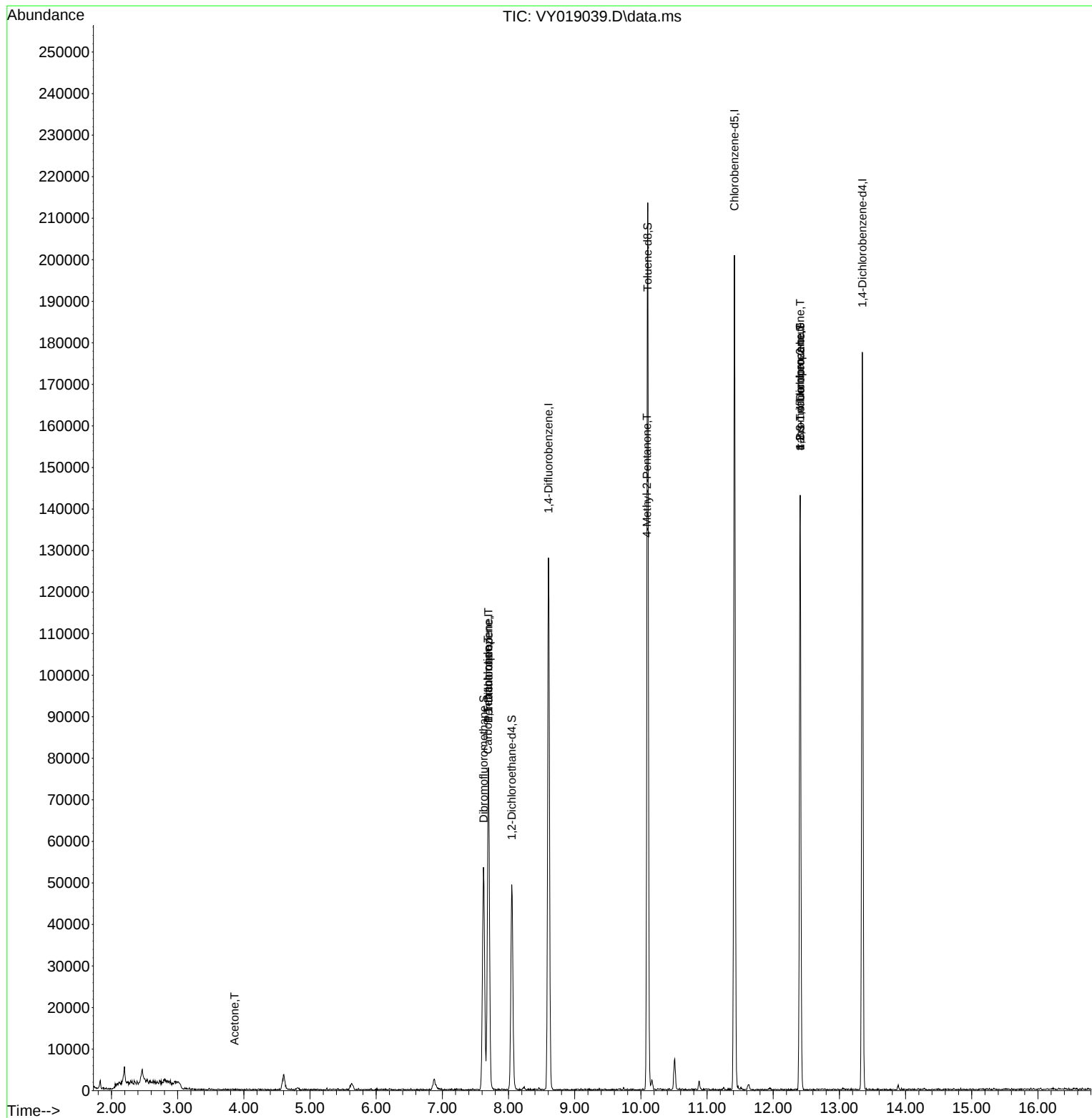
Internal Standards						
1) Pentafluorobenzene	7.695	168	62392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	105781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	95502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	40422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	30283	55.281	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.560%	
35) Dibromofluoromethane	7.622	113	33539	49.643	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.103	98	127072	48.967	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.940%	
62) 4-Bromofluorobenzene	12.408	95	33054	42.933	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	88	Below Cal	#	43
11) Tert butyl alcohol	4.824	59	257	Below Cal	#	88
16) Acetone	3.860	43	55	12.895	ug/l #	36
20) Methylene Chloride	4.604	84	2111	Below Cal		96
31) Cyclohexane	7.695	56	1623	Below Cal	#	44
36) 1,1-Dichloropropene	7.695	75	4699	5.181	ug/l #	50
38) Carbon Tetrachloride	7.689	117	5696	5.478	ug/l #	14
41) Methacrylonitrile	7.207	41	20	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.091	43	563	1.295	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	19224	63.838	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	19224	131.544	ug/l #	16

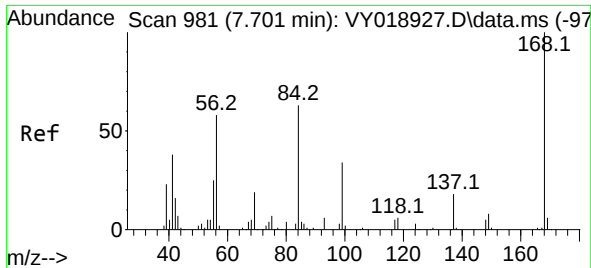
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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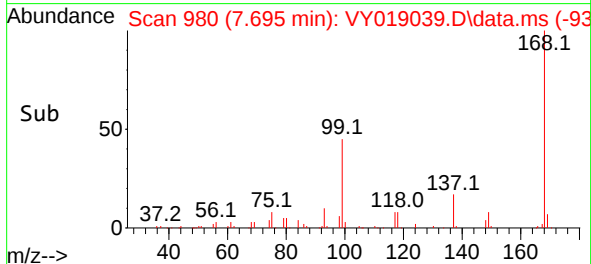
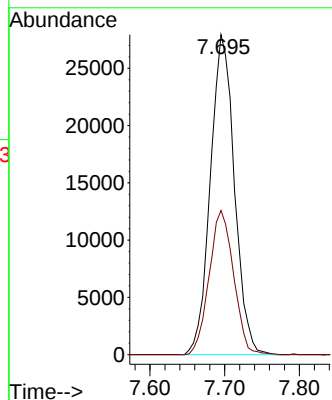
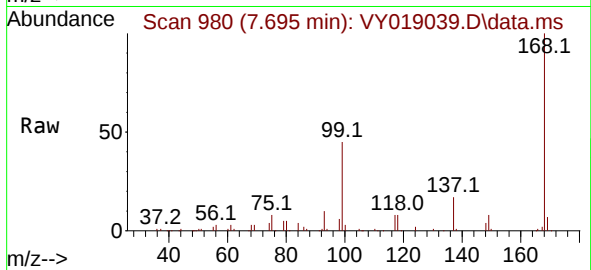




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019039.D
Acq: 13 Aug 2024 19:12

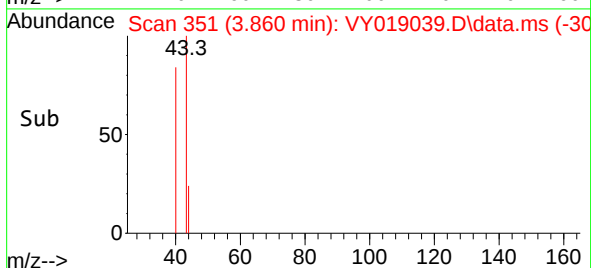
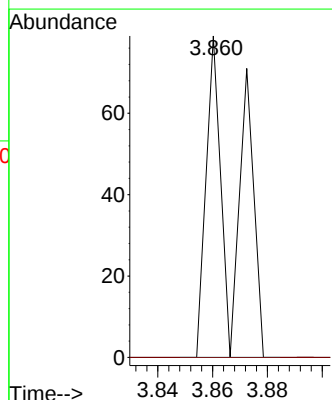
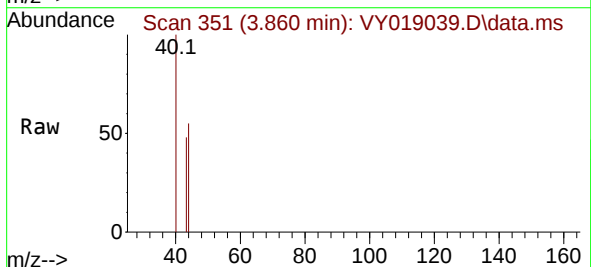
Instrument :
MSVOA_Y
ClientSampleId :

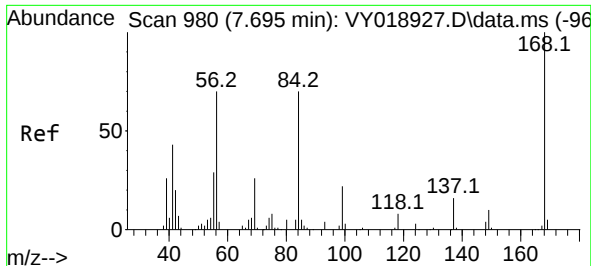
Tgt Ion:168 Resp: 62392
Ion Ratio Lower Upper
168 100
99 45.0 39.1 58.7



#16
Acetone
Concen: 12.895 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019039.D
Acq: 13 Aug 2024 19:12

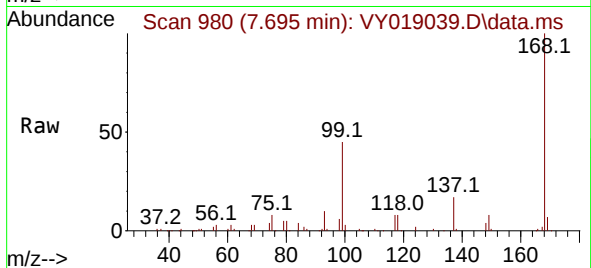
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



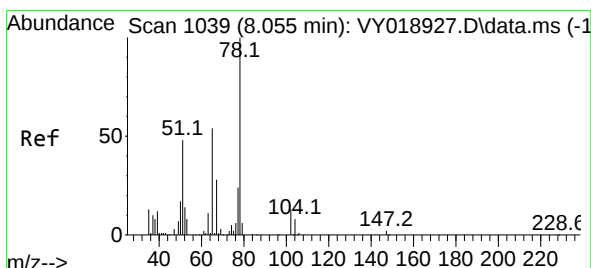
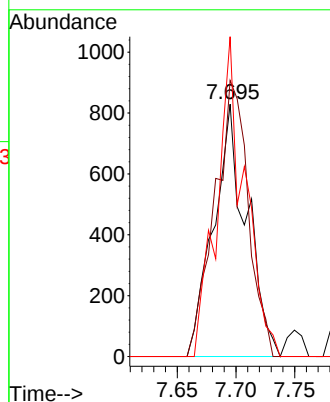
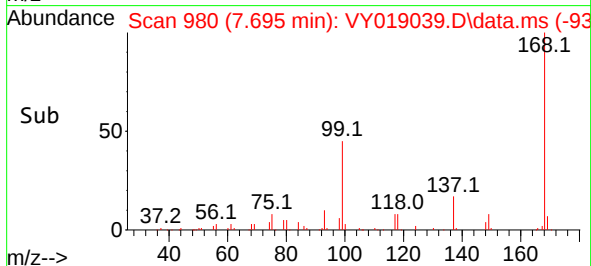


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019039.D
Acq: 13 Aug 2024 19:12

Instrument :
MSVOA_Y
ClientSampleId :

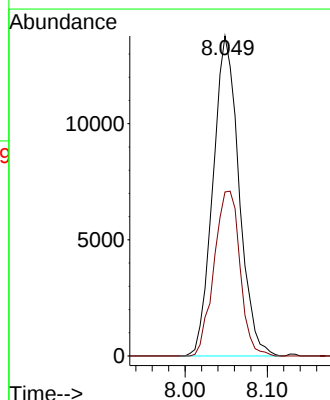
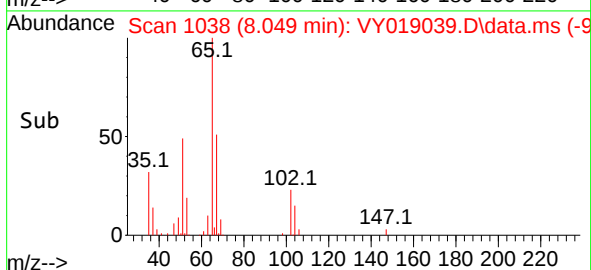
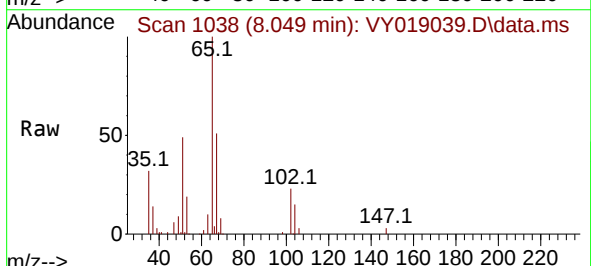


Tgt Ion: 56 Resp: 1623
Ion Ratio Lower Upper
56 100
69 109.4 28.7 43.1#
84 126.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 55.281 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019039.D
Acq: 13 Aug 2024 19:12

Tgt Ion: 65 Resp: 30283
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019039.D

Acq: 13 Aug 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

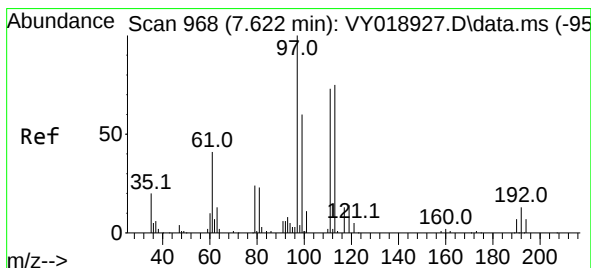
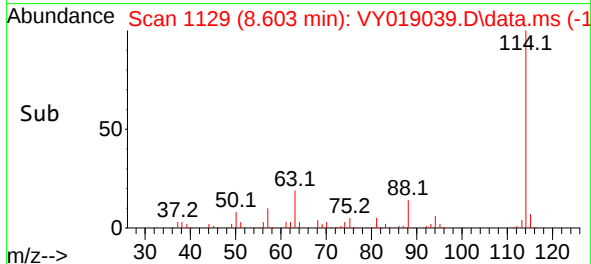
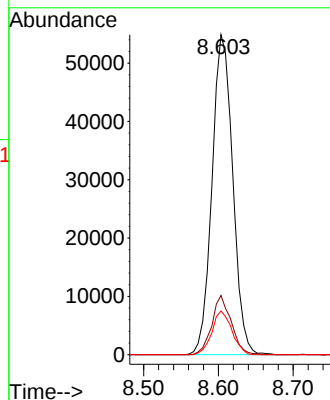
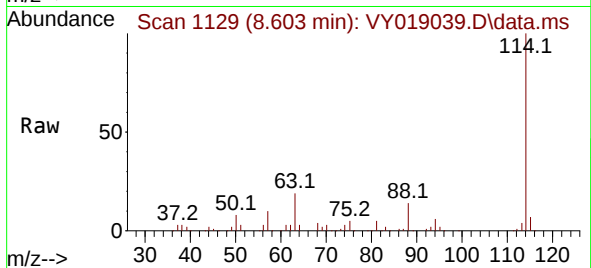
Tgt Ion:114 Resp: 105781

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.643 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019039.D

Acq: 13 Aug 2024 19:12

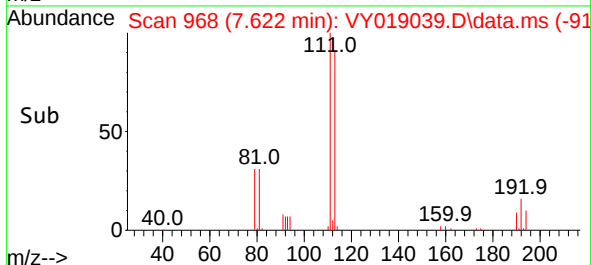
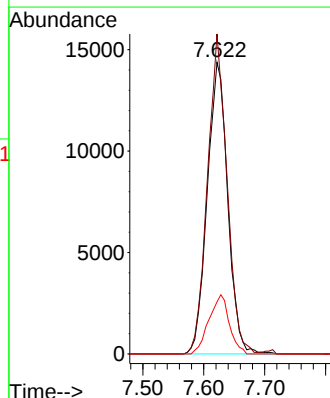
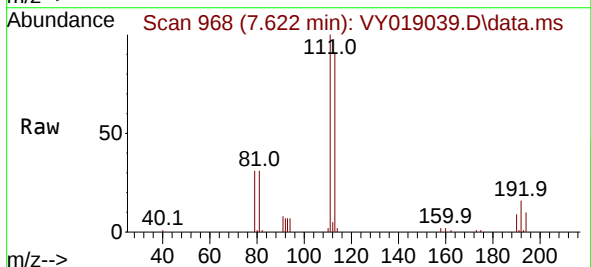
Tgt Ion:113 Resp: 33539

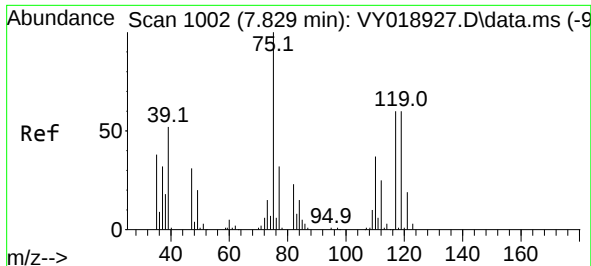
Ion Ratio Lower Upper

113 100

111 104.8 82.2 123.4

192 20.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019039.D

Acq: 13 Aug 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

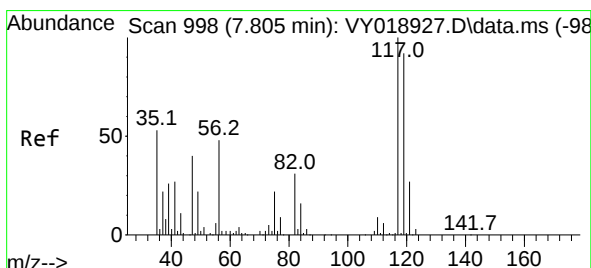
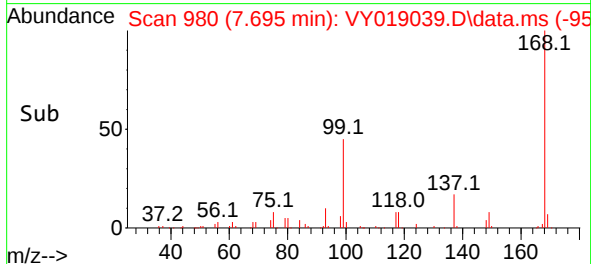
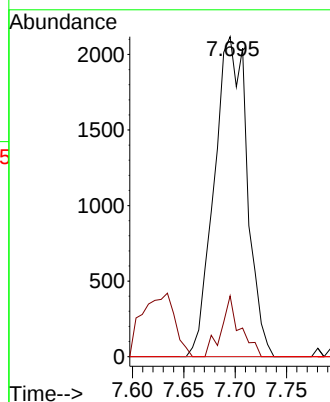
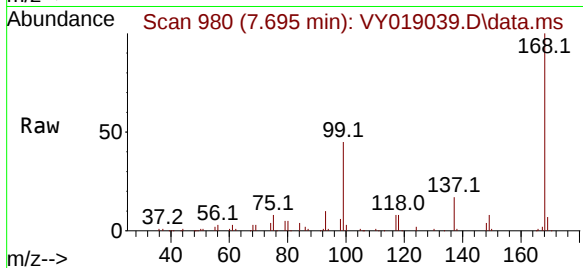
Tgt Ion: 75 Resp: 4699

Ion Ratio Lower Upper

75 100

110 10.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.478 ug/l

RT: 7.689 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY019039.D

Acq: 13 Aug 2024 19:12

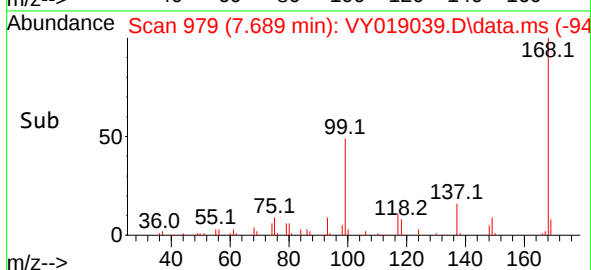
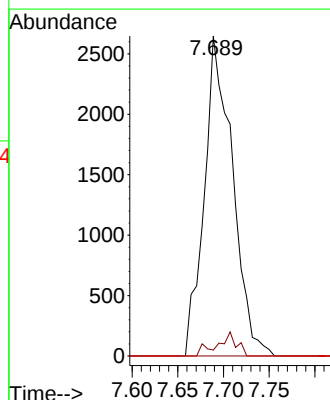
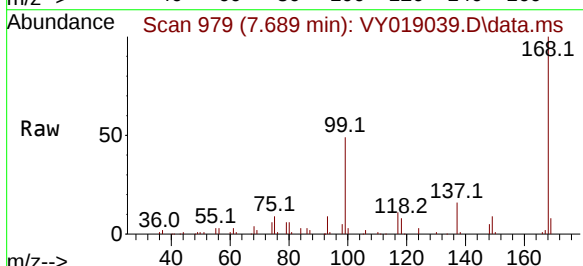
Tgt Ion: 117 Resp: 5696

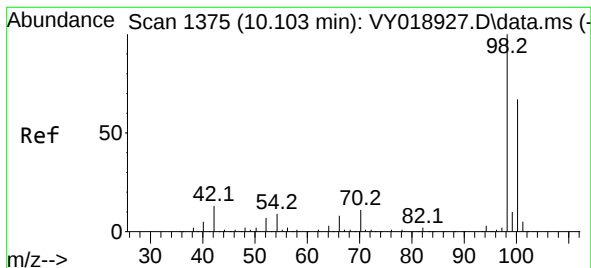
Ion Ratio Lower Upper

117 100

119 1.9 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.967 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019039.D

Acq: 13 Aug 2024 19:12

Instrument :

MSVOA_Y

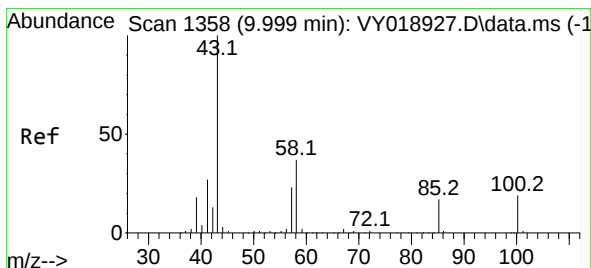
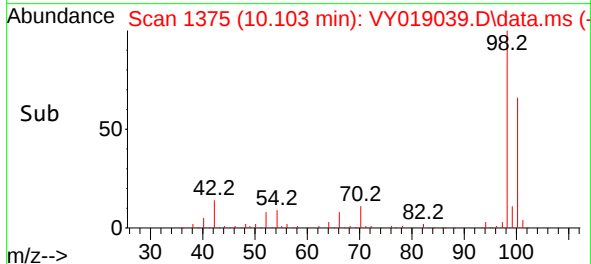
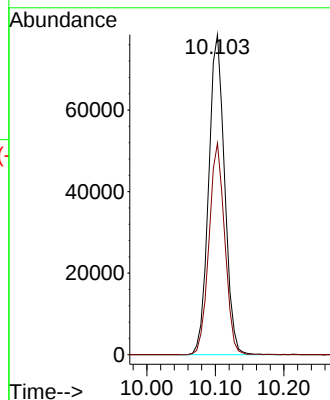
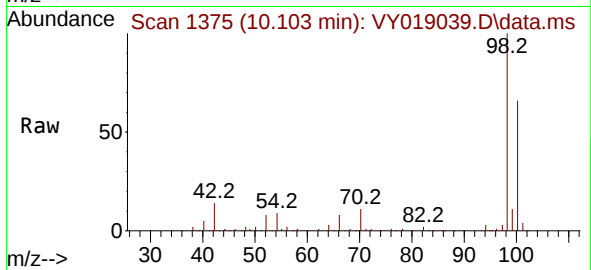
ClientSampleId :

Tgt Ion: 98 Resp: 127072

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.295 ug/l

RT: 10.091 min Scan# 1373

Delta R.T. 0.091 min

Lab File: VY019039.D

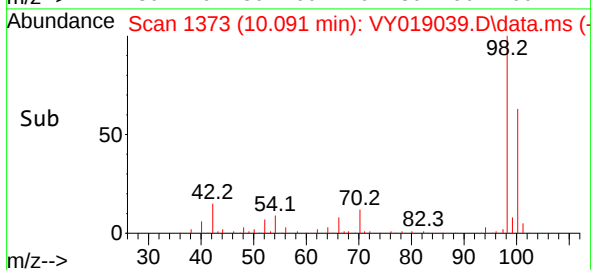
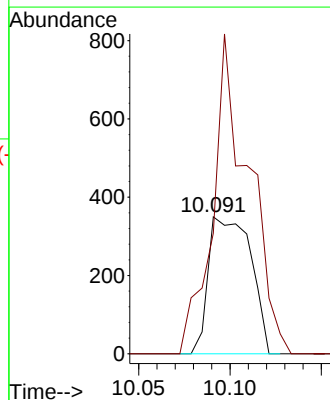
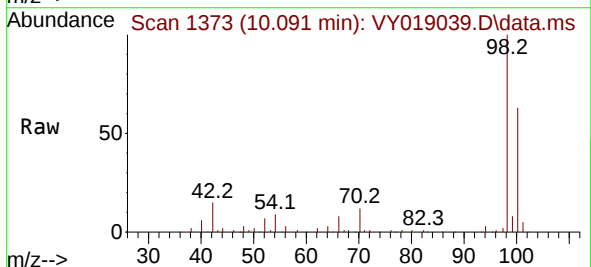
Acq: 13 Aug 2024 19:12

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

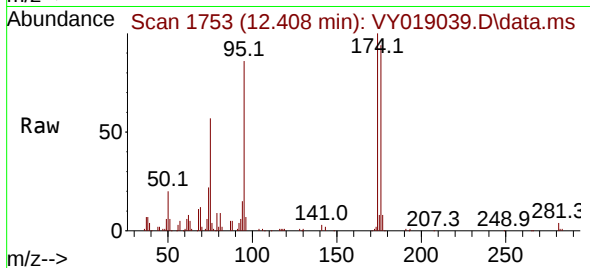
58 198.0 35.7 53.5#



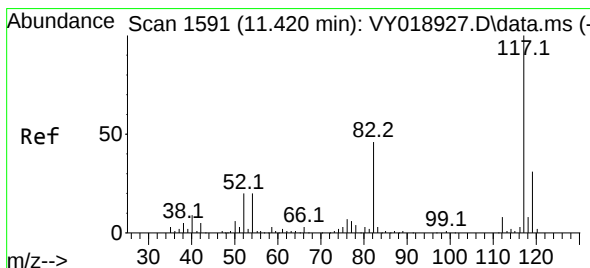
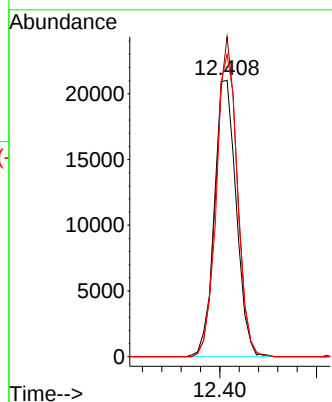
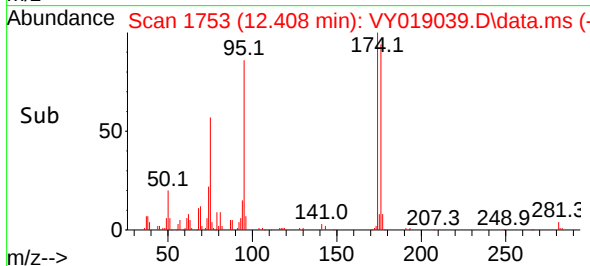


#62
4-Bromofluorobenzene
Concen: 42.933 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019039.D
Acq: 13 Aug 2024 19:12

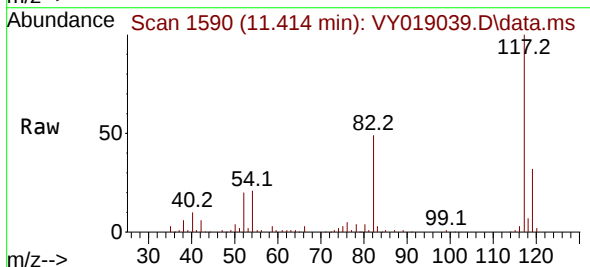
Instrument :
MSVOA_Y
ClientSampleId :



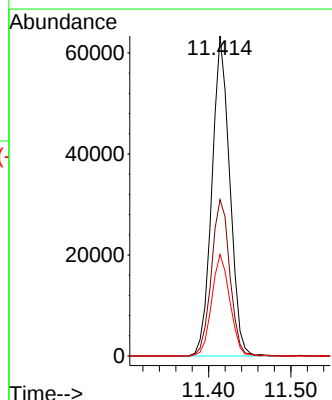
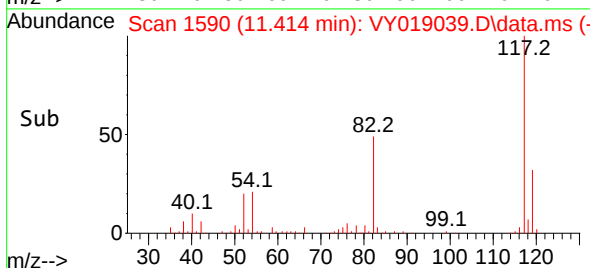
Tgt Ion: 95 Resp: 33054
Ion Ratio Lower Upper
95 100
174 109.2 0.0 175.6
176 106.2 0.0 171.4

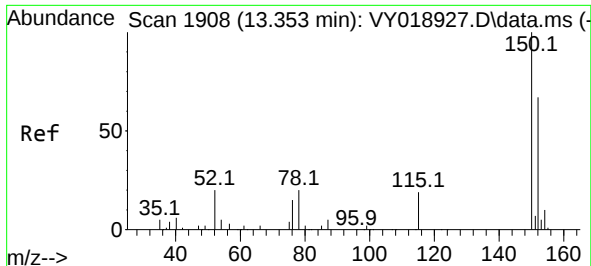


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019039.D
Acq: 13 Aug 2024 19:12



Tgt Ion: 117 Resp: 95502
Ion Ratio Lower Upper
117 100
82 48.8 42.4 63.6
119 31.7 25.9 38.9

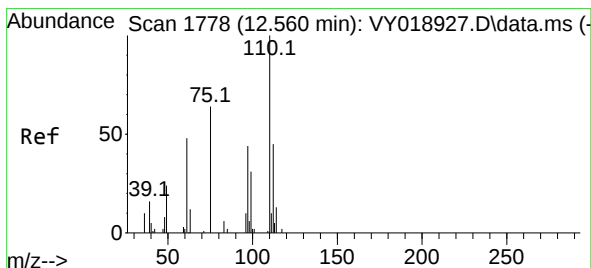
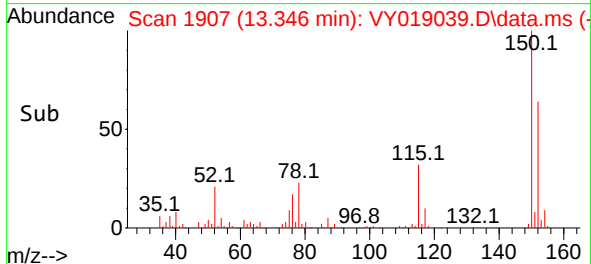
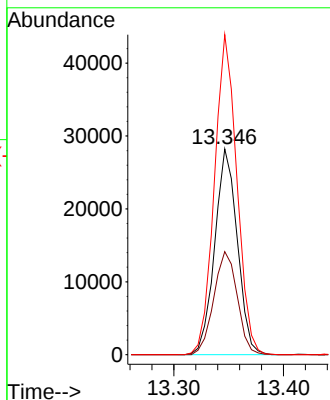
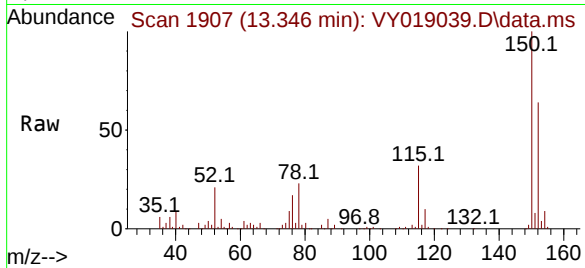




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY019039.D
 Acq: 13 Aug 2024 19:12

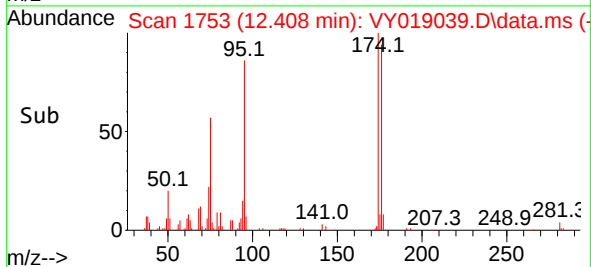
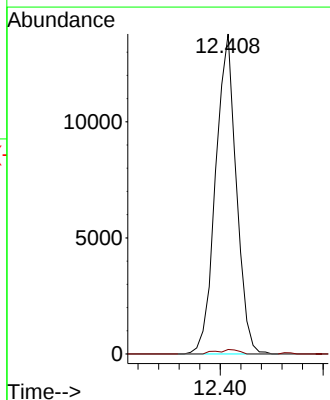
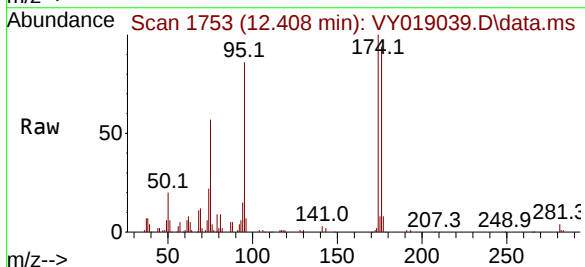
Instrument :
 MSVOA_Y
 ClientSampleId :

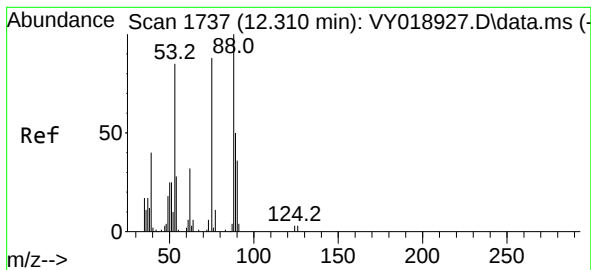
Tgt Ion:152 Resp: 40422
 Ion Ratio Lower Upper
 152 100
 115 52.0 28.2 84.7
 150 154.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 63.838 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY019039.D
 Acq: 13 Aug 2024 19:12

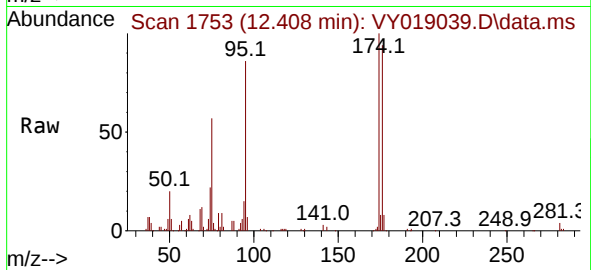
Tgt Ion: 75 Resp: 19224
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.544 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY019039.D
 Acq: 13 Aug 2024 19:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 19224
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

