

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080924\
 Data File : VY018973.D
 Acq On : 09 Aug 2024 17:41
 Operator : SY/MD
 Sample : P3518-23
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 09 23:29:57 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)

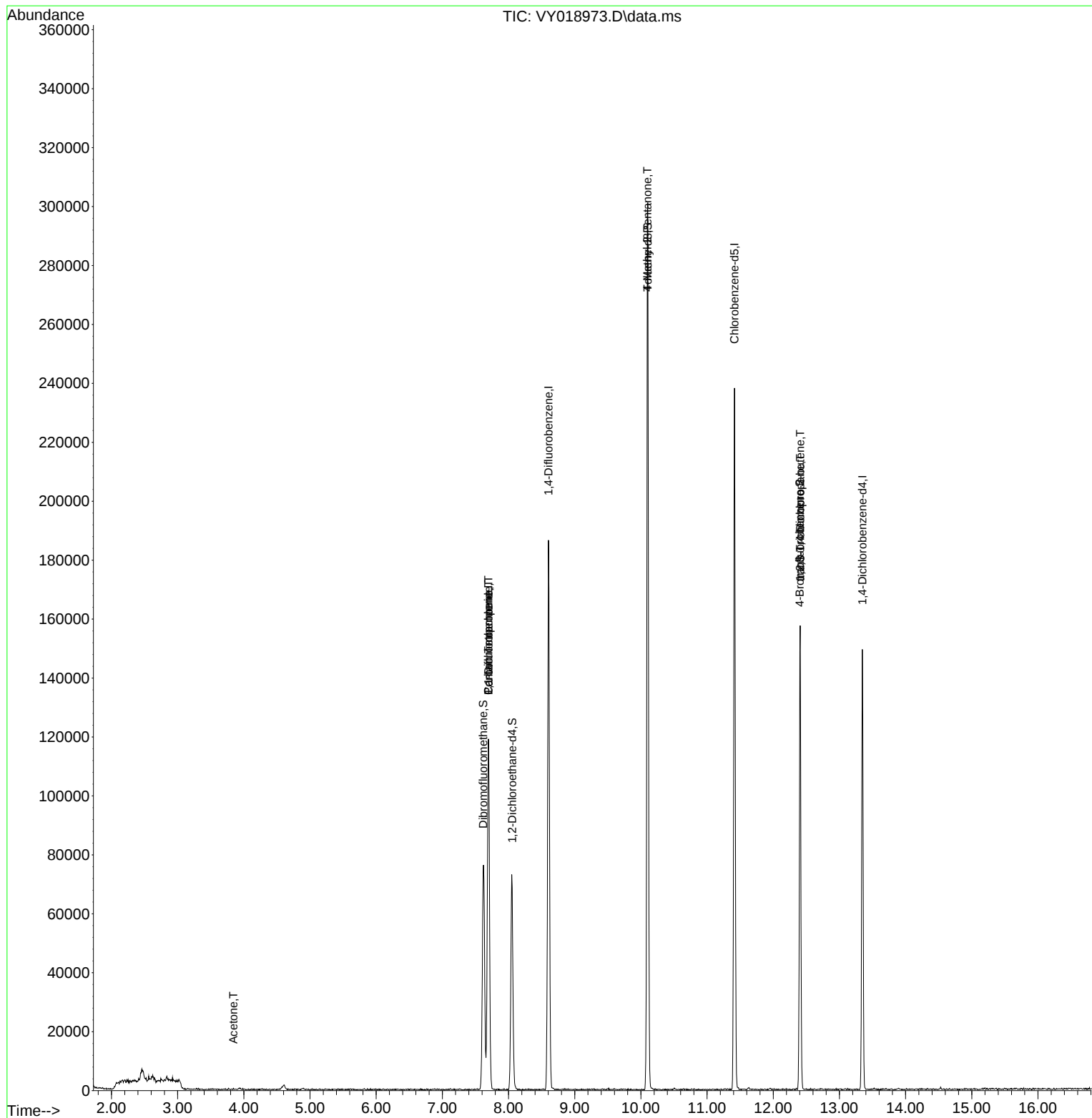
Internal Standards						
1) Pentafluorobenzene	7.695	168	95291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	156050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	116225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	34298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	45206	54.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.060%	
35) Dibromofluoromethane	7.616	113	50219	50.387	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.780%	
50) Toluene-d8	10.103	98	184711	48.249	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.500%	
62) 4-Bromofluorobenzene	12.402	95	39557	34.828	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	79	Below Cal	#	43
11) Tert butyl alcohol	4.818	59	42	Below Cal	#	88
13) Acrolein	3.604	56	20	Below Cal	#	15
16) Acetone	3.842	43	44	12.720	ug/l #	36
20) Methylene Chloride	4.586	84	465	Below Cal	#	79
31) Cyclohexane	7.701	56	2320	Below Cal	#	68
36) 1,1-Dichloropropene	7.695	75	6881	5.143	ug/l #	51
38) Carbon Tetrachloride	7.695	117	8641	5.633	ug/l #	16
41) Methacrylonitrile	6.982	41	40	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.097	43	1091	1.701	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	22373	87.560	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	22373	180.426	ug/l #	16

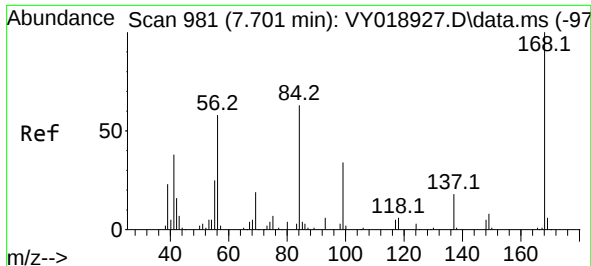
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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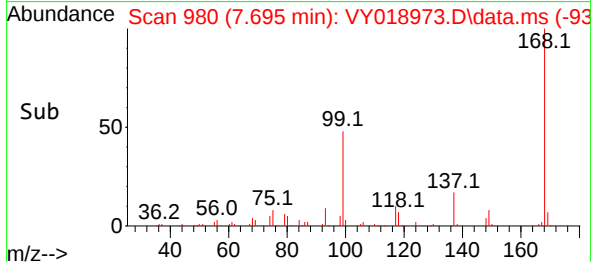
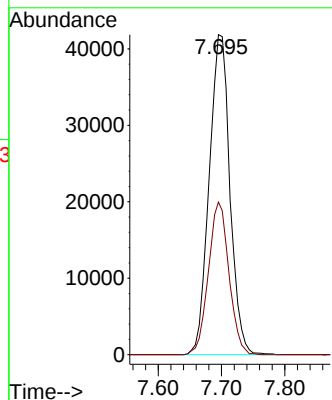
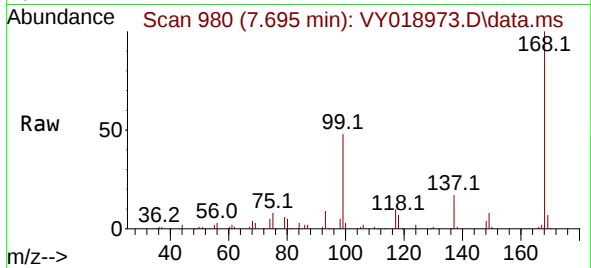




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018973.D
Acq: 09 Aug 2024 17:41

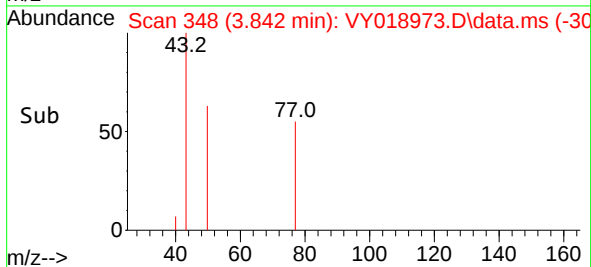
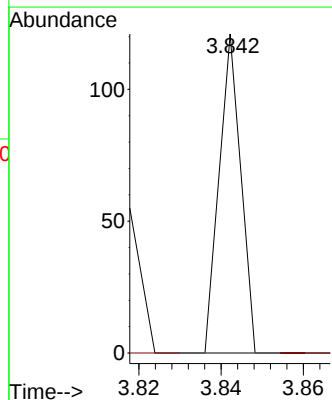
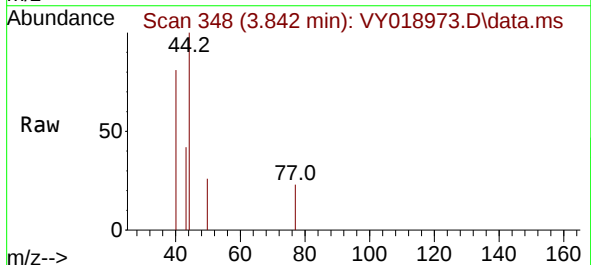
Instrument :
MSVOA_Y
ClientSampleId :

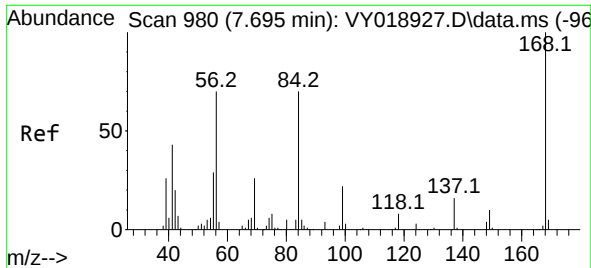
Tgt Ion:168 Resp: 95291
Ion Ratio Lower Upper
168 100
99 47.7 39.1 58.7



#16
Acetone
Concen: 12.720 ug/l
RT: 3.842 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY018973.D
Acq: 09 Aug 2024 17:41

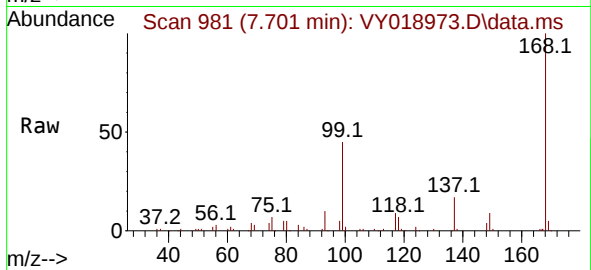
Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



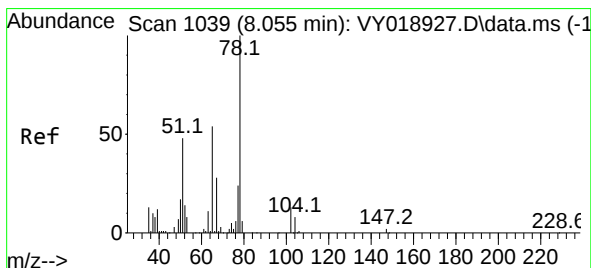
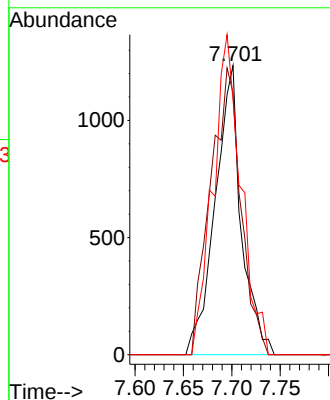
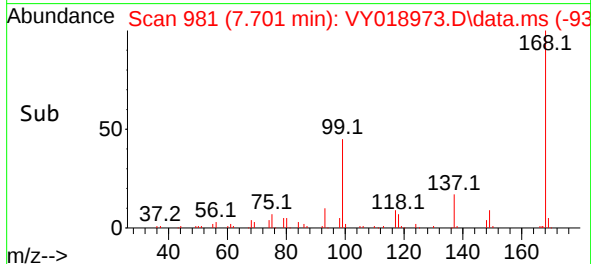


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018973.D
Acq: 09 Aug 2024 17:41

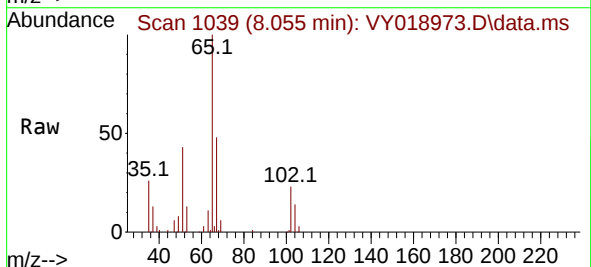
Instrument :
MSVOA_Y
ClientSampleId :



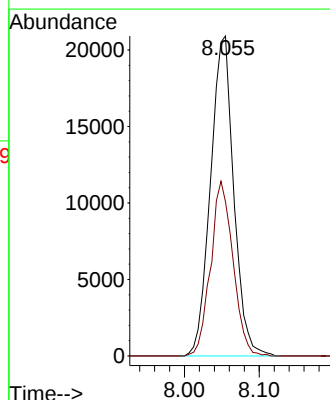
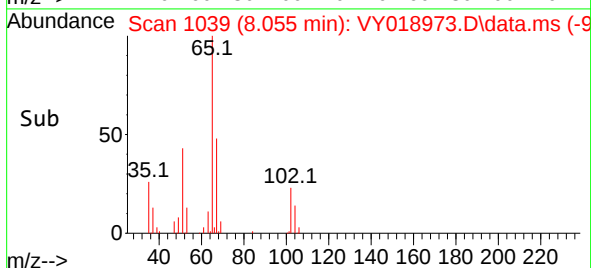
Tgt Ion: 56 Resp: 2320
Ion Ratio Lower Upper
56 100
69 90.6 28.7 43.1#
84 88.3 77.7 116.5

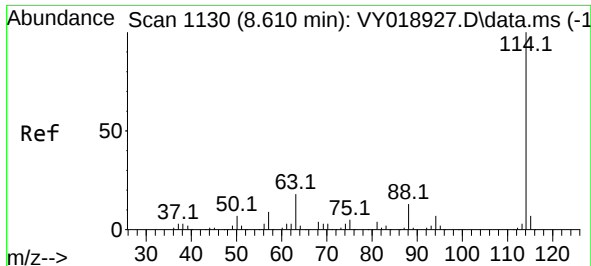


#33
1,2-Dichloroethane-d4
Concen: 54.032 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY018973.D
Acq: 09 Aug 2024 17:41



Tgt Ion: 65 Resp: 45206
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY018973.D

Acq: 09 Aug 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

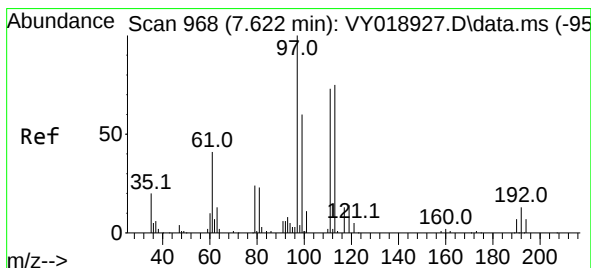
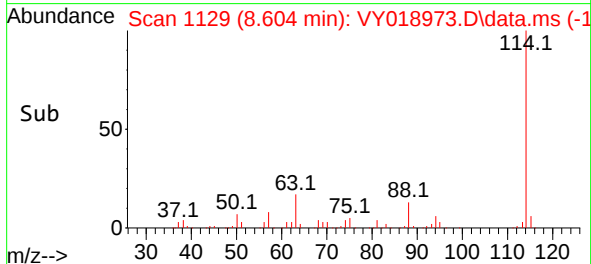
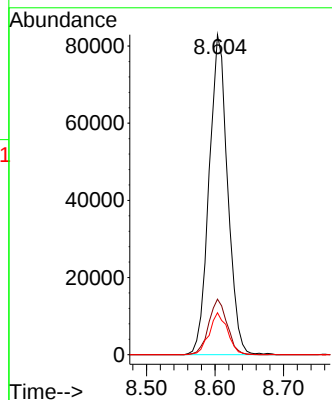
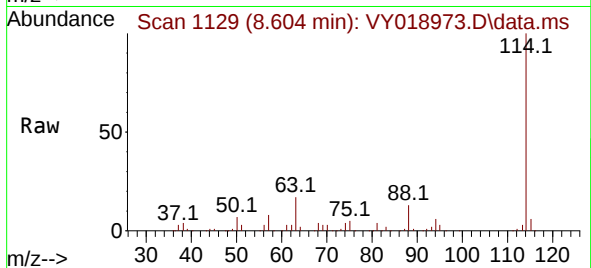
Tgt Ion:114 Resp: 156050

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.387 ug/l

RT: 7.616 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY018973.D

Acq: 09 Aug 2024 17:41

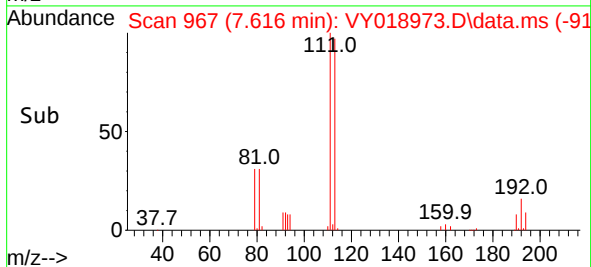
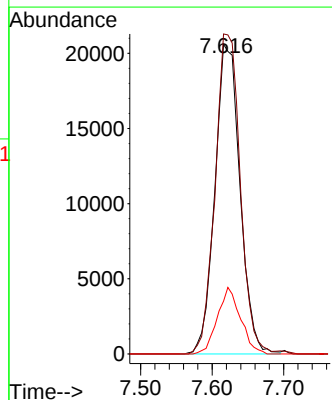
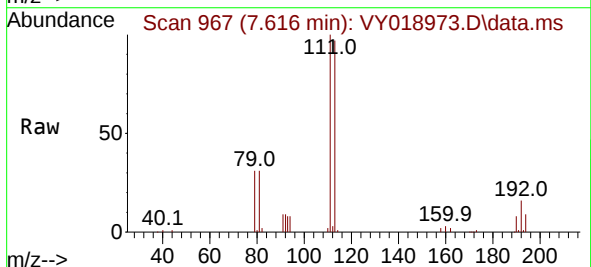
Tgt Ion:113 Resp: 50219

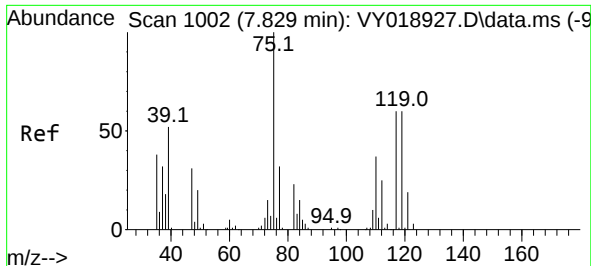
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.143 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY018973.D

Acq: 09 Aug 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

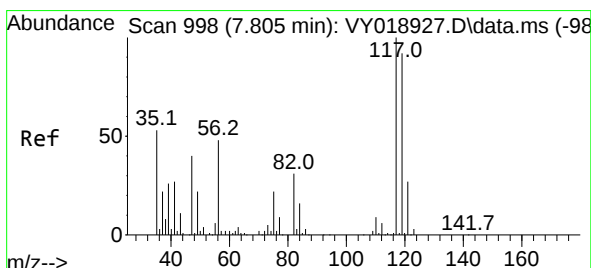
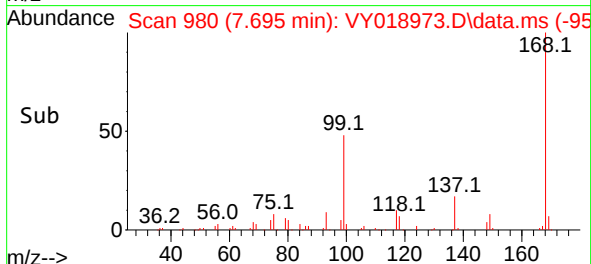
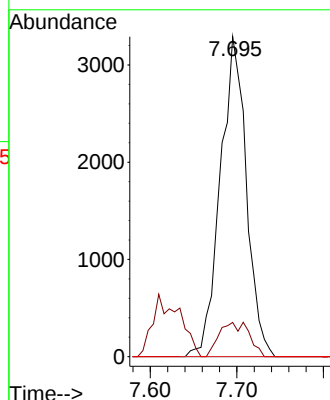
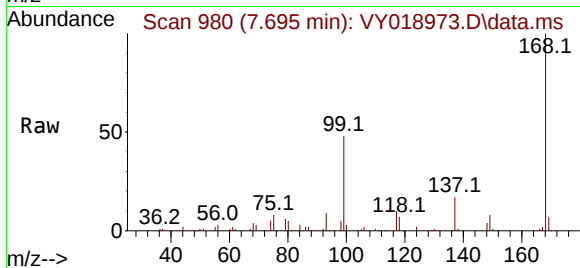
Tgt Ion: 75 Resp: 6881

Ion Ratio Lower Upper

75 100

110 12.4 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.633 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY018973.D

Acq: 09 Aug 2024 17:41

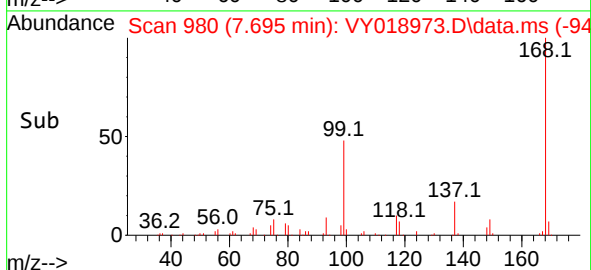
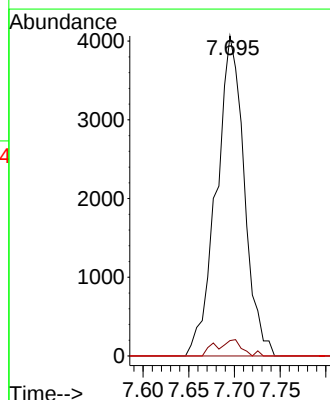
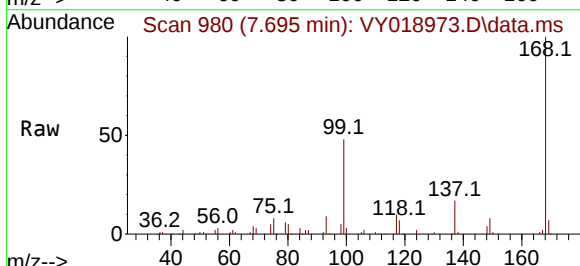
Tgt Ion:117 Resp: 8641

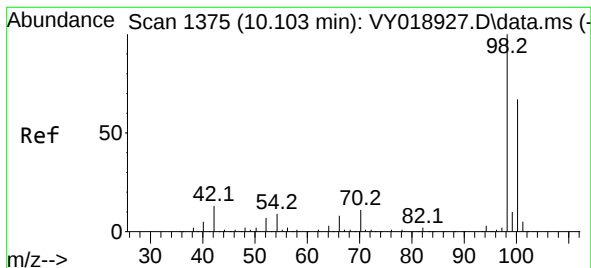
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.249 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY018973.D

Acq: 09 Aug 2024 17:41

Instrument :

MSVOA_Y

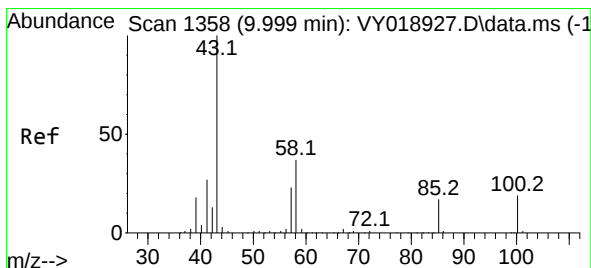
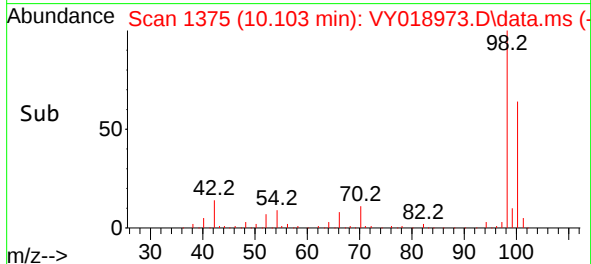
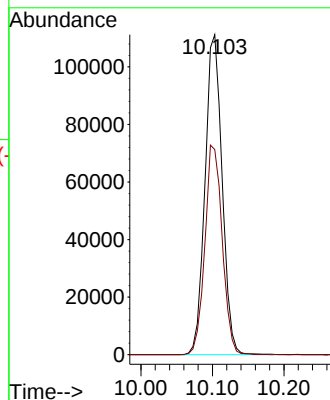
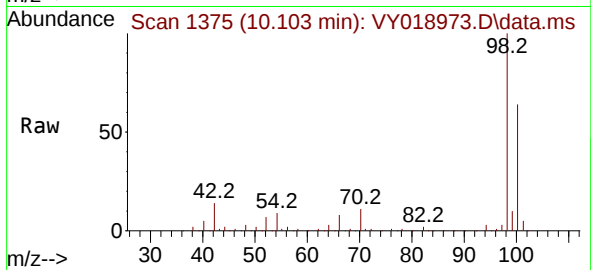
ClientSampleId :

Tgt Ion: 98 Resp: 184711

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.701 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.098 min

Lab File: VY018973.D

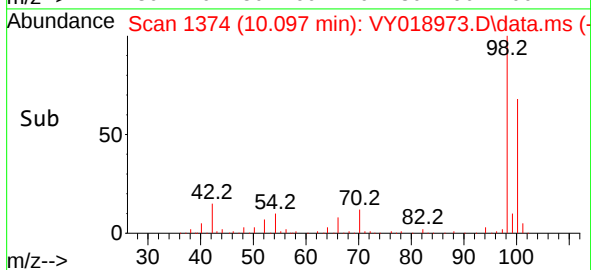
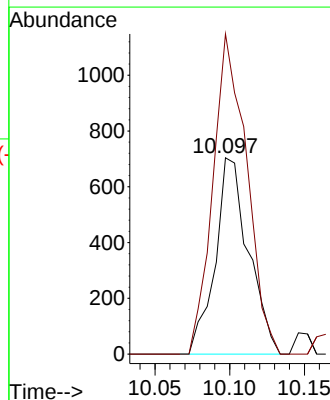
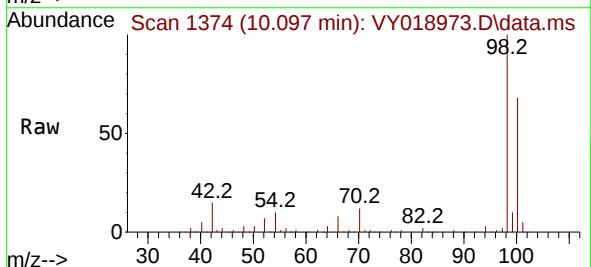
Acq: 09 Aug 2024 17:41

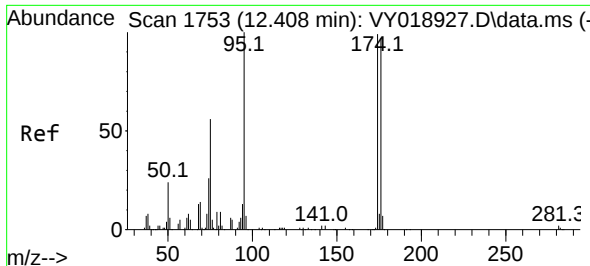
Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

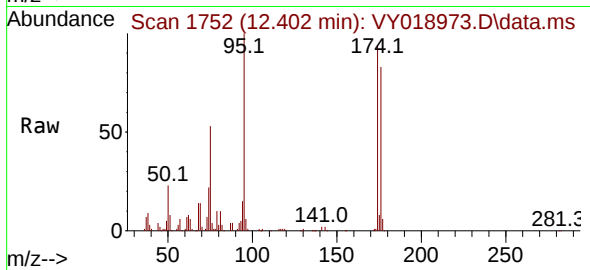
58 164.9 35.7 53.5#



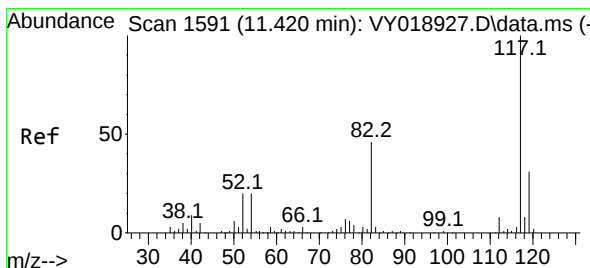
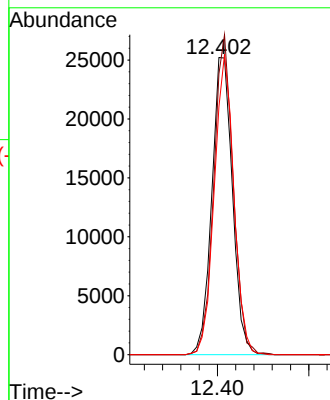
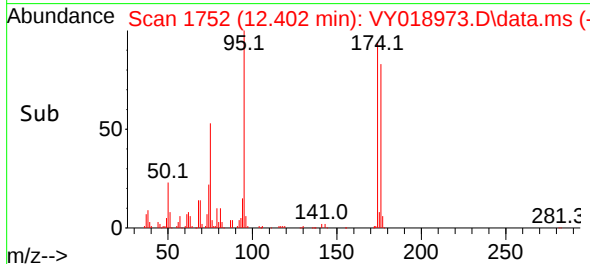


#62
4-Bromofluorobenzene
Concen: 34.828 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018973.D
Acq: 09 Aug 2024 17:41

Instrument :
MSVOA_Y
ClientSampleId :

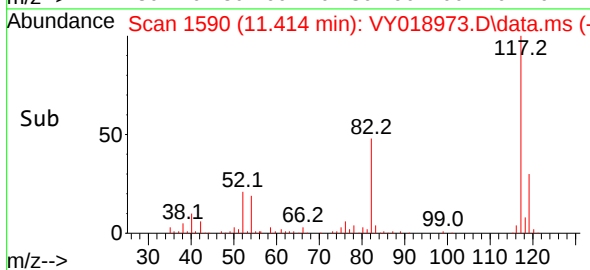
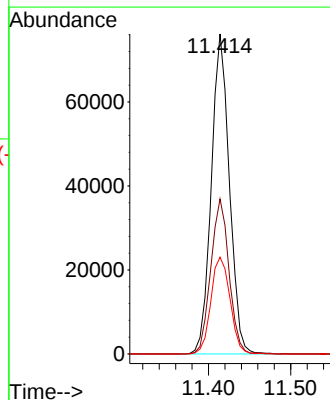
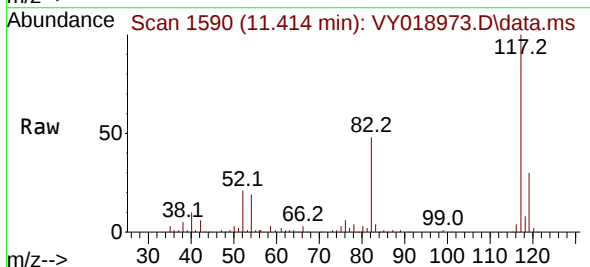


Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.9	0.0	175.6
176	95.7	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY018973.D
Acq: 09 Aug 2024 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.5	42.4	63.6
119	30.3	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY018973.D

Acq: 09 Aug 2024 17:41

Instrument :

MSVOA_Y

ClientSampleId :

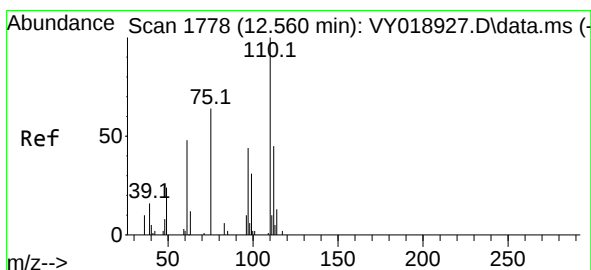
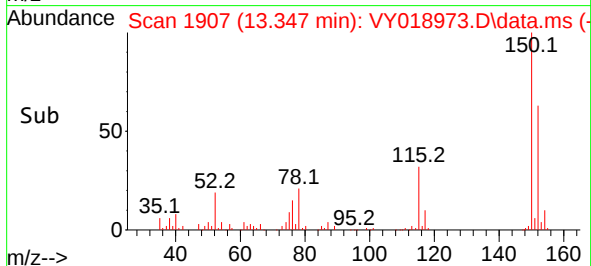
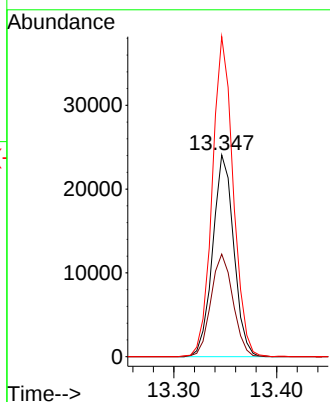
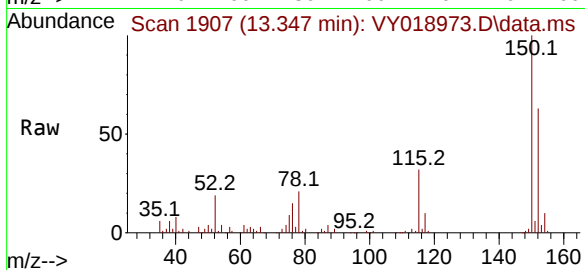
Tgt Ion:152 Resp: 34298

Ion Ratio Lower Upper

152 100

115 53.1 28.2 84.7

150 157.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 87.560 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY018973.D

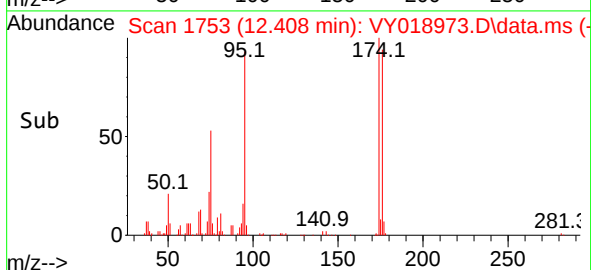
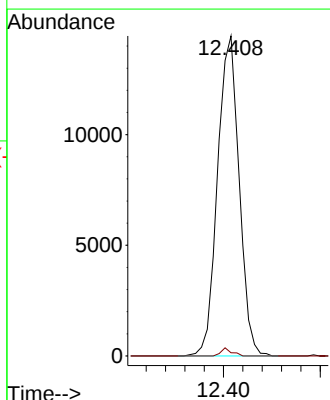
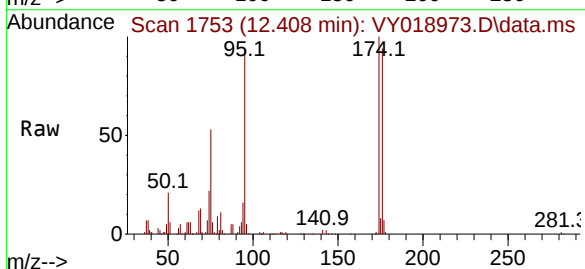
Acq: 09 Aug 2024 17:41

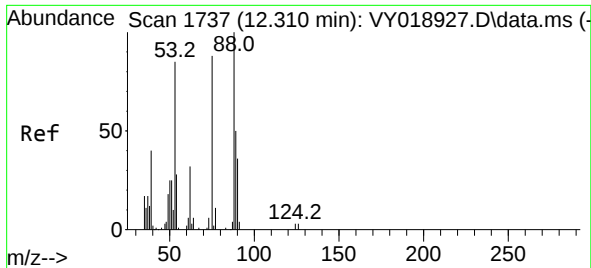
Tgt Ion: 75 Resp: 22373

Ion Ratio Lower Upper

75 100

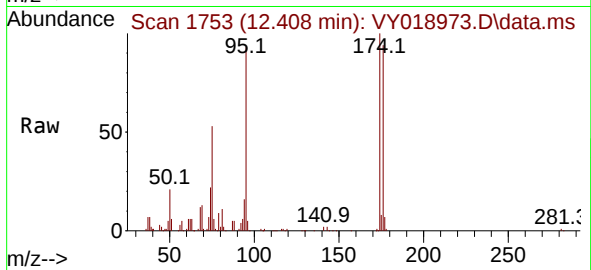
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 180.426 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY018973.D
 Acq: 09 Aug 2024 17:41

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.2	35.8	53.6#

