

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019062.D
 Acq On : 14 Aug 2024 16:40
 Operator : SY/MD
 Sample : P3512-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:48:15 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

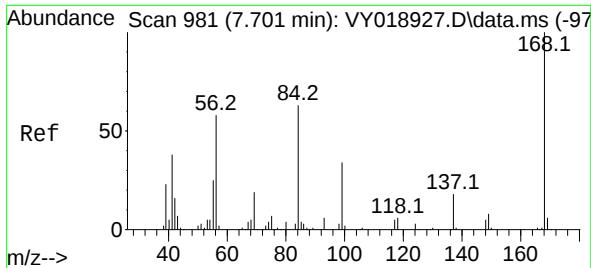
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.695	168	51655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	87390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	75037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	29868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	23296	51.366	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.740%	
35) Dibromofluoromethane	7.616	113	28013	50.189	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.380%	
50) Toluene-d8	10.103	98	102554	47.836	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.680%	
62) 4-Bromofluorobenzene	12.408	95	25286	39.755	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 79.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.111	50	76	Below Cal	#	43
11) Tert butyl alcohol	4.811	59	250	Below Cal	#	88
16) Acetone	3.842	43	149	13.733	ug/l #	36
20) Methylene Chloride	4.586	84	383	Below Cal	#	84
25) 2-Butanone	6.872	43	323	2.200	ug/l #	41
31) Cyclohexane	7.689	56	1439	Below Cal	#	45
36) 1,1-Dichloropropene	7.695	75	3886	5.187	ug/l #	49
38) Carbon Tetrachloride	7.695	117	4800	5.588	ug/l #	15
41) Methacrylonitrile	7.018	41	45	Below Cal	#	35
51) 4-Methyl-2-Pentanone	10.103	43	621	1.729	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	15360	69.030	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	15360	142.243	ug/l #	16

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

Quant Time: Aug 14 21:48:15 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

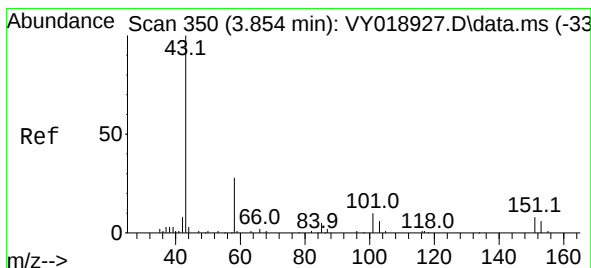
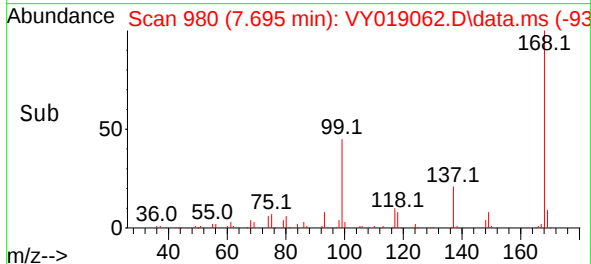
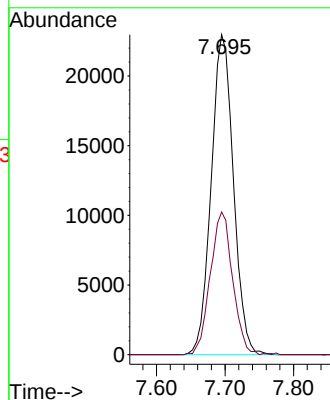
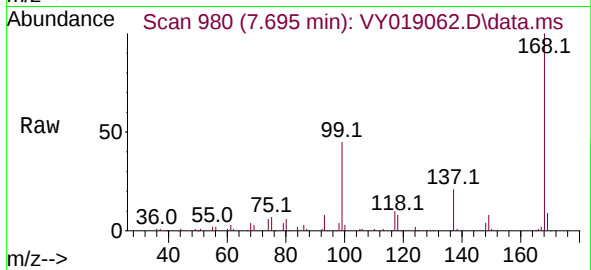




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019062.D
Acq: 14 Aug 2024 16:40

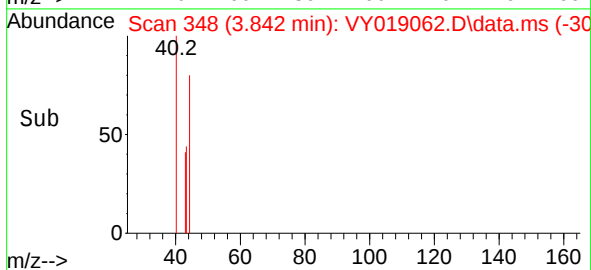
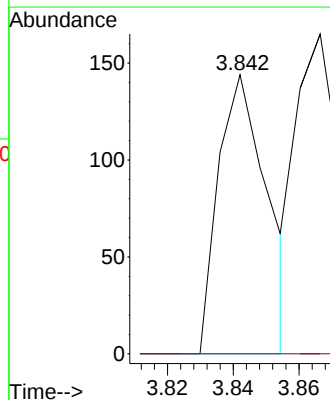
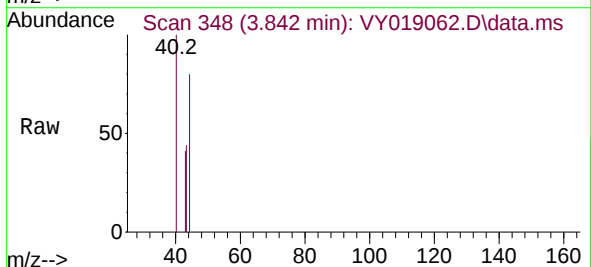
Instrument :
MSVOA_Y
ClientSampleId :

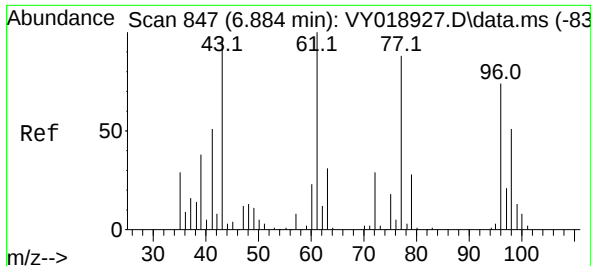
Tgt Ion:168 Resp: 51655
Ion Ratio Lower Upper
168 100
99 44.6 39.1 58.7



#16
Acetone
Concen: 13.733 ug/l
RT: 3.842 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY019062.D
Acq: 14 Aug 2024 16:40

Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 2.200 ug/l

RT: 6.872 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Instrument :

MSVOA_Y

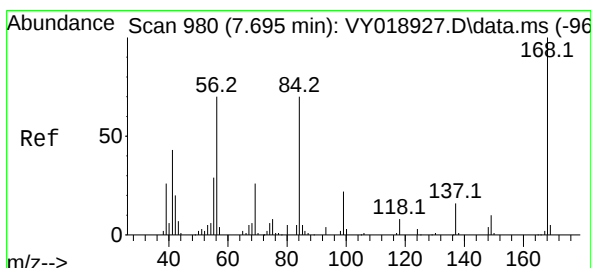
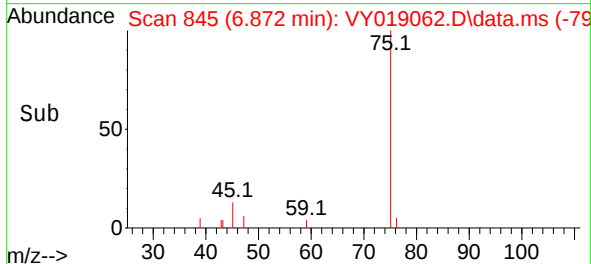
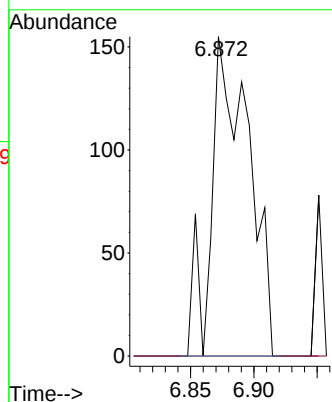
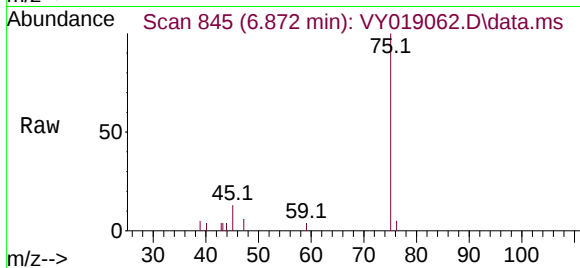
ClientSampleId :

Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.689 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

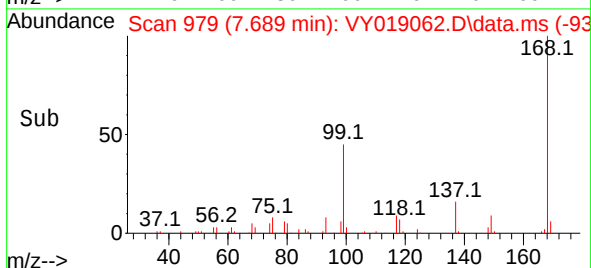
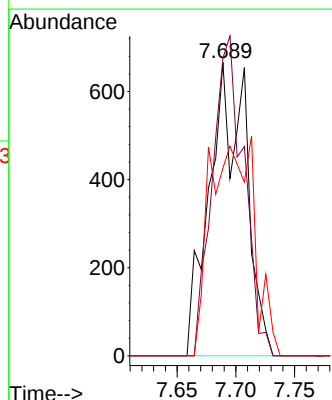
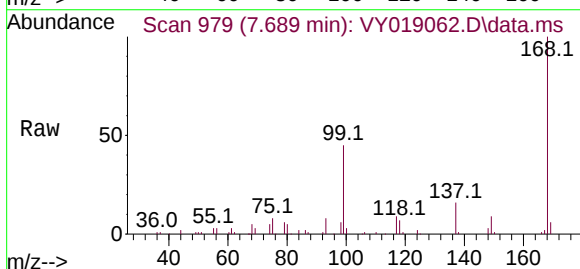
Tgt Ion: 56 Resp: 1439

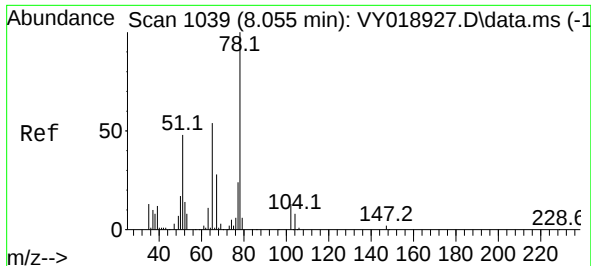
Ion Ratio Lower Upper

56 100

69 101.5 28.7 43.1#

84 64.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.366 ug/l

RT: 8.049 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Instrument :

MSVOA_Y

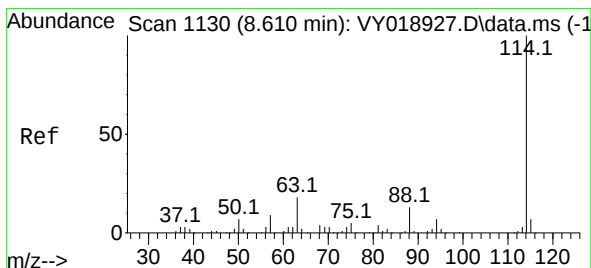
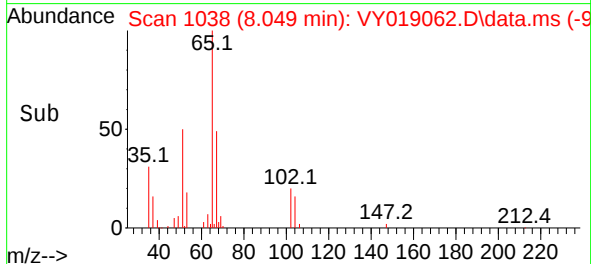
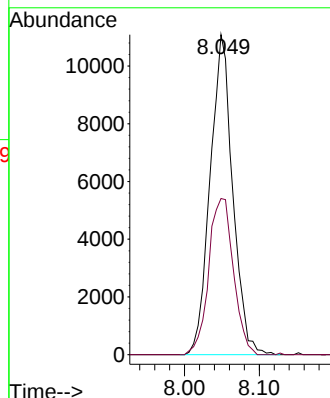
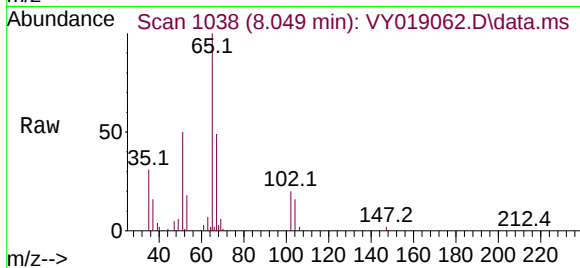
ClientSampleId :

Tgt Ion: 65 Resp: 23296

Ion Ratio Lower Upper

65 100

67 53.4 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: VY019062.D

Acq: 14 Aug 2024 16:40

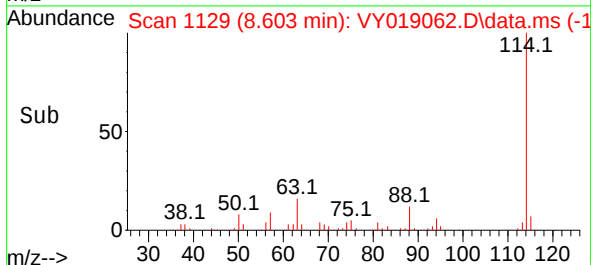
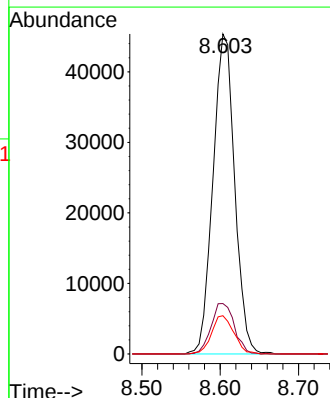
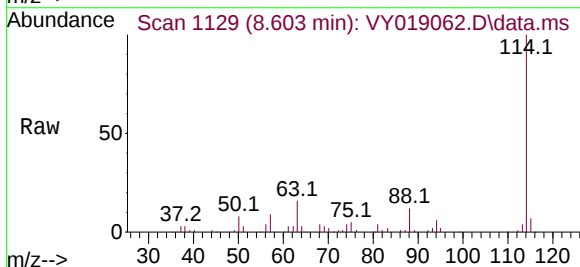
Tgt Ion: 114 Resp: 87390

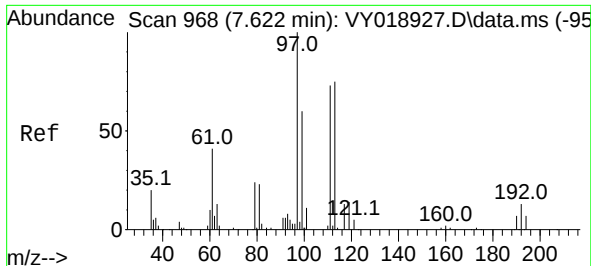
Ion Ratio Lower Upper

114 100

63 15.8 0.0 35.0

88 12.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.189 ug/l

RT: 7.616 min Scan# 91

Delta R.T. -0.006 min

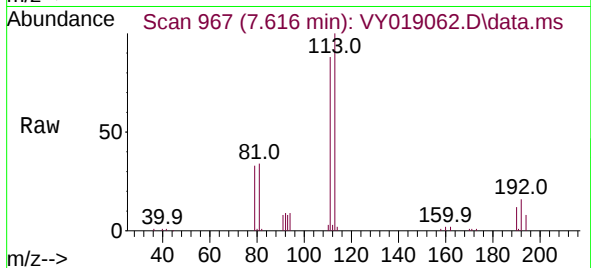
Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :



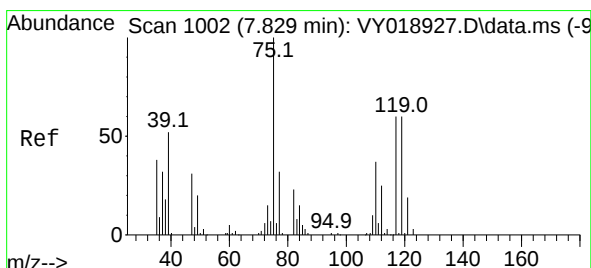
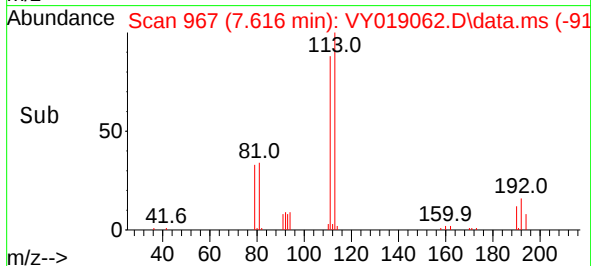
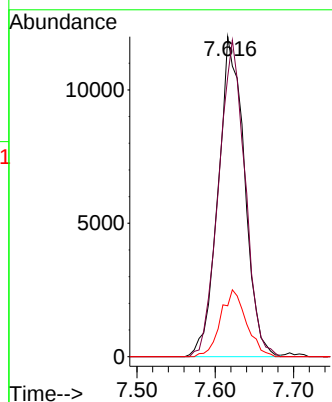
Tgt Ion:113 Resp: 28013

Ion Ratio Lower Upper

113 100

111 99.0 82.2 123.4

192 20.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.187 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

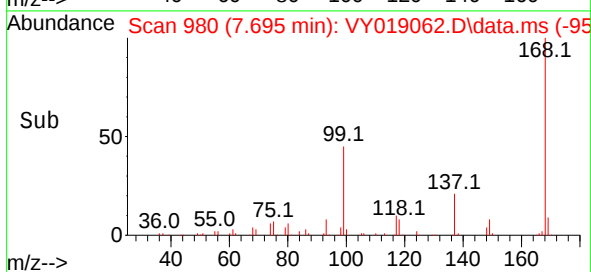
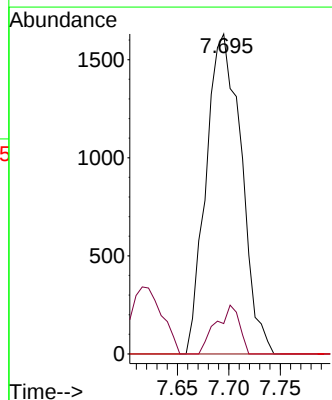
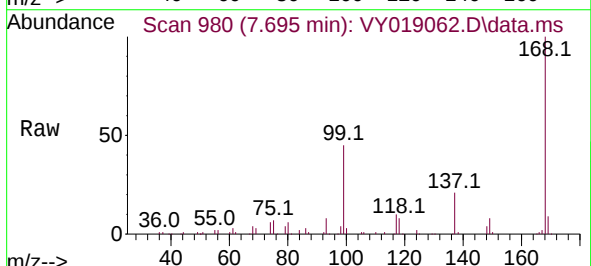
Tgt Ion: 75 Resp: 3886

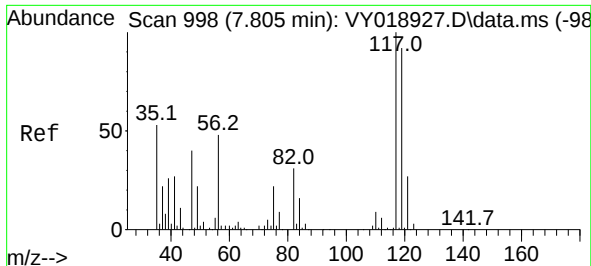
Ion Ratio Lower Upper

75 100

110 10.2 19.0 57.0#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.588 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.110 min

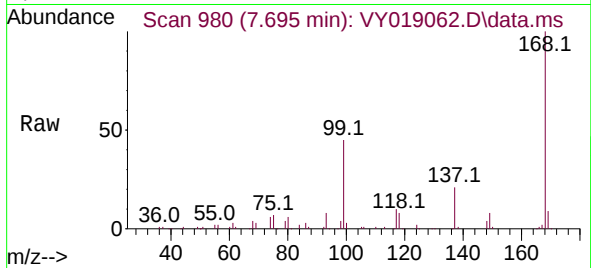
Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

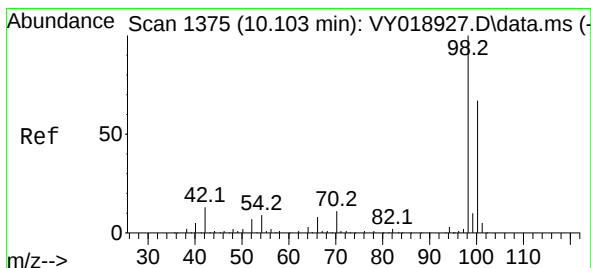
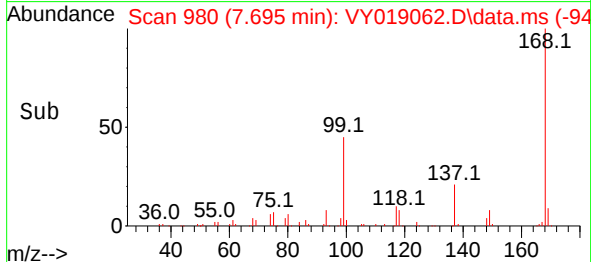
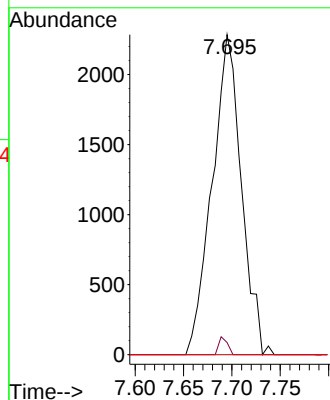
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	4800
Ion	Ratio	Lower Upper
117	100	
119	3.8	75.8 113.6#
121	0.0	24.0 36.0#



#50

Toluene-d8

Concen: 47.836 ug/l

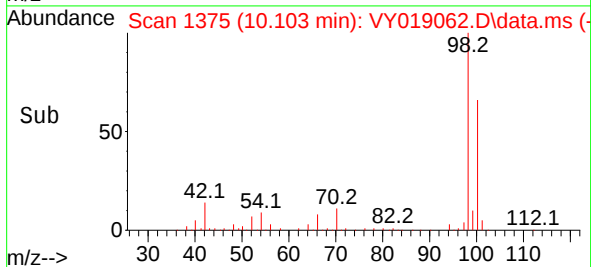
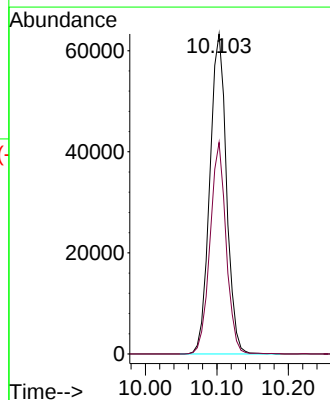
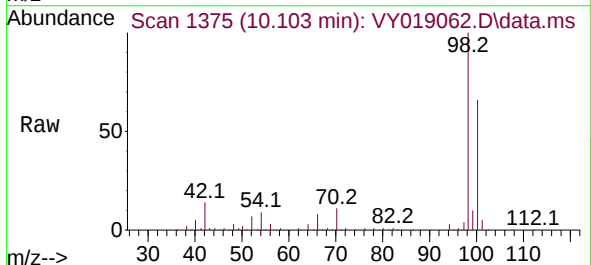
RT: 10.103 min Scan# 1375

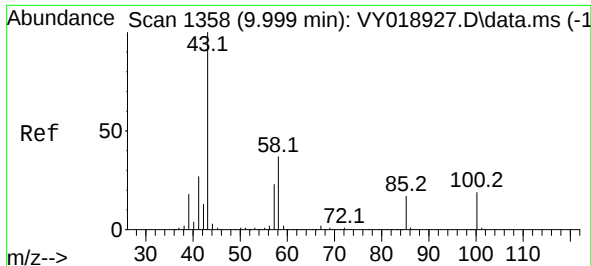
Delta R.T. 0.000 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Tgt Ion: 98	Resp:	102554
Ion	Ratio	Lower Upper
98	100	
100	63.8	52.0 78.0

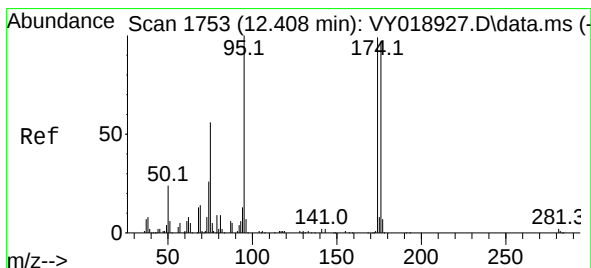
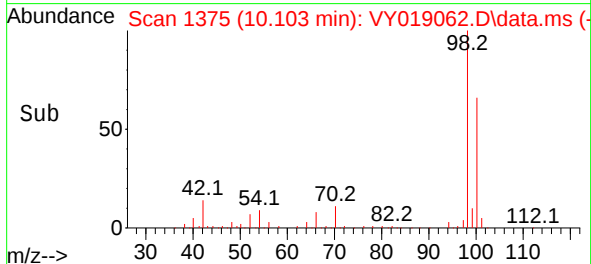
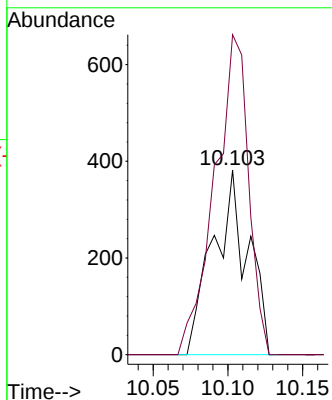
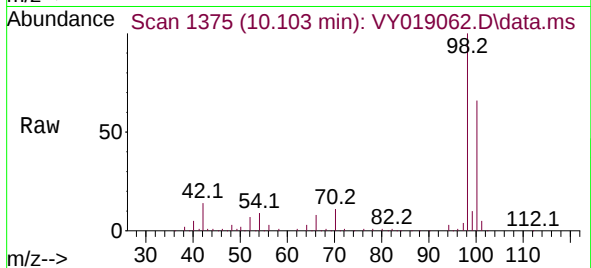




#51
4-Methyl-2-Pentanone
Concen: 1.729 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY019062.D
Acq: 14 Aug 2024 16:40

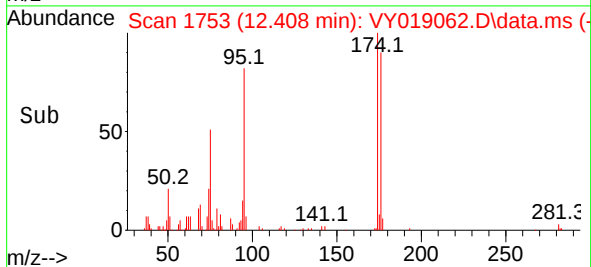
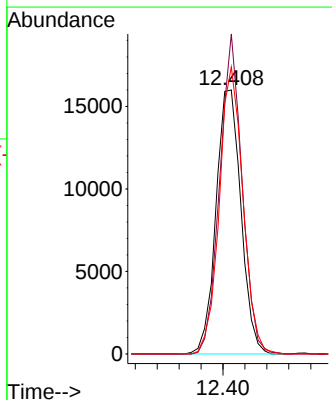
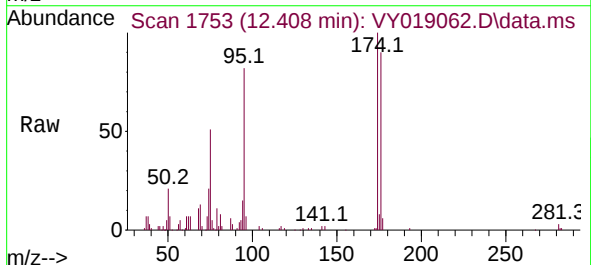
Instrument :
MSVOA_Y
ClientSampleId :

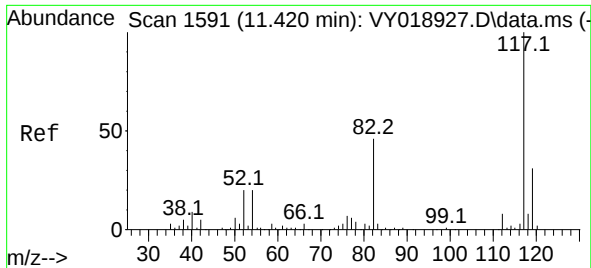
Tgt Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
58 167.1 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 39.755 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019062.D
Acq: 14 Aug 2024 16:40

Tgt Ion: 95 Resp: 25286
Ion Ratio Lower Upper
95 100
174 108.5 0.0 175.6
176 102.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Instrument :

MSVOA_Y

ClientSampleId :

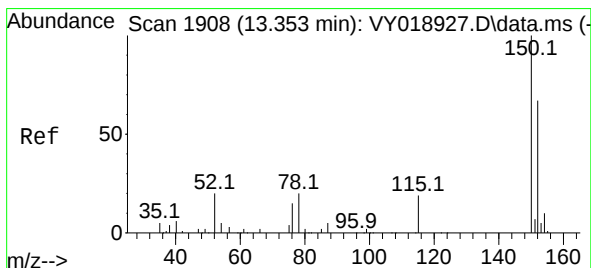
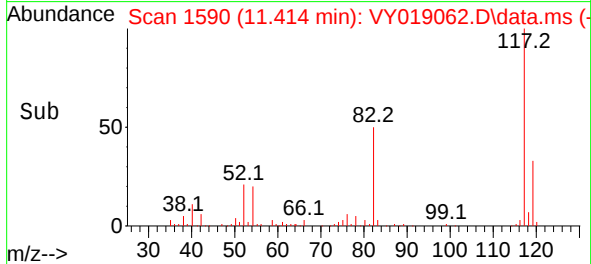
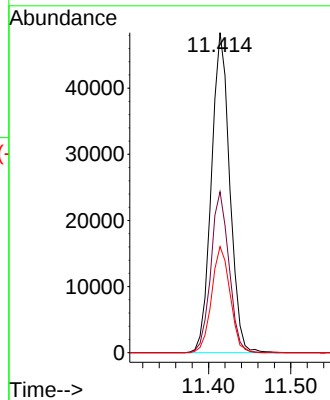
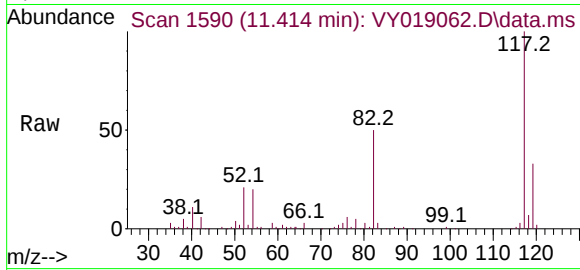
Tgt Ion:117 Resp: 75037

Ion Ratio Lower Upper

117 100

82 50.3 42.4 63.6

119 33.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

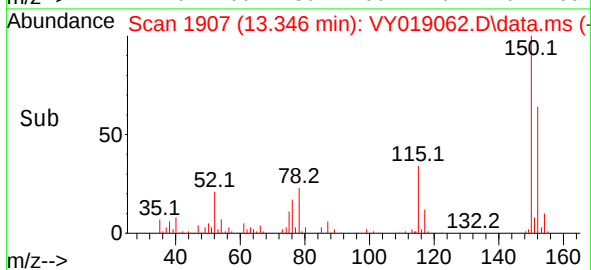
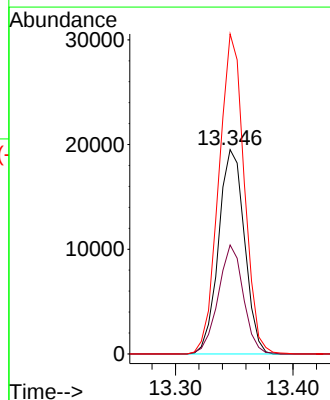
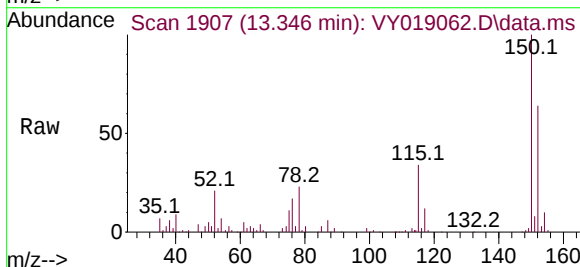
Tgt Ion:152 Resp: 29868

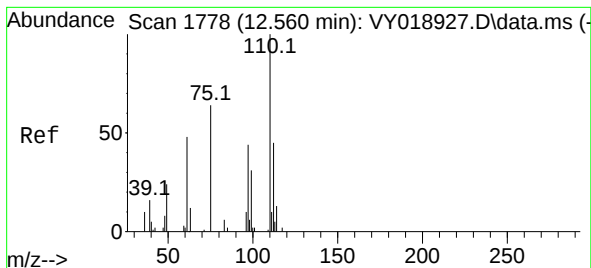
Ion Ratio Lower Upper

152 100

115 51.7 28.2 84.7

150 153.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 69.030 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Instrument :

MSVOA_Y

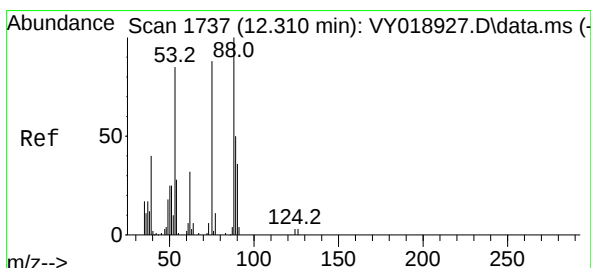
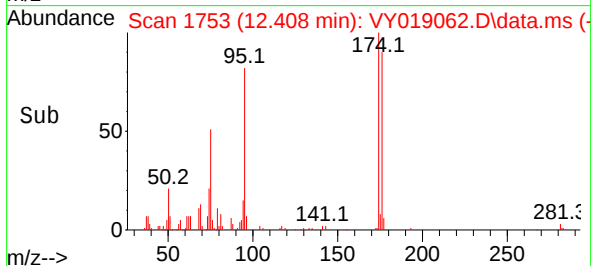
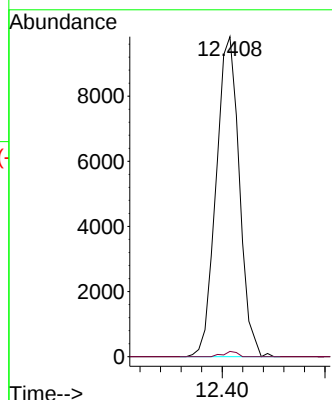
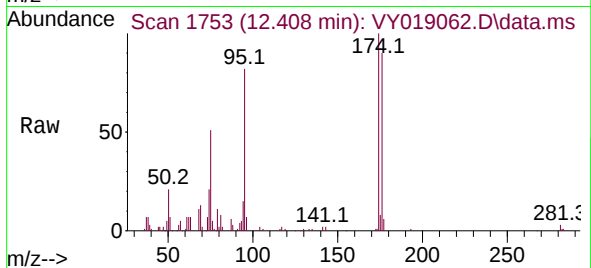
ClientSampleId :

Tgt Ion: 75 Resp: 15360

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.243 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.098 min

Lab File: VY019062.D

Acq: 14 Aug 2024 16:40

Tgt Ion: 75 Resp: 15360

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

