

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019058.D
 Acq On : 14 Aug 2024 15:01
 Operator : SY/MD
 Sample : P3580-06
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

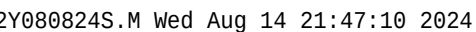
Quant Time: Aug 14 21:47:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

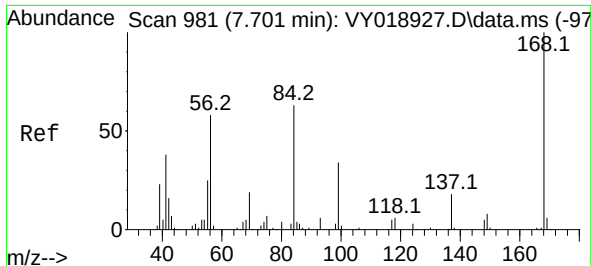
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	381	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.603	114	345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.043	65	183	54.706	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.420%	
35) Dibromofluoromethane	7.628	113	149	67.621	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 135.240%	
50) Toluene-d8	10.103	98	583	68.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 137.760%#	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	29 - 146	Recovery	= 0.000%#	
Target Compounds						Qvalue
3) Chloromethane	1.794	50	20	1.239	ug/l	# 43
6) Chloroethane	3.007	64	19	3.219	ug/l	# 42
7) Trichlorofluoromethane	3.074	101	19	1.624	ug/l	# 20
14) Allyl chloride	4.348	41	22	4.765	ug/l	# 19
16) Acetone	3.836	43	30	45.684	ug/l	# 36
17) Carbon Disulfide	3.903	76	25	2.436	ug/l	# 76
18) Methyl Acetate	4.311	43	21	11.295	ug/l	# 46
19) Methyl tert-butyl Ether	4.982	73	45	5.300	ug/l	# 54
22) Diisopropyl ether	5.964	45	43	4.272	ug/l	# 29
23) Vinyl Acetate	5.964	43	27	3.108	ug/l	# 67
24) 1,1-Dichloroethane	6.122	63	22	3.563	ug/l	# 80
28) Bromochloromethane	7.079	49	19	6.684	ug/l	# 6
36) 1,1-Dichloropropene	7.695	75	23	7.776	ug/l	# 40
41) Methacrylonitrile	7.177	41	30	49.603	ug/l	# 15
42) 1,2-Dichloroethane	8.079	62	41	18.727	ug/l	# 71
45) 1,2-Dichloropropane	8.927	63	28	14.229	ug/l	# 43
48) Methyl methacrylate	9.231	41	35	29.140	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.030	43	23	16.220	ug/l	# 31
59) 2-Hexanone	10.908	43	19	18.679	ug/l	# 19

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

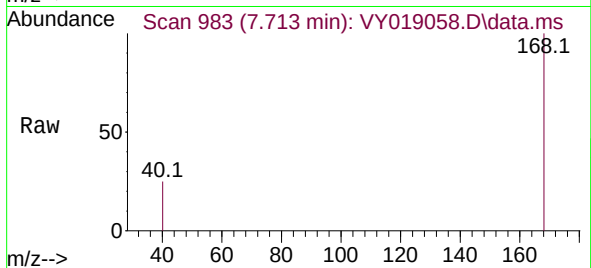
Quant Time: Aug 14 21:47:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 09 04:24:33 2024
Response via : Initial Calibration



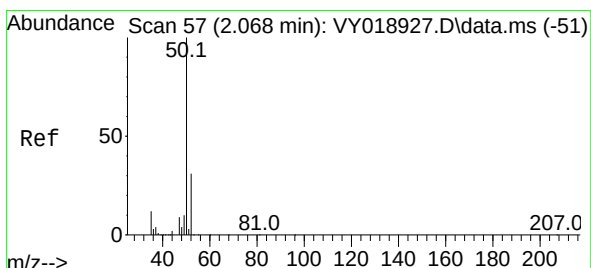
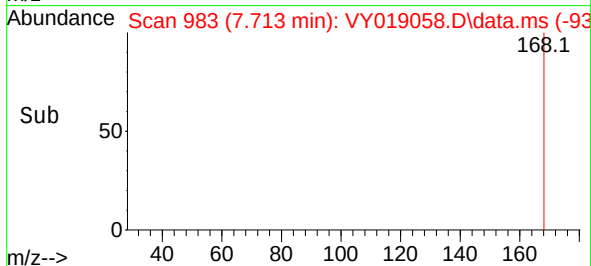
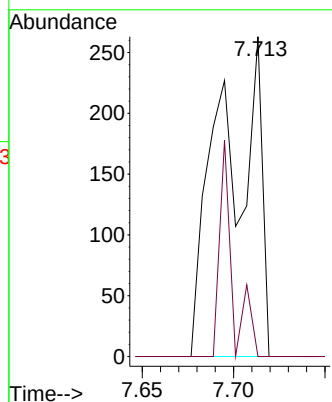


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Instrument :
MSVOA_Y
ClientSampleId :

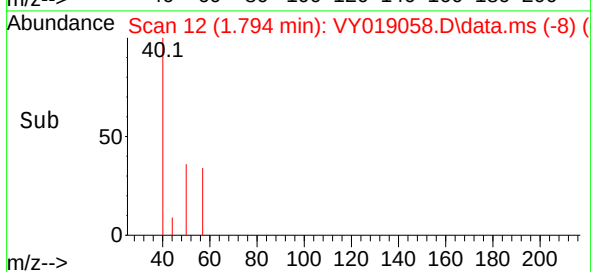
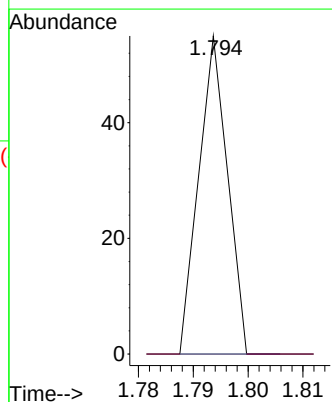
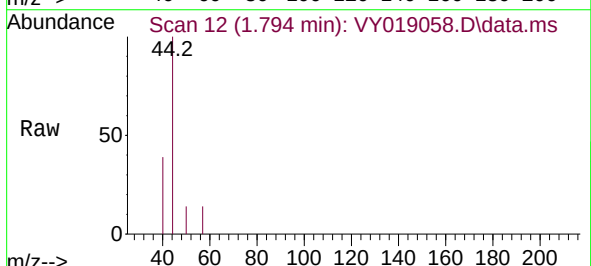


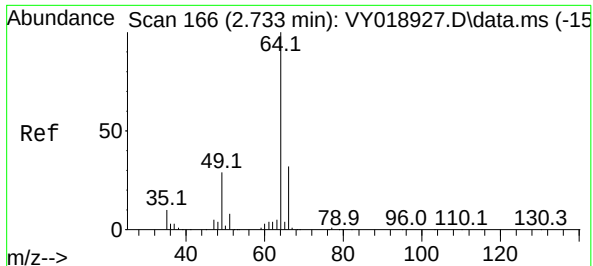
Tgt Ion:168 Resp: 381
Ion Ratio Lower Upper
168 100
99 0.0 39.1 58.7#



#3
Chloromethane
Concen: 1.239 ug/l
RT: 1.794 min Scan# 12
Delta R.T. -0.274 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion: 50 Resp: 20
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

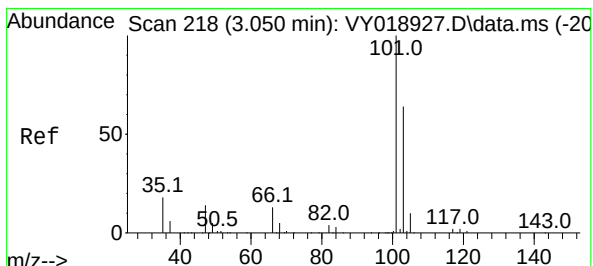
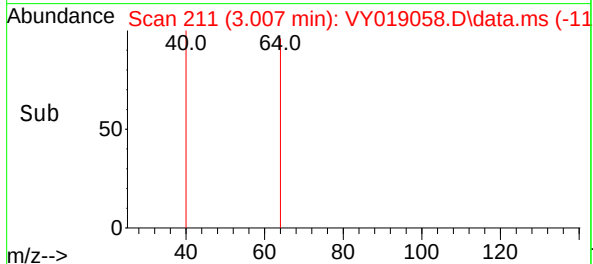
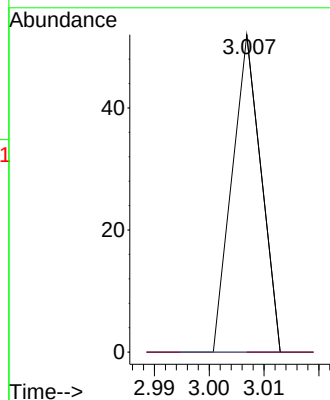
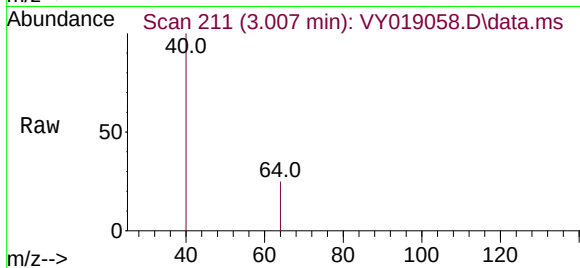




#6
Chloroethane
Concen: 3.219 ug/l
RT: 3.007 min Scan# 211
Delta R.T. 0.274 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

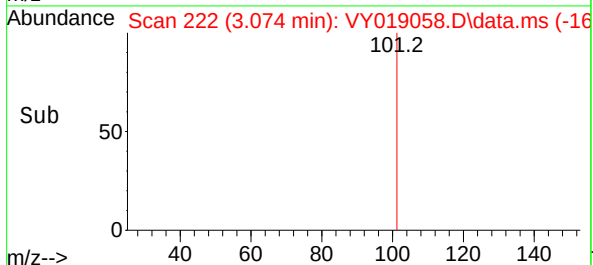
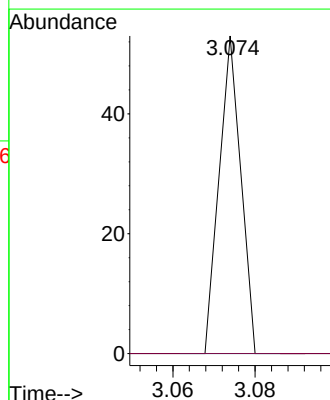
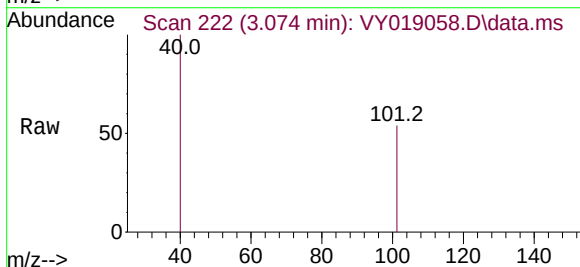
Instrument :
MSVOA_Y
ClientSampleId :

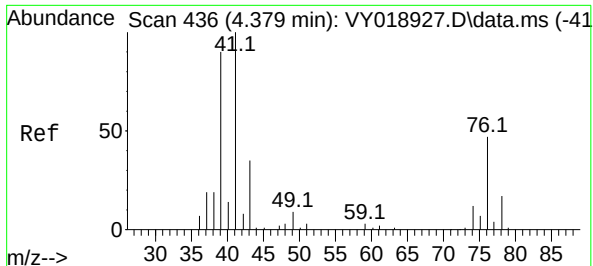
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#7
Trichlorofluoromethane
Concen: 1.624 ug/l
RT: 3.074 min Scan# 222
Delta R.T. 0.024 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion:101 Resp: 19
Ion Ratio Lower Upper
101 100
103 0.0 49.3 73.9#





#14

Allyl chloride

Concen: 4.765 ug/l

RT: 4.348 min Scan# 41

Delta R.T. -0.030 min

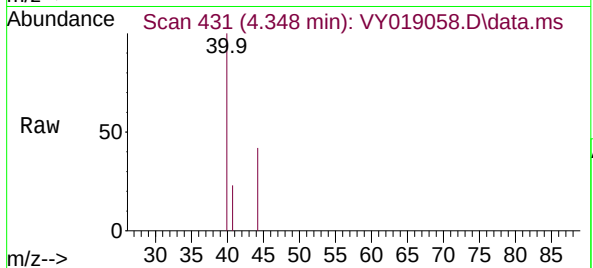
Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

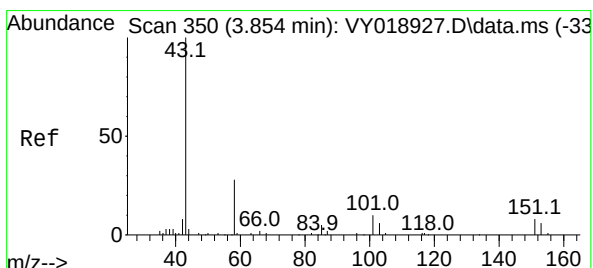
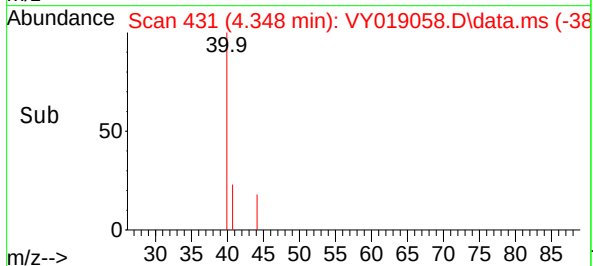
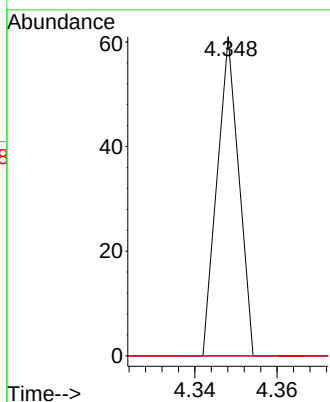
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 41	Resp: 22
Ion Ratio	Lower Upper
41	100
39	0.0 58.3 87.5#
76	0.0 39.0 58.6#



#16

Acetone

Concen: 45.684 ug/l

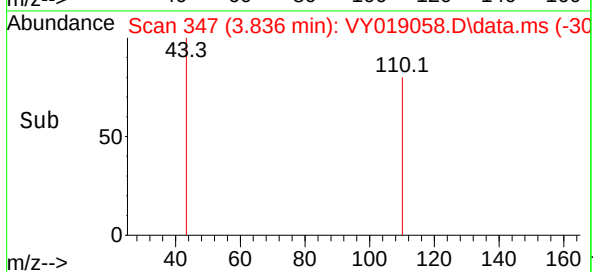
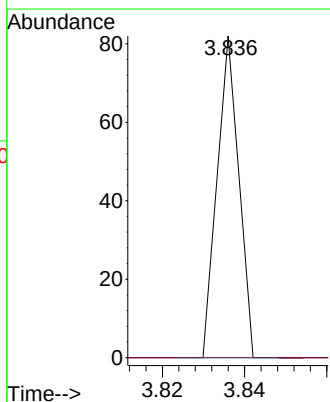
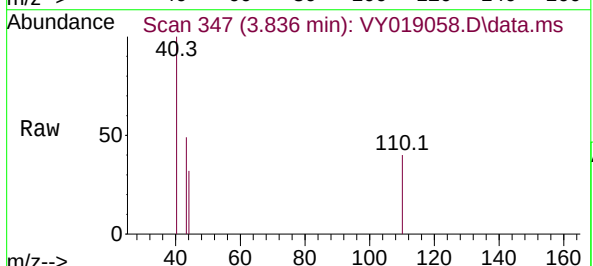
RT: 3.836 min Scan# 347

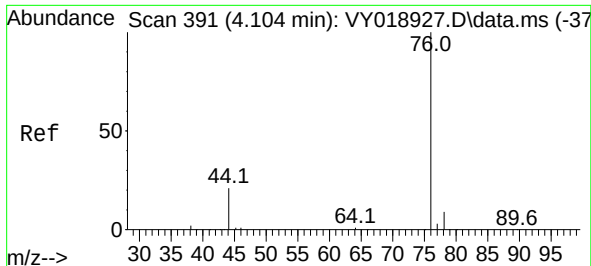
Delta R.T. -0.018 min

Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

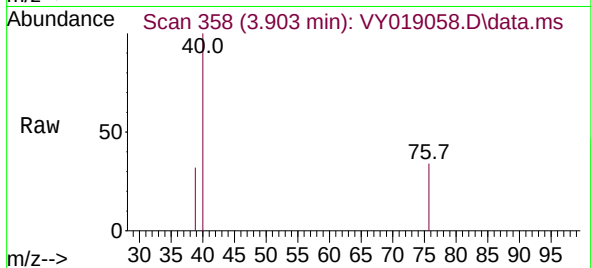
Tgt Ion: 43	Resp: 30
Ion Ratio	Lower Upper
43	100
58	0.0 31.7 47.5#



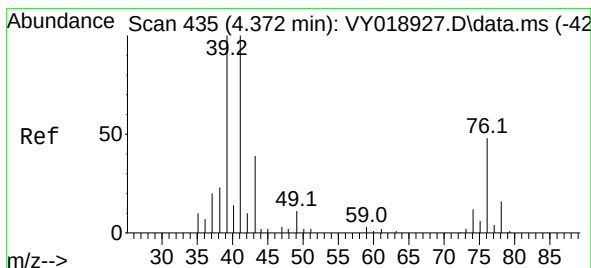
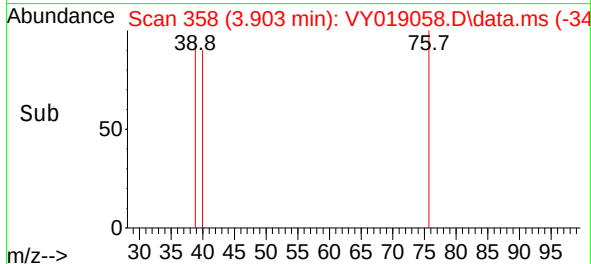
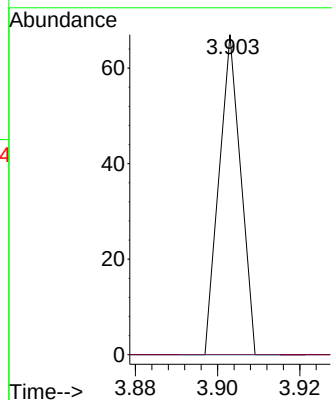


#17
Carbon Disulfide
Concen: 2.436 ug/l
RT: 3.903 min Scan# 391
Delta R.T. -0.201 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Instrument :
MSVOA_Y
ClientSampleId :

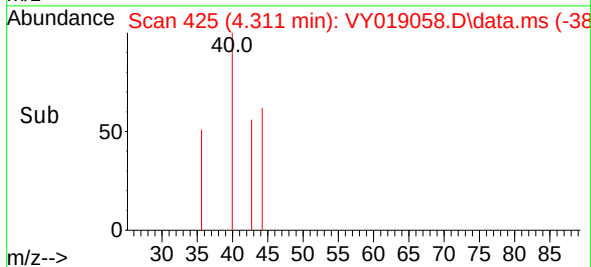
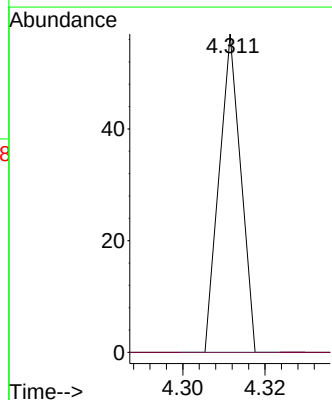
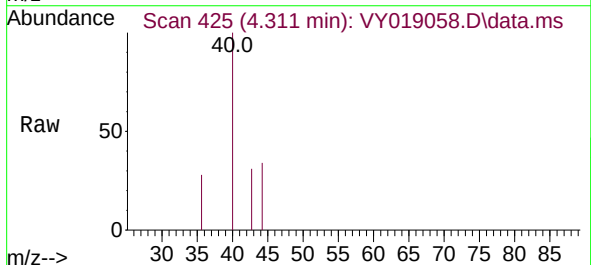


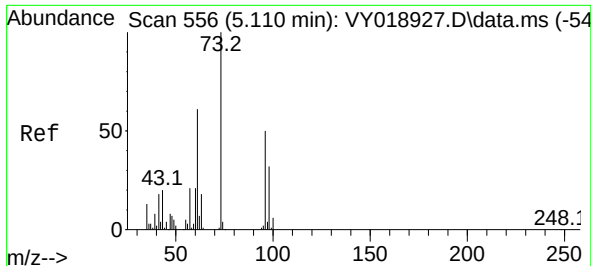
Tgt Ion: 76 Resp: 25
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#18
Methyl Acetate
Concen: 11.295 ug/l
RT: 4.311 min Scan# 425
Delta R.T. -0.061 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

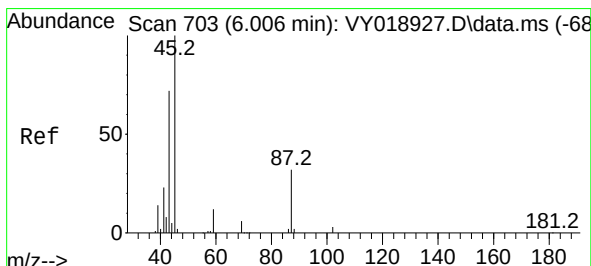
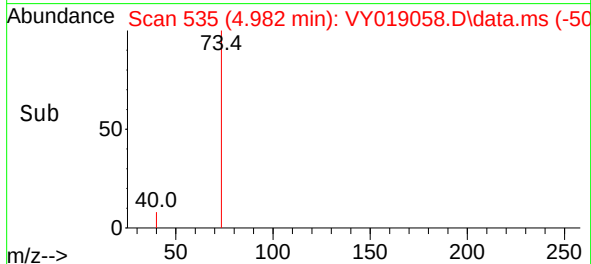
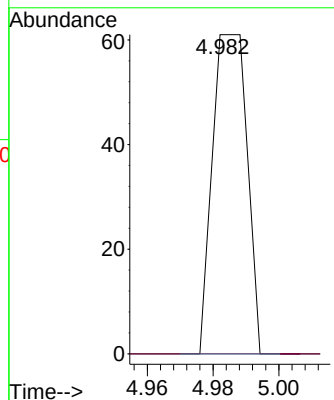
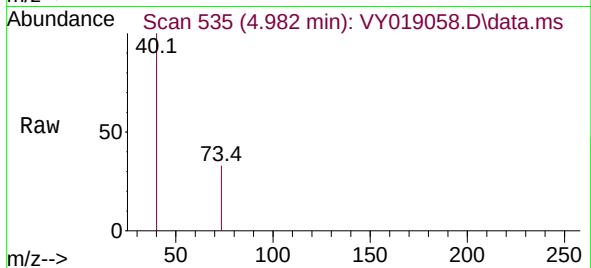




#19
Methyl tert-butyl Ether
Concen: 5.300 ug/l
RT: 4.982 min Scan# 51
Delta R.T. -0.128 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

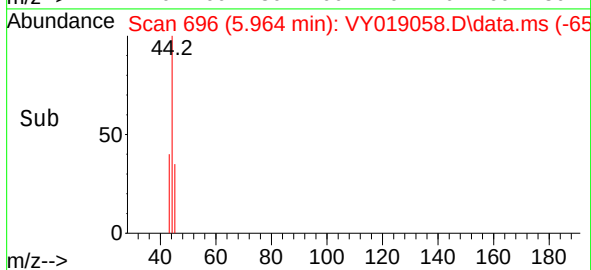
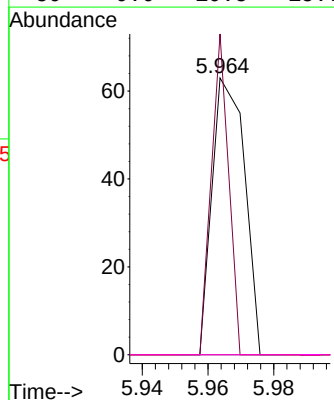
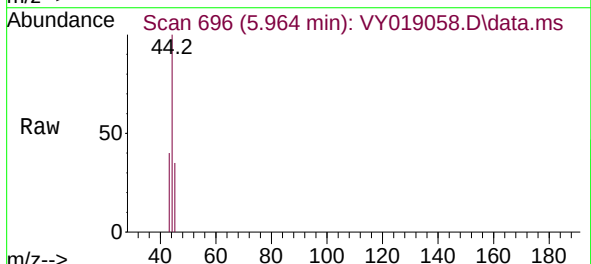
Instrument :
MSVOA_Y
ClientSampleId :

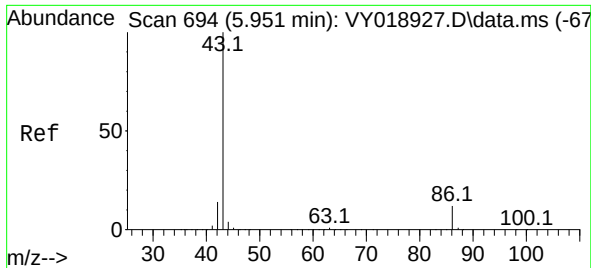
Tgt Ion: 73 Resp: 45
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#



#22
Diisopropyl ether
Concen: 4.272 ug/l
RT: 5.964 min Scan# 696
Delta R.T. -0.043 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion: 45 Resp: 43
Ion Ratio Lower Upper
45 100
43 115.9 42.2 63.2#
87 0.0 25.0 37.6#
59 0.0 10.5 15.7#

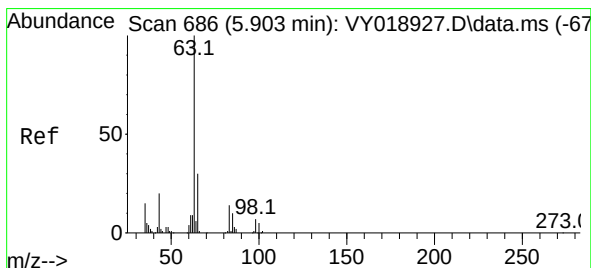
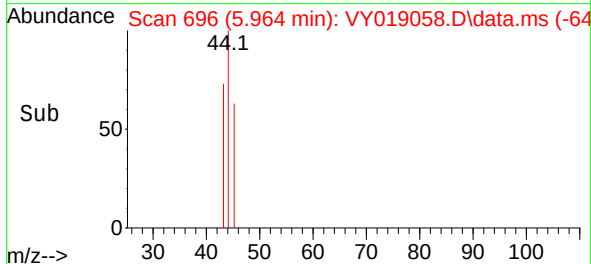
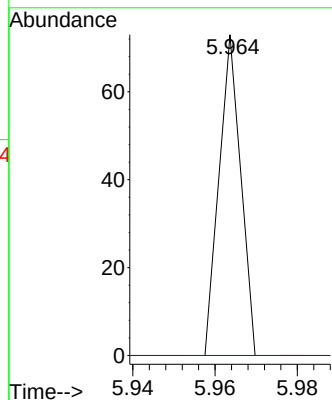
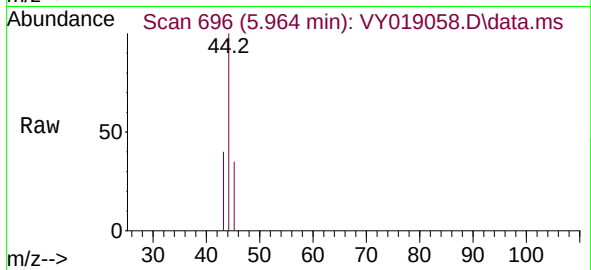




#23
Vinyl Acetate
Concen: 3.108 ug/l
RT: 5.964 min Scan# 61
Delta R.T. 0.012 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

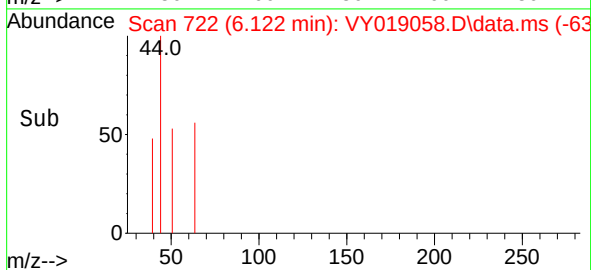
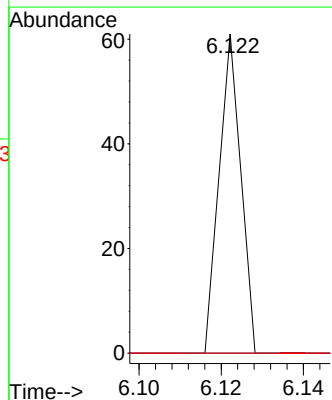
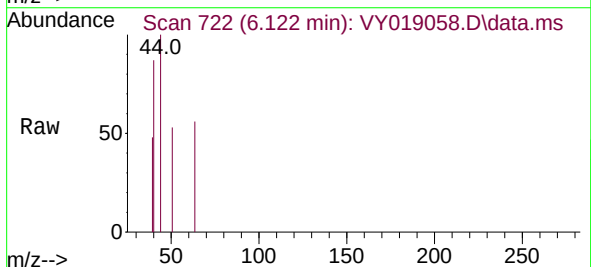
Instrument :
MSVOA_Y
ClientSampleId :

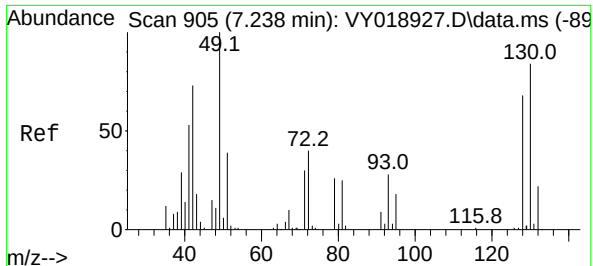
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
86 0.0 10.6 16.0#



#24
1,1-Dichloroethane
Concen: 3.563 ug/l
RT: 6.122 min Scan# 722
Delta R.T. 0.219 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
98 0.0 4.0 12.2#
100 0.0 2.6 8.0#





#28

Bromochloromethane

Concen: 6.684 ug/l

RT: 7.079 min Scan# 81

Delta R.T. -0.159 min

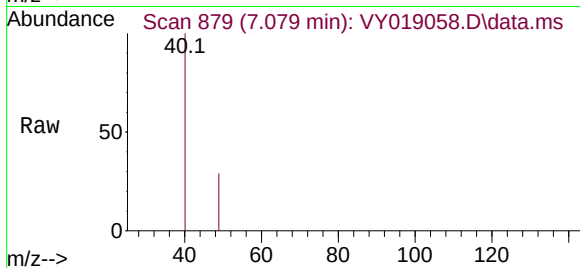
Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

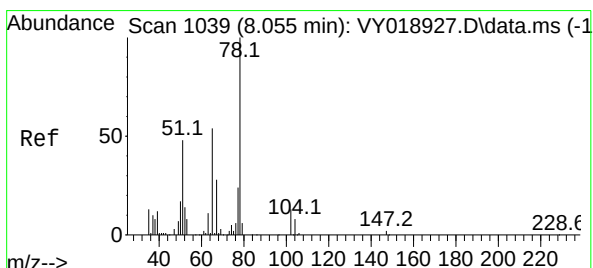
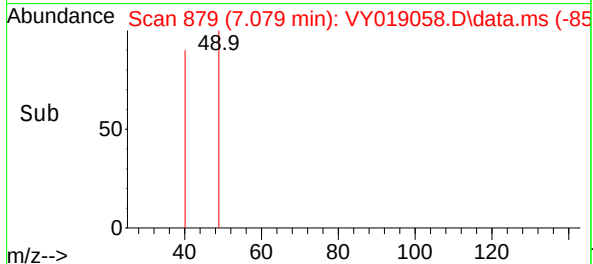
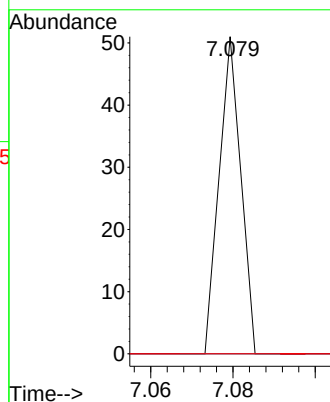
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	49	Resp:	19
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	72.7	109.1#



#33

1,2-Dichloroethane-d4

Concen: 54.706 ug/l

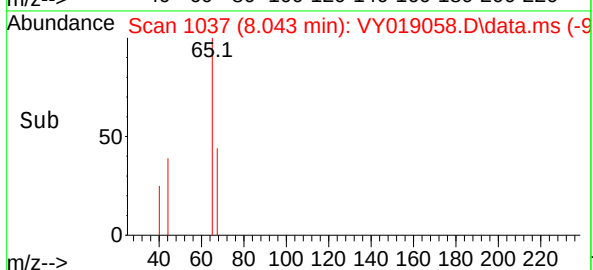
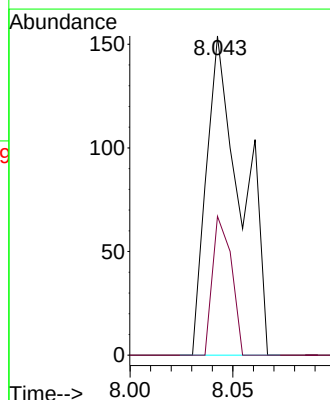
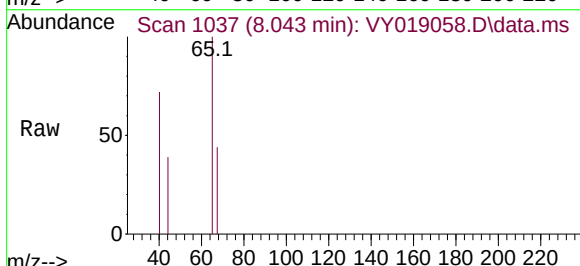
RT: 8.043 min Scan# 1037

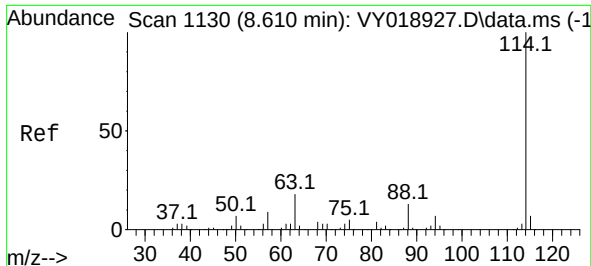
Delta R.T. -0.012 min

Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

Tgt Ion:	65	Resp:	183
Ion	Ratio	Lower	Upper
65	100		
67	23.5	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: VY019058.D

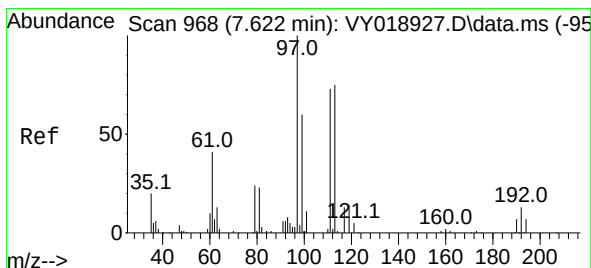
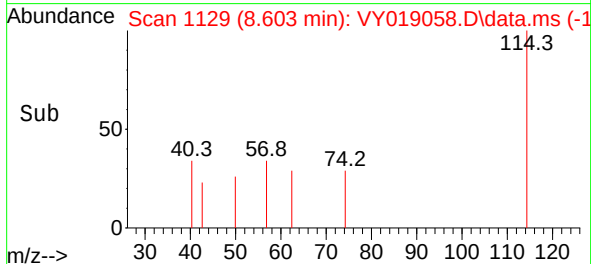
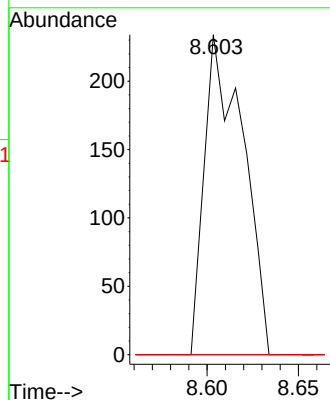
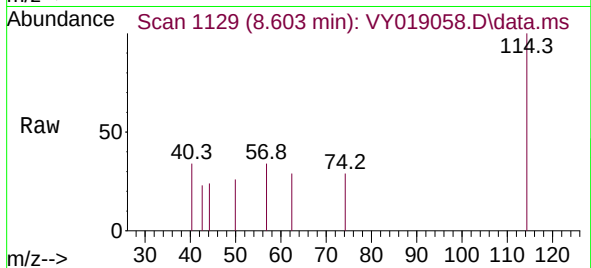
Acq: 14 Aug 2024 15:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	345
Ion	Ratio	Lower Upper
114	100	
63	0.0	0.0 35.0
88	0.0	0.0 27.2



#35

Dibromofluoromethane

Concen: 67.621 ug/l

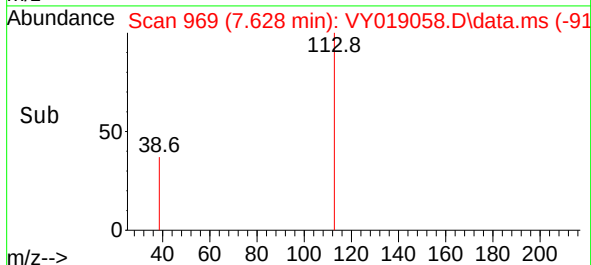
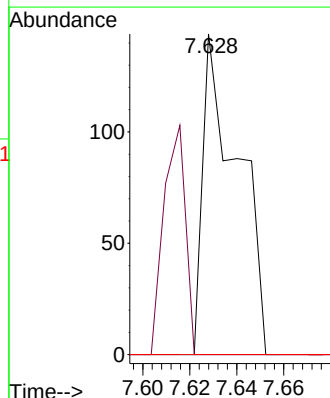
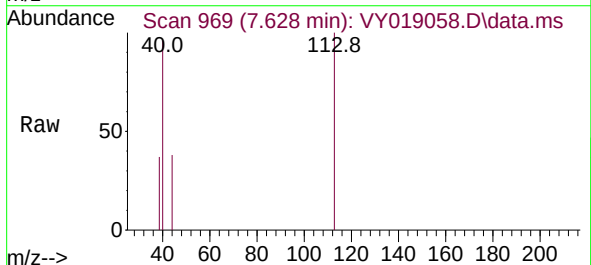
RT: 7.628 min Scan# 969

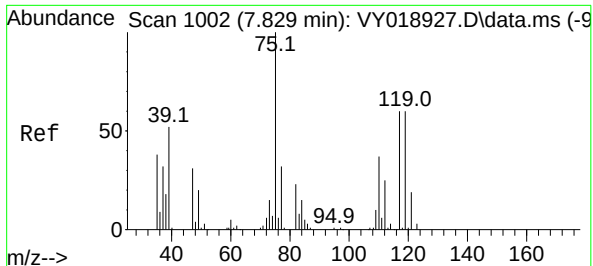
Delta R.T. 0.006 min

Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

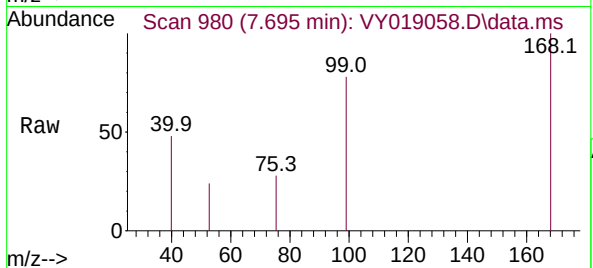
Tgt Ion:113	Resp:	149
Ion	Ratio	Lower Upper
113	100	
111	44.3	82.2 123.4#
192	0.0	15.9 23.9#



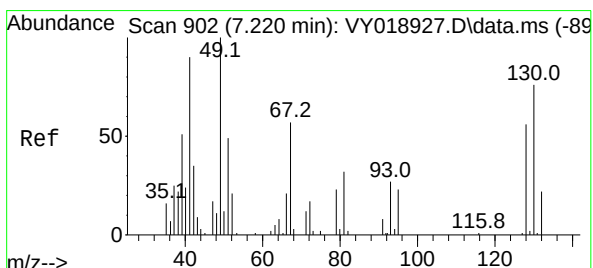
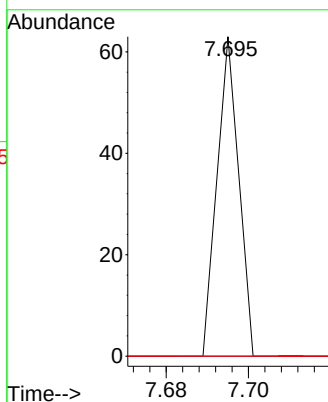
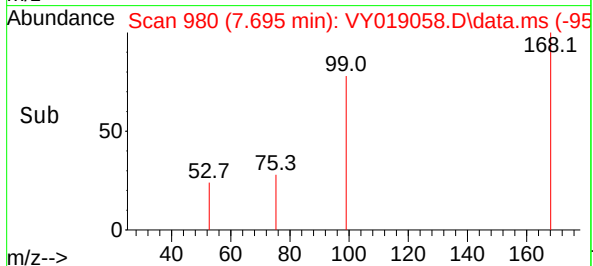


#36
1,1-Dichloropropene
Concen: 7.776 ug/l
RT: 7.695 min Scan# 910
Delta R.T. -0.134 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Instrument :
MSVOA_Y
ClientSampleId :

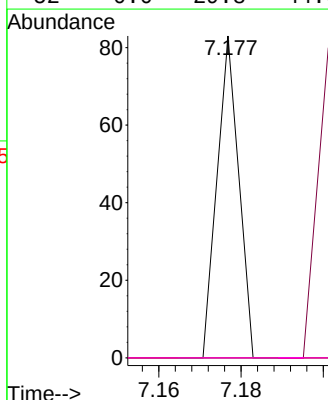
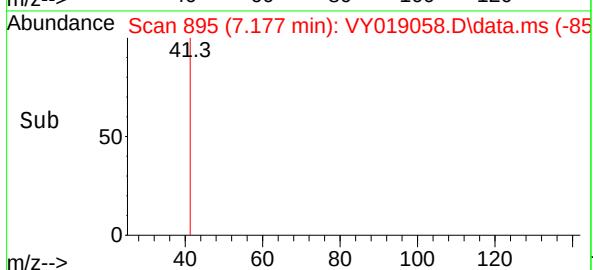
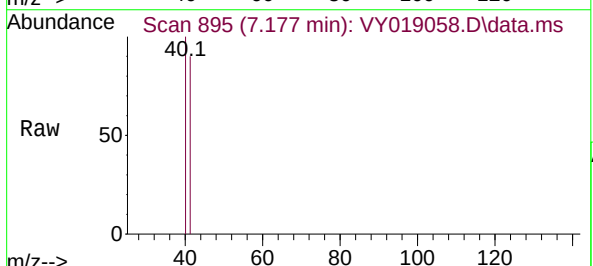


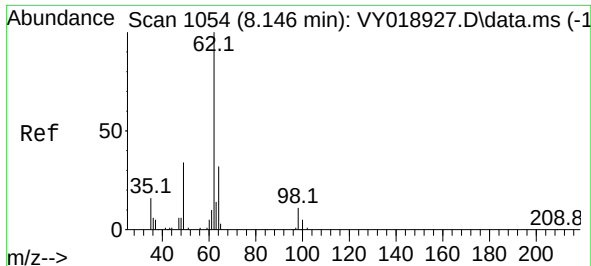
Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 49.603 ug/l
RT: 7.177 min Scan# 895
Delta R.T. -0.043 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion: 41 Resp: 30
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#42

1,2-Dichloroethane

Concen: 18.727 ug/l

RT: 8.079 min Scan# 1182

Delta R.T. -0.067 min

Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

Instrument :

MSVOA_Y

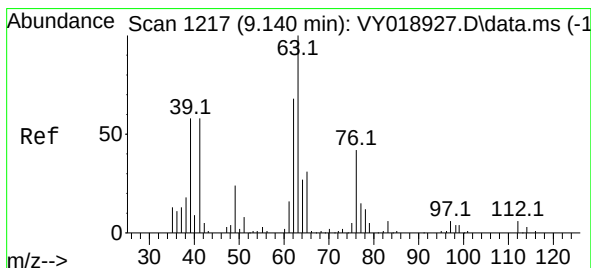
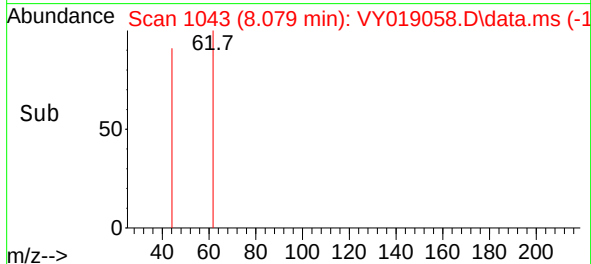
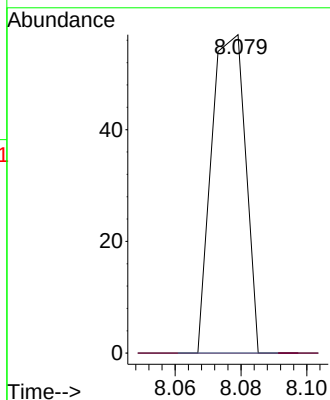
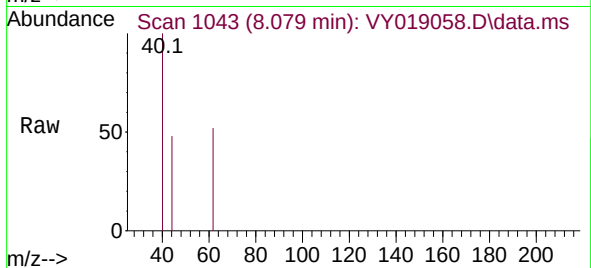
ClientSampleId :

Tgt Ion: 62 Resp: 41

Ion Ratio Lower Upper

62 100

98 0.0 0.0 22.0



#45

1,2-Dichloropropane

Concen: 14.229 ug/l

RT: 8.927 min Scan# 1182

Delta R.T. -0.213 min

Lab File: VY019058.D

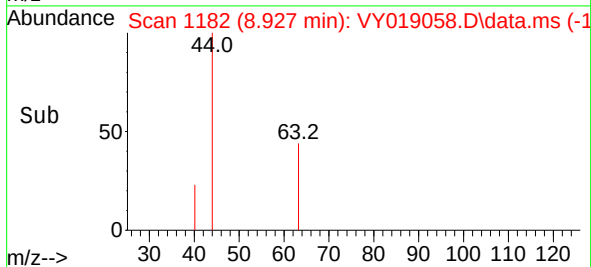
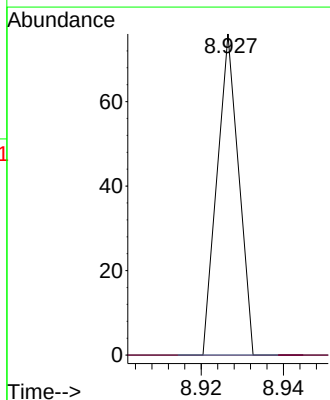
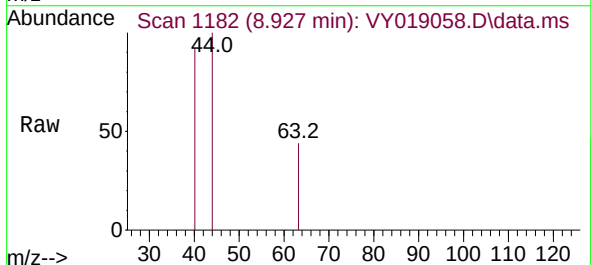
Acq: 14 Aug 2024 15:01

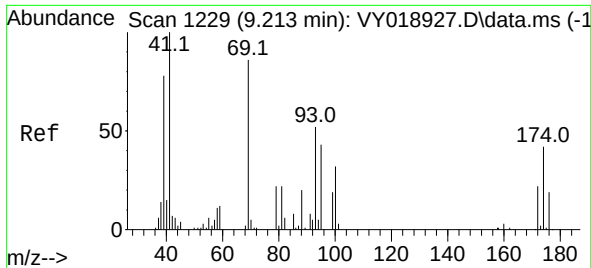
Tgt Ion: 63 Resp: 28

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 29.140 ug/l

RT: 9.231 min Scan# 1229

Delta R.T. 0.018 min

Lab File: VY019058.D

Acq: 14 Aug 2024 15:01

Instrument :

MSVOA_Y

ClientSampleId :

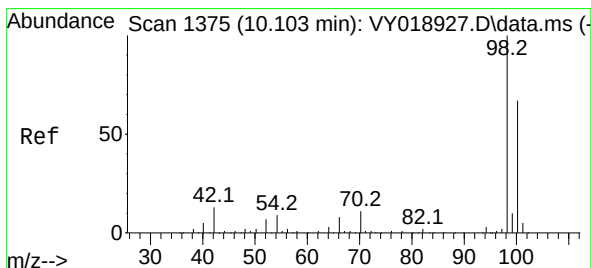
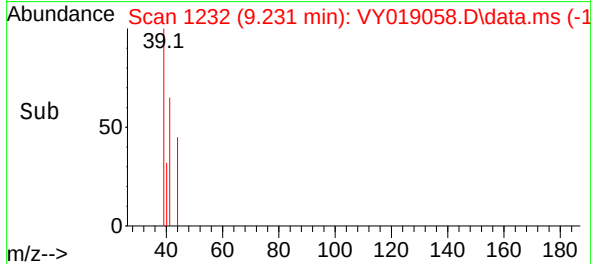
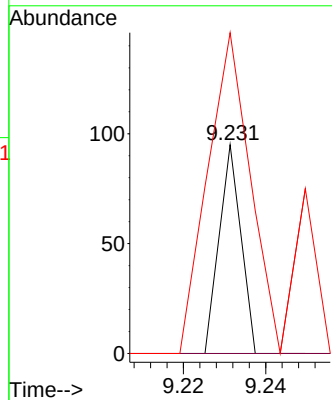
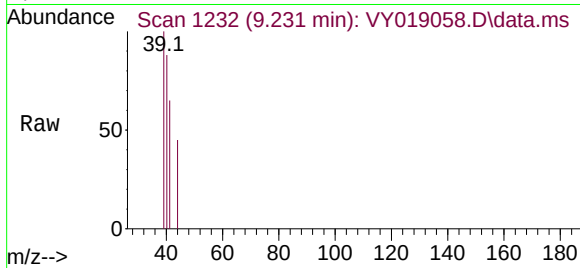
Tgt Ion: 41 Resp: 35

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 300.0 43.6 65.4#



#50

Toluene-d8

Concen: 68.883 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019058.D

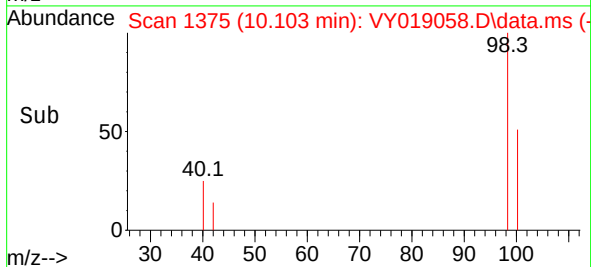
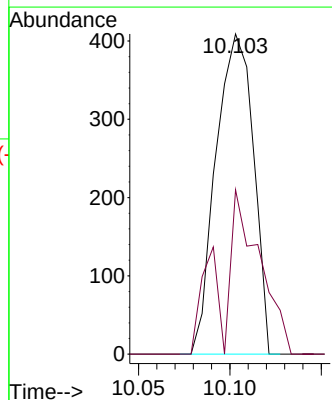
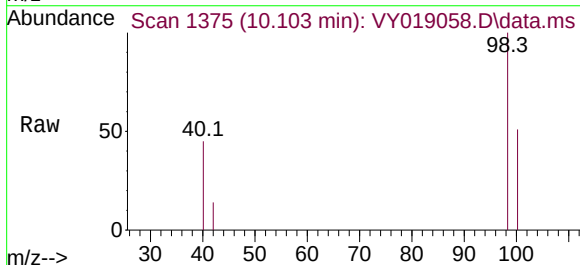
Acq: 14 Aug 2024 15:01

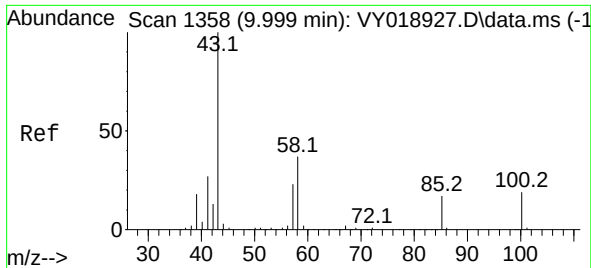
Tgt Ion: 98 Resp: 583

Ion Ratio Lower Upper

98 100

100 39.1 52.0 78.0#

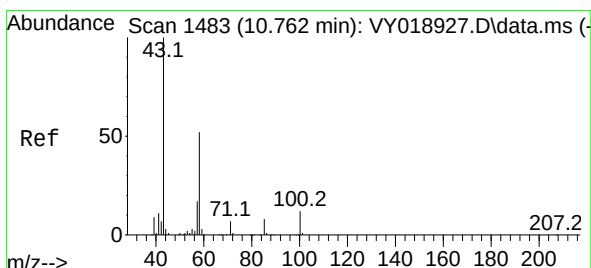
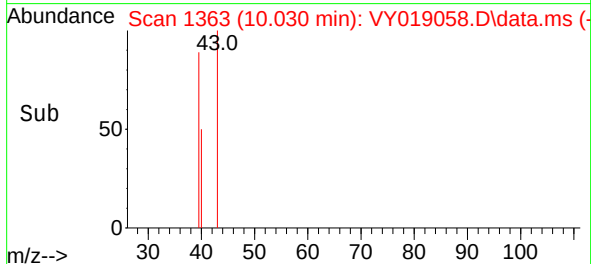
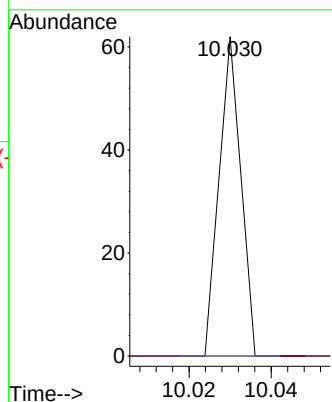
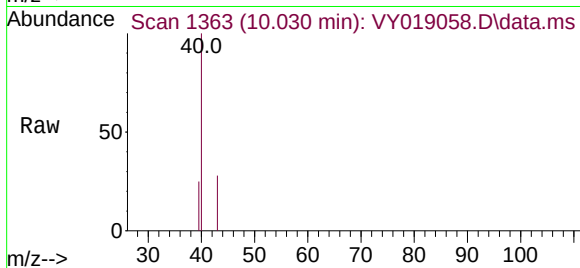




#51
4-Methyl-2-Pentanone
Concen: 16.220 ug/l
RT: 10.030 min Scan# 14
Delta R.T. 0.030 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

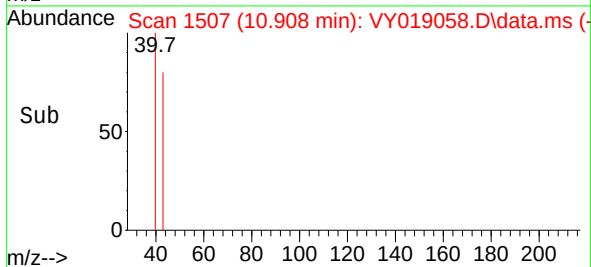
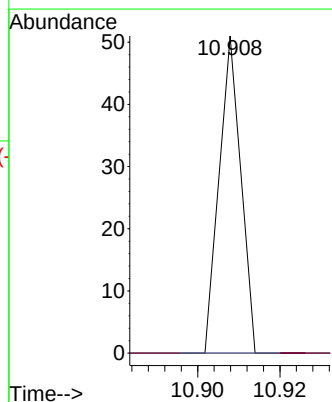
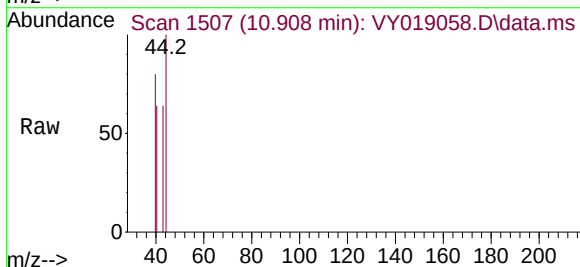
Instrument :
MSVOA_Y
ClientSampleId :

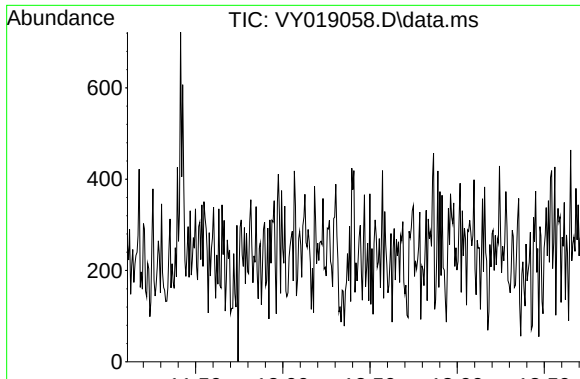
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#59
2-Hexanone
Concen: 18.679 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.146 min
Lab File: VY019058.D
Acq: 14 Aug 2024 15:01

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

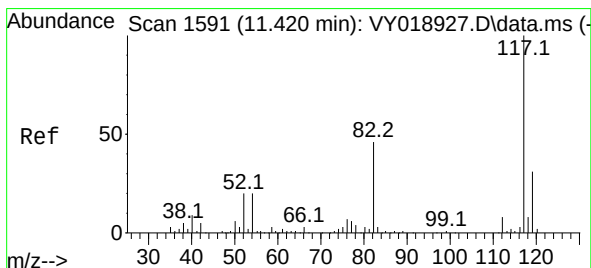
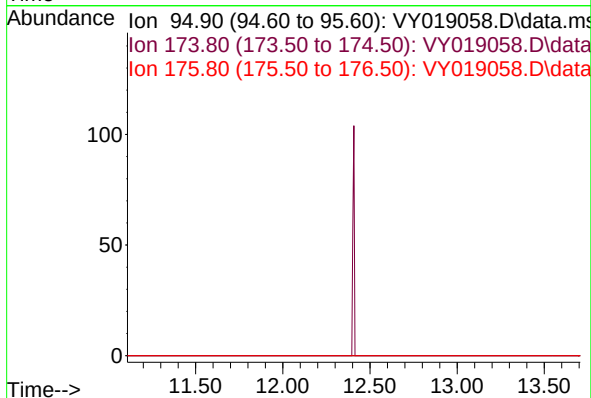




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.41 min
 Lab File: VY019058.D
 Acq: 14 Aug 2024 15:01

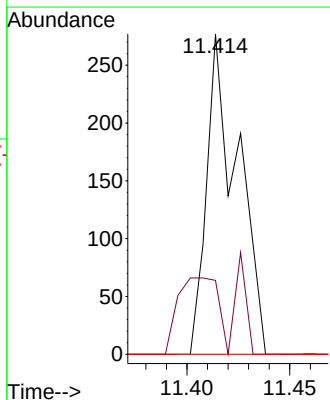
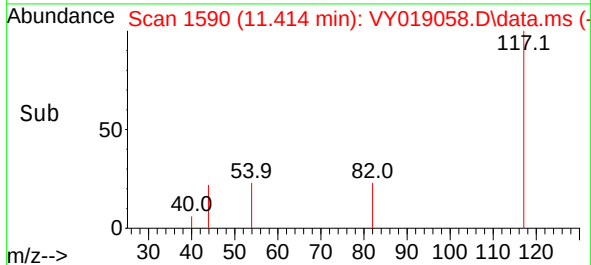
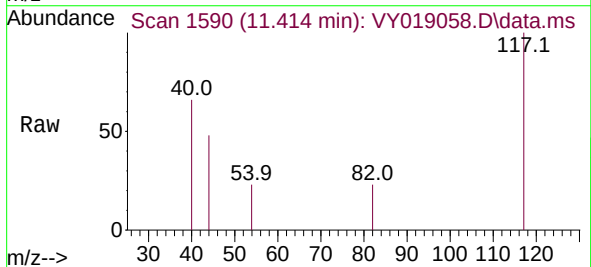
Instrument :
 MSVOA_Y
 ClientSampleId :

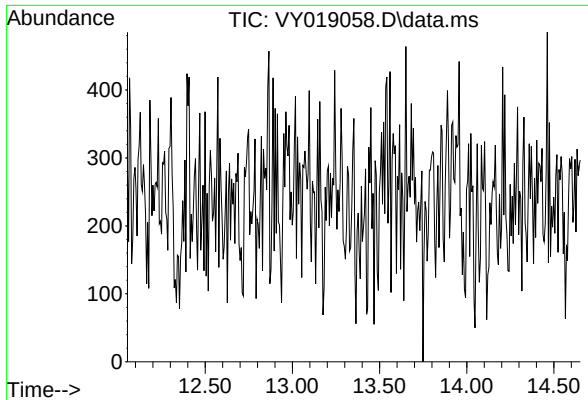
Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 87.8
 176 85.7



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.414 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: VY019058.D
 Acq: 14 Aug 2024 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	23.1	42.4	63.6#
119	0.0	25.9	38.9#





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 13.35 min
 Lab File: VY019058.D
 Acq: 14 Aug 2024 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	56.5
150	172.8

