

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021744.D
 Acq On : 01 Apr 2025 16:15
 Operator : SY/MD
 Sample : Q1688-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-040125

Quant Time: Apr 02 03:24:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

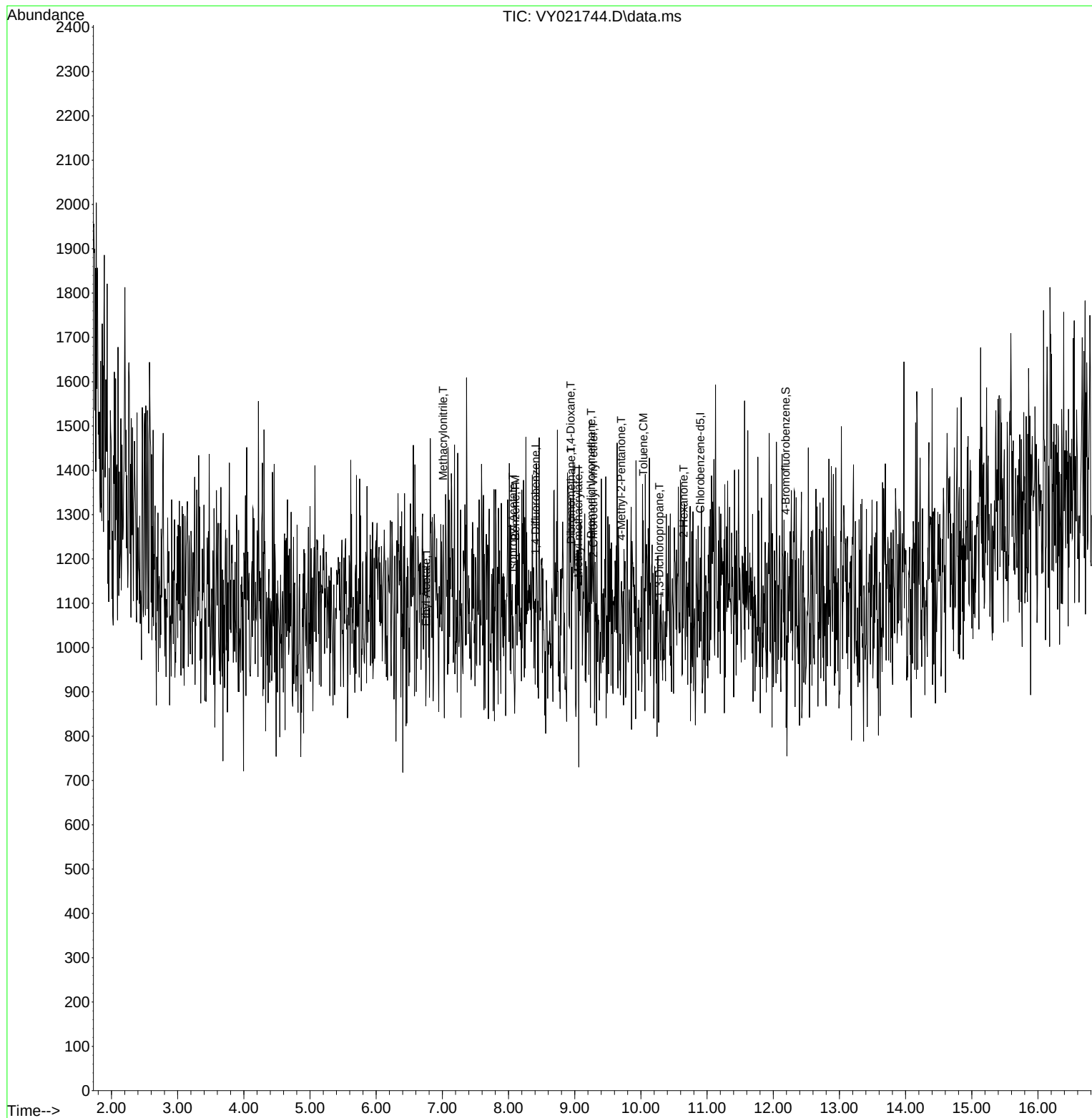
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.71
34) 1,4-Difluorobenzene	8.408	114	49	50.000	ug/l	-0.21
63) Chlorobenzene-d5	10.896	117	27	50.000	ug/l	#-0.52
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.188	95	32	78.237	ug/l	-0.22
Spiked Amount	50.000	Range	30 - 143	Recovery	=	156.480%#
Target Compounds						
					Qvalue	
37) Ethyl Acetate	6.756	43	23	100.662	ug/l #	69
40) Benzene	8.104	78	47	32.416	ug/l #	1
41) Methacrylonitrile	7.012	41	32	263.715	ug/l #	100
43) Isopropyl Acetate	8.067	43	49	113.164	ug/l #	61
46) Dibromomethane	8.945	93	21	106.172	ug/l #	3
47) Bromodichloromethane	9.250	83	22	42.926	ug/l #	25
48) Methyl methacrylate	9.055	41	19	95.608	ug/l #	1
49) 1,4-Dioxane	8.939	88	22	10382.915	ug/l #	5
51) 4-Methyl-2-Pentanone	9.701	43	23	102.071	ug/l #	36
52) Toluene	10.036	92	24	26.531	ug/l #	1
57) 1,3-Dichloropropane	10.280	76	19	43.221	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.280	63	20	126.142	ug/l #	47
59) 2-Hexanone	10.646	43	19	126.609	ug/l #	24

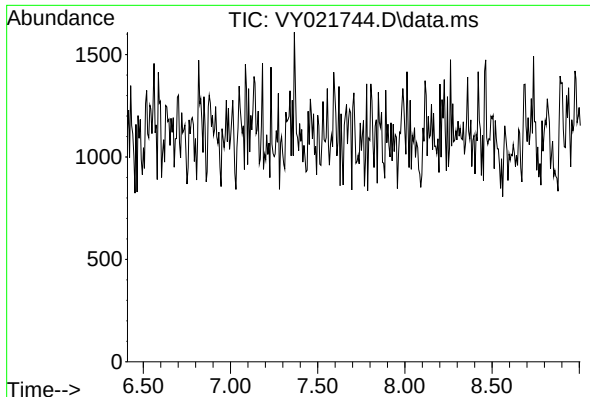
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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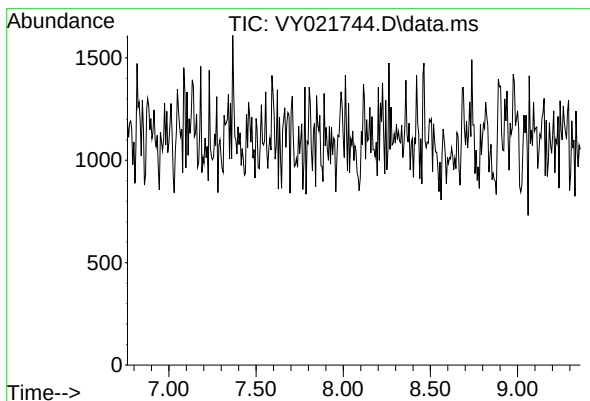
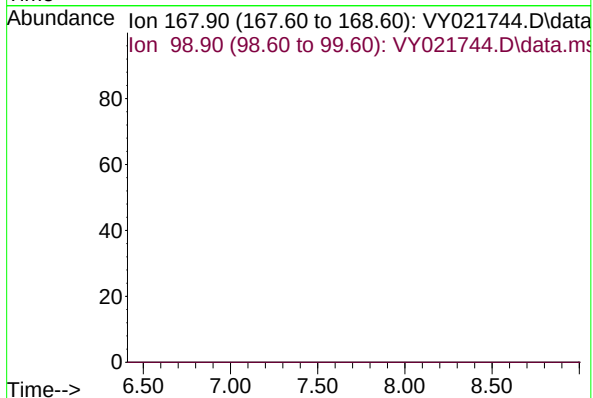


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.71 min

Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125

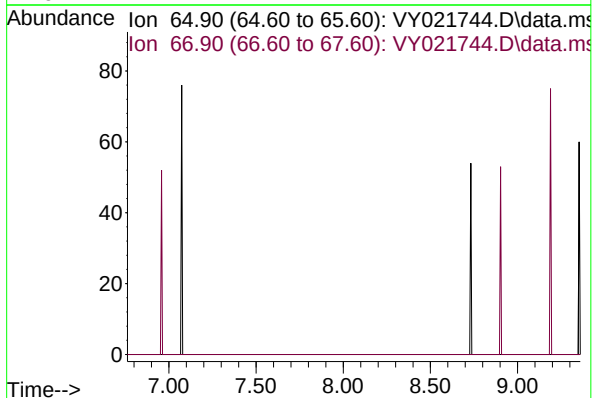
Tgt Ion: 168
Sig Exp Ratio
168 100
99 58.4

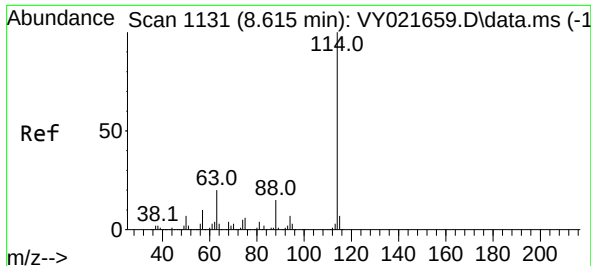


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.06 min

Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion: 65
Sig Exp Ratio
65 100
67 52.3





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.408 min Scan# 1

Delta R.T. -0.207 min

Lab File: VY021744.D

Acq: 01 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-040125

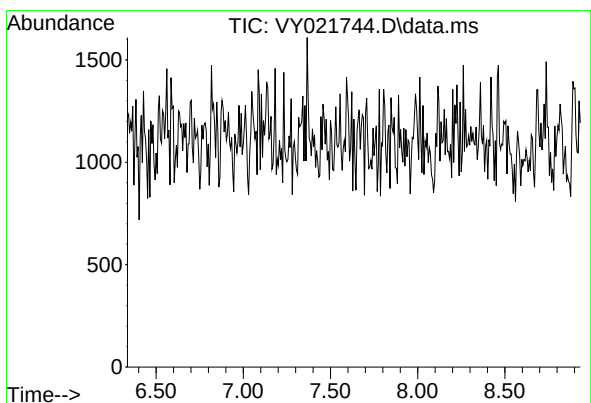
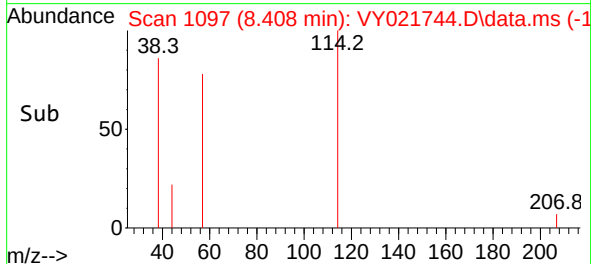
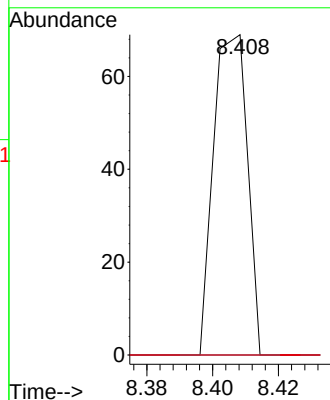
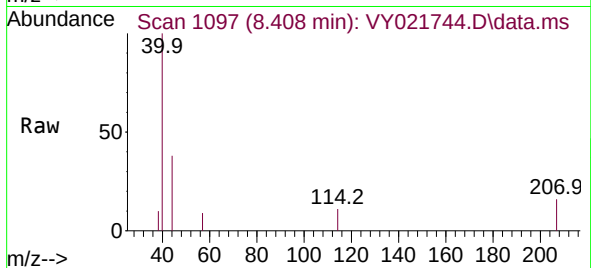
Tgt Ion:114 Resp: 49

Ion Ratio Lower Upper

114 100

63 0.0 0.0 40.2

88 0.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.63 min

Lab File: VY021744.D

Acq: 01 Apr 2025 16:15

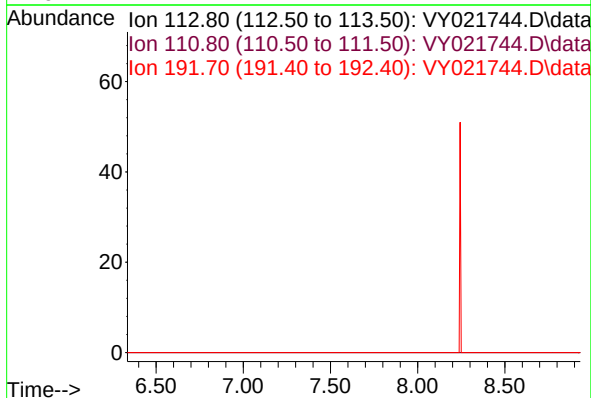
Tgt Ion: 113

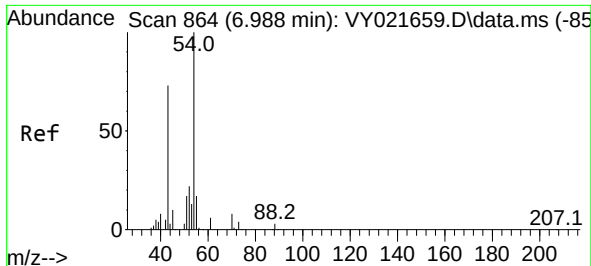
Sig Exp Ratio

113 100

111 103.2

192 20.3





#37

Ethyl Acetate

Concen: 100.662 ug/l

RT: 6.756 min Scan# 81

Delta R.T. -0.231 min

Lab File: VY021744.D

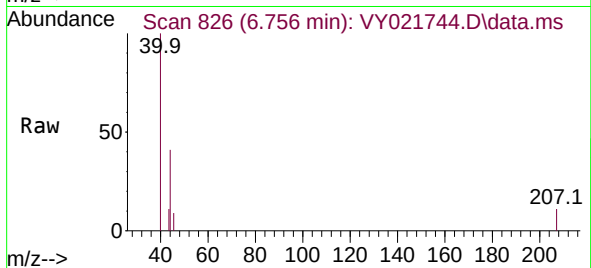
Acq: 01 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-040125



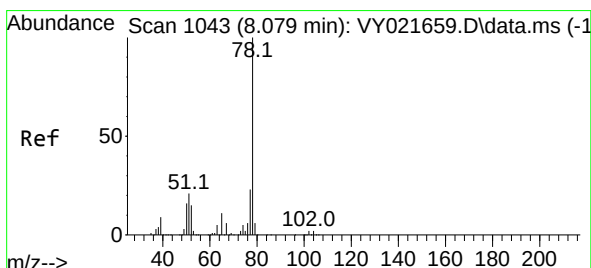
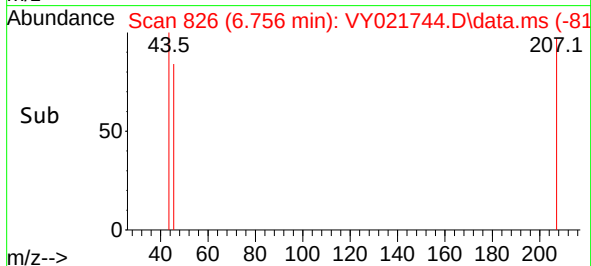
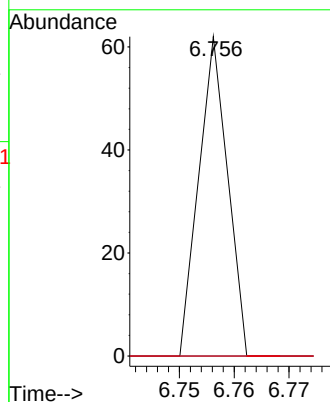
Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.1 12.1#



#40

Benzene

Concen: 32.416 ug/l

RT: 8.104 min Scan# 1047

Delta R.T. 0.025 min

Lab File: VY021744.D

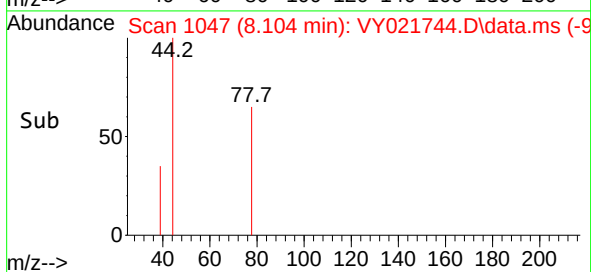
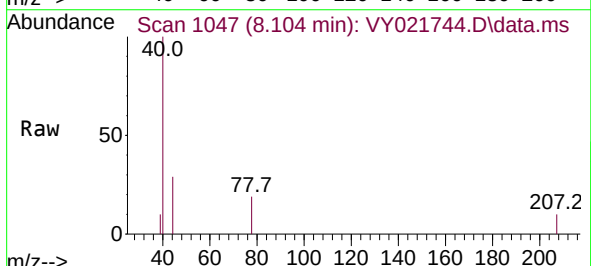
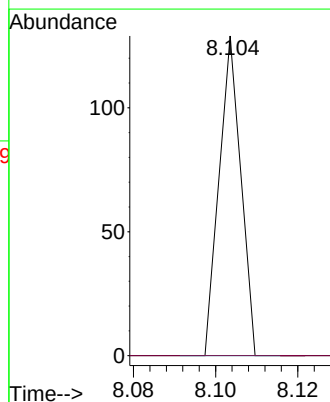
Acq: 01 Apr 2025 16:15

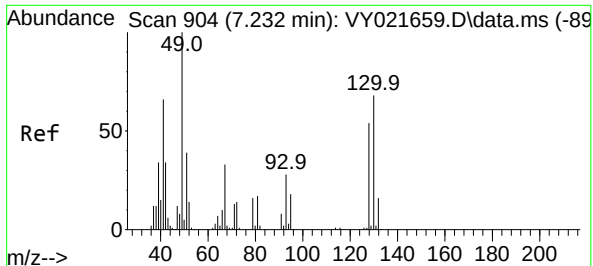
Tgt Ion: 78 Resp: 47

Ion Ratio Lower Upper

78 100

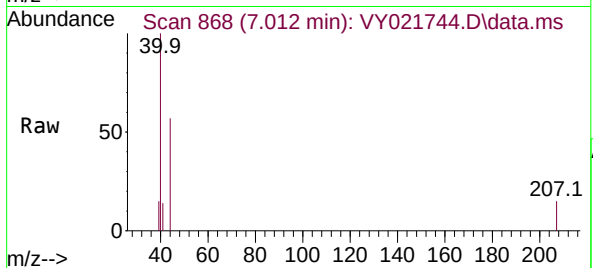
77 100.0 18.8 28.2#



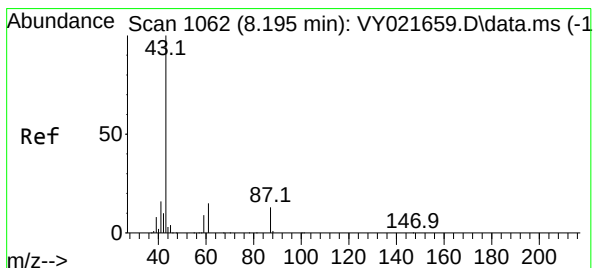
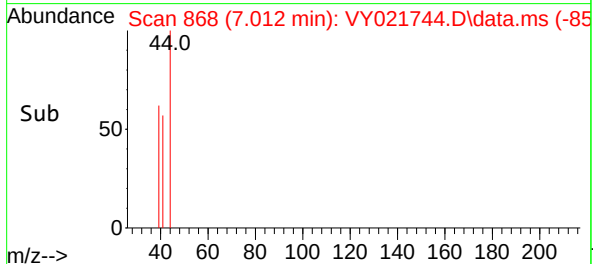
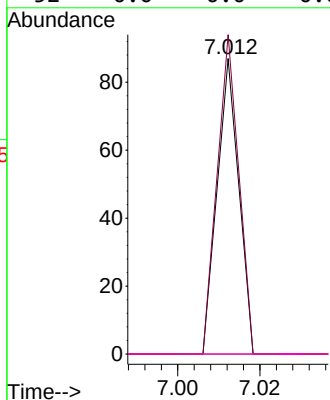


#41
Methacrylonitrile
Concen: 263.715 ug/l
RT: 7.012 min Scan# 80
Delta R.T. -0.219 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125

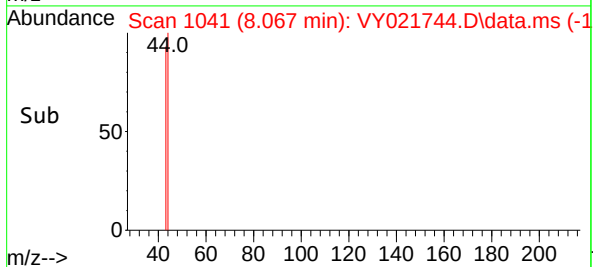
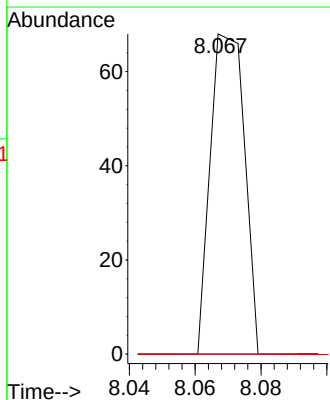
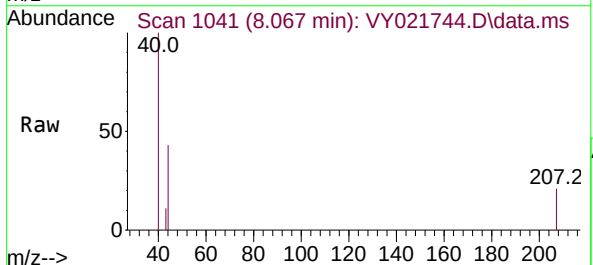


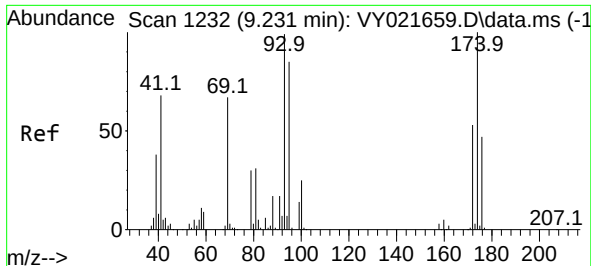
Tgt Ion:	41	Resp:	32
Ion	Ratio	Lower	Upper
41	100		
39	106.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 113.164 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.128 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion:	43	Resp:	49
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.9	23.9#
87	0.0	10.4	15.6#

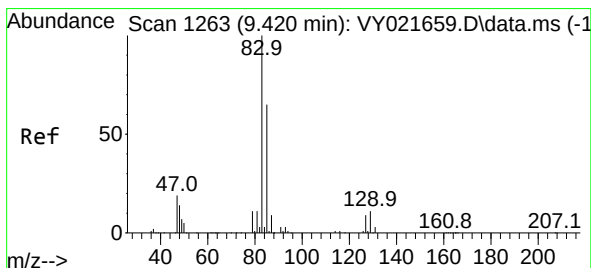
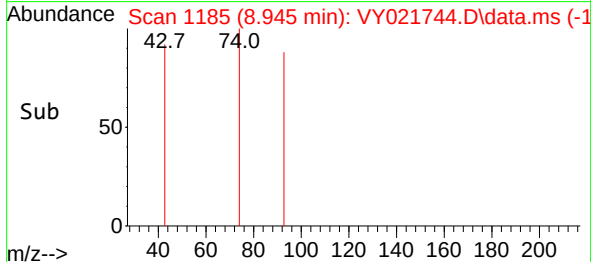
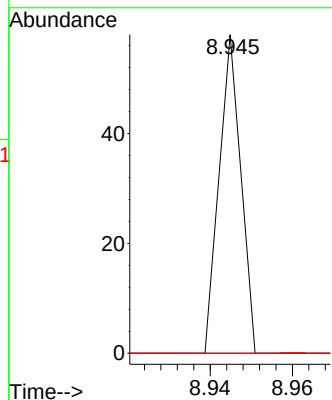
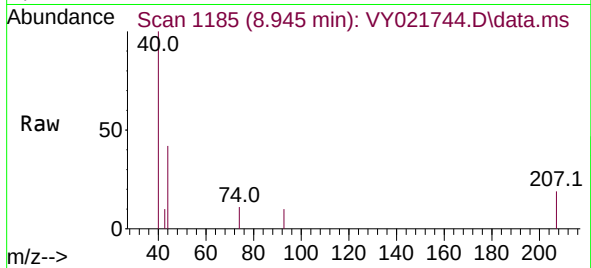




#46
Dibromomethane
Concen: 106.172 ug/l
RT: 8.945 min Scan# 1185
Delta R.T. -0.286 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

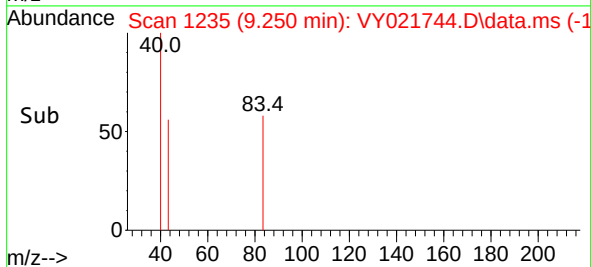
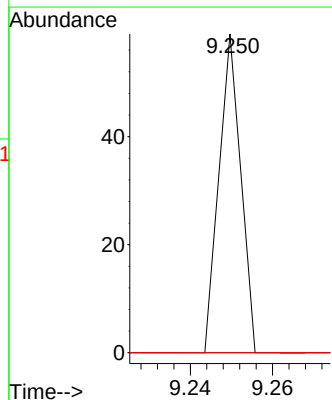
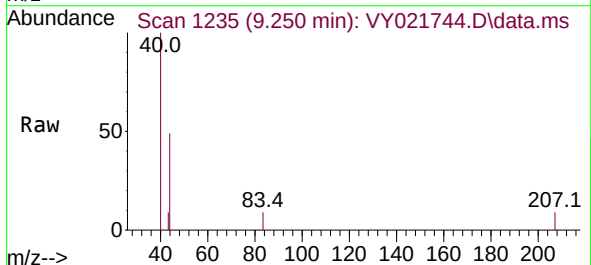
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125

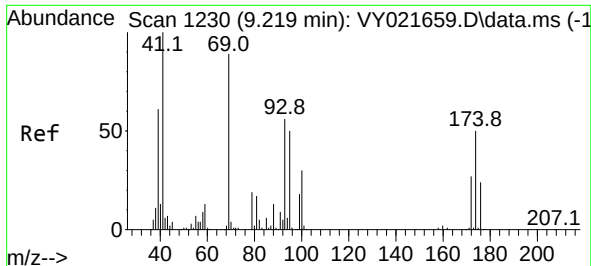
Tgt Ion: 93 Resp: 21
Ion Ratio Lower Upper
93 100
95 0.0 68.1 102.1#
174 0.0 80.9 121.3#



#47
Bromodichloromethane
Concen: 42.926 ug/l
RT: 9.250 min Scan# 1235
Delta R.T. -0.171 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion: 83 Resp: 22
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#
127 0.0 6.8 10.2#





#48

Methyl methacrylate

Concen: 95.608 ug/l

RT: 9.055 min Scan# 1184

Delta R.T. -0.164 min

Lab File: VY021744.D

Acq: 01 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-040125

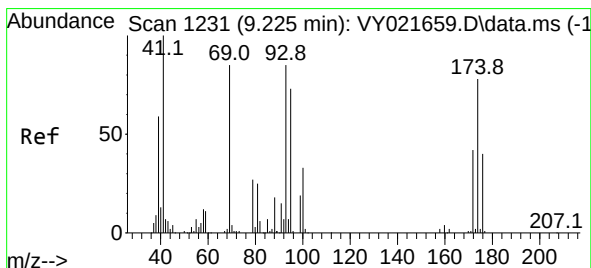
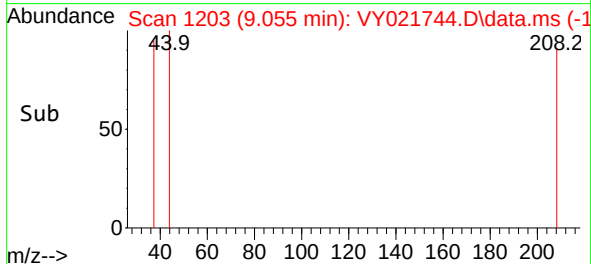
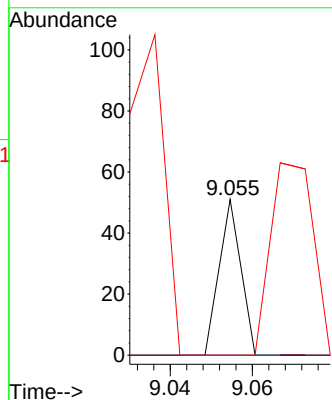
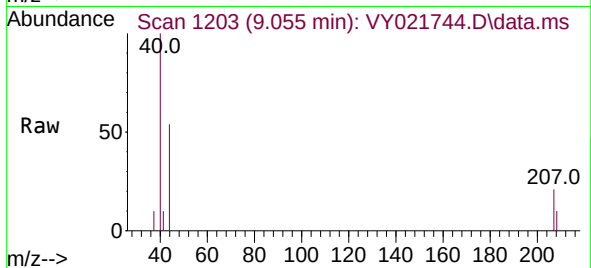
Tgt Ion: 41 Resp: 19

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.8#

39 236.8 47.2 70.8#



#49

1,4-Dioxane

Concen: 10382.915 ug/l

RT: 8.939 min Scan# 1184

Delta R.T. -0.286 min

Lab File: VY021744.D

Acq: 01 Apr 2025 16:15

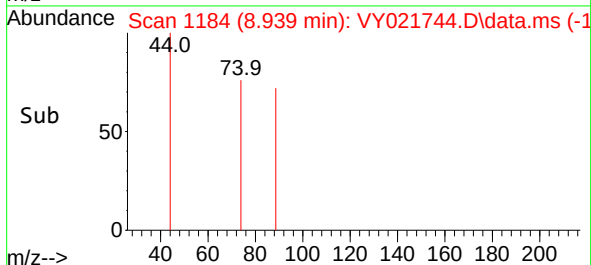
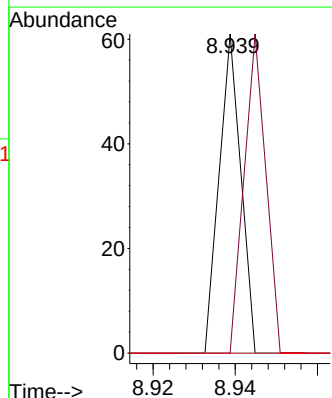
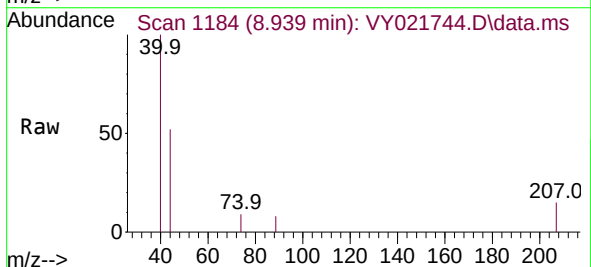
Tgt Ion: 88 Resp: 22

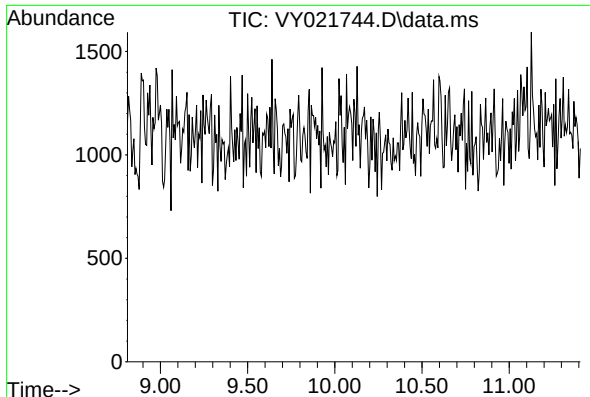
Ion Ratio Lower Upper

88 100

43 100.0 28.8 43.2#

58 0.0 59.4 89.2#



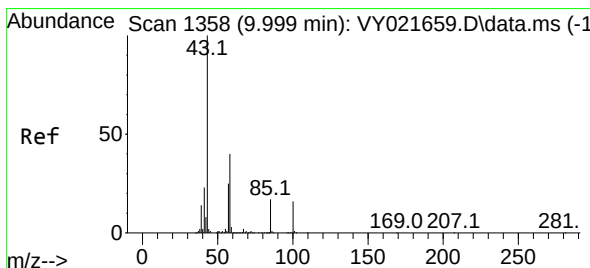
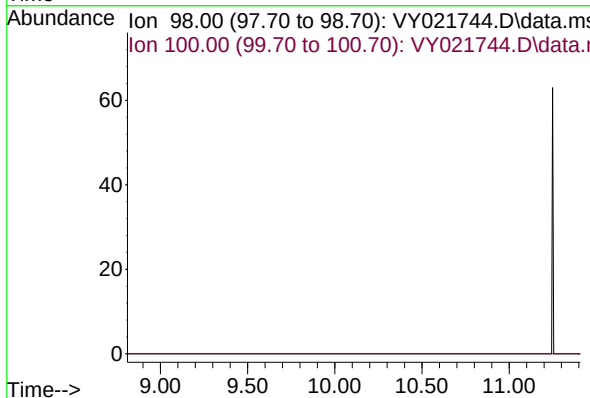


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.11 min

Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

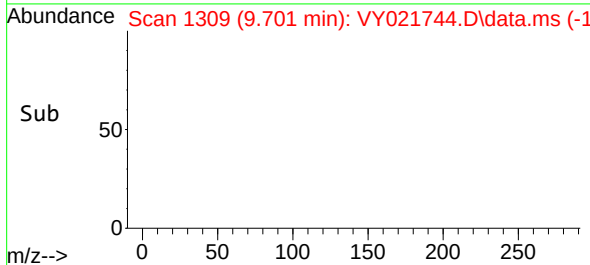
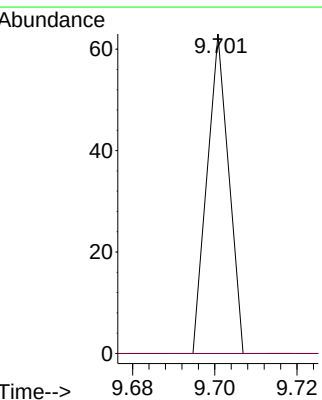
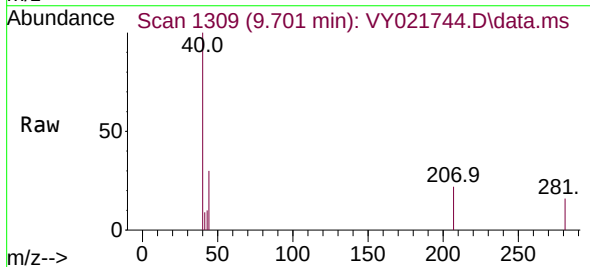
Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.1

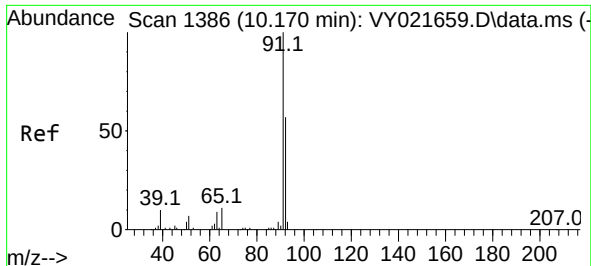
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125



#51
4-Methyl-2-Pentanone
Concen: 102.071 ug/l
RT: 9.701 min Scan# 1309
Delta R.T. -0.299 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
58 0.0 31.5 47.3#

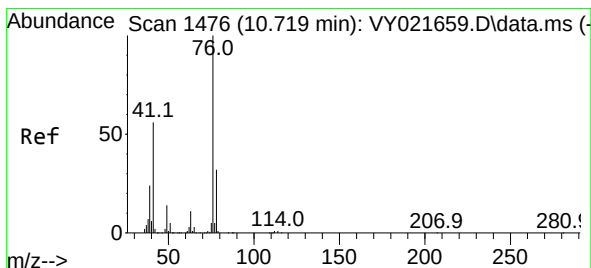
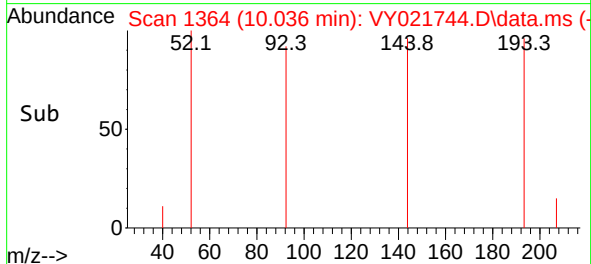
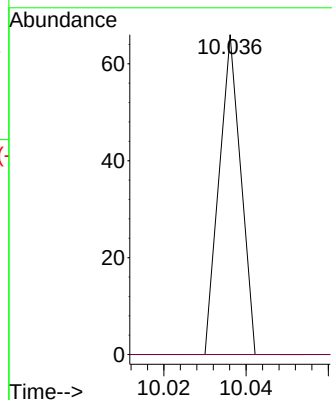
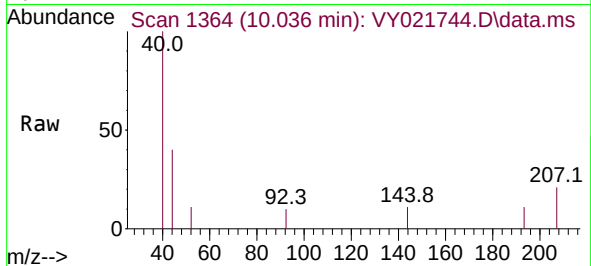




#52
Toluene
Concen: 26.531 ug/l
RT: 10.036 min Scan# 11
Delta R.T. -0.134 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

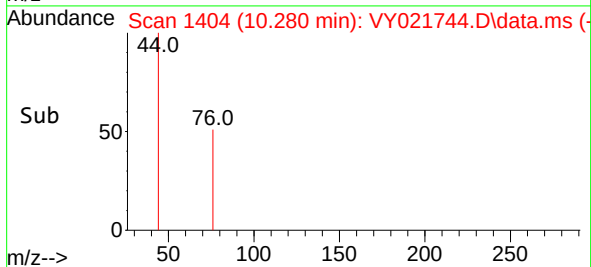
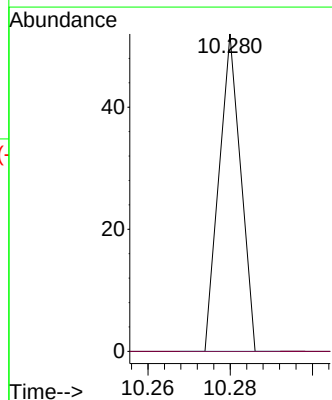
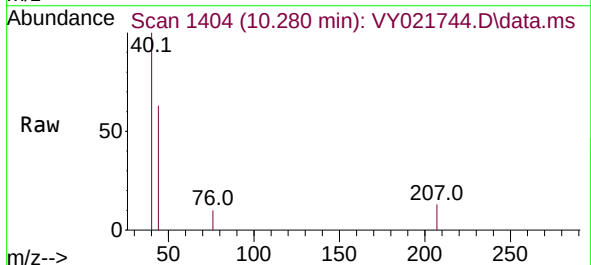
Instrument :
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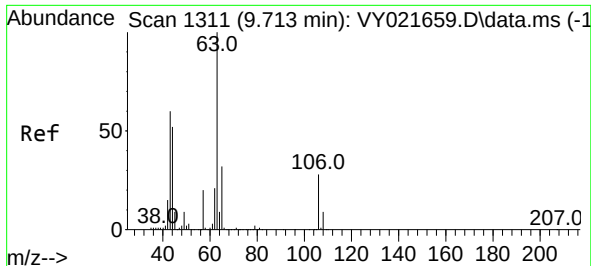
Tgt Ion: 92 Resp: 24
Ion Ratio Lower Upper
92 100
91 0.0 138.6 207.8#



#57
1,3-Dichloropropane
Concen: 43.221 ug/l
RT: 10.280 min Scan# 1404
Delta R.T. -0.439 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion: 76 Resp: 19
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

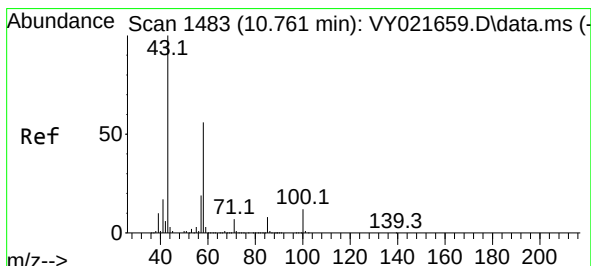
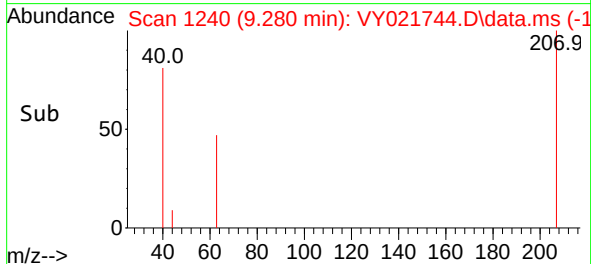
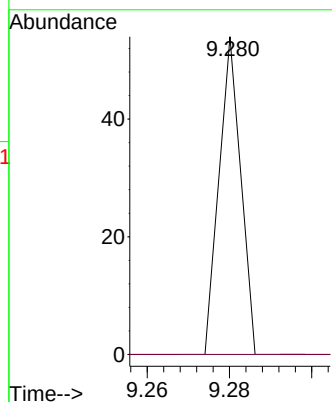
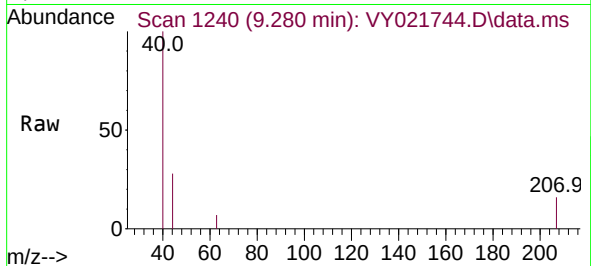




#58
2-Chloroethyl Vinyl ether
Concen: 126.142 ug/l
RT: 9.280 min Scan# 11
Delta R.T. -0.433 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

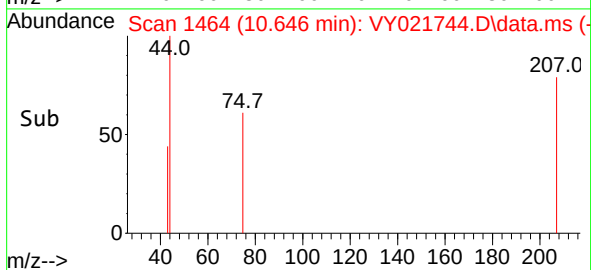
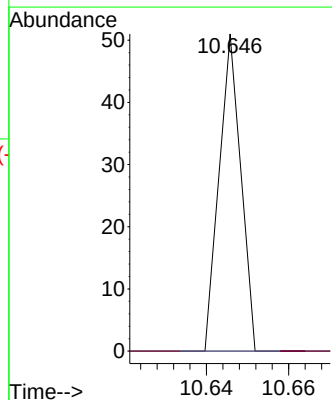
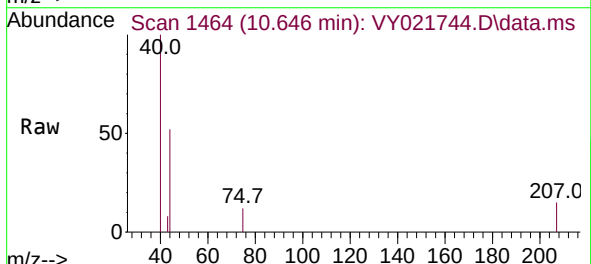
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125

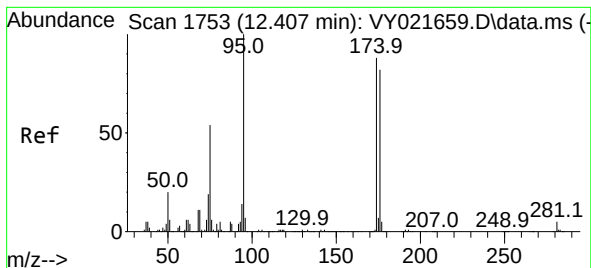
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.4 33.6#



#59
2-Hexanone
Concen: 126.609 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.116 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#

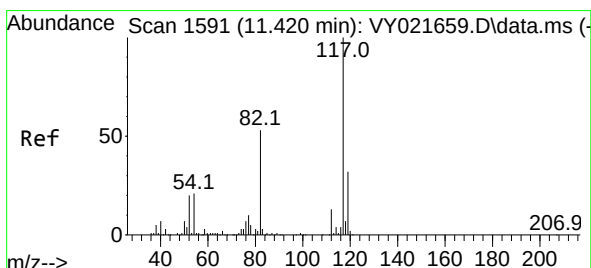
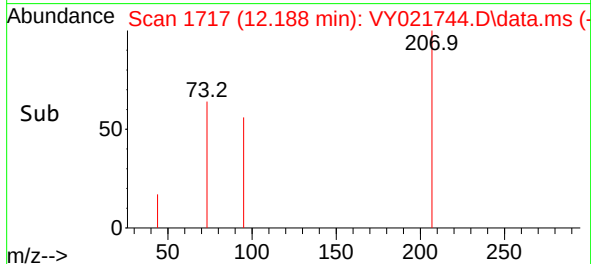
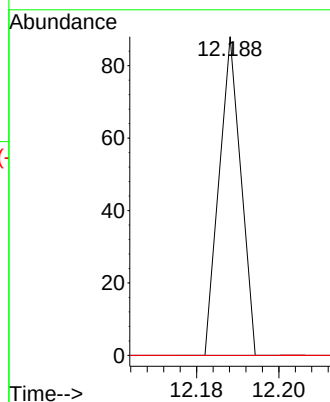
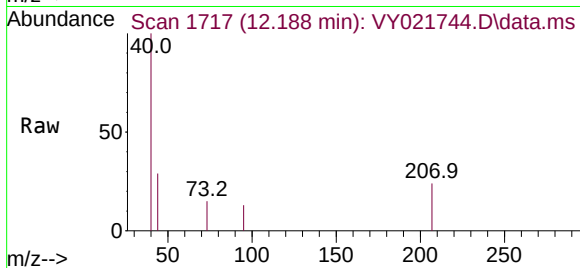




#62
4-Bromofluorobenzene
Concen: 78.237 ug/l
RT: 12.188 min Scan# 11
Delta R.T. -0.219 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

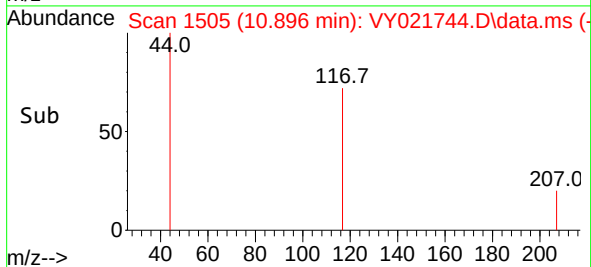
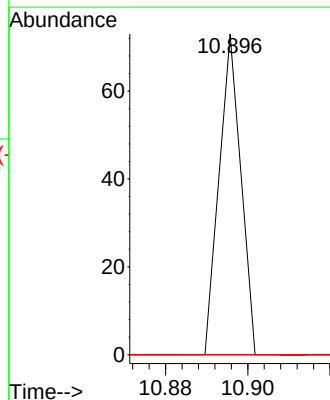
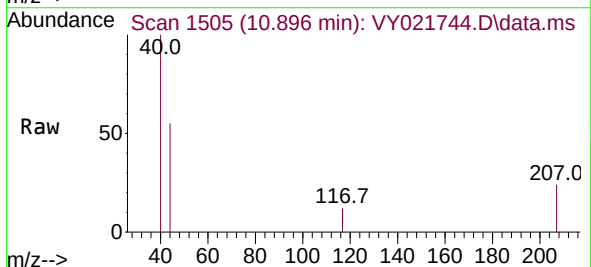
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125

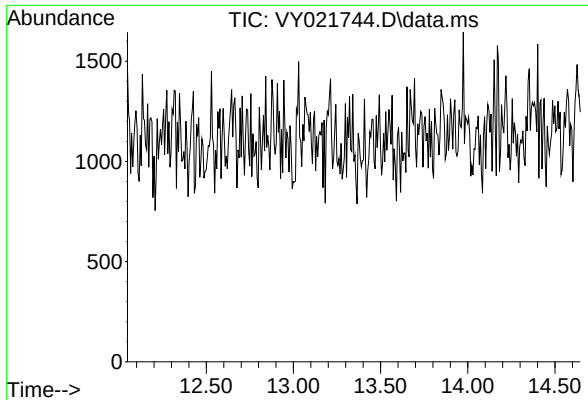
Tgt Ion: 95 Resp: 32
Ion Ratio Lower Upper
95 100
174 0.0 0.0 170.8
176 0.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.896 min Scan# 1505
Delta R.T. -0.524 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Tgt Ion: 117 Resp: 27
Ion Ratio Lower Upper
117 100
82 0.0 42.8 64.2#
119 0.0 25.7 38.5#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min
Lab File: VY021744.D
Acq: 01 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-040125

Tgt Ion: 152
Sig Exp Ratio
152 100
115 57.7
150 174.2

