

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021602.D
 Acq On : 21 Mar 2025 16:12
 Operator : SY/MD
 Sample : Q1606-05
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4534

Quant Time: Mar 21 23:12:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 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	8.622	114	85	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.457	117	43	50.000	ug/l	# 0.04
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	7.634	113	20	35.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	71.600%
50) Toluene-d8	10.103	98	29	13.708	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	27.420%#
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#

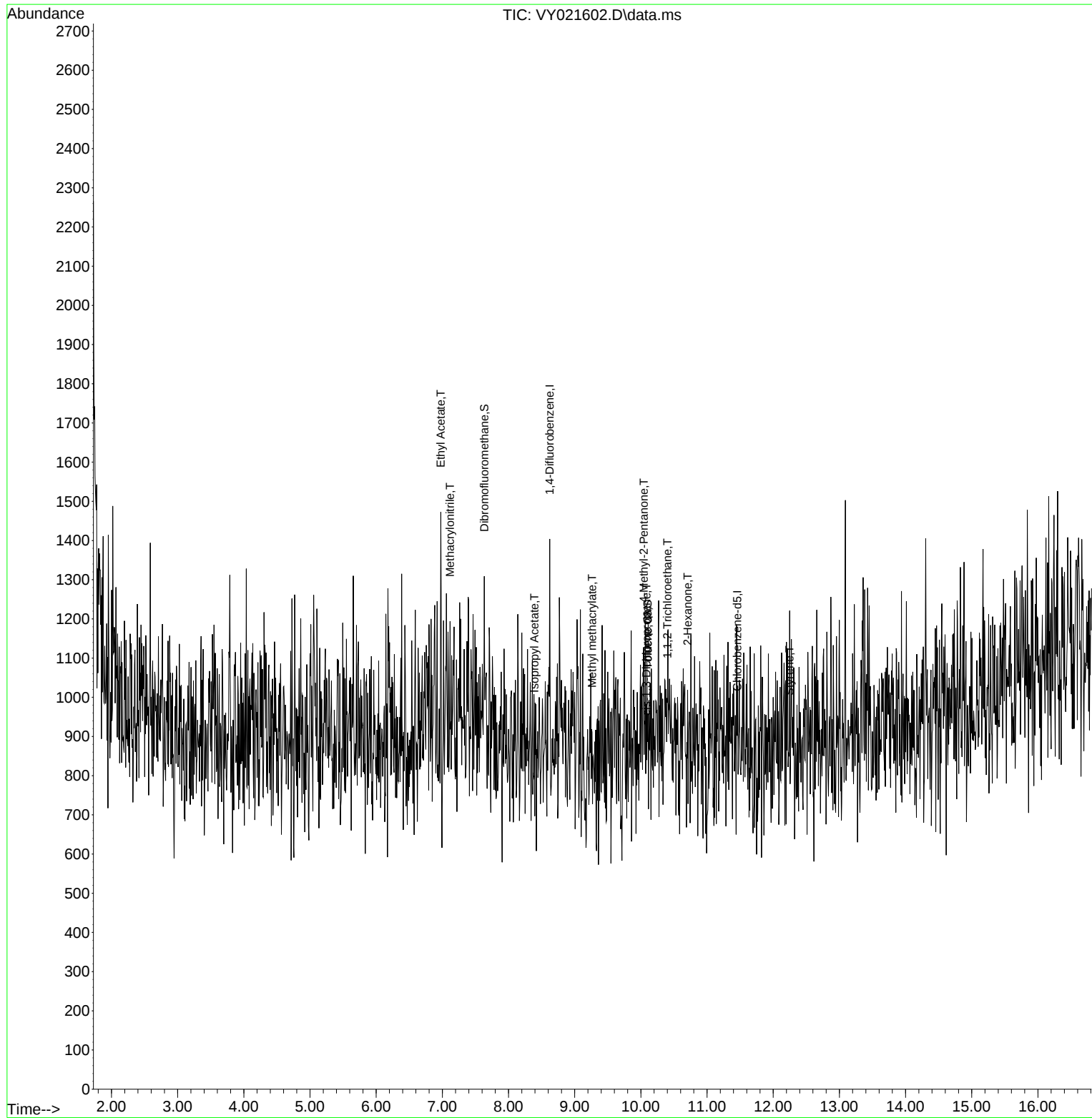
Target Compounds						Qvalue
37) Ethyl Acetate	6.976	43	52	134.524	ug/l #	68
41) Methacrylonitrile	7.116	41	21	99.774	ug/l #	24
43) Isopropyl Acetate	8.390	43	21	27.986	ug/l #	52
48) Methyl methacrylate	9.262	41	30	87.064	ug/l #	13
51) 4-Methyl-2-Pentanone	10.042	43	25	64.570	ug/l #	36
52) Toluene	10.103	92	54	33.246	ug/l #	1
54) cis-1,3-Dichloropropene	10.085	75	20	21.104	ug/l #	34
55) 1,1,2-Trichloroethane	10.402	97	19	42.574	ug/l #	14
59) 2-Hexanone	10.707	43	20	78.122	ug/l #	24
70) Styrene	12.243	104	25	24.165	ug/l #	25

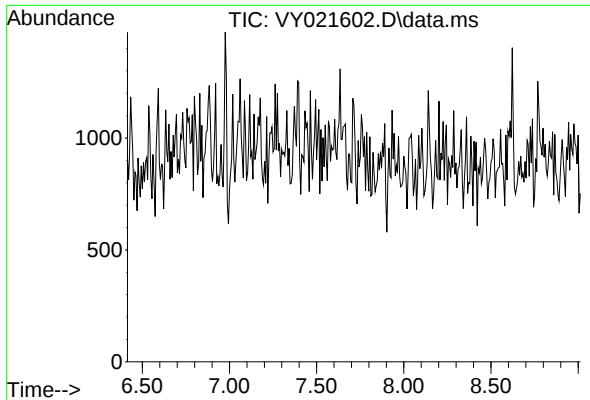
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
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Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
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RT4534

Quant Time: Mar 21 23:12:16 2025
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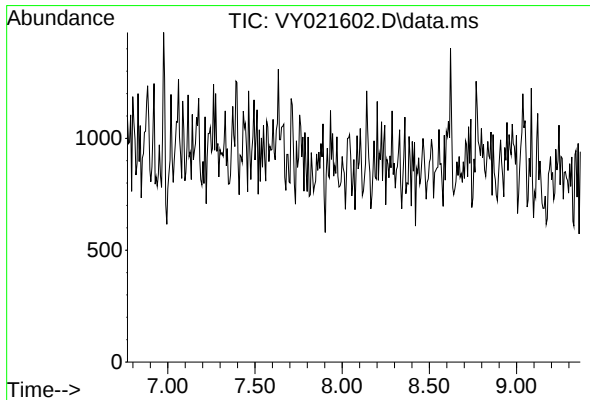
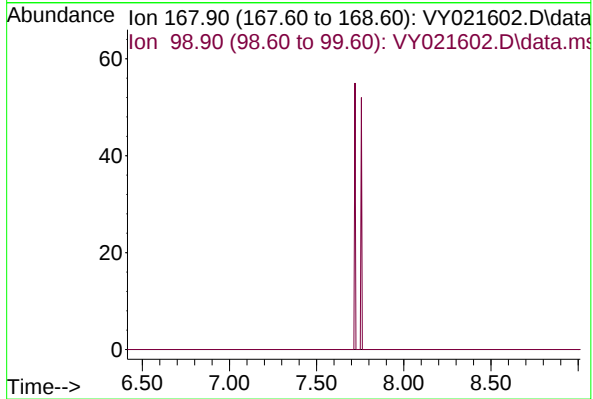


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.71 min

Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :
RT4534

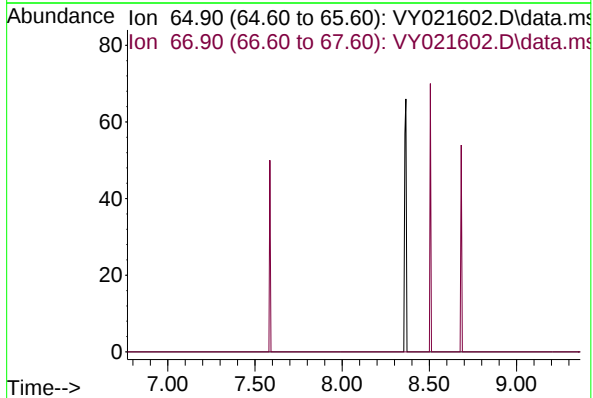
Tgt Ion: 168
Sig Exp Ratio
168 100
99 57.5

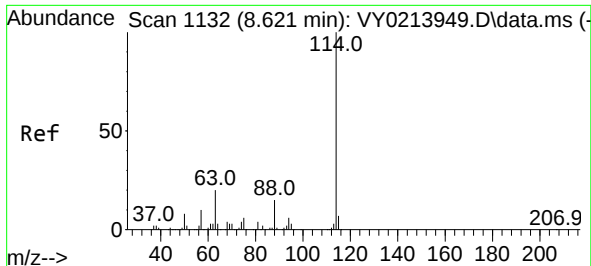


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.07 min

Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Tgt Ion: 65
Sig Exp Ratio
65 100
67 51.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY021602.D

Acq: 21 Mar 2025 16:12

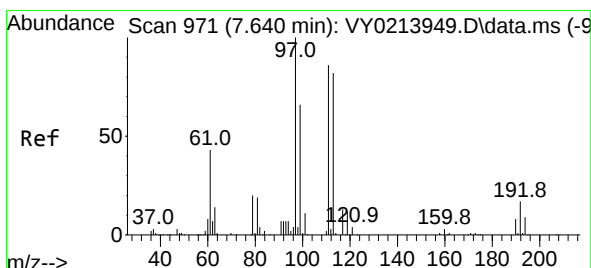
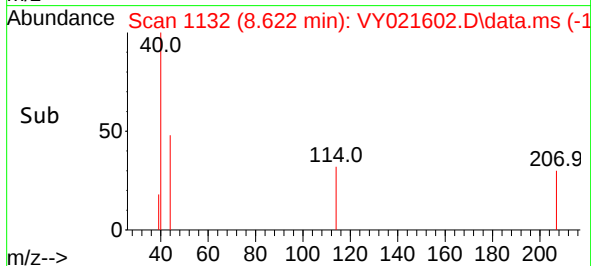
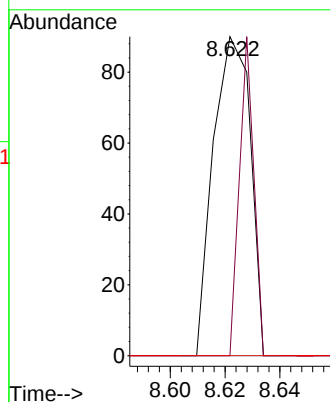
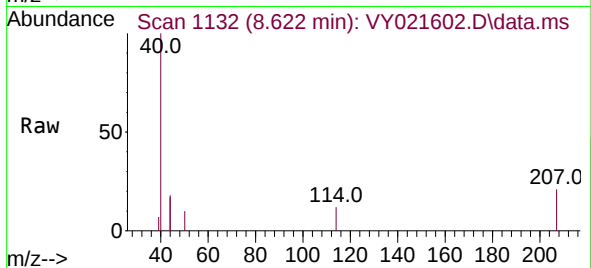
Instrument :

MSVOA_Y

ClientSampleId :

RT4534

Tgt Ion:114	Resp:	85
Ion	Ratio	Lower Upper
114	100	
63	0.0	0.0 40.8
88	0.0	0.0 30.8



#35

Dibromofluoromethane

Concen: 35.796 ug/l

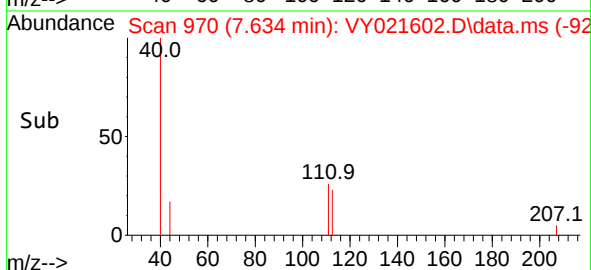
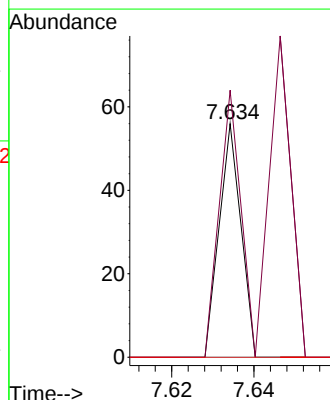
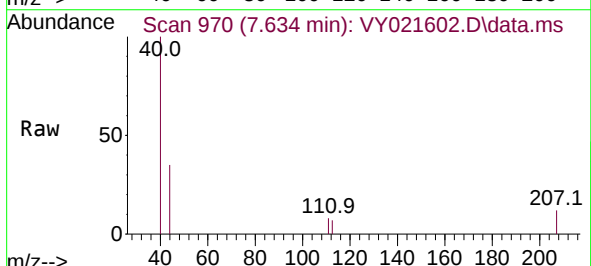
RT: 7.634 min Scan# 970

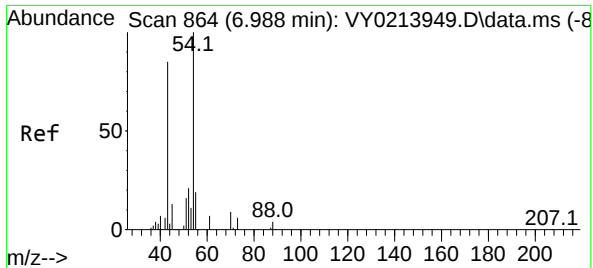
Delta R.T. -0.006 min

Lab File: VY021602.D

Acq: 21 Mar 2025 16:12

Tgt Ion:113	Resp:	20
Ion	Ratio	Lower Upper
113	100	
111	115.0	82.0 123.0
192	0.0	15.9 23.9

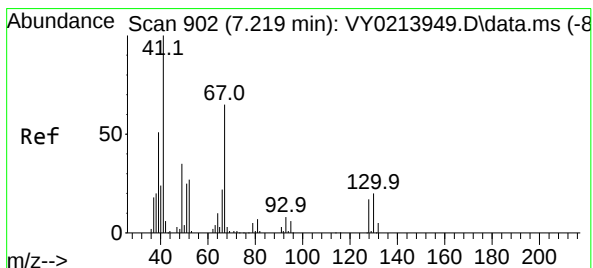
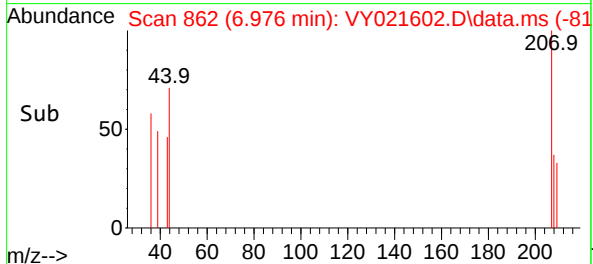
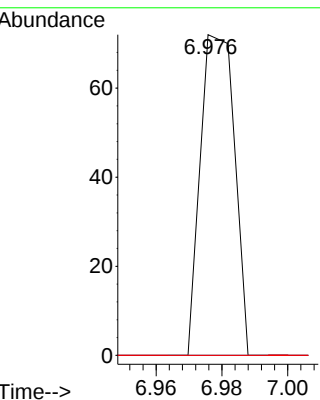
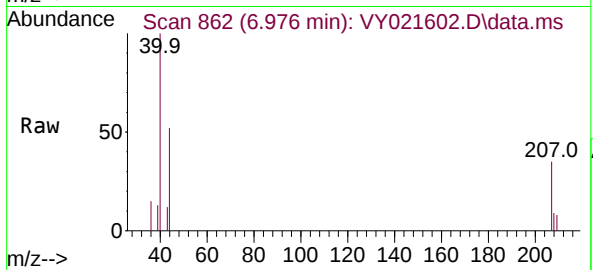




#37
Ethyl Acetate
Concen: 134.524 ug/l
RT: 6.976 min Scan# 80
Delta R.T. -0.012 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

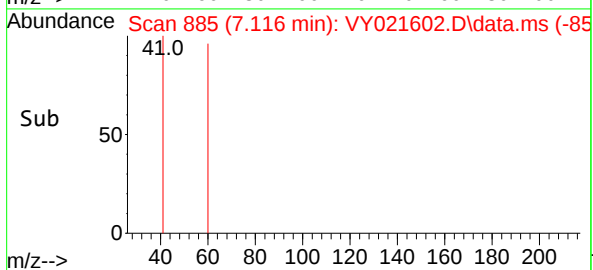
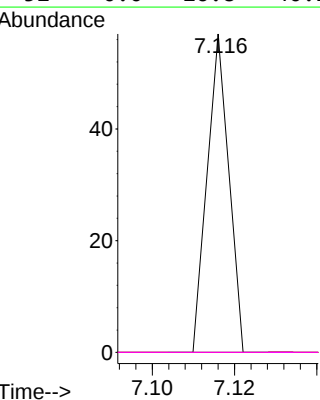
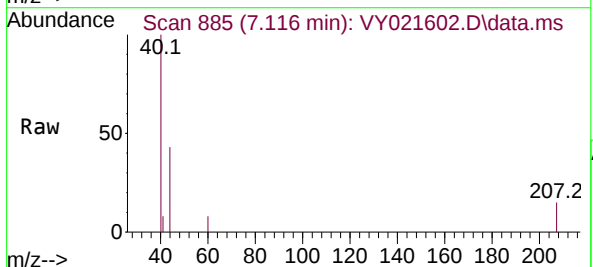
Instrument :
MSVOA_Y
ClientSampleId :
RT4534

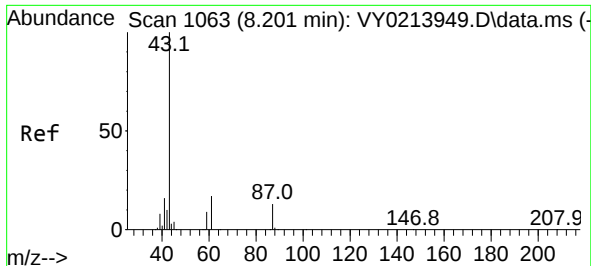
Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.2 12.2#



#41
Methacrylonitrile
Concen: 99.774 ug/l
RT: 7.116 min Scan# 885
Delta R.T. -0.103 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Tgt Ion: 41 Resp: 21
Ion Ratio Lower Upper
41 100
39 0.0 35.0 52.6#
67 0.0 61.2 91.8#
52 0.0 26.8 40.2#

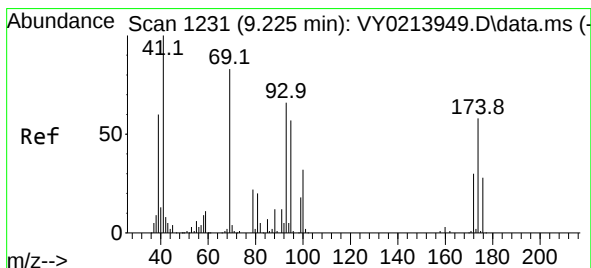
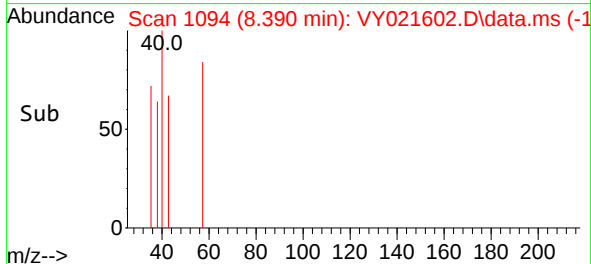
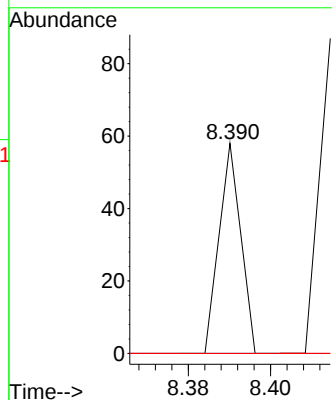
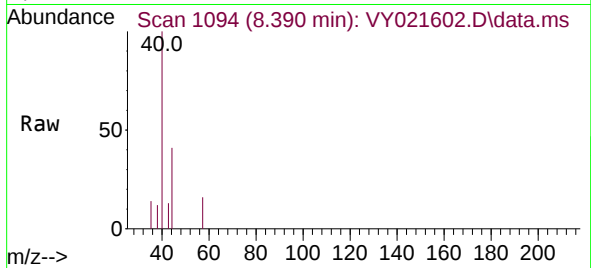




#43
Isopropyl Acetate
Concen: 27.986 ug/l
RT: 8.390 min Scan# 1094
Delta R.T. 0.189 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

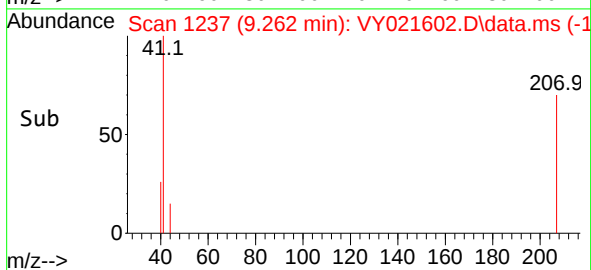
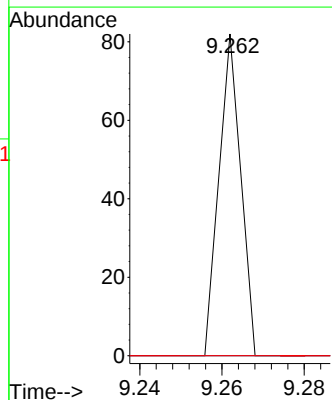
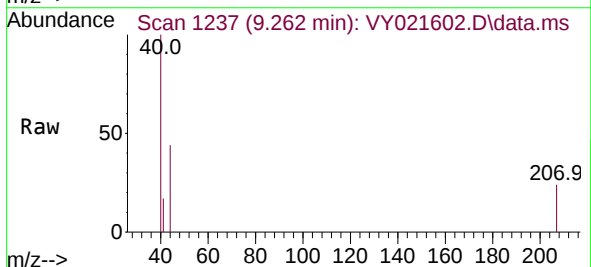
Instrument :
MSVOA_Y
ClientSampleId :
RT4534

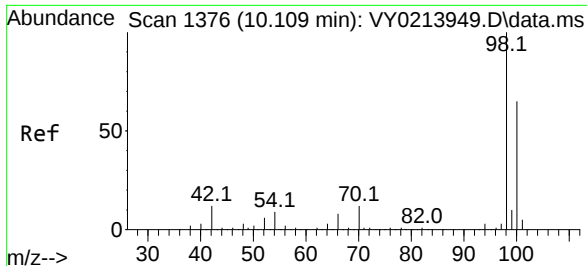
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 0.0 10.5 15.7#



#48
Methyl methacrylate
Concen: 87.064 ug/l
RT: 9.262 min Scan# 1237
Delta R.T. 0.037 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Tgt Ion: 41 Resp: 30
Ion Ratio Lower Upper
41 100
69 0.0 67.8 101.8#
39 0.0 46.4 69.6#





#50

Toluene-d8

Concen: 13.708 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021602.D

Acq: 21 Mar 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

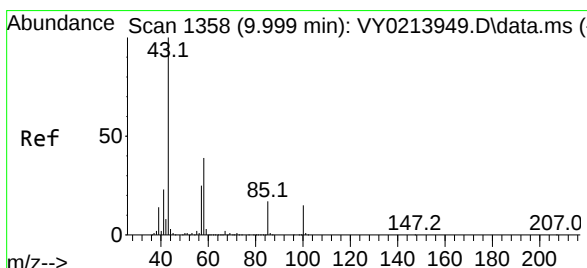
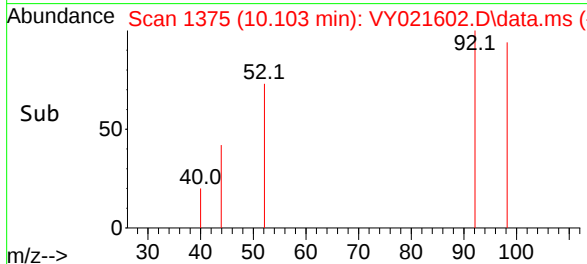
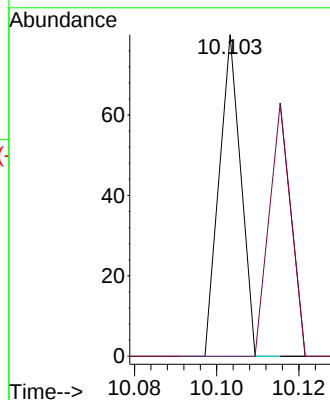
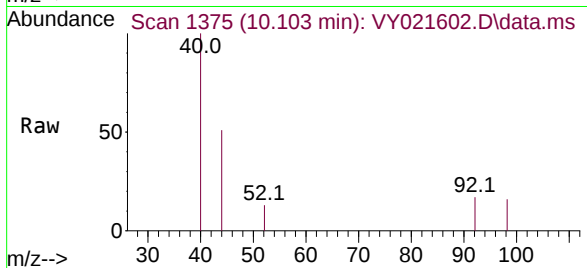
RT4534

Tgt Ion: 98 Resp: 29

Ion Ratio Lower Upper

98 100

100 79.3 52.1 78.1#



#51

4-Methyl-2-Pentanone

Concen: 64.570 ug/l

RT: 10.042 min Scan# 1365

Delta R.T. 0.043 min

Lab File: VY021602.D

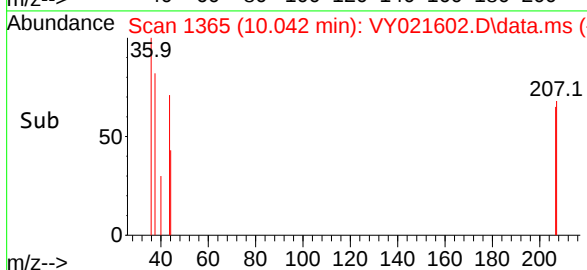
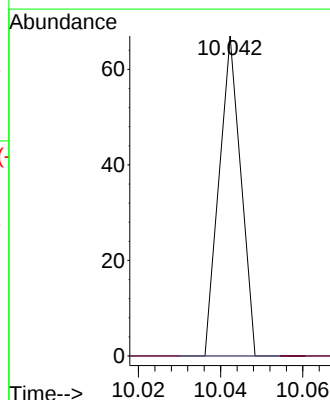
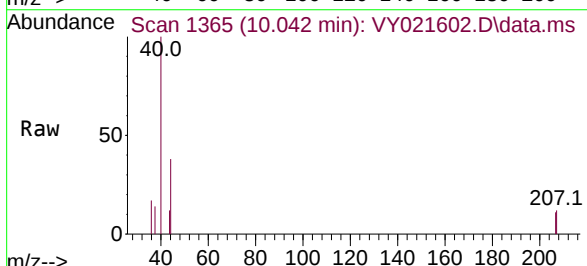
Acq: 21 Mar 2025 16:12

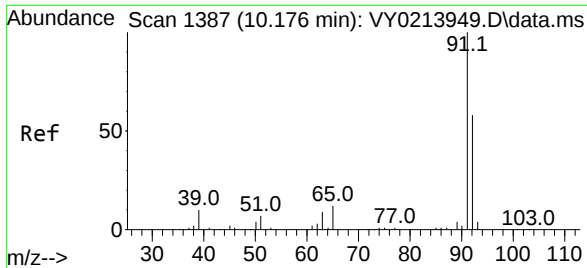
Tgt Ion: 43 Resp: 25

Ion Ratio Lower Upper

43 100

58 0.0 31.4 47.2#

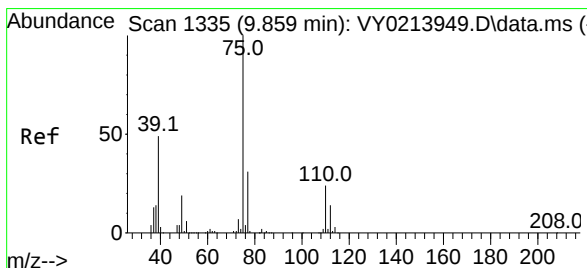
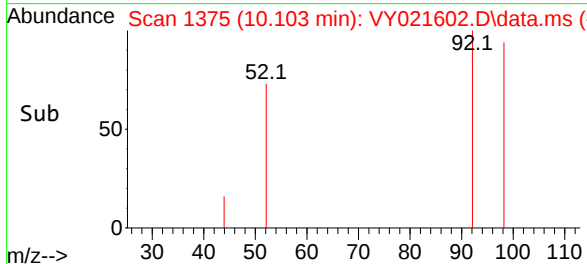
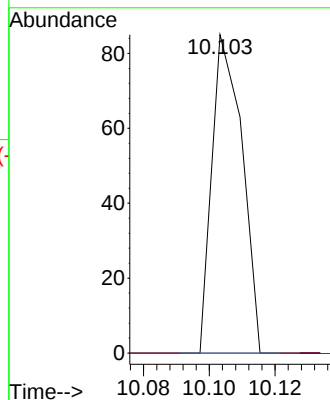
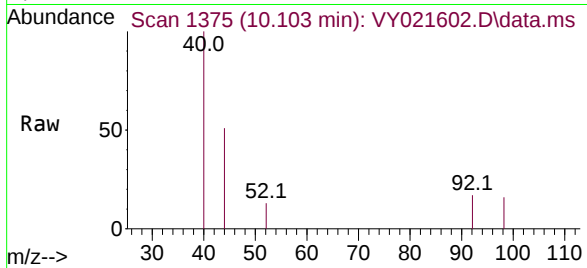




#52
Toluene
Concen: 33.246 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.073 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

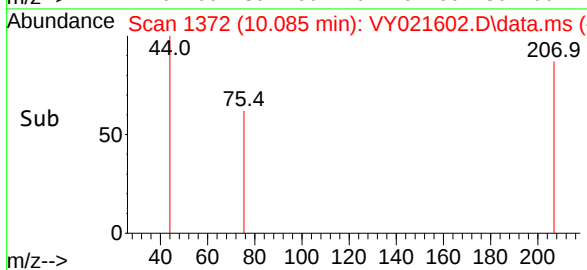
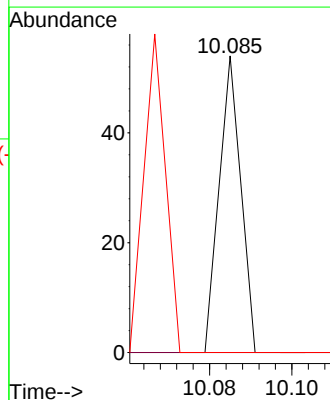
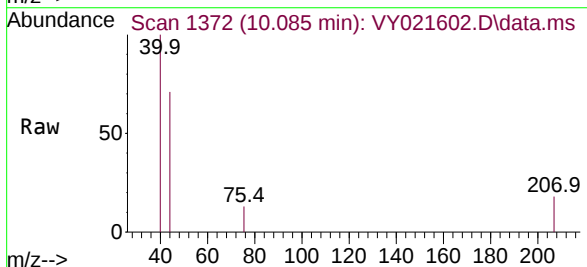
Instrument :
MSVOA_Y
ClientSampleId :
RT4534

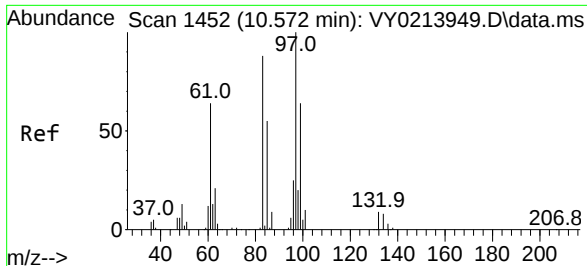
Tgt Ion: 92 Resp: 54
Ion Ratio Lower Upper
92 100
91 0.0 138.2 207.2#



#54
cis-1,3-Dichloropropene
Concen: 21.104 ug/l
RT: 10.085 min Scan# 1372
Delta R.T. 0.226 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 0.0 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 42.574 ug/l

RT: 10.402 min Scan# 1452

Delta R.T. -0.170 min

Lab File: VY021602.D

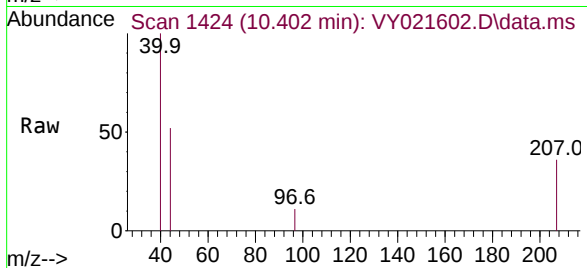
Acq: 21 Mar 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

RT4534



Tgt Ion: 97 Resp: 19

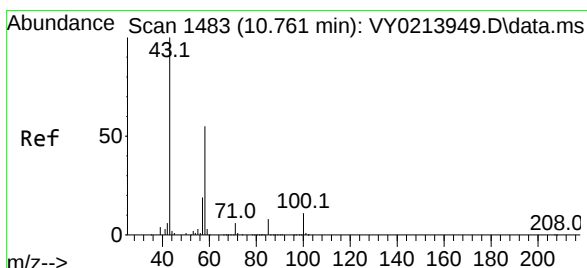
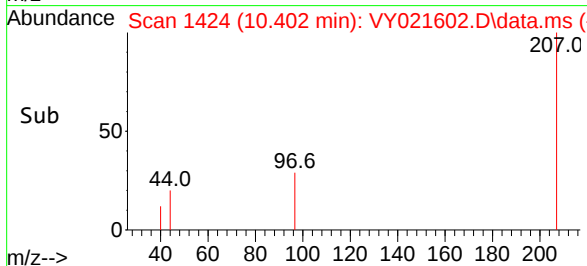
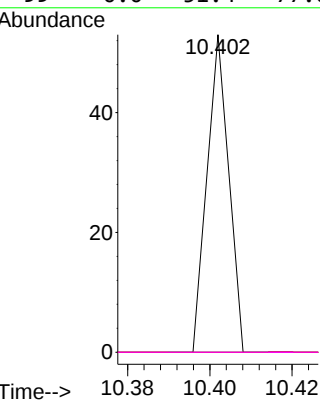
Ion Ratio Lower Upper

97 100

83 0.0 70.0 105.0#

85 0.0 44.3 66.5#

99 0.0 51.4 77.0#



#59

2-Hexanone

Concen: 78.122 ug/l

RT: 10.707 min Scan# 1474

Delta R.T. -0.054 min

Lab File: VY021602.D

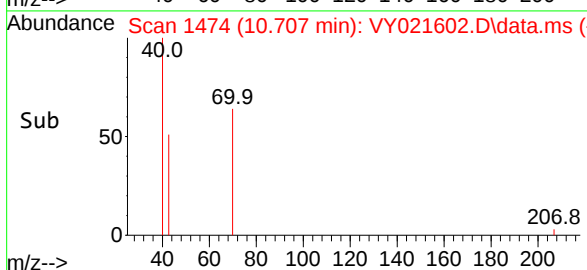
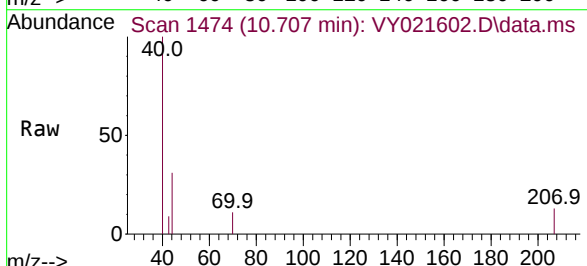
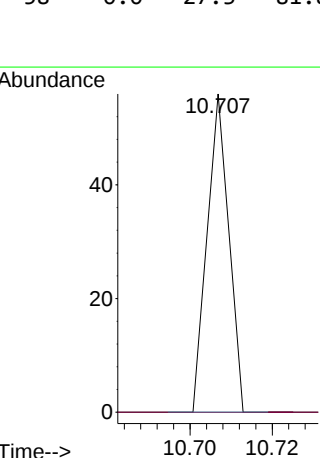
Acq: 21 Mar 2025 16:12

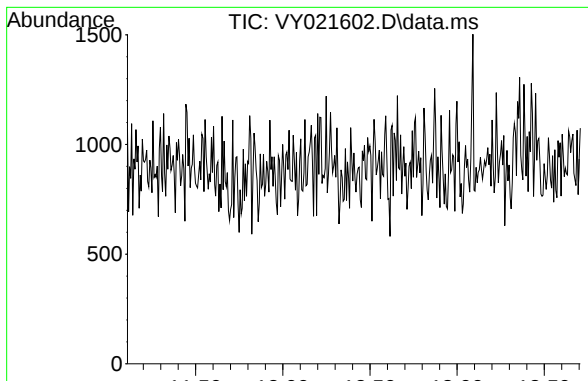
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#



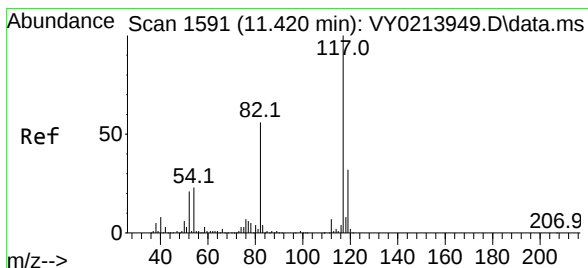
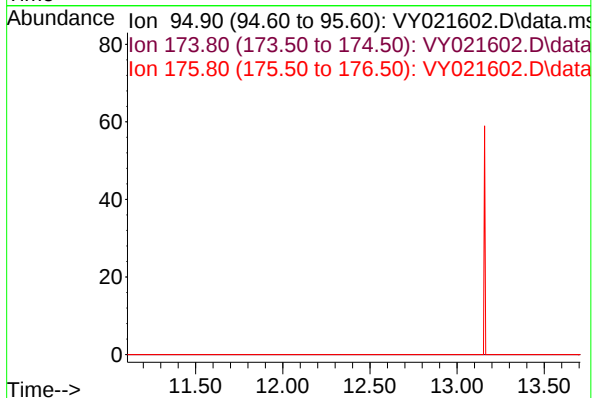


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.41 min
 Lab File: VY021602.D
 Acq: 21 Mar 2025 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4534

Tgt Ion: 95

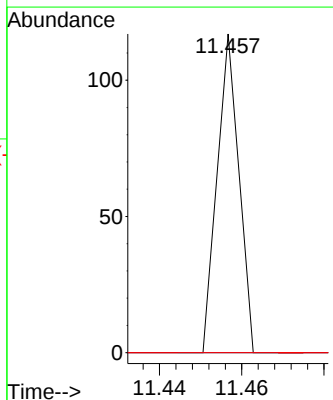
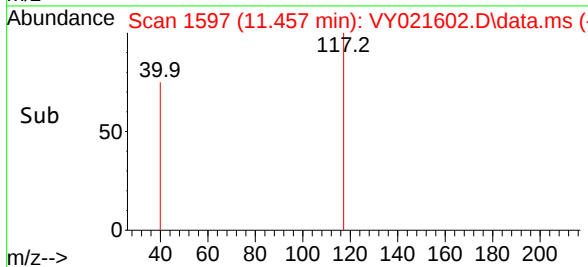
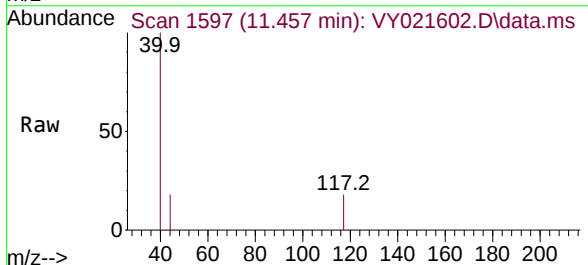
Sig	Exp Ratio
95	100
174	82.5
176	80.0

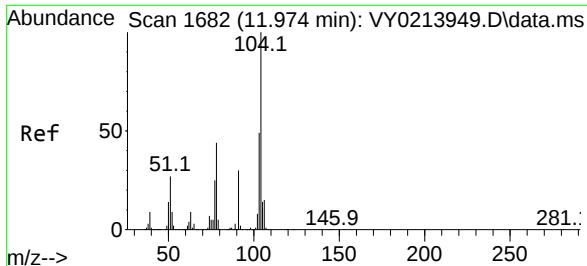


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.457 min Scan# 1597
 Delta R.T. 0.037 min
 Lab File: VY021602.D
 Acq: 21 Mar 2025 16:12

Tgt Ion: 117 Resp: 43

Ion	Ratio	Lower	Upper
117	100		
82	0.0	44.6	67.0#
119	0.0	25.4	38.0#

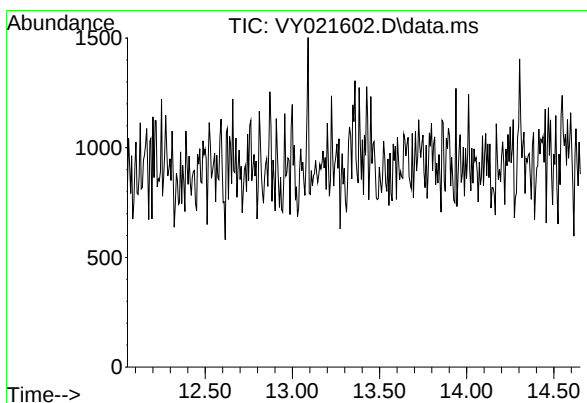
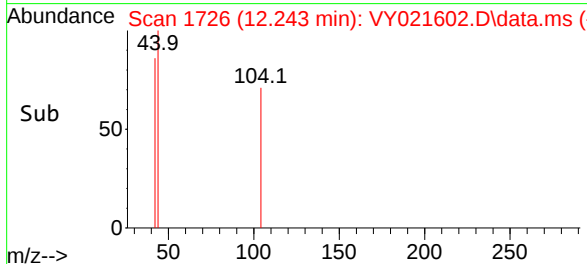
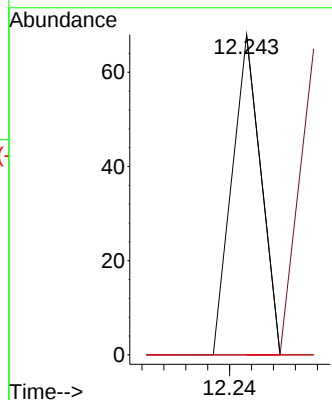
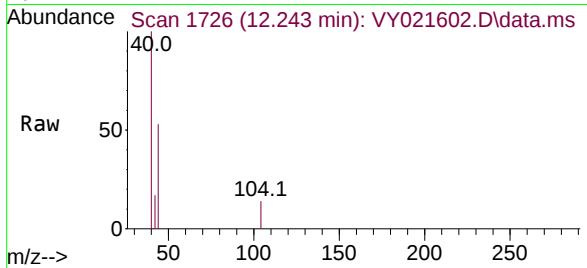




#70
Styrene
Concen: 24.165 ug/l
RT: 12.243 min Scan# 11
Delta R.T. 0.269 min
Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Instrument :
MSVOA_Y
ClientSampleId :
RT4534

Tgt Ion:104 Resp: 25
Ion Ratio Lower Upper
104 100
78 0.0 40.7 61.1#
103 0.0 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min

Lab File: VY021602.D
Acq: 21 Mar 2025 16:12

Tgt Ion: 152
Sig Exp Ratio
152 100
115 58.0
150 173.6

