

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021232.D
 Acq On : 18 Feb 2025 15:52
 Operator : SY/MD
 Sample : Q1374-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 19 04:15:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

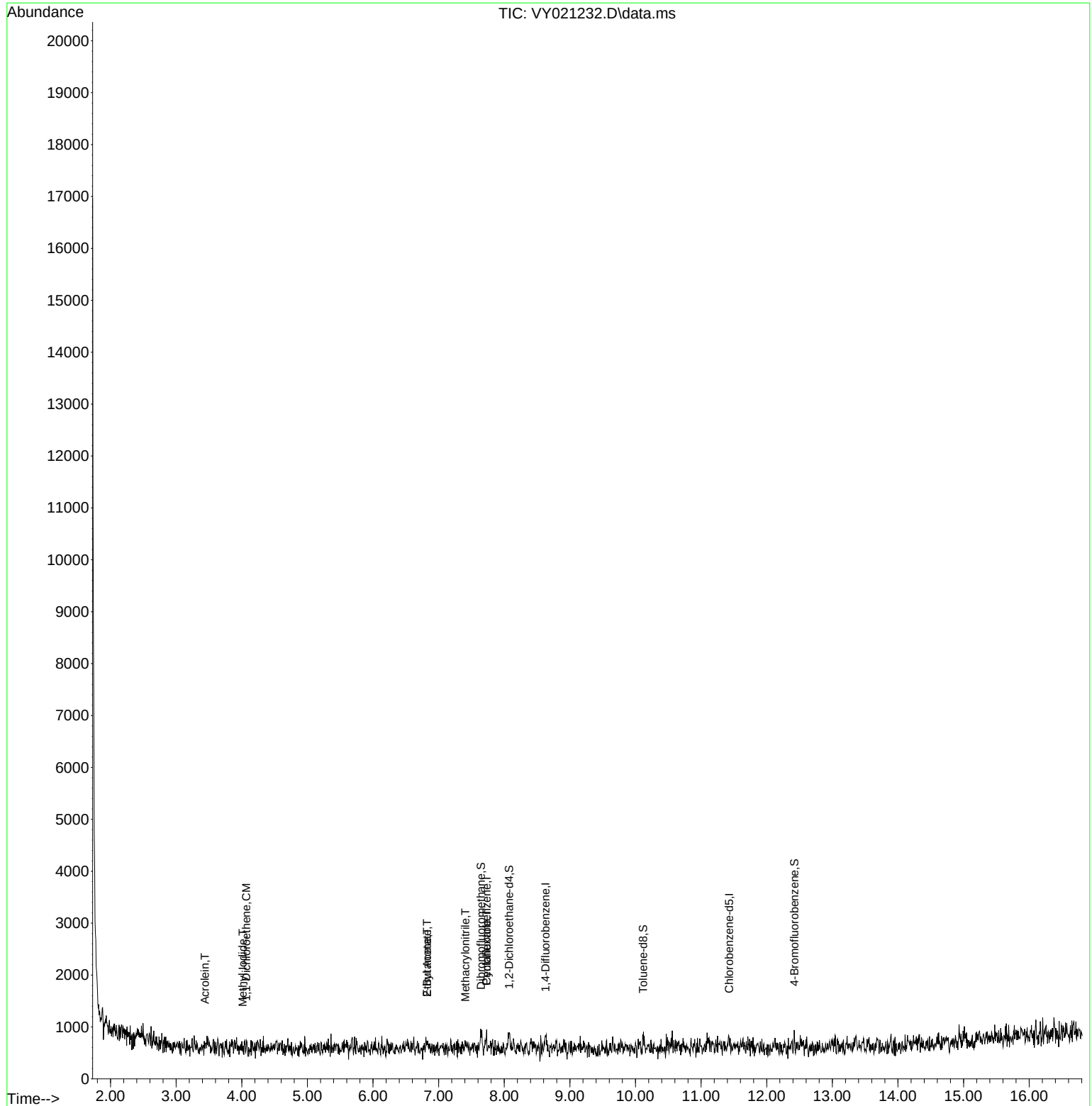
Internal Standards						
1) Pentafluorobenzene	7.732	168	189	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.628	114	400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	205	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	299	154.406	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 308.820%#	
35) Dibromofluoromethane	7.646	113	251	97.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 195.820%#	
50) Toluene-d8	10.115	98	273	27.973	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 55.940%#	
62) 4-Bromofluorobenzene	12.420	95	72	22.582	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 45.160%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.013	142	19	8.940	ug/l #	40
12) 1,1-Dichloroethene	4.068	96	19	10.543	ug/l #	1
13) Acrolein	3.440	56	22	108.873	ug/l #	15
25) 2-Butanone	6.823	43	19	38.288	ug/l #	48
31) Cyclohexane	7.732	56	40	12.111	ug/l #	15
37) Ethyl Acetate	6.823	43	19	11.407	ug/l #	69
41) Methacrylonitrile	7.409	41	19	19.717	ug/l #	23

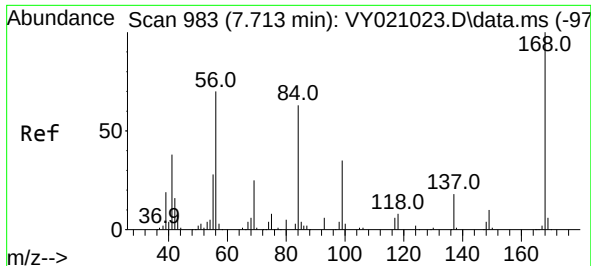
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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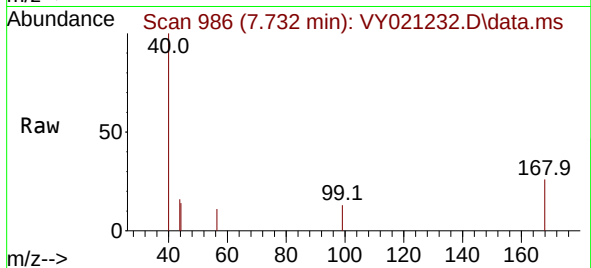
Quant Time: Feb 19 04:15:28 2025
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Quant Title : SW846 8260
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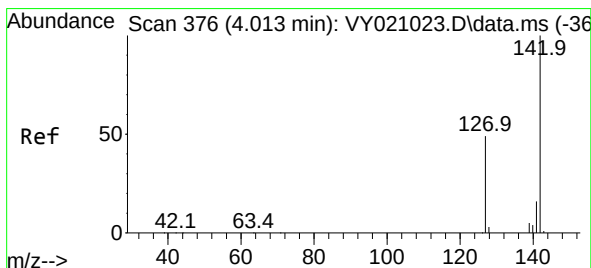
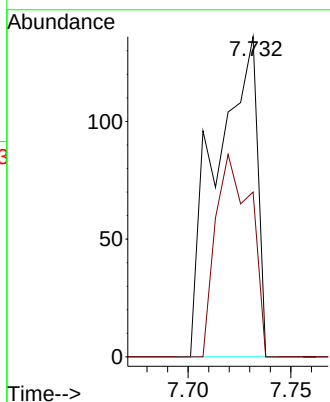
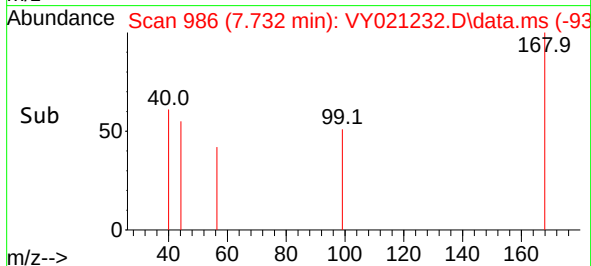


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 986
Delta R.T. 0.019 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :

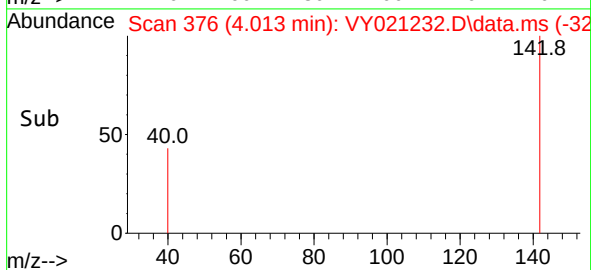
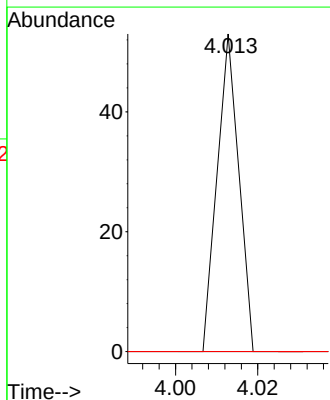
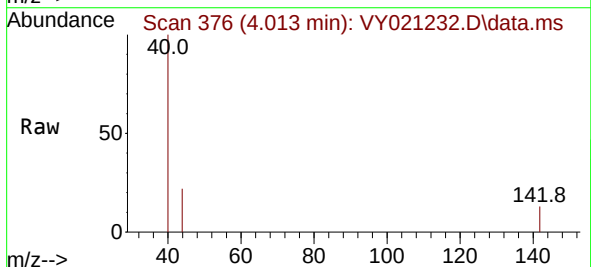


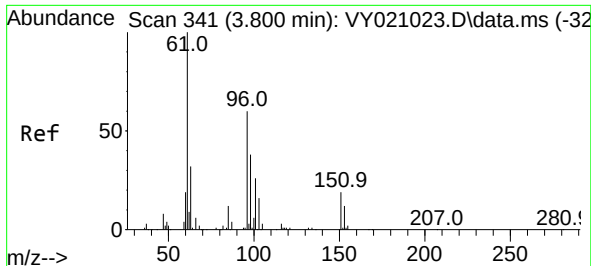
Tgt Ion:168 Resp: 189
Ion Ratio Lower Upper
168 100
99 51.5 44.2 66.4



#10
Methyl Iodide
Concen: 8.940 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#





#12

1,1-Dichloroethene

Concen: 10.543 ug/l

RT: 4.068 min Scan# 31

Delta R.T. 0.268 min

Lab File: VY021232.D

Acq: 18 Feb 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

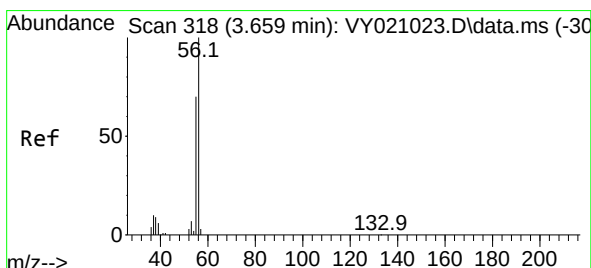
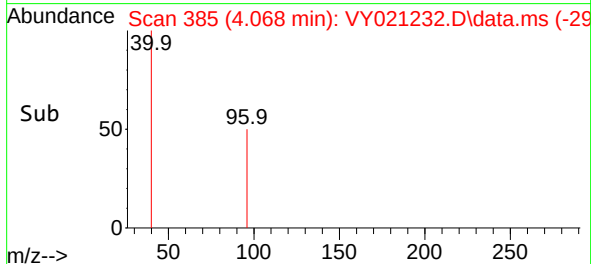
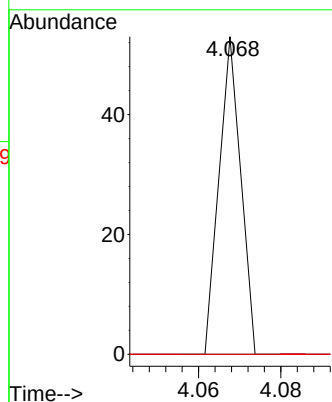
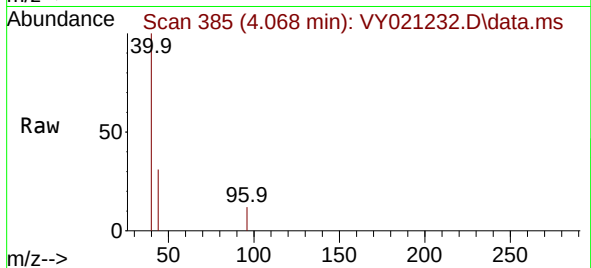
Tgt Ion: 96 Resp: 19

Ion Ratio Lower Upper

96 100

61 0.0 124.2 186.2#

98 0.0 52.6 79.0#



#13

Acrolein

Concen: 108.873 ug/l

RT: 3.440 min Scan# 282

Delta R.T. -0.220 min

Lab File: VY021232.D

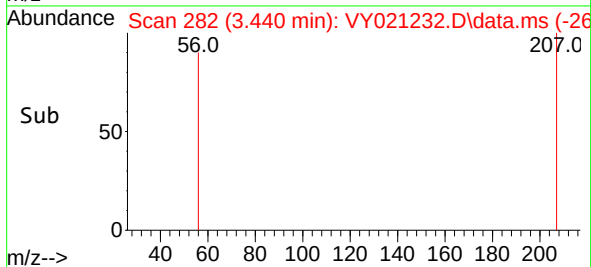
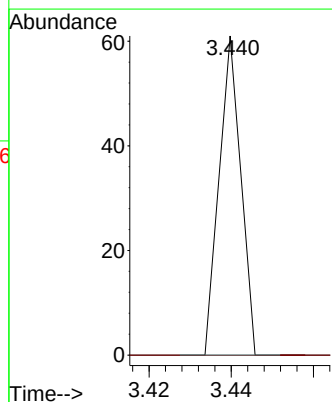
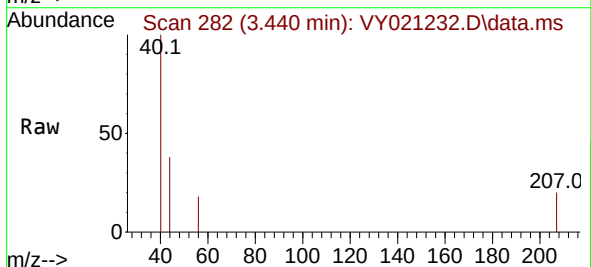
Acq: 18 Feb 2025 15:52

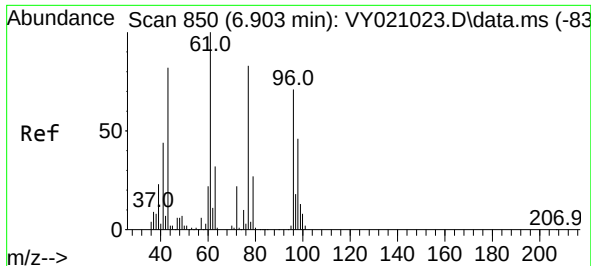
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

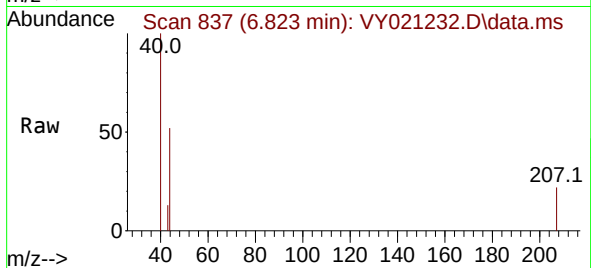
55 0.0 55.4 83.0#



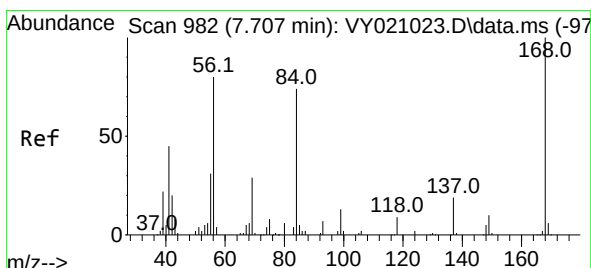
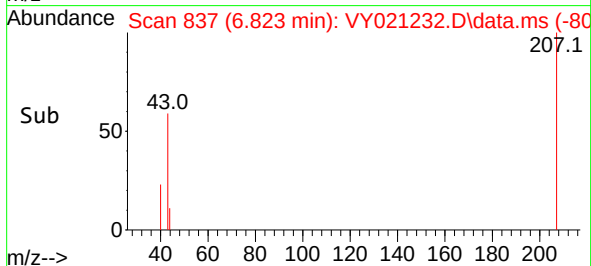
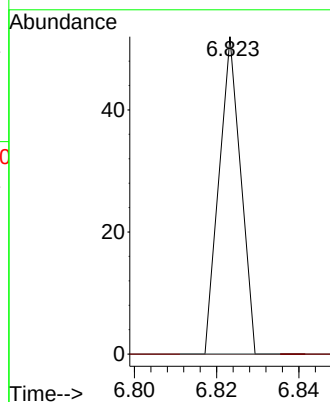


#25
2-Butanone
Concen: 38.288 ug/l
RT: 6.823 min Scan# 81
Delta R.T. -0.079 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :

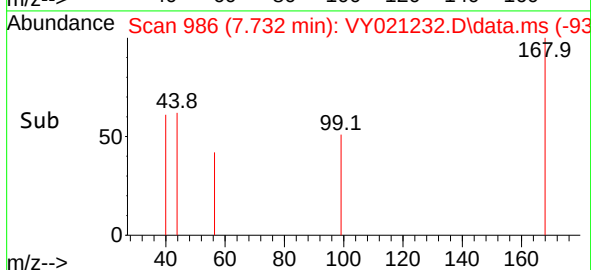
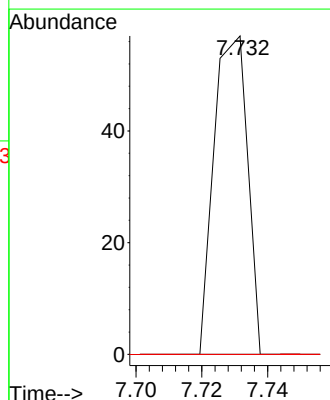
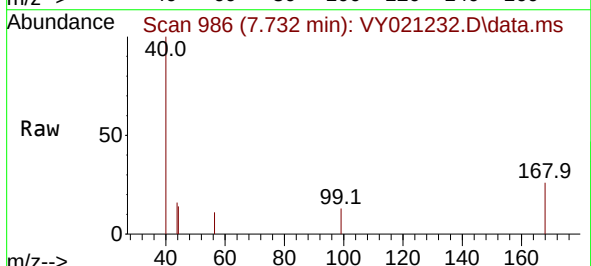


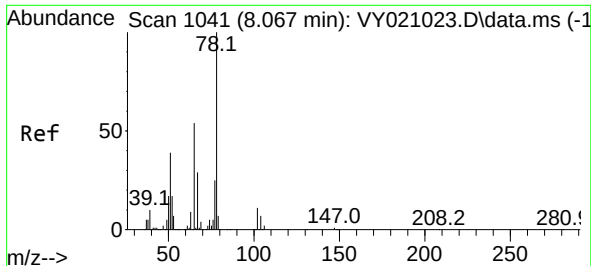
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 12.111 ug/l
RT: 7.732 min Scan# 986
Delta R.T. 0.024 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
69 0.0 27.0 40.6#
84 0.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 154.406 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021232.D

Acq: 18 Feb 2025 15:52

Instrument :

MSVOA_Y

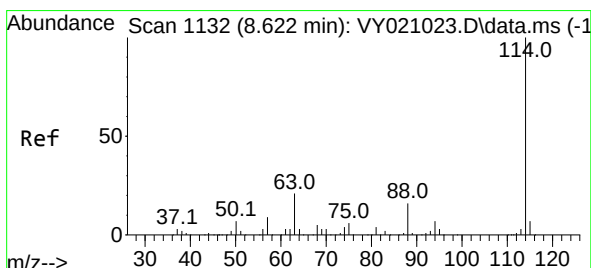
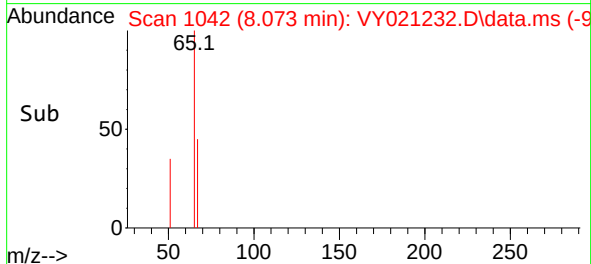
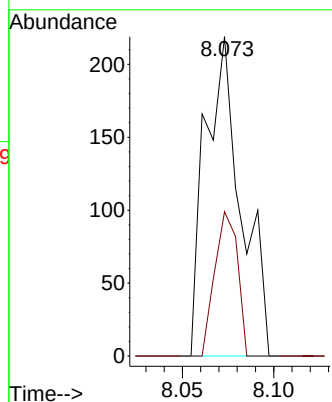
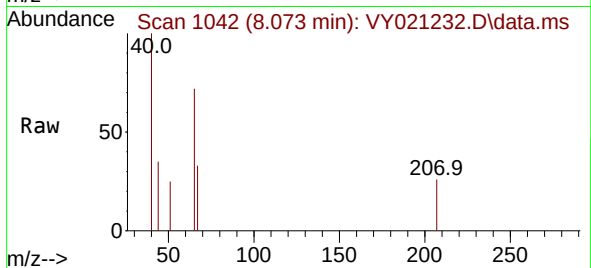
ClientSampleId :

Tgt Ion: 65 Resp: 299

Ion Ratio Lower Upper

65 100

67 28.8 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021232.D

Acq: 18 Feb 2025 15:52

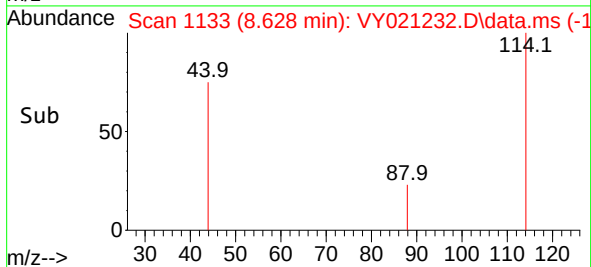
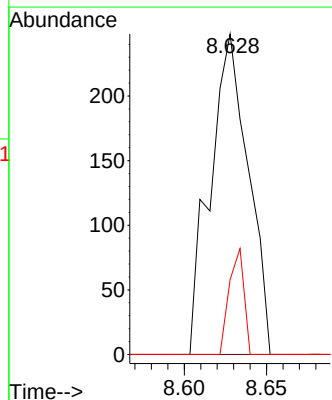
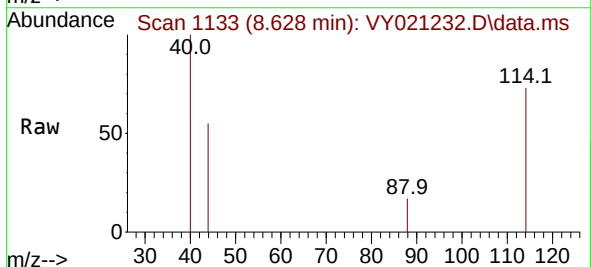
Tgt Ion: 114 Resp: 400

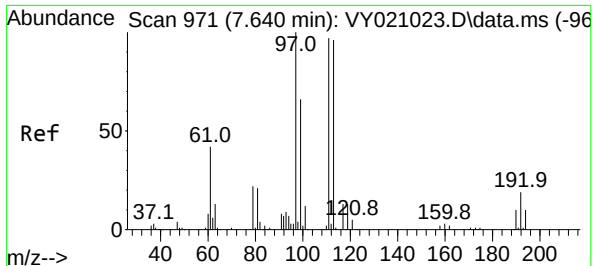
Ion Ratio Lower Upper

114 100

63 0.0 0.0 37.4

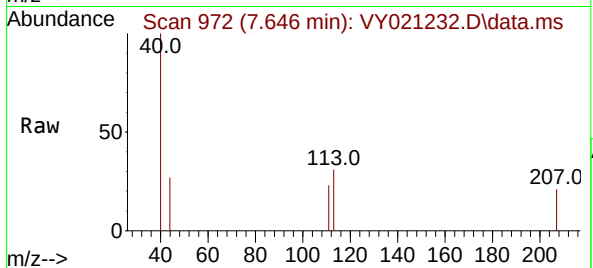
88 23.4 0.0 29.0



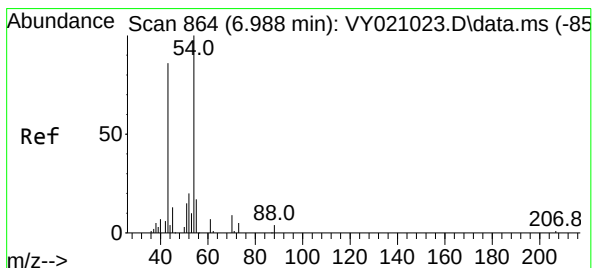
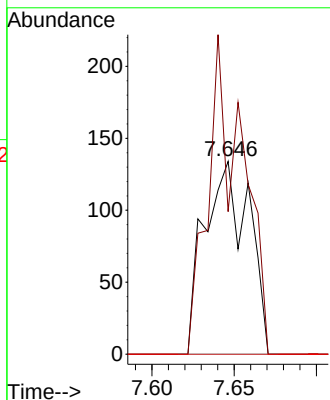
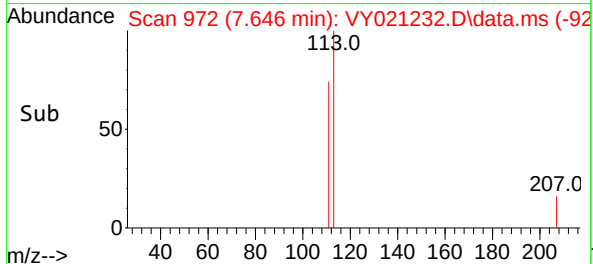


#35
Dibromofluoromethane
Concen: 97.914 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :

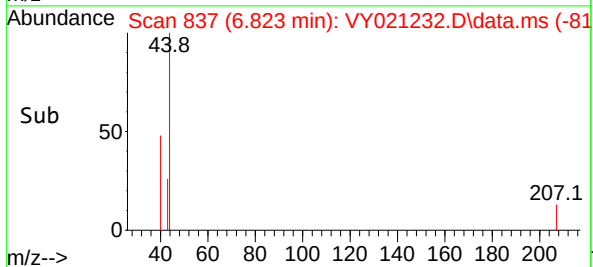
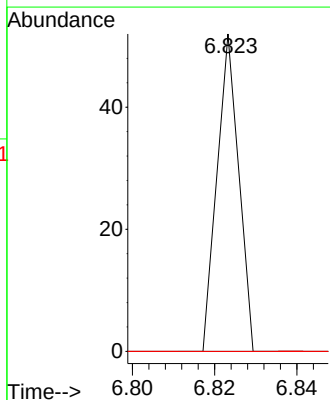
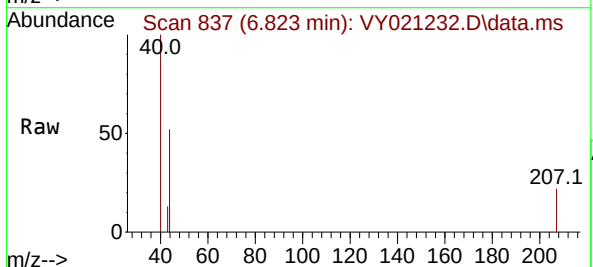


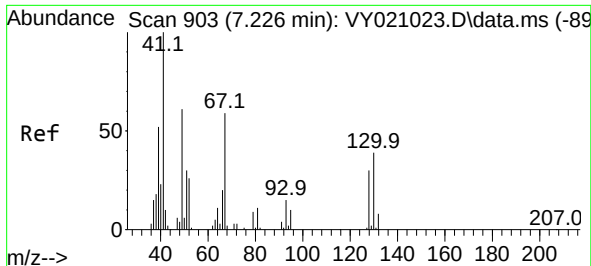
Tgt Ion:113 Resp: 251
Ion Ratio Lower Upper
113 100
111 128.7 83.8 125.6#
192 0.0 14.5 21.7#



#37
Ethyl Acetate
Concen: 11.407 ug/l
RT: 6.823 min Scan# 837
Delta R.T. -0.165 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

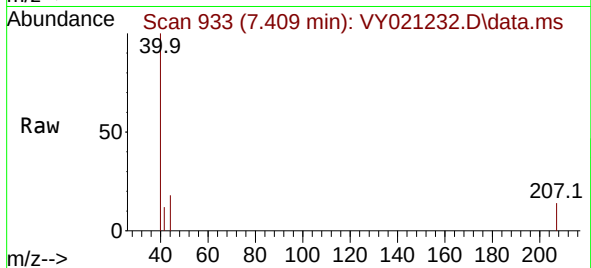
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.1 12.1#



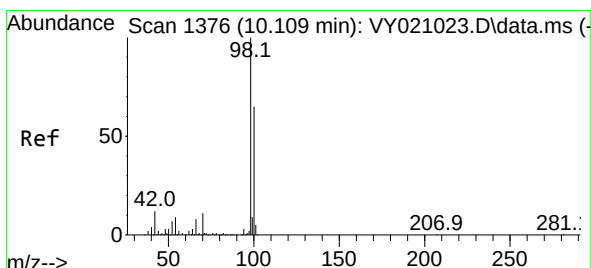
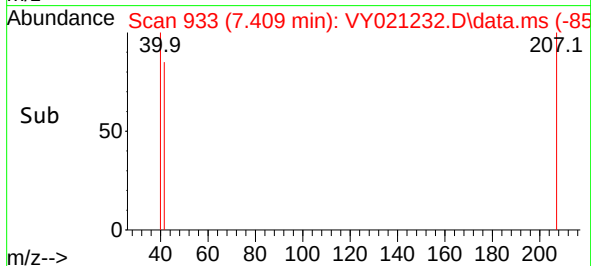
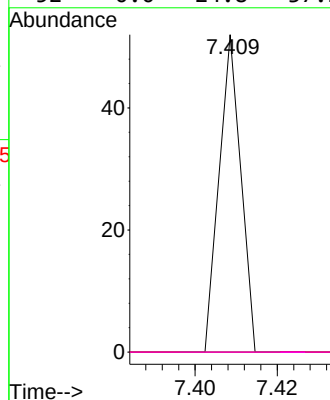


#41
Methacrylonitrile
Concen: 19.717 ug/l
RT: 7.409 min Scan# 91
Delta R.T. 0.183 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :

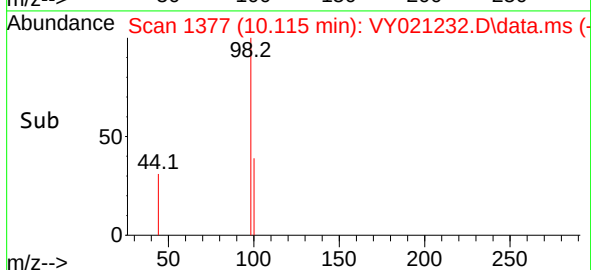
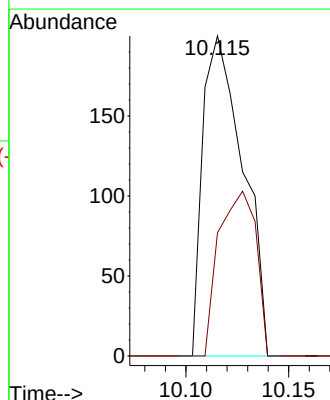
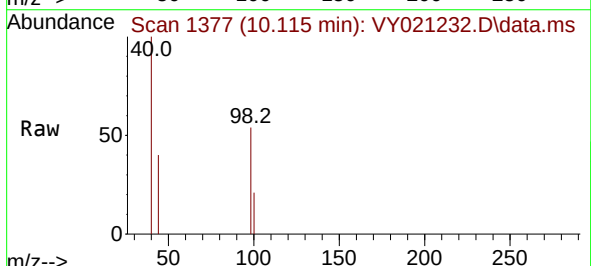


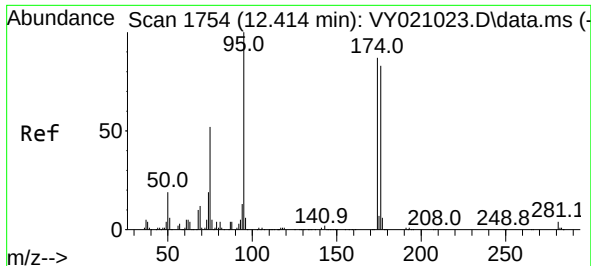
Tgt Ion: 41	Resp:	19
Ion Ratio	Lower	Upper
41 100		
39 0.0	41.9	62.9#
67 0.0	59.8	89.6#
52 0.0	24.8	37.2#



#50
Toluene-d8
Concen: 27.973 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Tgt Ion: 98	Resp:	273	
Ion Ratio	Lower	Upper	
98 100			
100 47.6	52.3	78.5#	





#62

4-Bromofluorobenzene

Concen: 22.582 ug/l

RT: 12.420 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021232.D

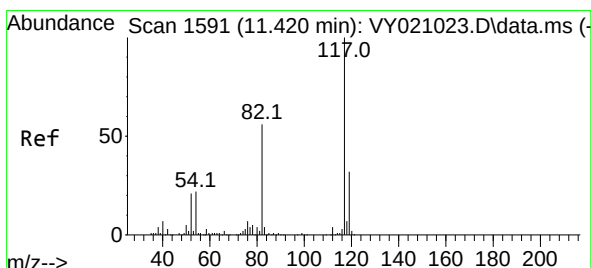
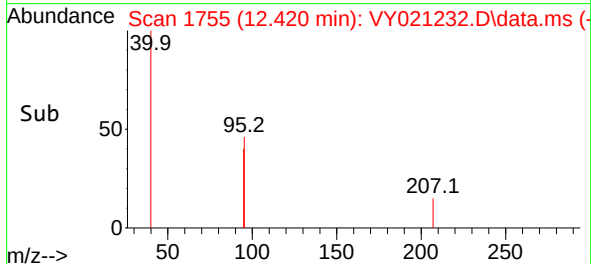
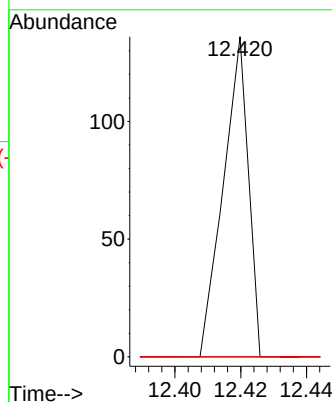
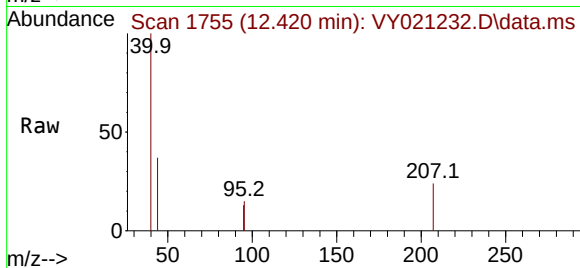
Acq: 18 Feb 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp:	72
Ion Ratio	Lower	Upper
95	100	
174	0.0	160.0
176	0.0	151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

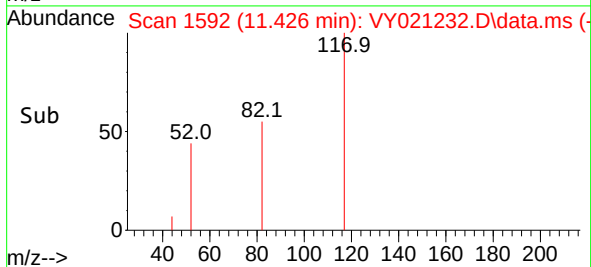
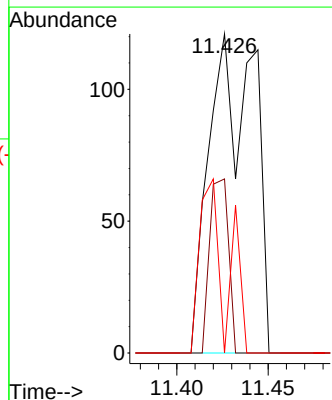
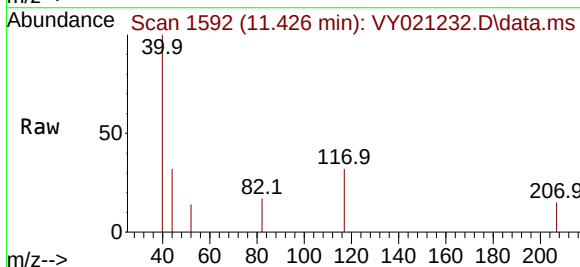
RT: 11.426 min Scan# 1592

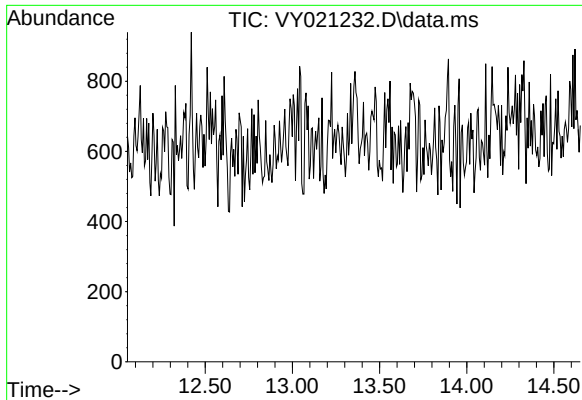
Delta R.T. 0.006 min

Lab File: VY021232.D

Acq: 18 Feb 2025 15:52

Tgt Ion: 117	Resp:	205
Ion Ratio	Lower	Upper
117	100	
82	54.5	65.8
119	0.0	39.7





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min
Lab File: VY021232.D
Acq: 18 Feb 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 152
Sig Exp Ratio
152 100
115 60.0
150 172.3

