

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021907.D
 Acq On : 17 Apr 2025 13:41
 Operator : SY/MD
 Sample : Q1818-03
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3873

Quant Time: Apr 18 03:57:58 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

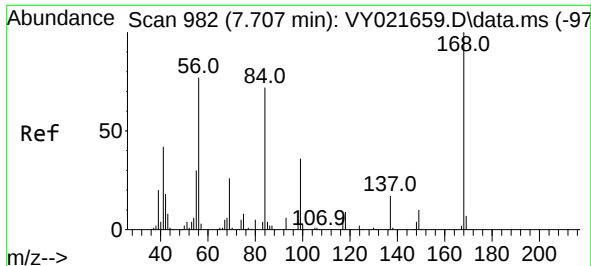
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	144087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	236207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	182413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	62784	40.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.440%
35) Dibromofluoromethane	7.628	113	76995	50.250	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.500%
50) Toluene-d8	10.103	98	274418	47.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.160%
62) 4-Bromofluorobenzene	12.408	95	64325	32.625	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.240%
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	749	2.344	ug/l #	72
20) Methylene Chloride	4.610	84	1038	Below Cal	#	84
31) Cyclohexane	7.701	56	3030	1.100	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	11724	5.023	ug/l #	51
38) Carbon Tetrachloride	7.707	117	14674	5.490	ug/l #	18
49) 1,4-Dioxane	8.963	88	25	2.448	ug/l #	21
51) 4-Methyl-2-Pentanone	10.103	43	1307	1.203	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	33868	55.798	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	33868	128.568	ug/l #	11

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

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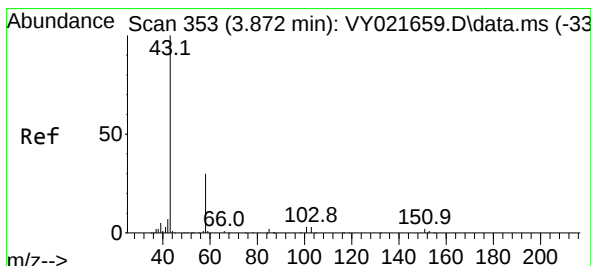
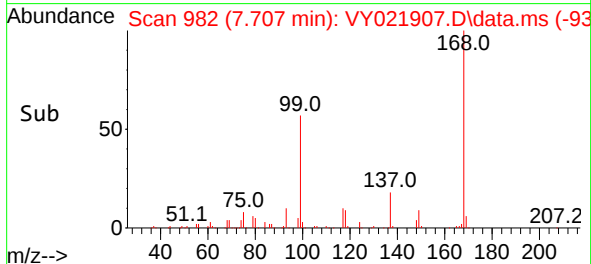
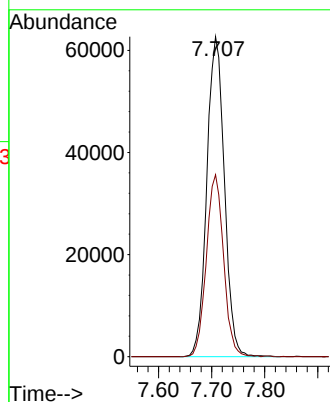
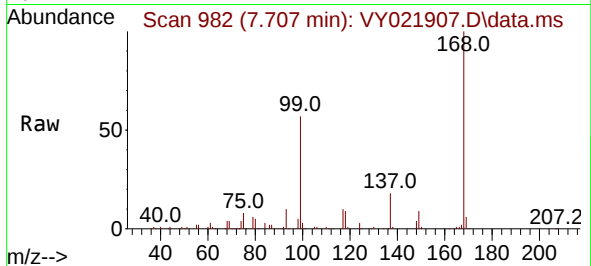




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

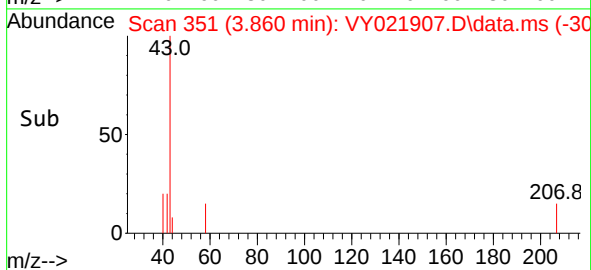
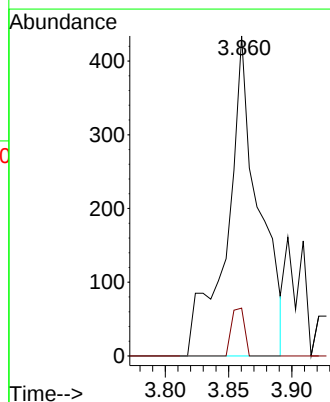
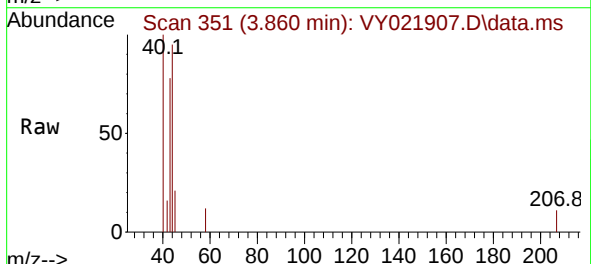
Instrument :
MSVOA_Y
ClientSampleId :
RT-3873

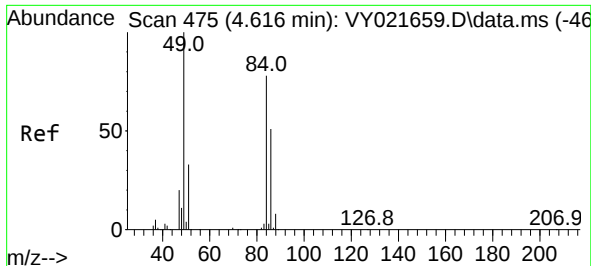
Tgt Ion:168 Resp: 144087
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#16
Acetone
Concen: 2.344 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
58 15.0 24.2 36.4#

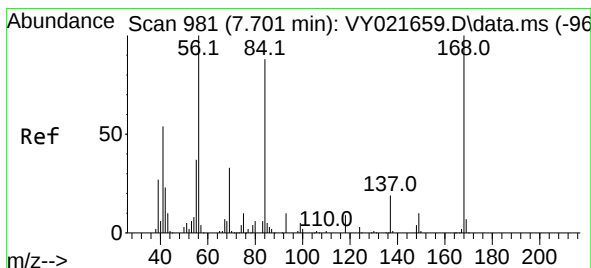
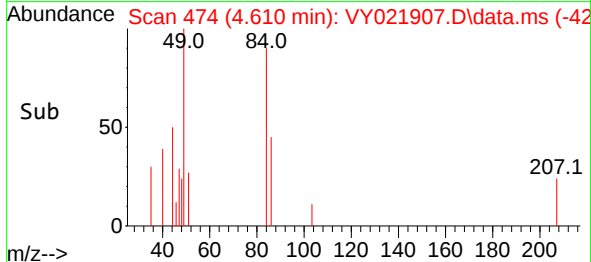
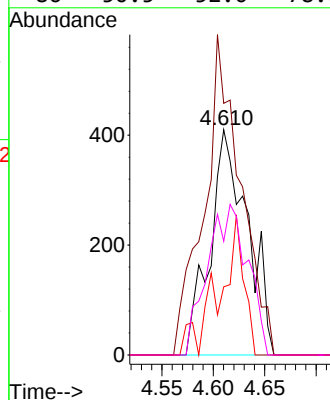
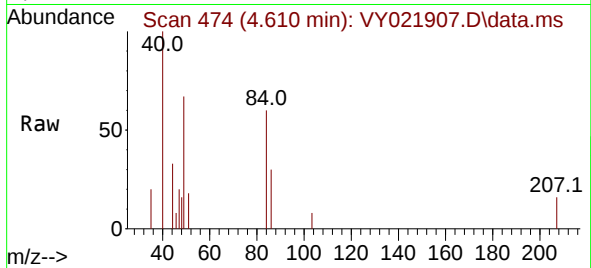




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

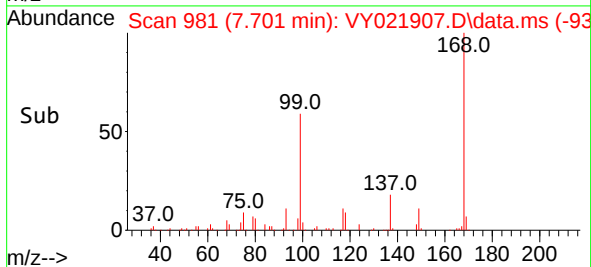
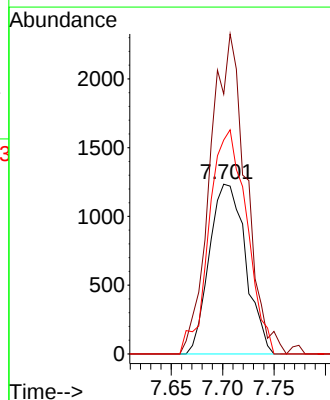
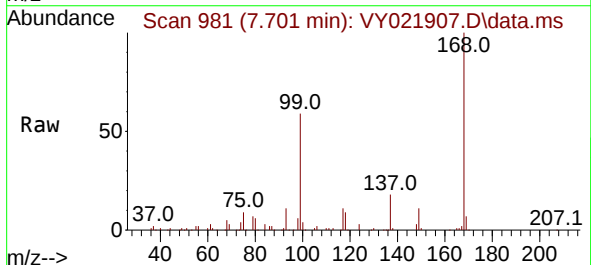
Instrument :
MSVOA_Y
ClientSampleId :
RT-3873

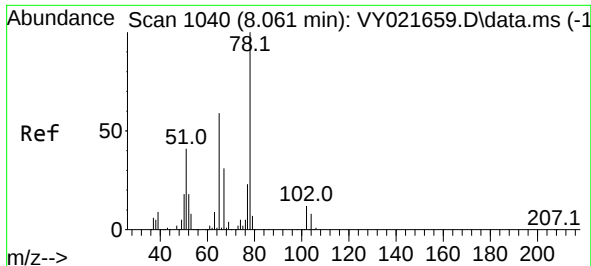
Tgt Ion:	84	Resp:	1038
Ion	Ratio	Lower	Upper
84	100		
49	111.7	102.8	154.2
51	30.2	33.5	50.3#
86	50.5	52.0	78.0#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

Tgt Ion:	56	Resp:	3030
Ion	Ratio	Lower	Upper
56	100		
69	153.1	26.6	40.0#
84	126.0	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 40.217 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021907.D

Acq: 17 Apr 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

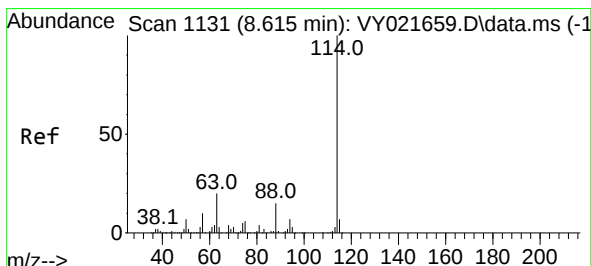
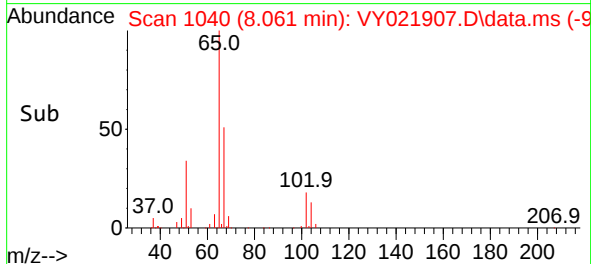
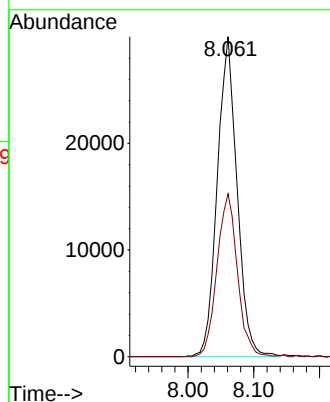
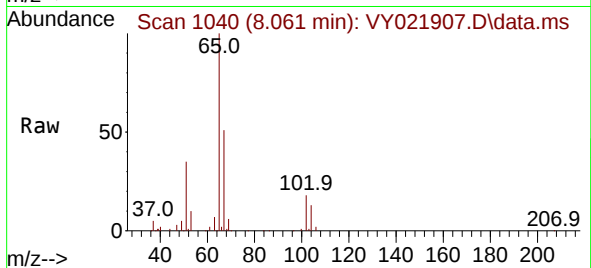
RT-3873

Tgt Ion: 65 Resp: 62784

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021907.D

Acq: 17 Apr 2025 13:41

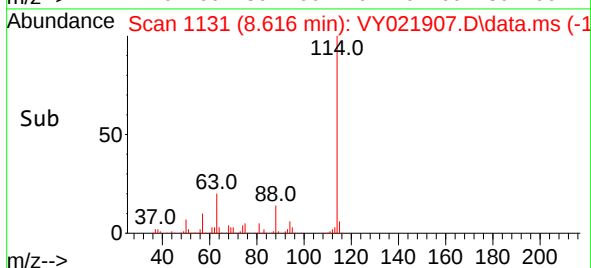
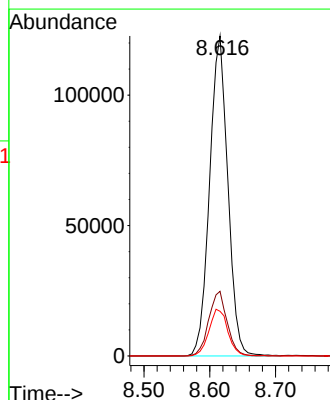
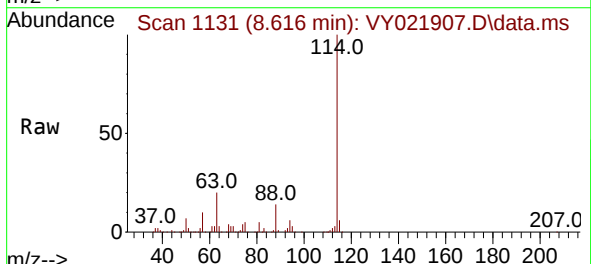
Tgt Ion: 114 Resp: 236207

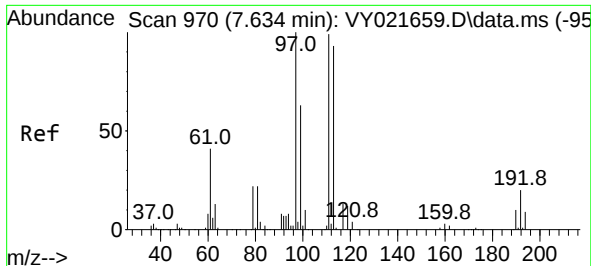
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 13.9 0.0 29.8

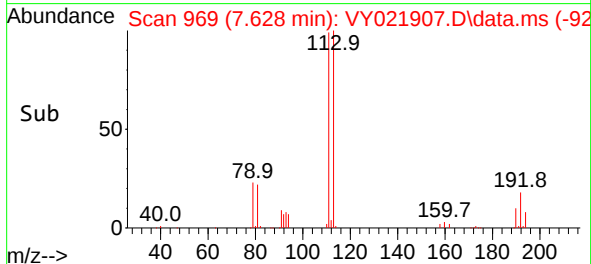
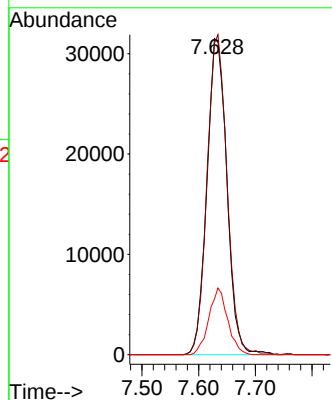
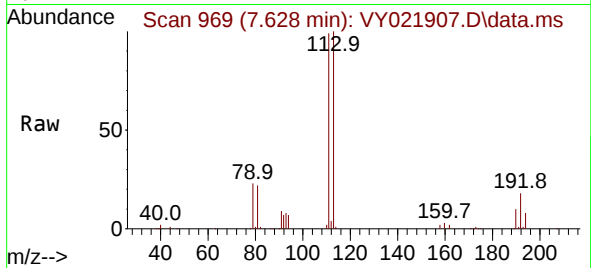




#35
Dibromofluoromethane
Concen: 50.250 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

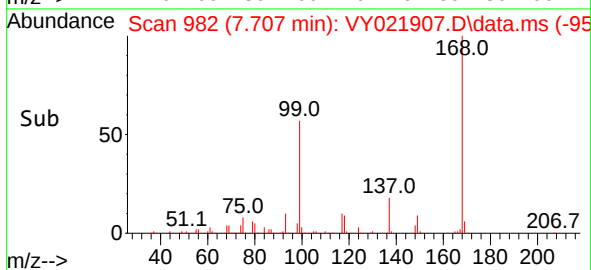
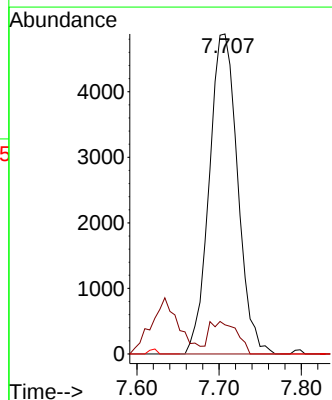
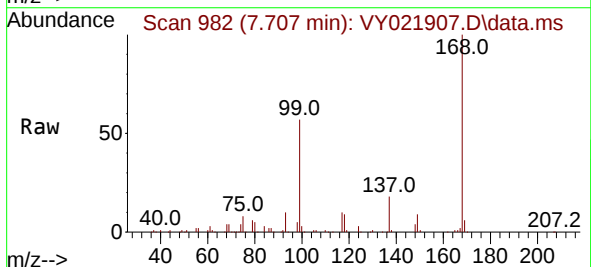
Instrument :
MSVOA_Y
ClientSampleId :
RT-3873

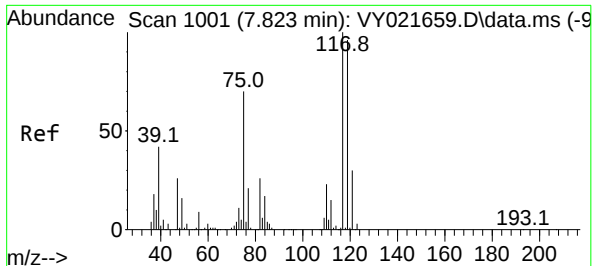
Tgt Ion:113 Resp: 76995
Ion Ratio Lower Upper
113 100
111 101.2 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.023 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 75 Resp: 11724
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.8 37.2#

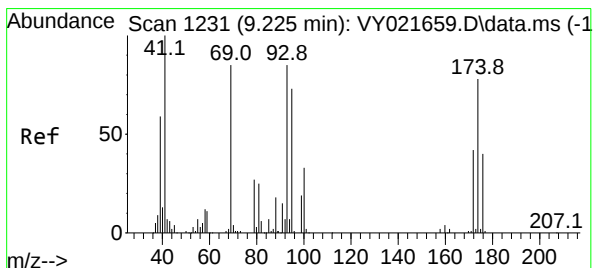
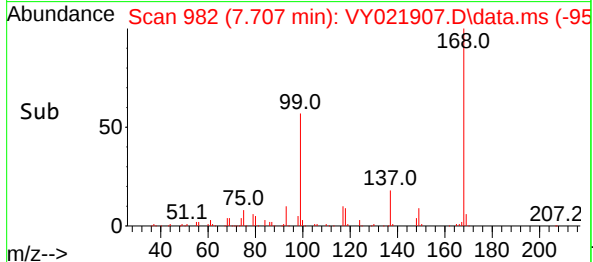
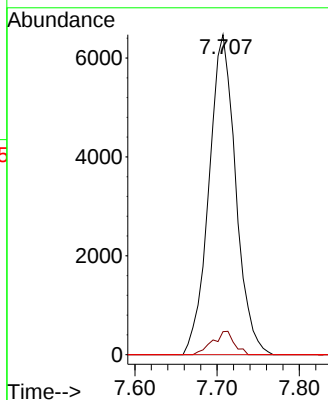
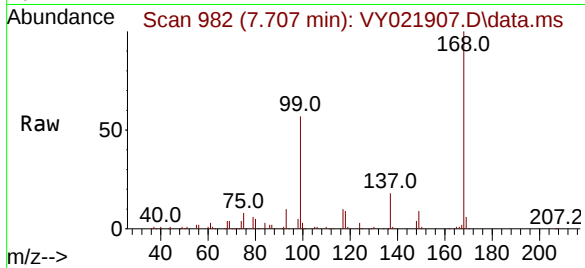




#38
Carbon Tetrachloride
Concen: 5.490 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

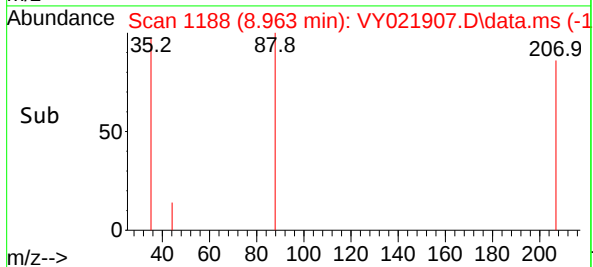
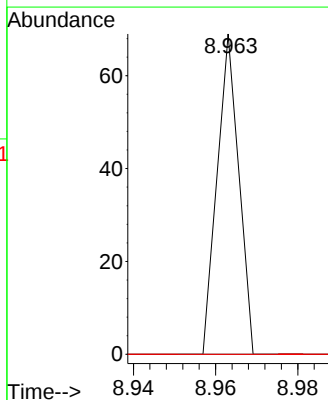
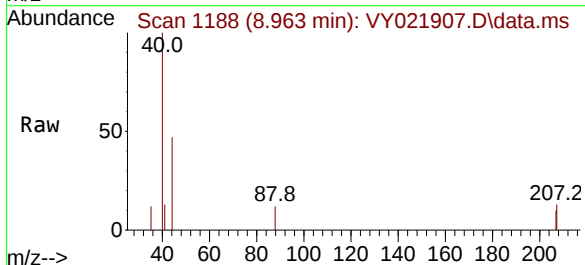
Instrument :
MSVOA_Y
ClientSampleId :
RT-3873

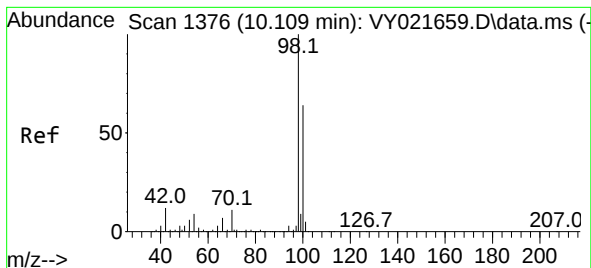
Tgt Ion:117 Resp: 14674
Ion Ratio Lower Upper
117 100
119 7.2 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 2.448 ug/l
RT: 8.963 min Scan# 1188
Delta R.T. -0.262 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#





#50

Toluene-d8

Concen: 47.077 ug/l

RT: 10.103 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY021907.D

Acq: 17 Apr 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

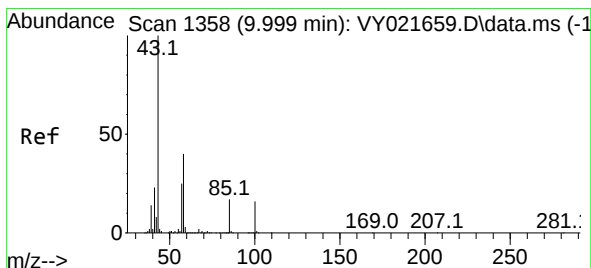
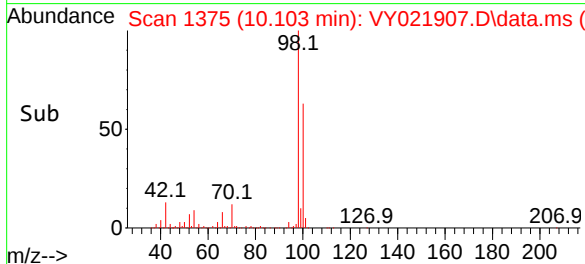
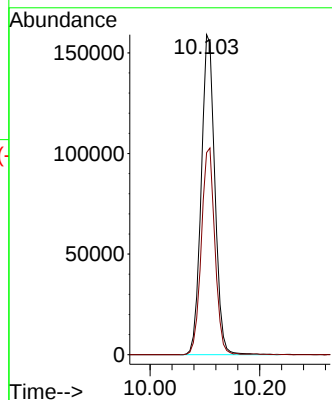
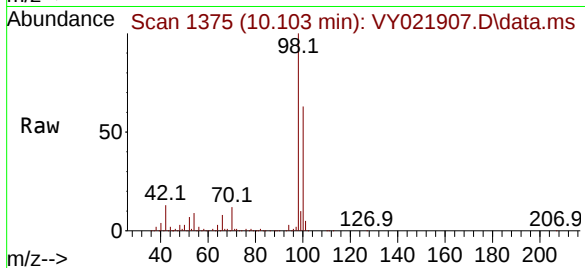
RT-3873

Tgt Ion: 98 Resp: 274418

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.203 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.104 min

Lab File: VY021907.D

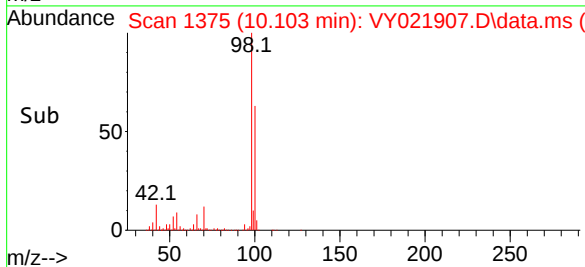
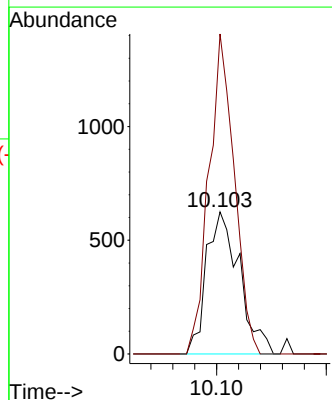
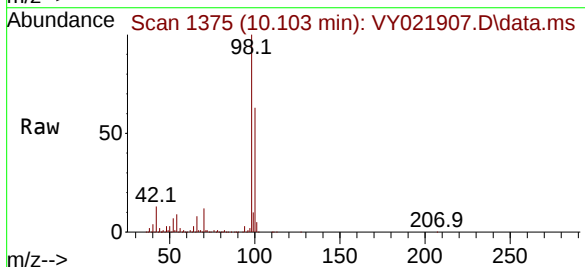
Acq: 17 Apr 2025 13:41

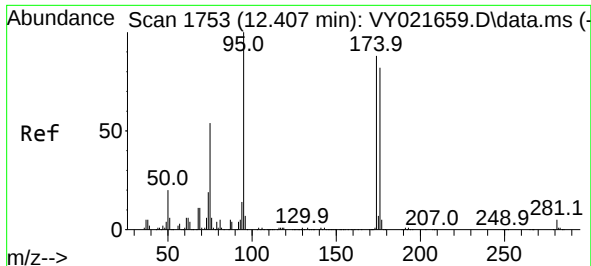
Tgt Ion: 43 Resp: 1307

Ion Ratio Lower Upper

43 100

58 173.8 31.5 47.3#

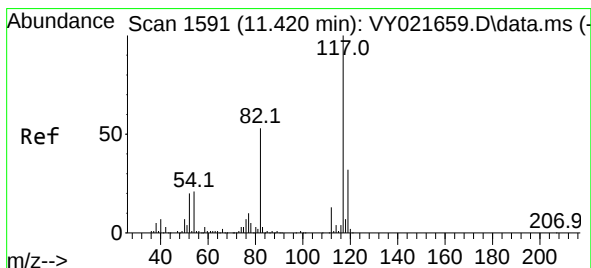
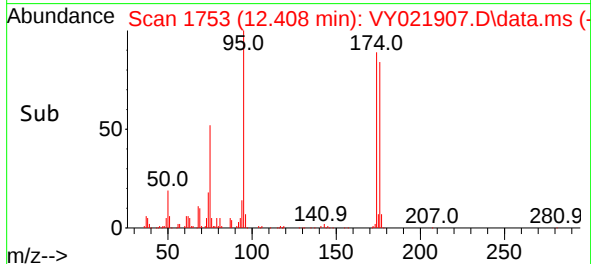
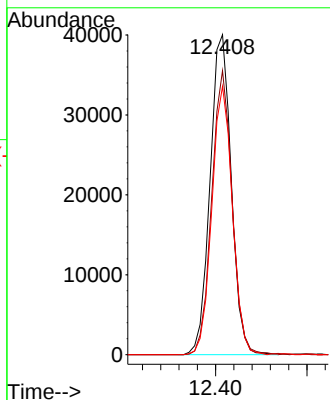
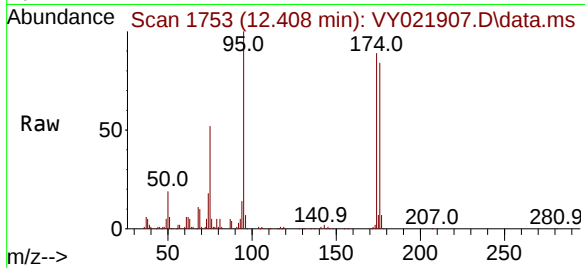




#62
4-Bromofluorobenzene
Concen: 32.625 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

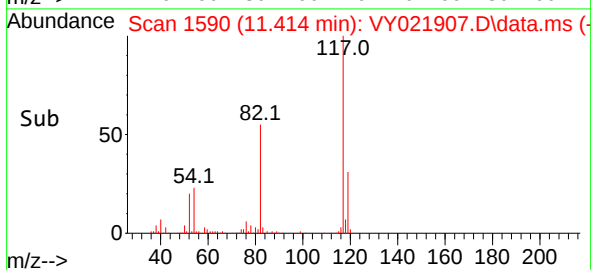
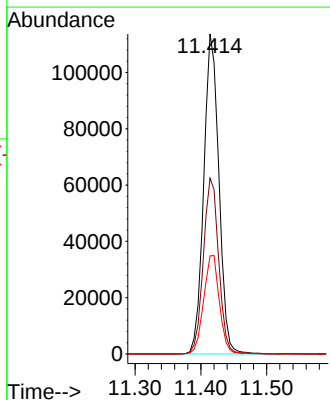
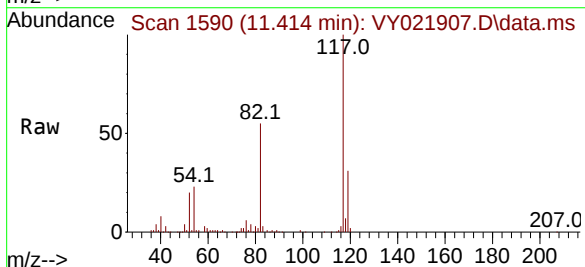
Instrument :
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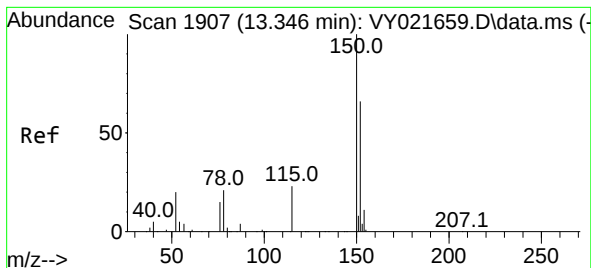
Tgt Ion: 95 Resp: 64325
Ion Ratio Lower Upper
95 100
174 85.9 0.0 170.8
176 81.3 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021907.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 117 Resp: 182413
Ion Ratio Lower Upper
117 100
82 54.9 42.8 64.2
119 30.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021907.D

Acq: 17 Apr 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

RT-3873

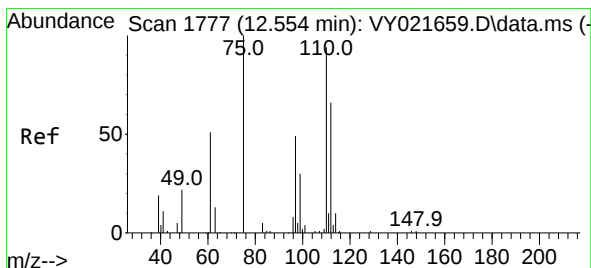
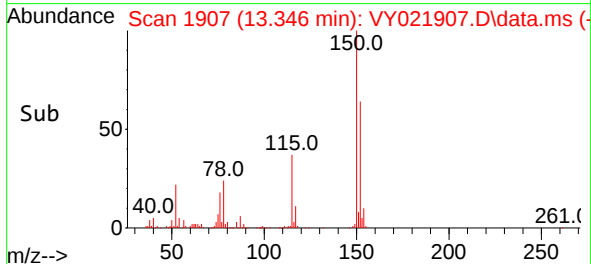
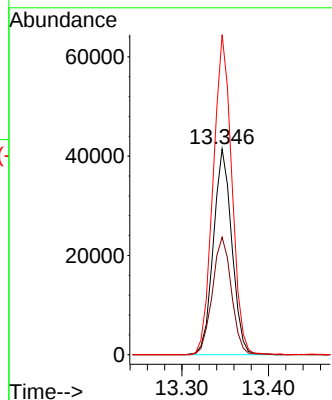
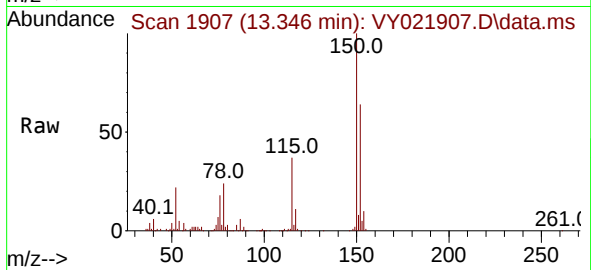
Tgt Ion:152 Resp: 61233

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 157.5 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 55.798 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021907.D

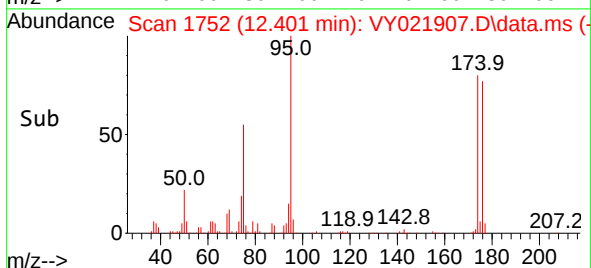
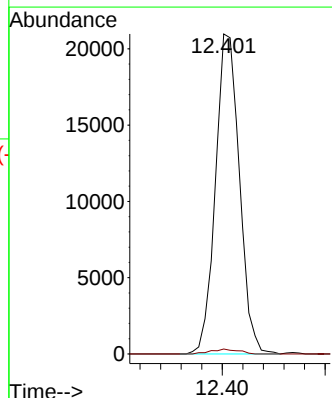
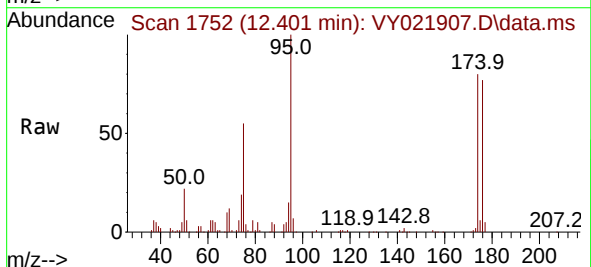
Acq: 17 Apr 2025 13:41

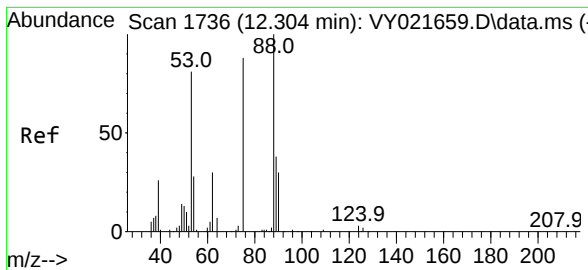
Tgt Ion: 75 Resp: 33868

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.568 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY021907.D
 Acq: 17 Apr 2025 13:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3873

Tgt Ion: 75 Resp: 33868
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.2 54.4#

