

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040225\
 Data File : VY021755.D
 Acq On : 02 Apr 2025 13:21
 Operator : SY/MD
 Sample : Q1684-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-040125

Quant Time: Apr 03 03:35:48 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)

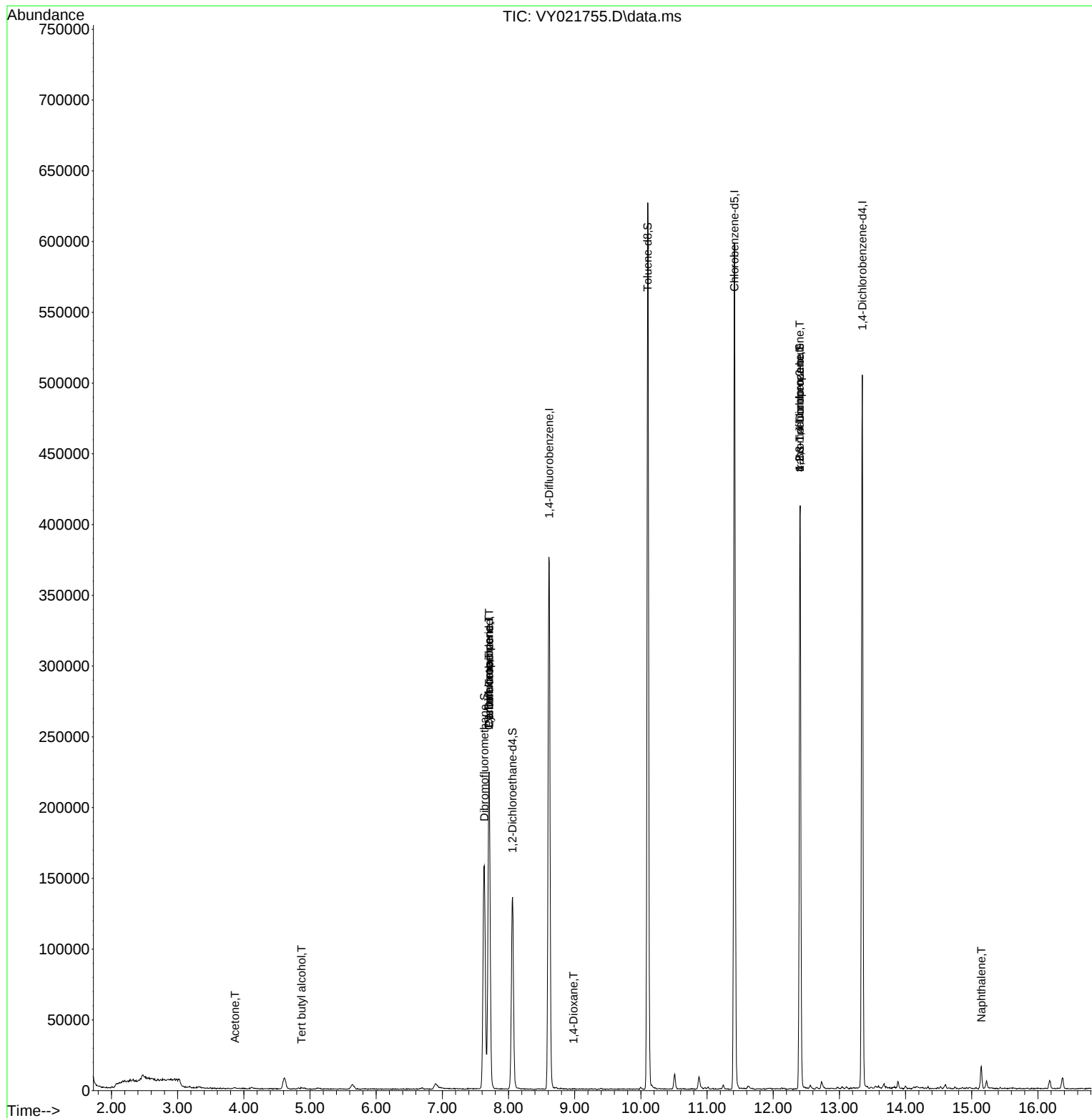
Internal Standards						
1) Pentafluorobenzene	7.707	168	170446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	324561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	300804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	122339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109957	59.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.080%	
35) Dibromofluoromethane	7.634	113	113171	53.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.500%	
50) Toluene-d8	10.103	98	399635	49.895	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.402	95	122721	45.298	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.600%	
Target Compounds						
11) Tert butyl alcohol	4.872	59	185	1.542	ug/l #	70
16) Acetone	3.867	43	1160	3.069	ug/l #	80
20) Methylene Chloride	4.604	84	5846	Below Cal		95
31) Cyclohexane	7.701	56	4063	1.247	ug/l #	40
36) 1,1-Dichloropropene	7.701	75	14359	4.478	ug/l #	51
38) Carbon Tetrachloride	7.707	117	17957	4.889	ug/l #	16
49) 1,4-Dioxane	8.981	88	51	3.634	ug/l #	40
76) 1,2,3-Trichloropropane	12.402	75	67246	55.452	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	67246	127.770	ug/l #	12
95) Naphthalene	15.145	128	12082	3.592	ug/l	96

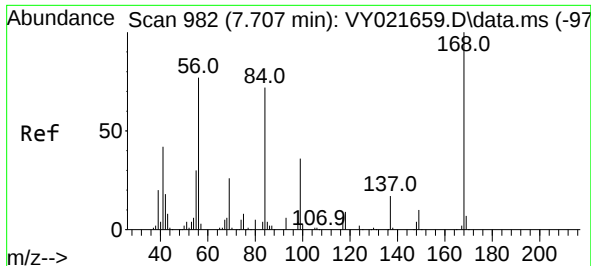
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040225\
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Quant Time: Apr 03 03:35:48 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

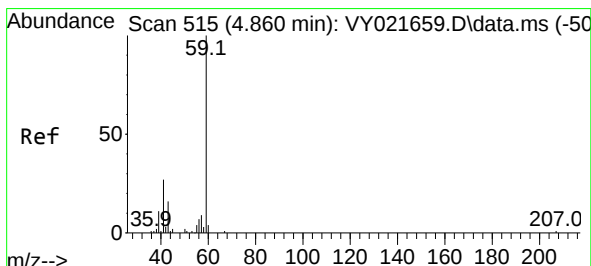
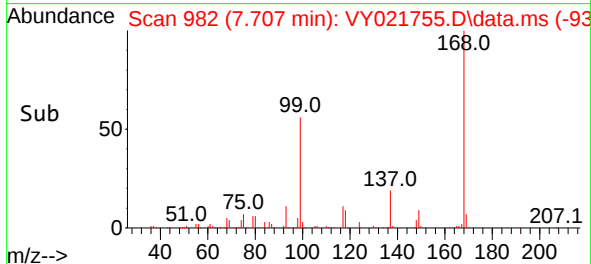
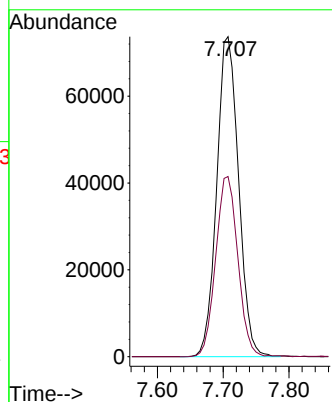
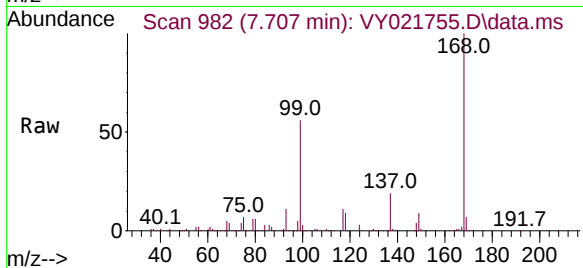




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

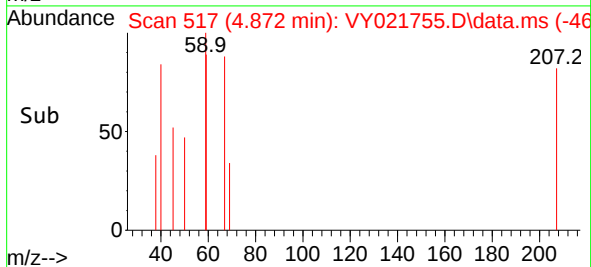
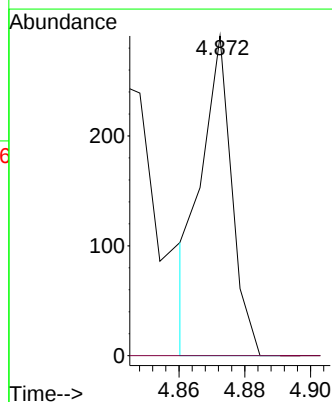
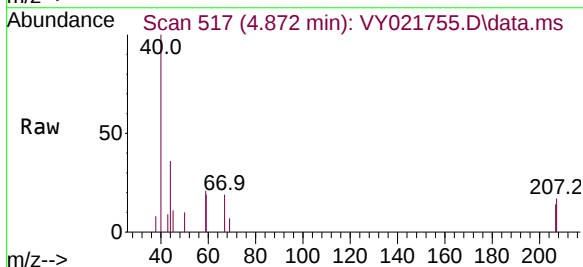
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-040125

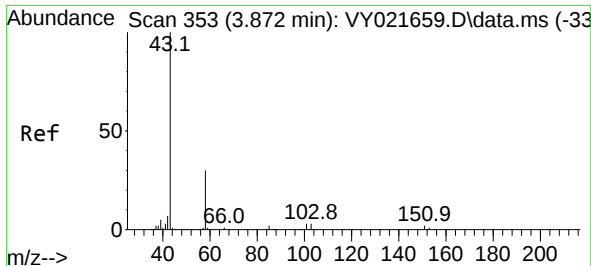
Tgt Ion:168 Resp: 170446
Ion Ratio Lower Upper
168 100
99 56.3 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.542 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 3.069 ug/l

RT: 3.867 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY021755.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

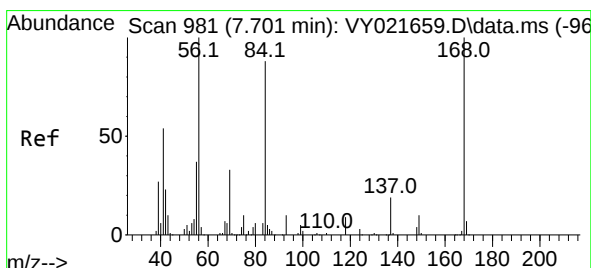
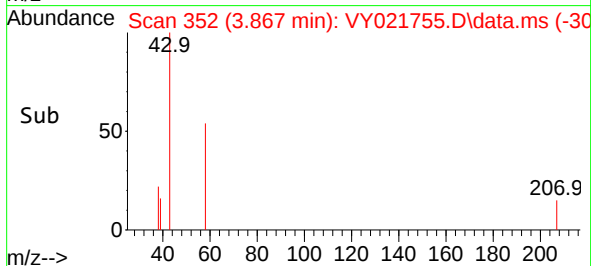
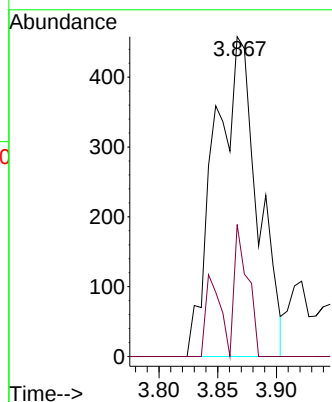
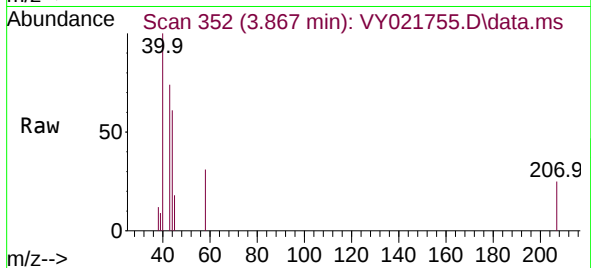
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Tgt Ion: 43 Resp: 1160

Ion Ratio Lower Upper

43 100

58 41.3 24.2 36.4#



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY021755.D

Acq: 02 Apr 2025 13:21

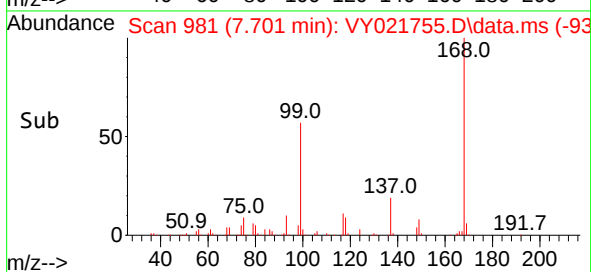
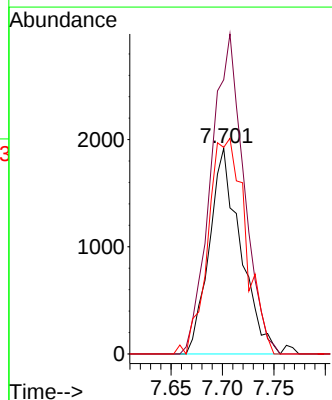
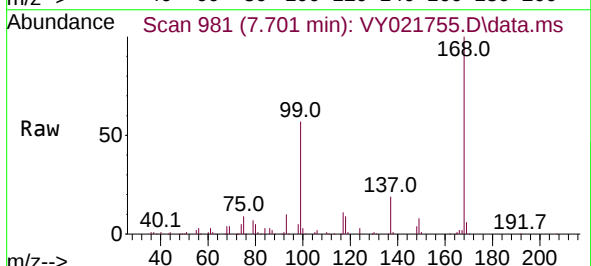
Tgt Ion: 56 Resp: 4063

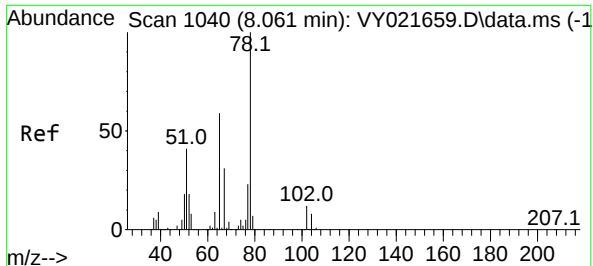
Ion Ratio Lower Upper

56 100

69 133.4 26.6 40.0#

84 100.5 69.0 103.4





#33

1,2-Dichloroethane-d4

Concen: 59.541 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021755.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

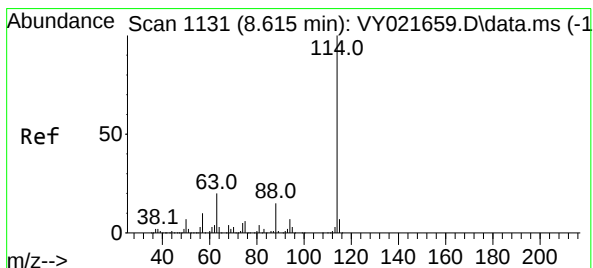
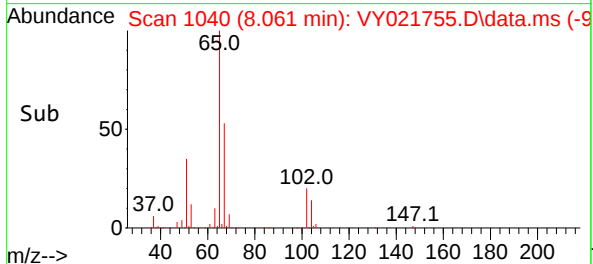
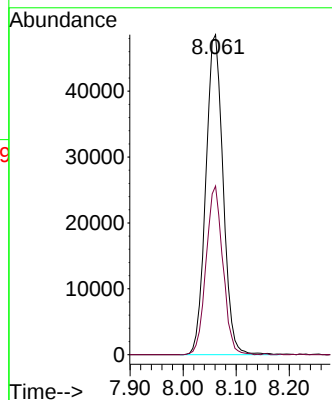
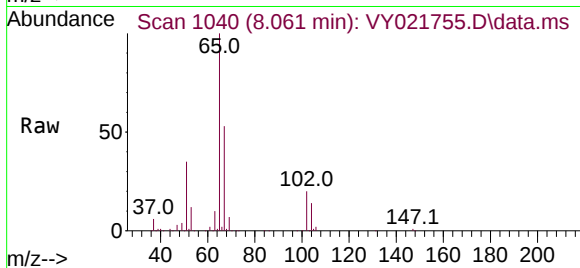
SU-04-040125

Tgt Ion: 65 Resp: 109957

Ion Ratio Lower Upper

65 100

67 51.2 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: VY021755.D

Acq: 02 Apr 2025 13:21

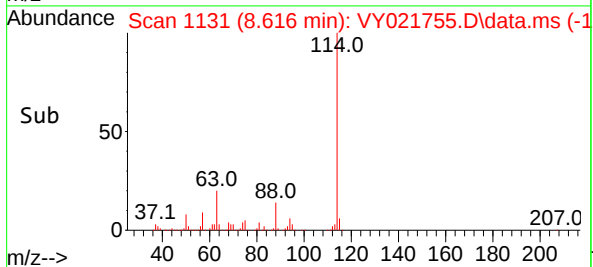
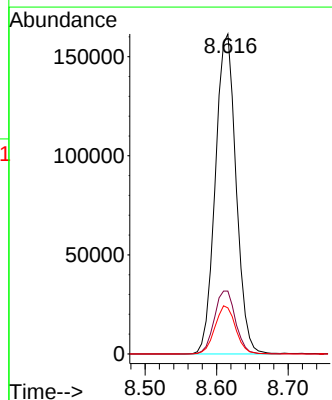
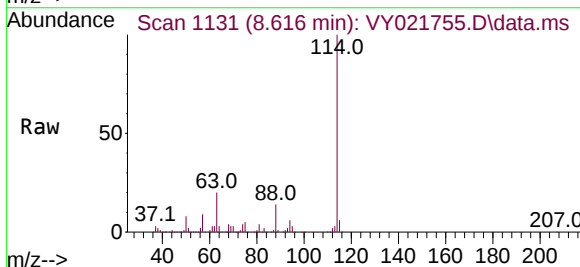
Tgt Ion: 114 Resp: 324561

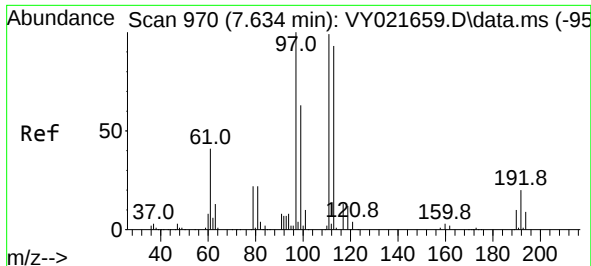
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 14.4 0.0 29.8

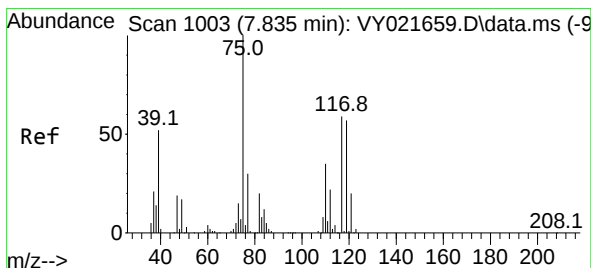
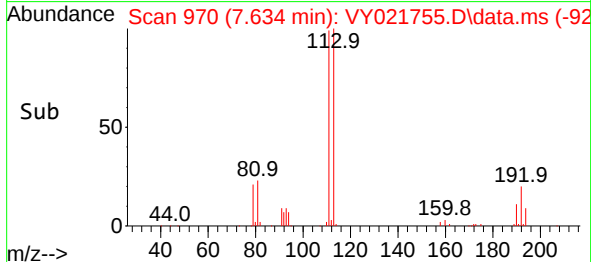
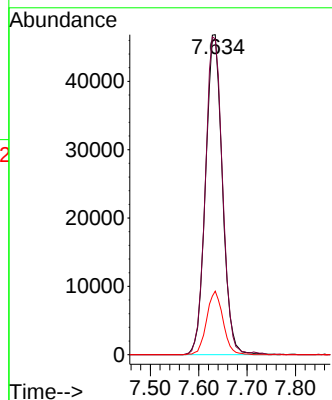
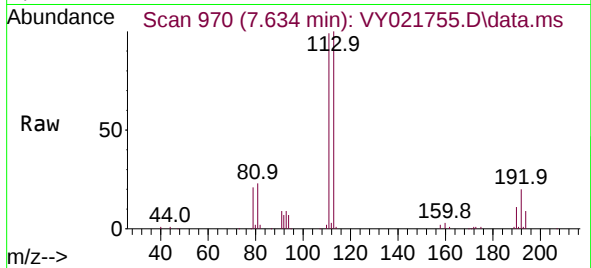




#35
Dibromofluoromethane
Concen: 53.753 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

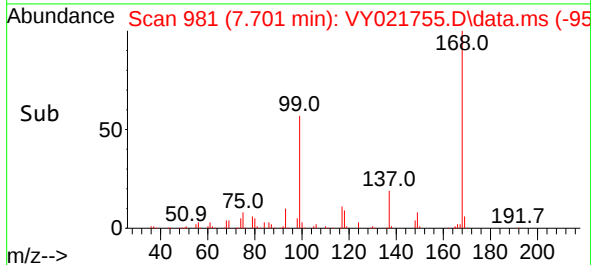
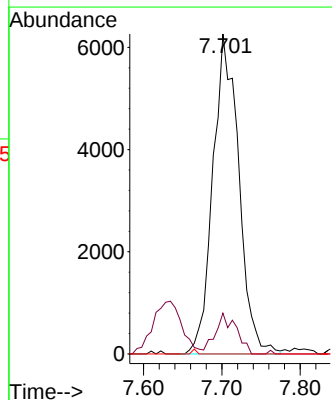
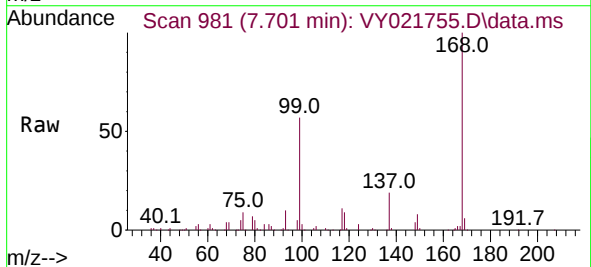
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-040125

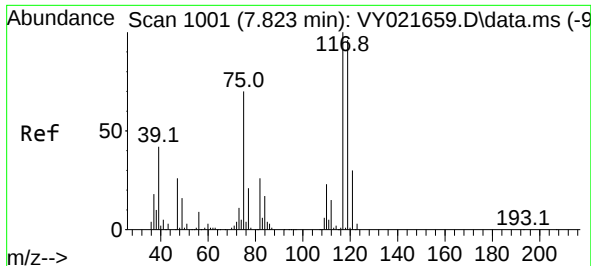
Tgt Ion:113 Resp: 113171
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 75 Resp: 14359
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.8 37.2#

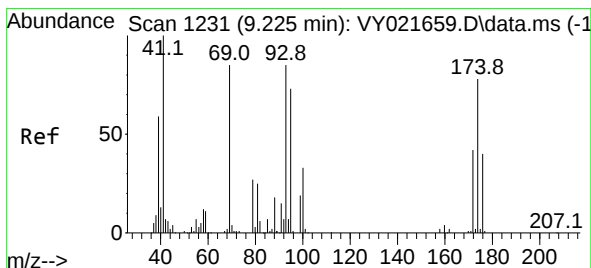
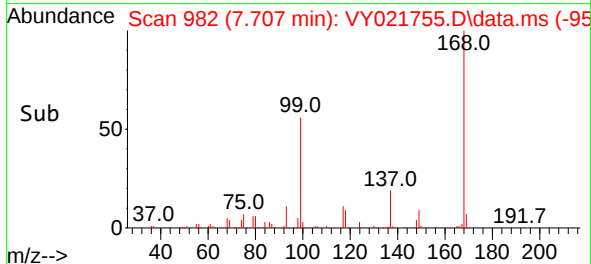
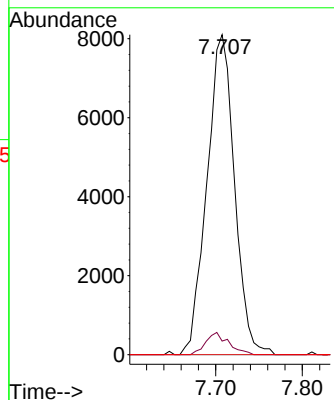
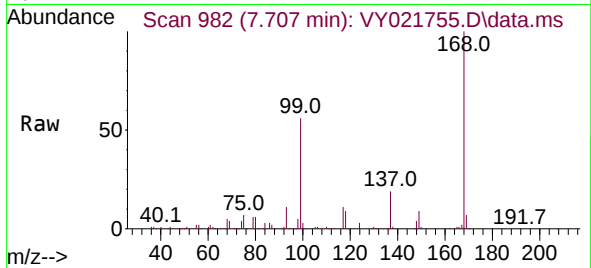




#38
Carbon Tetrachloride
Concen: 4.889 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

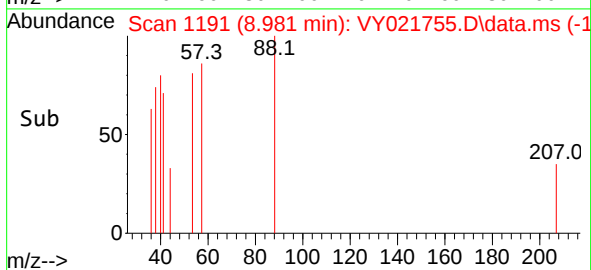
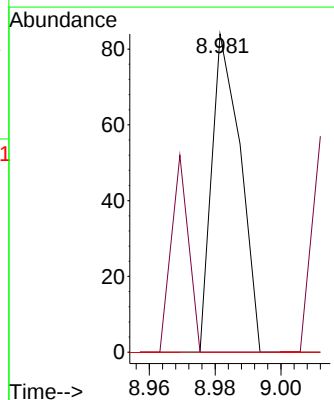
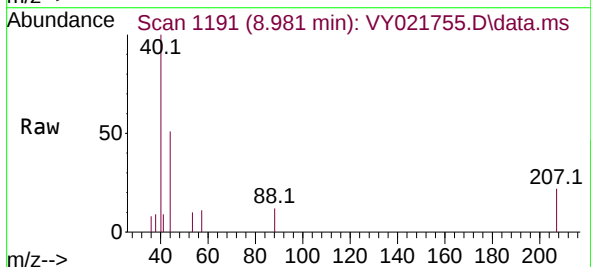
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ClientSampleId :
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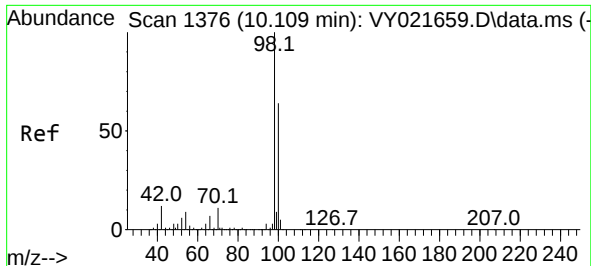
Tgt Ion:117 Resp: 17957
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 3.634 ug/l
RT: 8.981 min Scan# 1191
Delta R.T. -0.244 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 37.3 28.8 43.2
58 0.0 59.4 89.2#

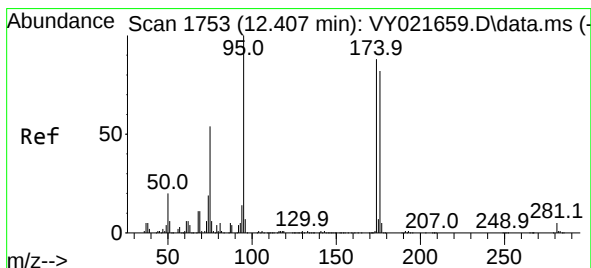
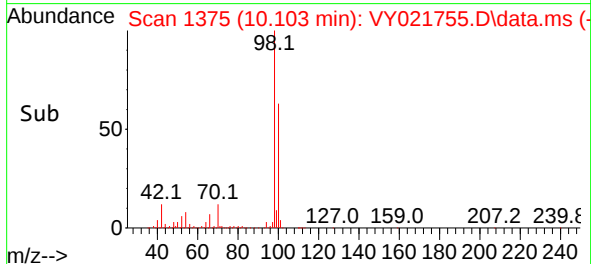
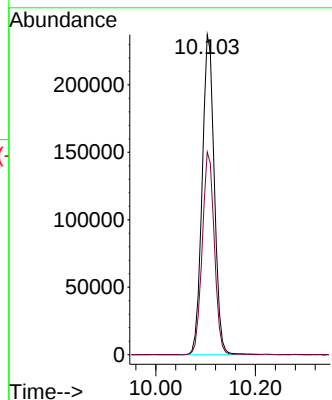
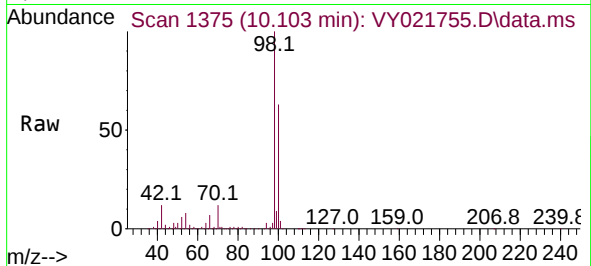




#50
Toluene-d8
Concen: 49.895 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

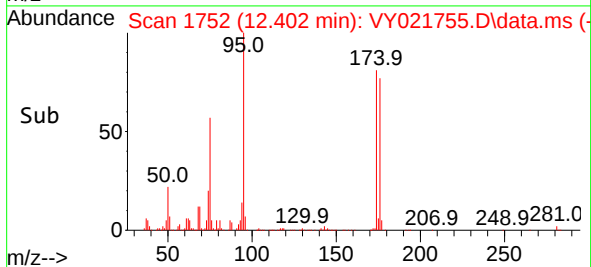
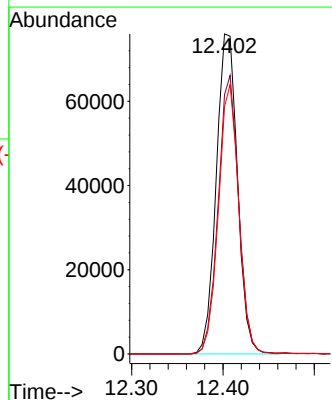
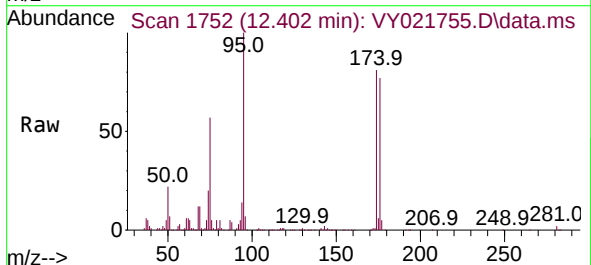
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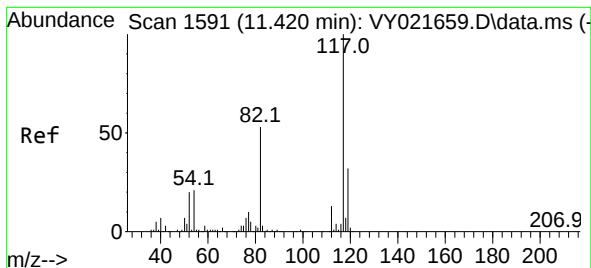
Tgt Ion: 98 Resp: 399635
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.298 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 95 Resp: 122721
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.8
176 80.8 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021755.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-040125

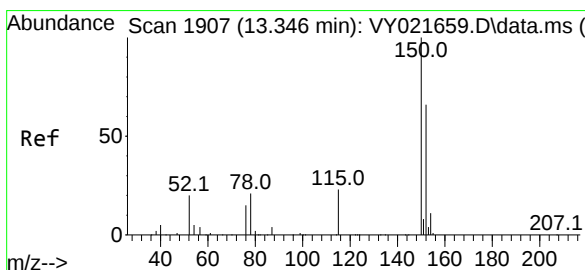
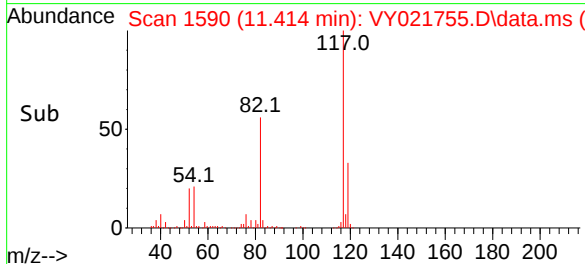
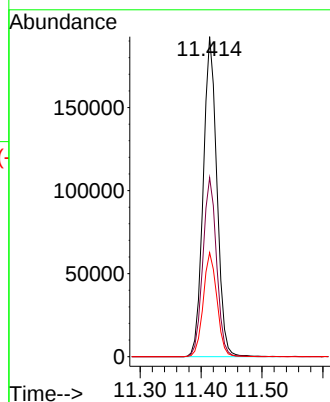
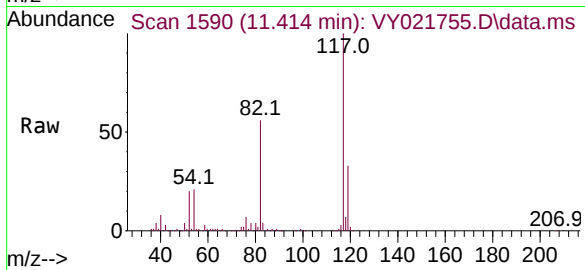
Tgt Ion:117 Resp: 300804

Ion Ratio Lower Upper

117 100

82 56.0 42.8 64.2

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021755.D

Acq: 02 Apr 2025 13:21

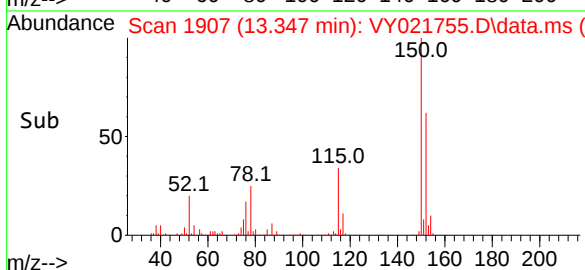
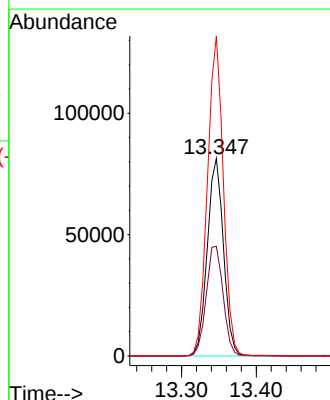
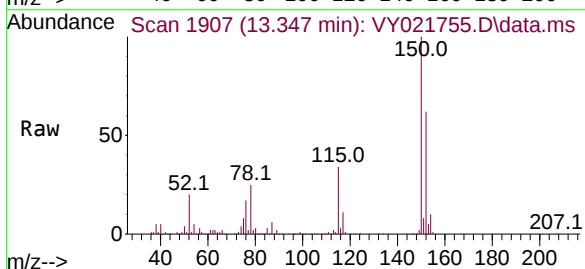
Tgt Ion:152 Resp: 122339

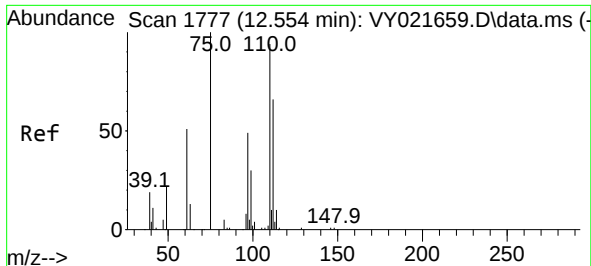
Ion Ratio Lower Upper

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115 58.1 28.8 86.5

150 158.6 0.0 348.4

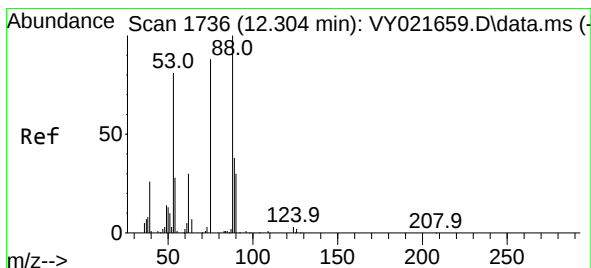
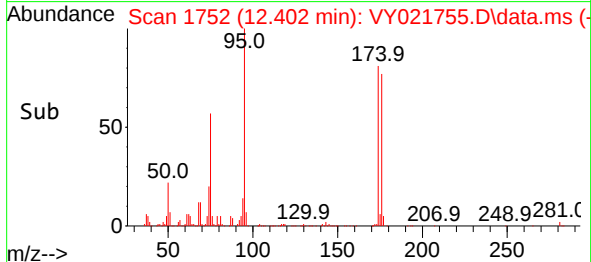
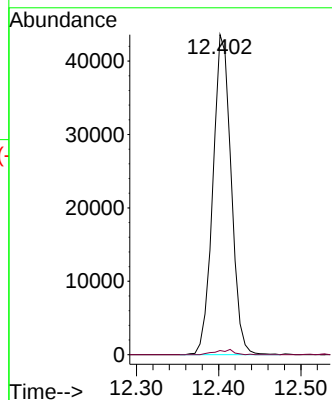
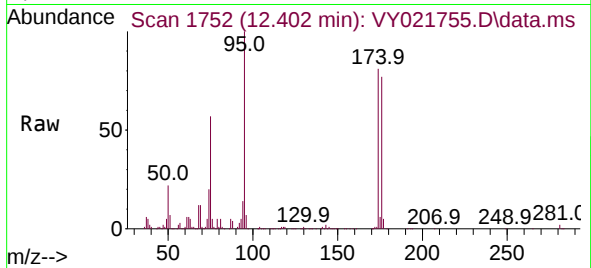




#76
1,2,3-Trichloropropane
Concen: 55.452 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

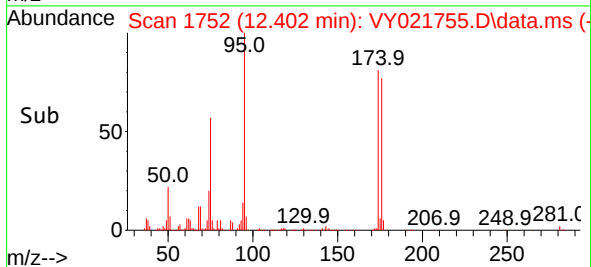
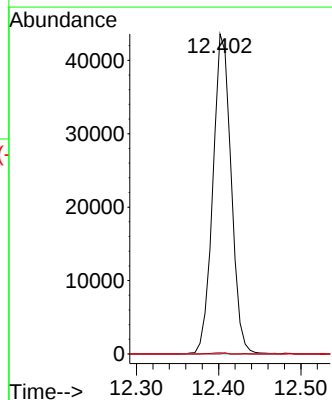
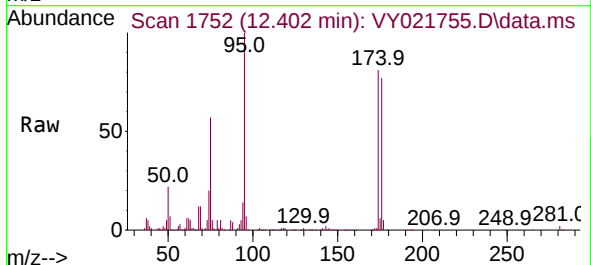
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-040125

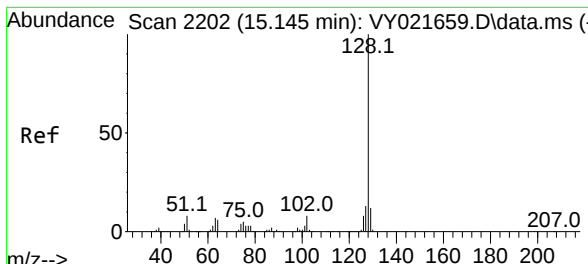
Tgt Ion: 75 Resp: 67246
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.770 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021755.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 75 Resp: 67246
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.1 36.2 54.4#





#95
 Naphthalene
 Concen: 3.592 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY021755.D
 Acq: 02 Apr 2025 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-040125

Tgt Ion:	128	Resp:	12082
Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.8	16.2
129	11.8	8.8	13.2

