

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022259.D
 Acq On : 15 May 2025 12:34
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 16 01:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	370240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	643452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	512184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	186798	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	205860	50.875	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.760%
35) Dibromofluoromethane	7.634	113	193643	50.421	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.109	98	769774	48.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.408	95	205688	41.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.520%

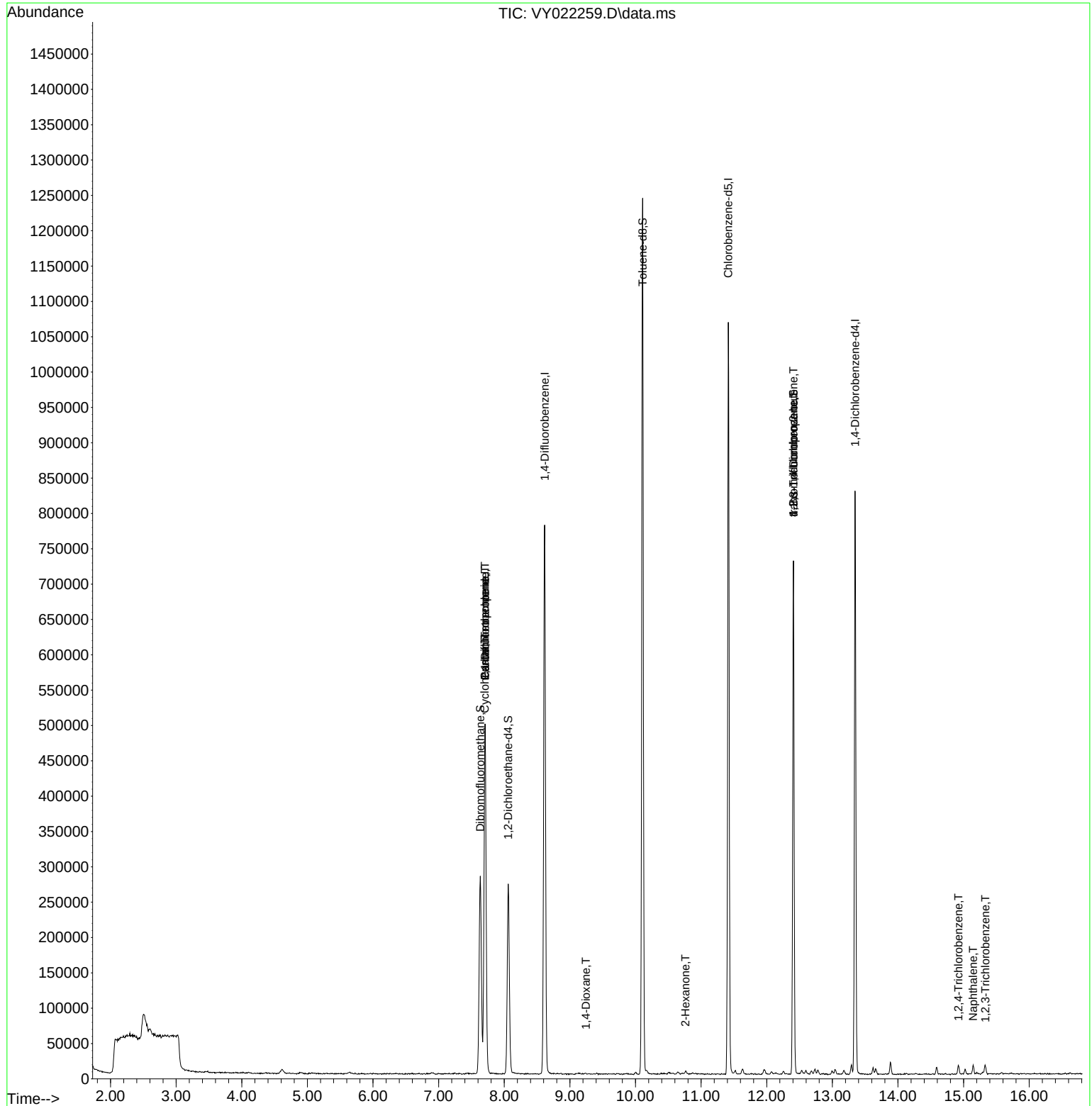
Target Compounds					Qvalue	
31) Cyclohexane	7.701	56	9493	1.160	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	31398	4.964	ug/l #	51
38) Carbon Tetrachloride	7.707	117	37085	5.664	ug/l #	16
49) 1,4-Dioxane	9.243	88	57	2.069	ug/l #	1
59) 2-Hexanone	10.762	43	3642	1.668	ug/l	90
76) 1,2,3-Trichloropropane	12.408	75	119384	63.084	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	119384	127.792	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.919	180	3359	1.026	ug/l	94
95) Naphthalene	15.145	128	8480	1.365	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	3313	1.193	ug/l	94

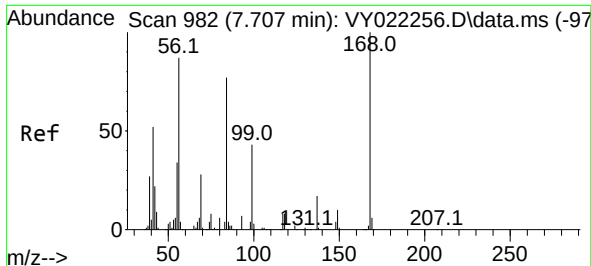
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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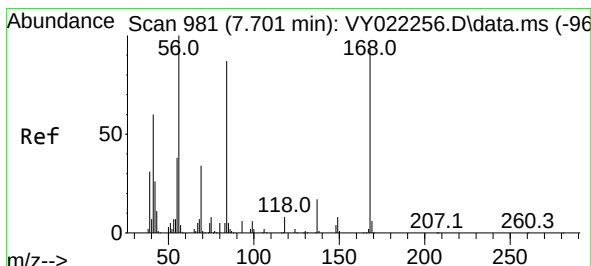
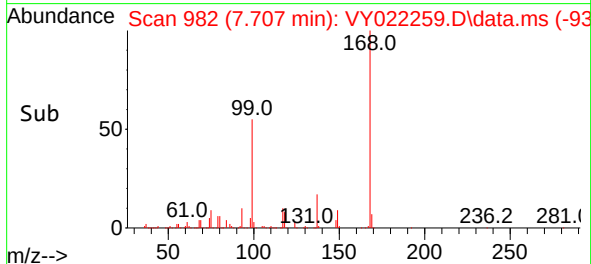
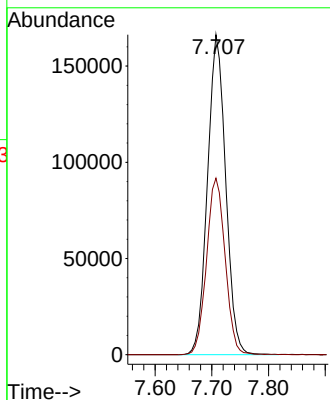
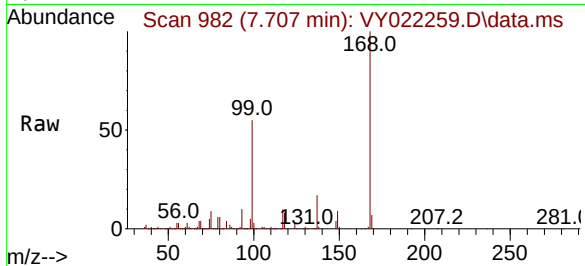




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

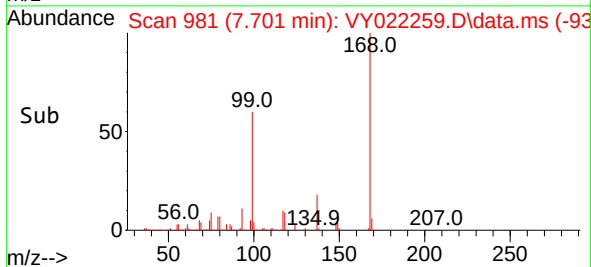
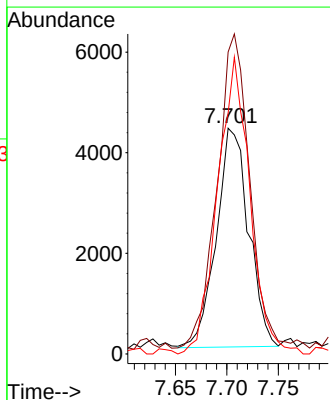
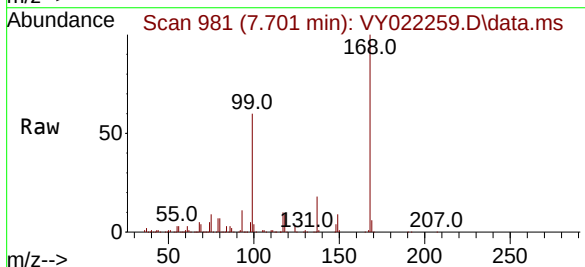
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

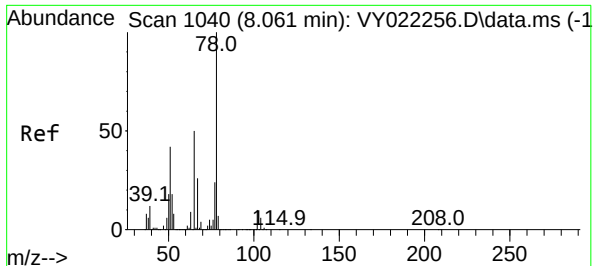
Tgt Ion:168 Resp: 370240
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion: 56 Resp: 9493
Ion Ratio Lower Upper
56 100
69 135.6 27.4 41.2#
84 110.4 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 50.875 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

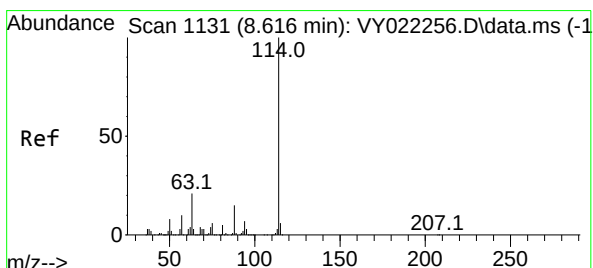
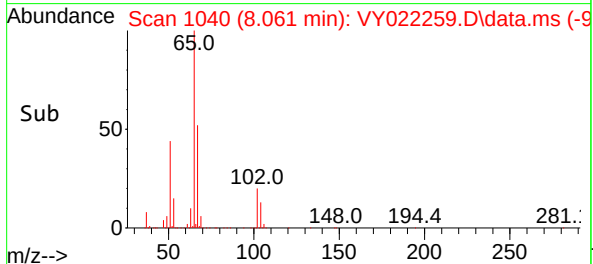
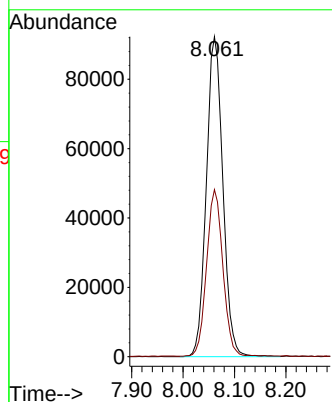
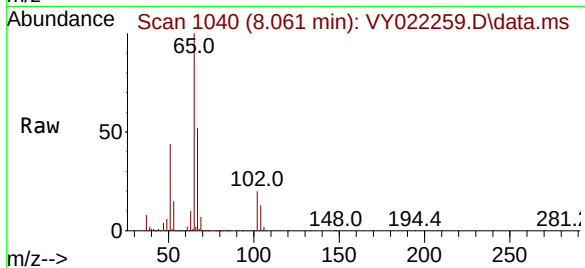
VIBLK

Tgt Ion: 65 Resp: 205860

Ion Ratio Lower Upper

65 100

67 51.3 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: VY022259.D

Acq: 15 May 2025 12:34

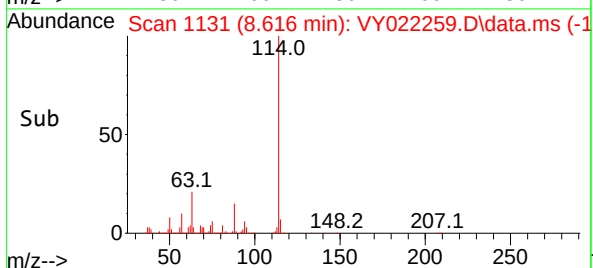
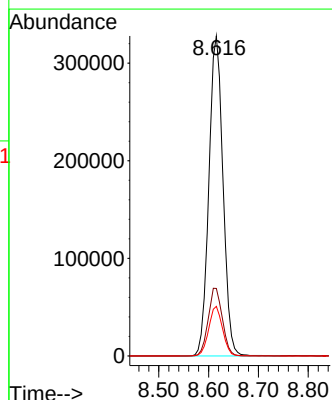
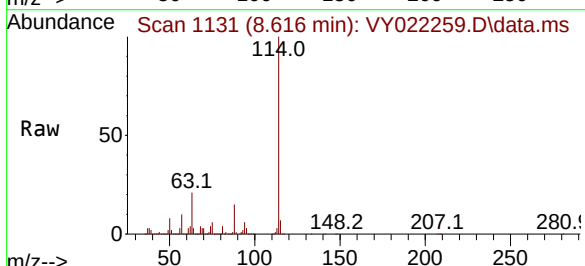
Tgt Ion:114 Resp: 643452

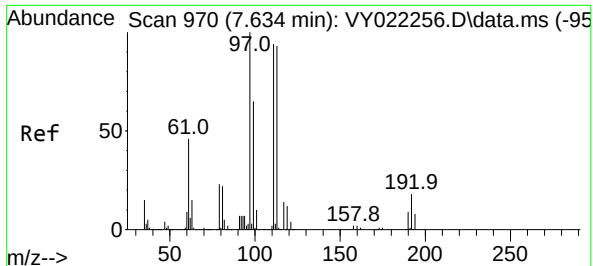
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 15.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.421 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

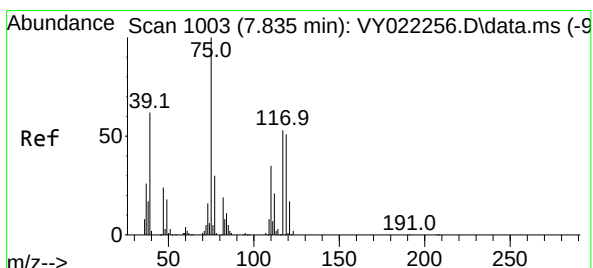
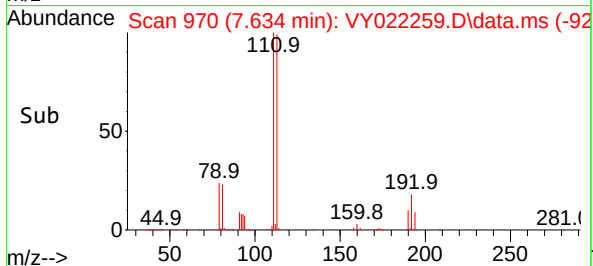
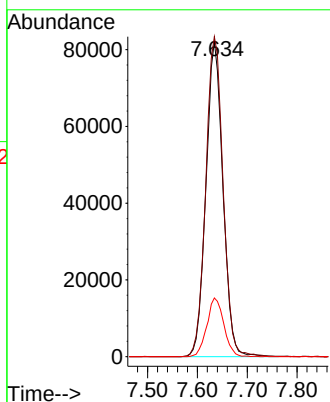
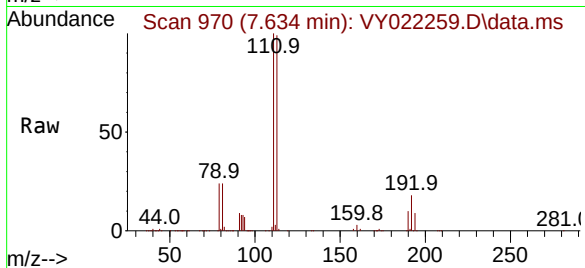
Tgt Ion:113 Resp: 193643

Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 18.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.964 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

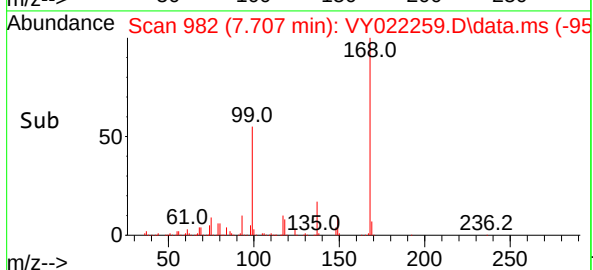
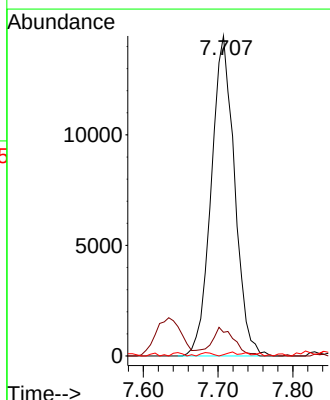
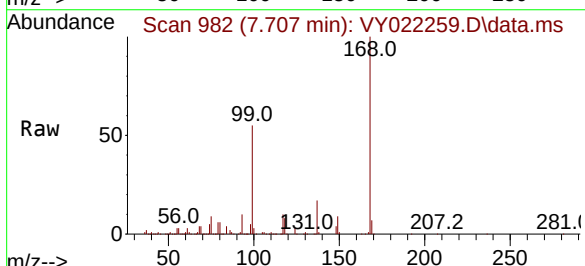
Tgt Ion: 75 Resp: 31398

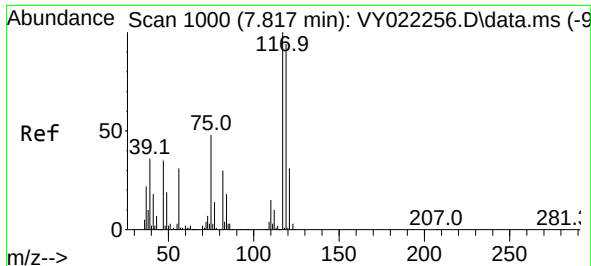
Ion Ratio Lower Upper

75 100

110 8.7 16.6 49.8#

77 0.6 24.6 37.0#

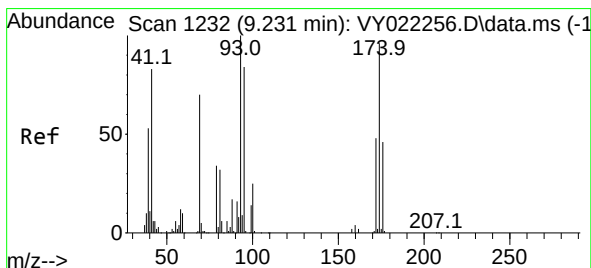
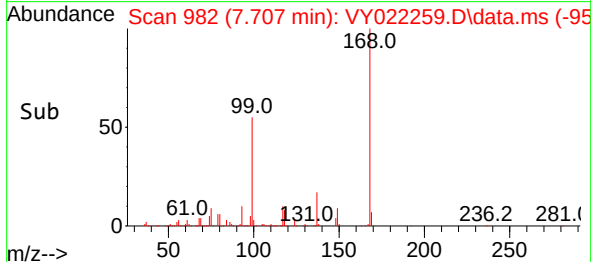
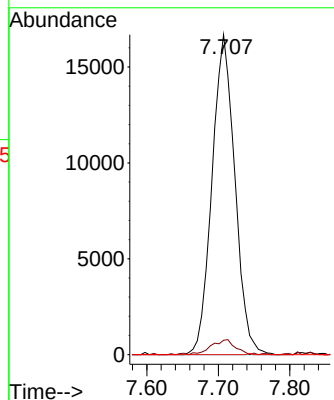
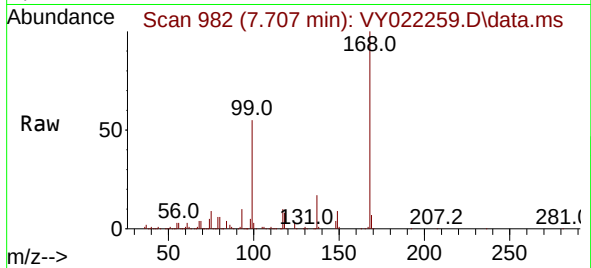




#38
Carbon Tetrachloride
Concen: 5.664 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

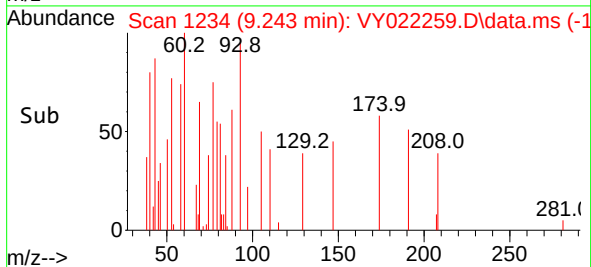
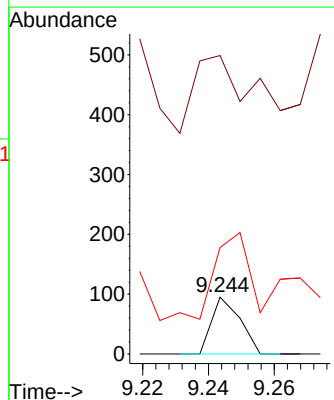
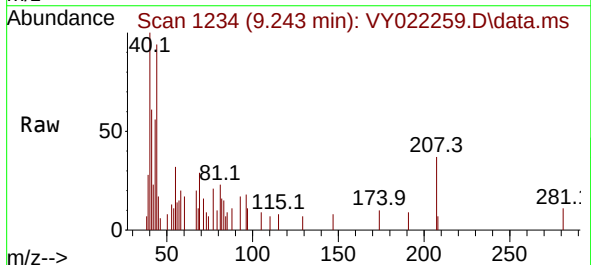
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

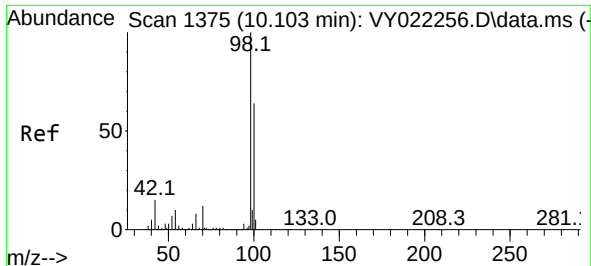
Tgt Ion: 117 Resp: 37085
Ion Ratio Lower Upper
117 100
119 4.5 75.3 112.9#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 2.069 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.012 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 278.9 28.5 42.7#
58 510.5 61.4 92.2#

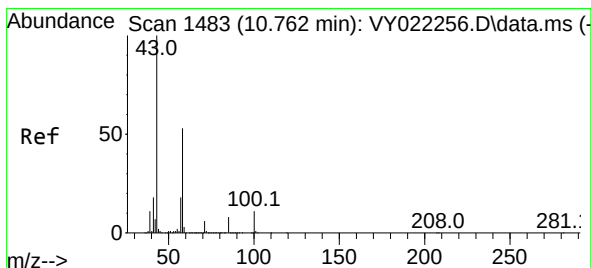
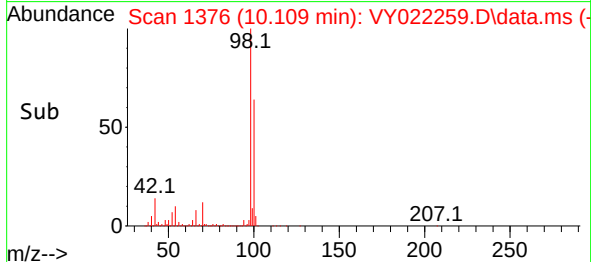
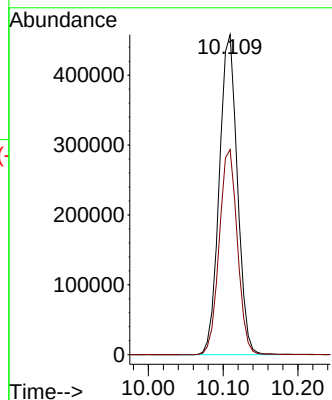
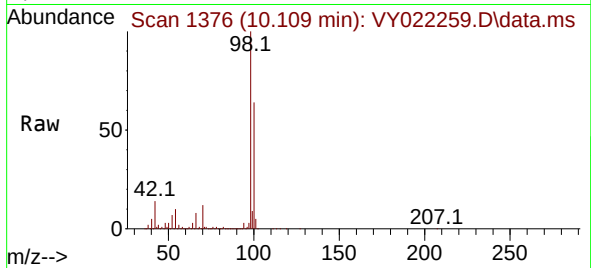




#50
Toluene-d8
Concen: 48.940 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

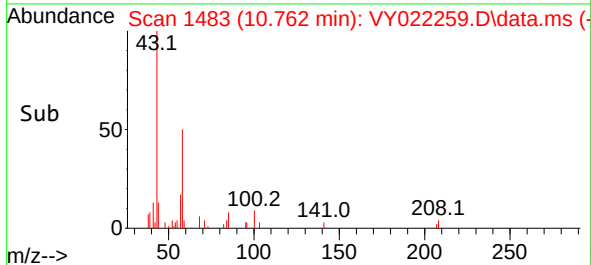
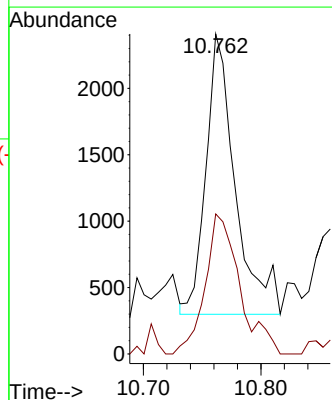
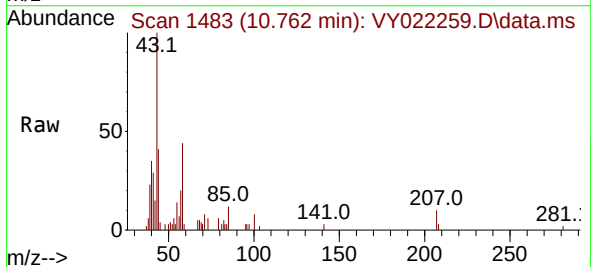
Instrument :
MSVOA_Y
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VIBLK

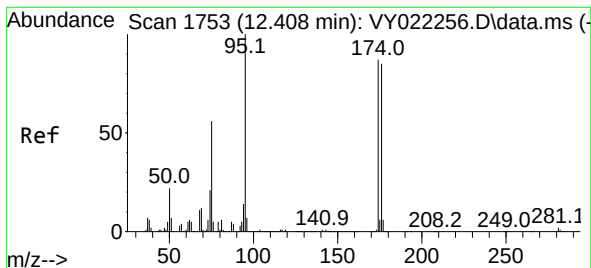
Tgt Ion: 98 Resp: 769774
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#59
2-Hexanone
Concen: 1.668 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
58 59.1 26.1 78.3

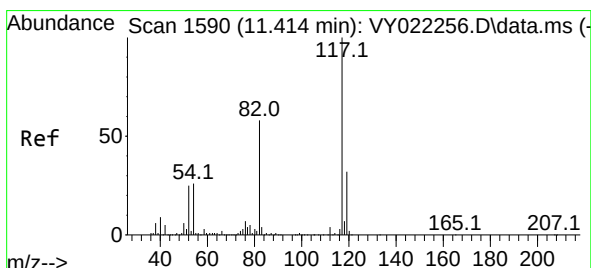
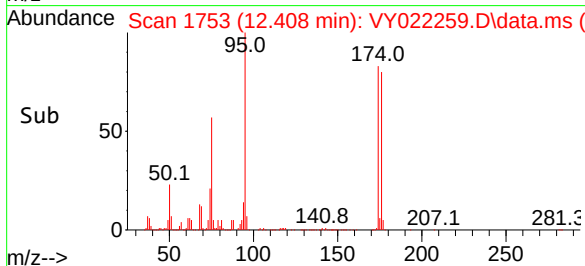
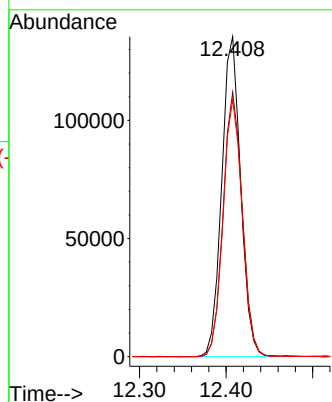
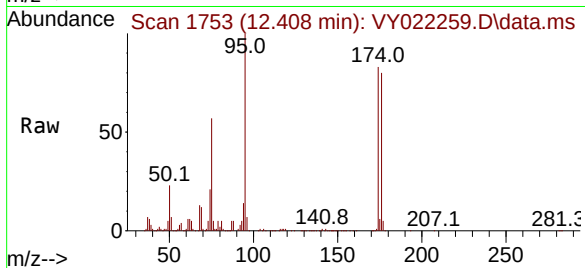




#62
4-Bromofluorobenzene
Concen: 41.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

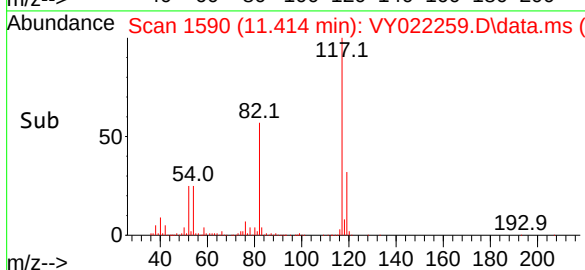
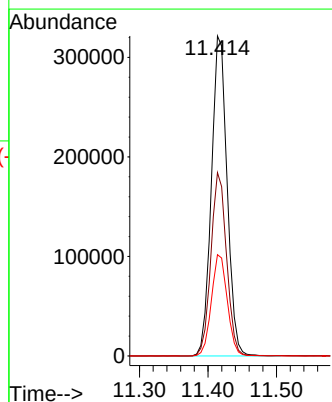
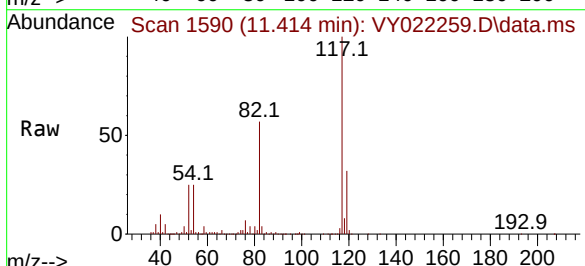
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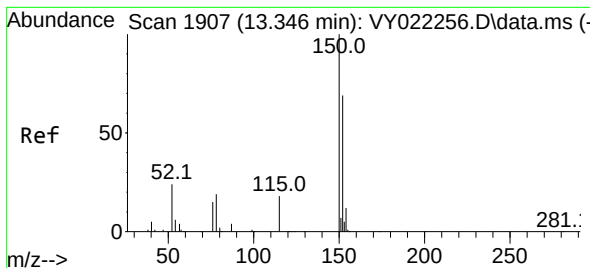
Tgt Ion: 95 Resp: 205688
Ion Ratio Lower Upper
95 100
174 83.7 0.0 166.8
176 81.4 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022259.D
Acq: 15 May 2025 12:34

Tgt Ion: 117 Resp: 512184
Ion Ratio Lower Upper
117 100
82 57.3 46.6 70.0
119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

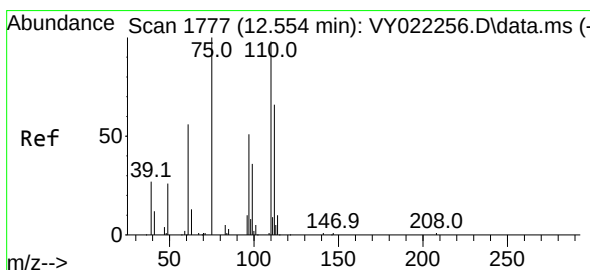
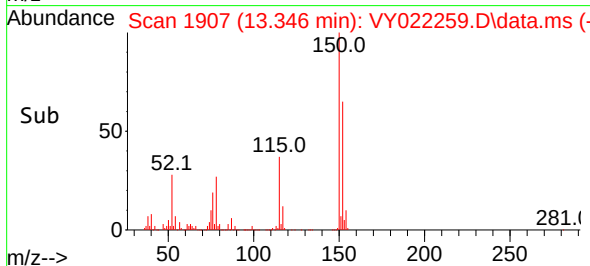
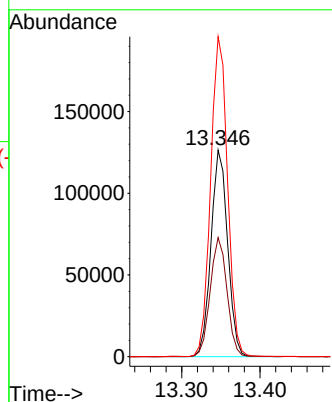
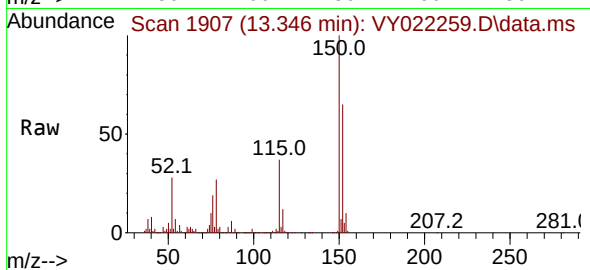
Tgt Ion:152 Resp: 186798

Ion Ratio Lower Upper

152 100

115 58.1 29.4 88.2

150 157.3 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 63.084 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022259.D

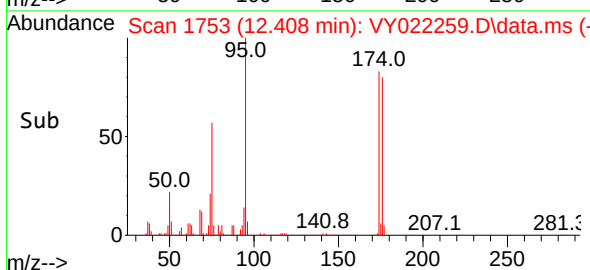
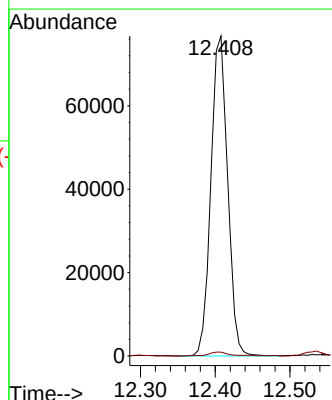
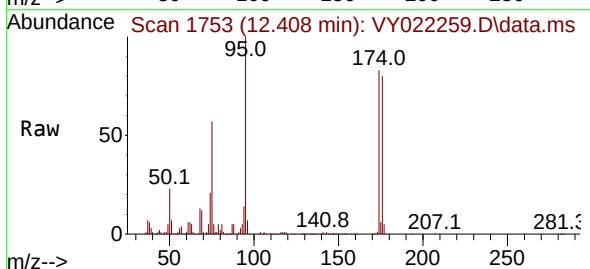
Acq: 15 May 2025 12:34

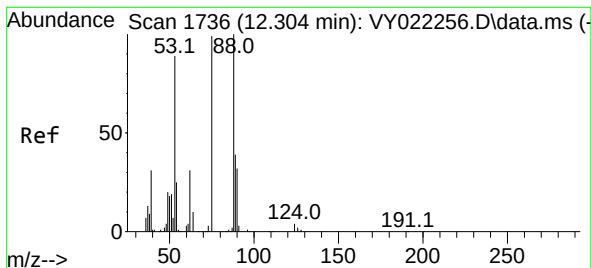
Tgt Ion: 75 Resp: 119384

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

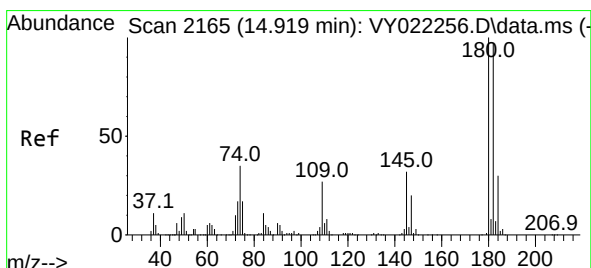
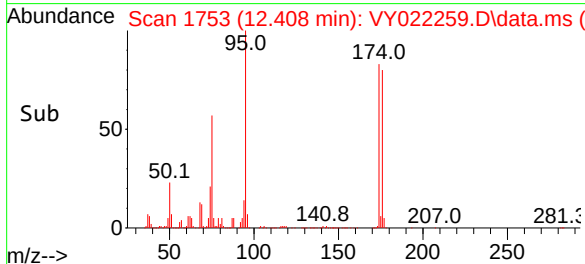
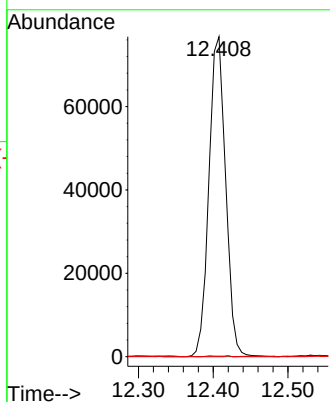
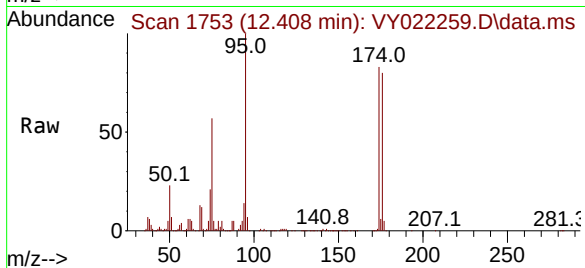




#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.792 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022259.D
 Acq: 15 May 2025 12:34

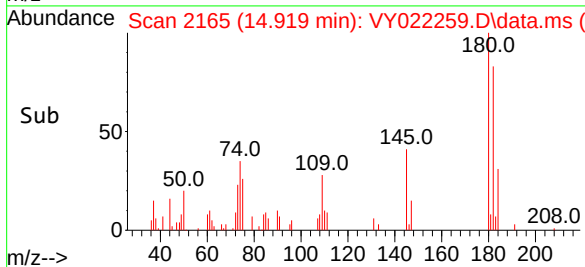
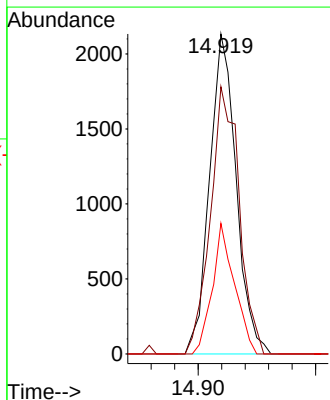
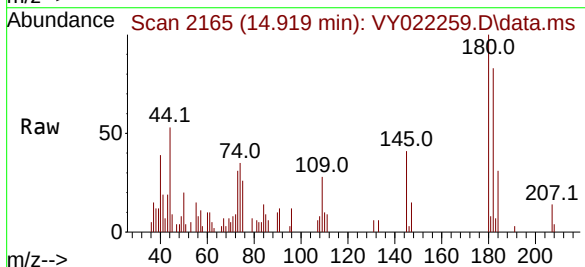
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

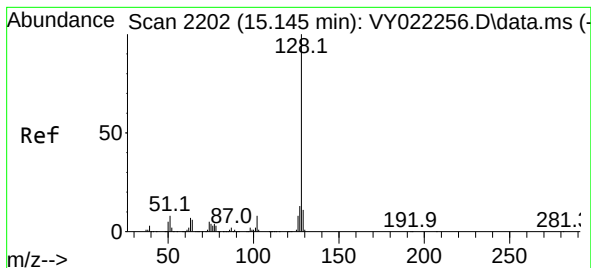
Tgt Ion: 75 Resp: 119384
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 36.2 54.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.026 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY022259.D
 Acq: 15 May 2025 12:34

Tgt Ion:180 Resp: 3359
 Ion Ratio Lower Upper
 180 100
 182 89.9 48.0 144.0
 145 33.9 15.0 45.1





#95

Naphthalene

Concen: 1.365 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

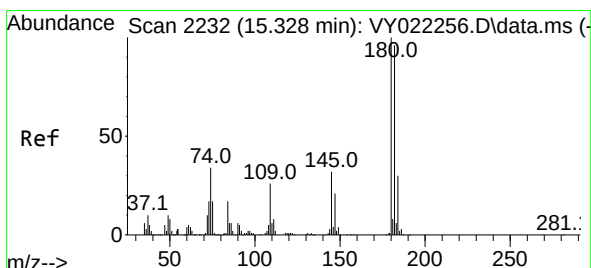
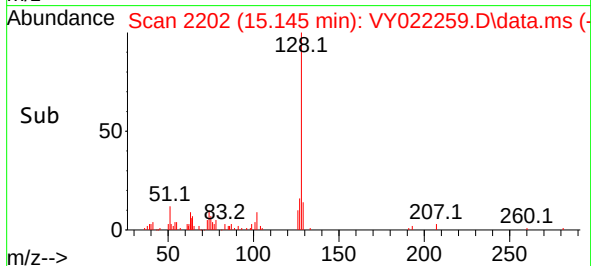
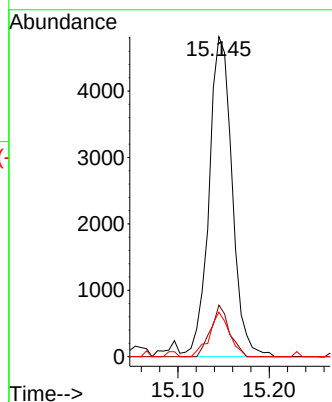
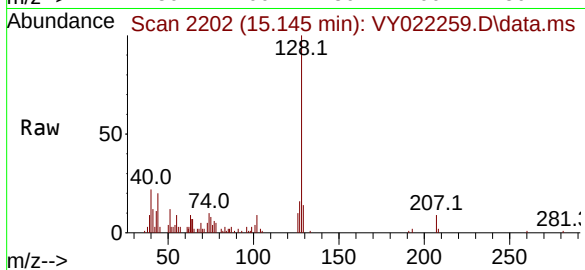
Tgt Ion:128 Resp: 8480

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 12.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 1.193 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022259.D

Acq: 15 May 2025 12:34

Tgt Ion:180 Resp: 3313

Ion Ratio Lower Upper

180 100

182 101.5 47.1 141.3

145 30.1 15.9 47.6

