

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021502.D
 Acq On : 12 Mar 2025 11:47
 Operator : SY/MD
 Sample : VY0312SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBL01

Quant Time: Mar 13 01:36:04 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	7.707	168	279829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	501387	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	431961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	167294	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158571	53.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.220%
35) Dibromofluoromethane	7.634	113	164760	49.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.980%
50) Toluene-d8	10.103	98	609608	48.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.408	95	176618	41.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.220%

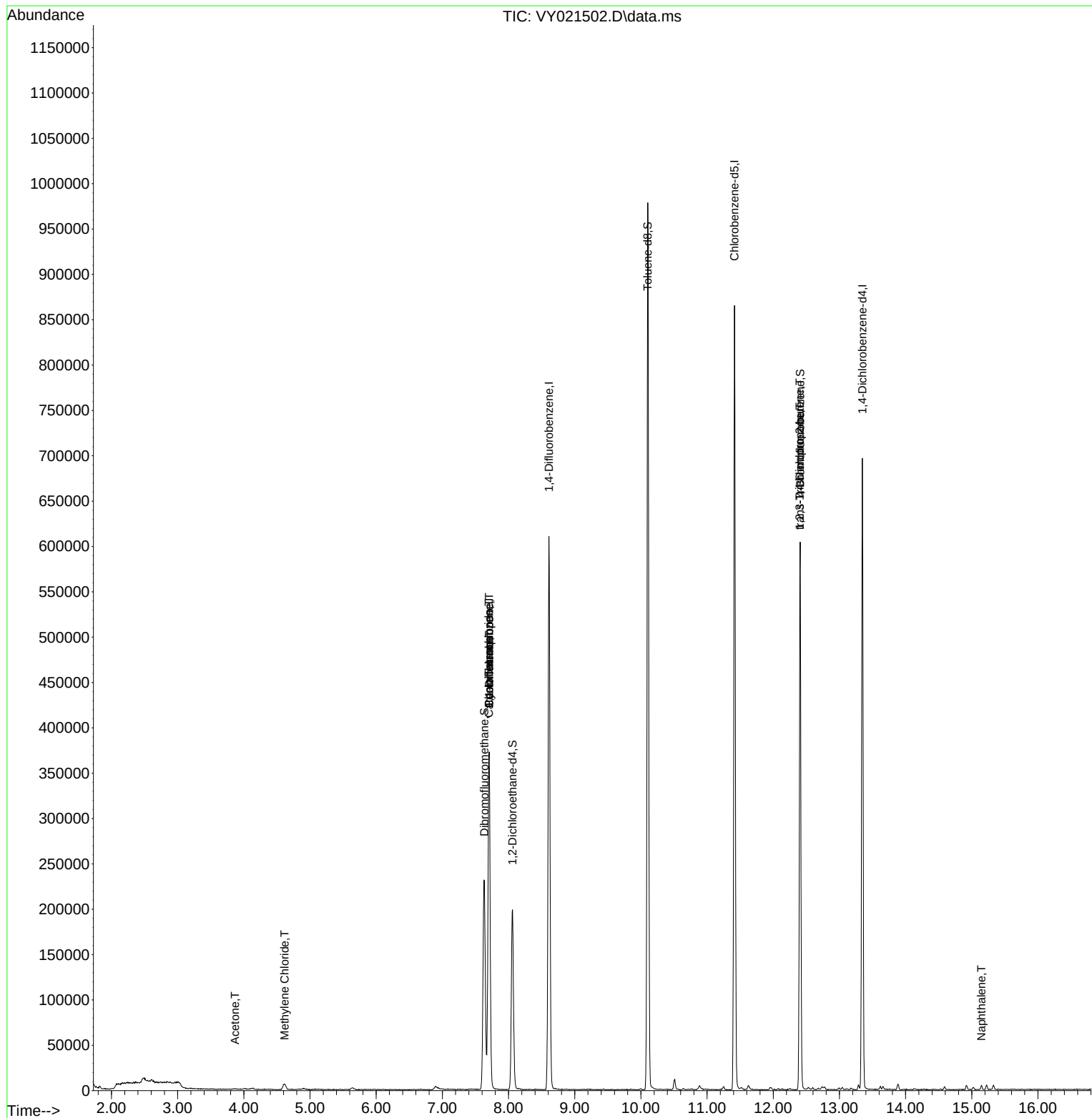
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.848	59	173	Below Cal	#	72
16) Acetone	3.867	43	1117	1.732	ug/l	96
20) Methylene Chloride	4.616	84	4382	1.294	ug/l	87
31) Cyclohexane	7.707	56	6398	1.155	ug/l	# 9
36) 1,1-Dichloropropene	7.707	75	22774	4.415	ug/l	# 50
38) Carbon Tetrachloride	7.701	117	29272	4.934	ug/l	# 18
76) 1,2,3-Trichloropropane	12.402	75	96715	57.371	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	96715	130.421	ug/l	# 9
95) Naphthalene	15.145	128	3344	2.186	ug/l	# 94

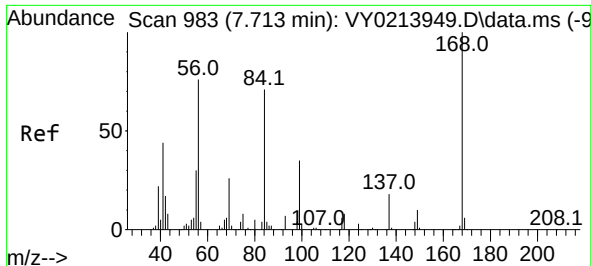
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

Quant Time: Mar 13 01:36:04 2025
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Response via : Initial Calibration

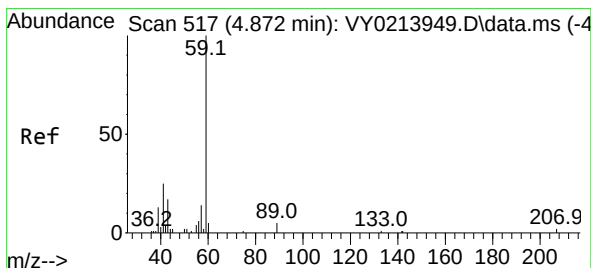
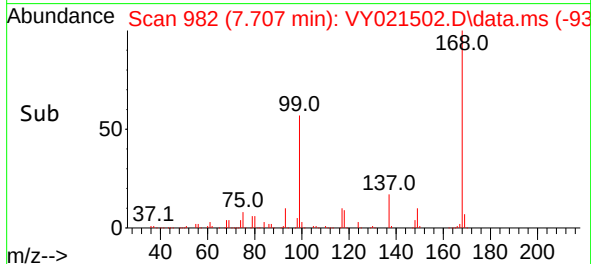
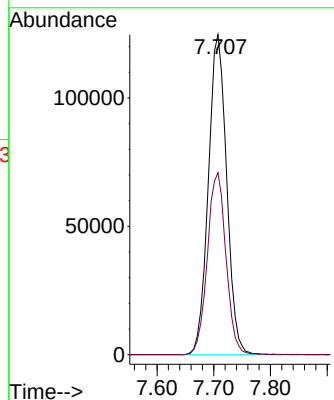
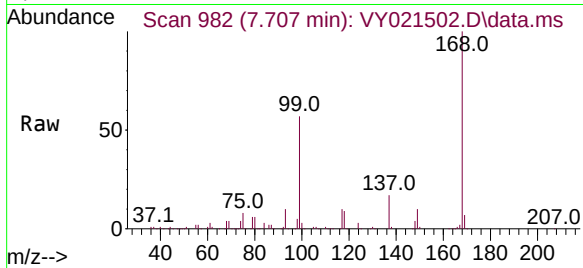




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

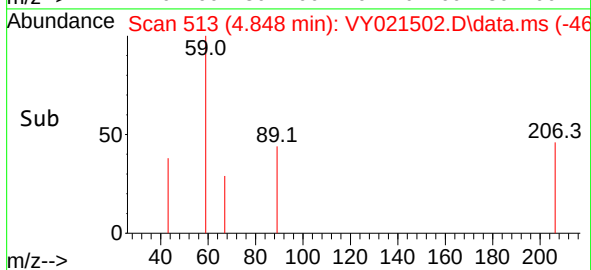
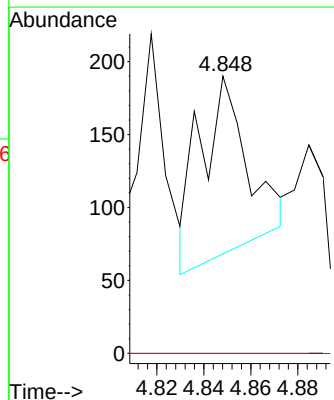
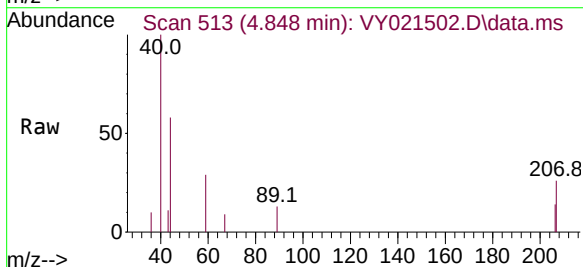
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

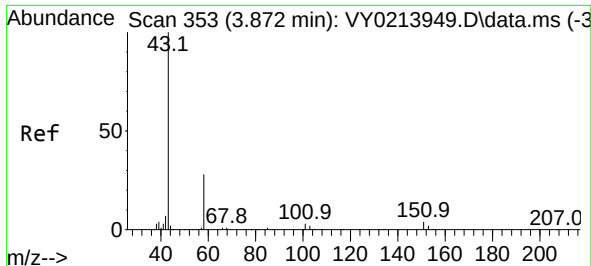
Tgt Ion:168 Resp: 279829
Ion Ratio Lower Upper
168 100
99 56.9 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

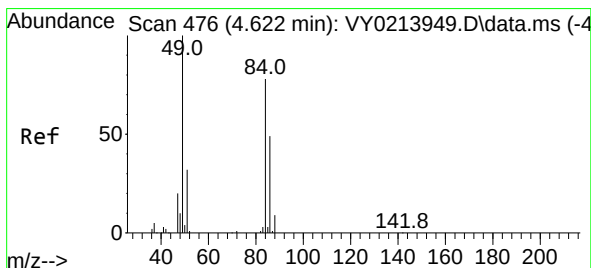
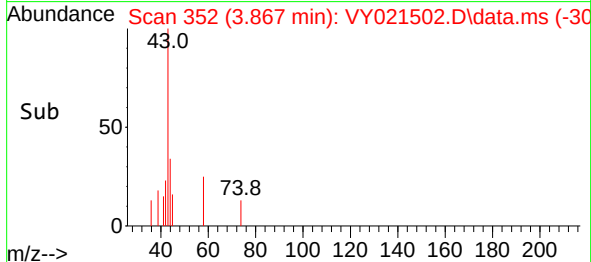
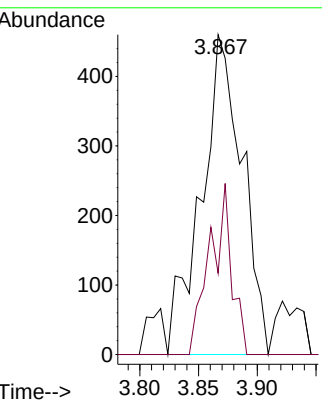
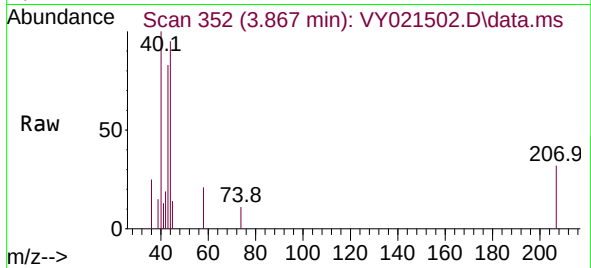




#16
Acetone
Concen: 1.732 ug/l
RT: 3.867 min Scan# 311
Delta R.T. -0.005 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

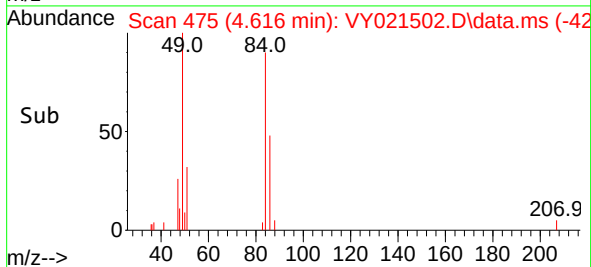
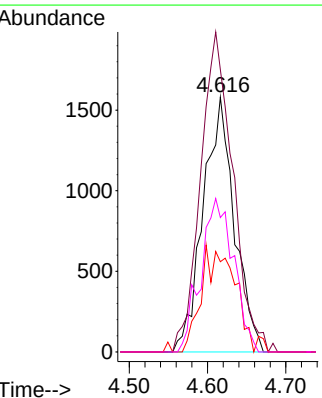
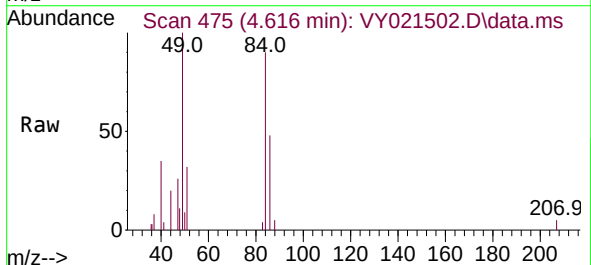
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

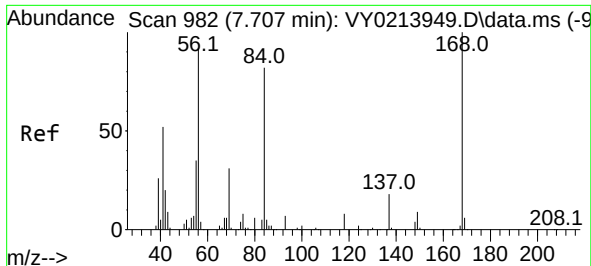
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
58 25.4 22.1 33.1



#20
Methylene Chloride
Concen: 1.294 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

Tgt Ion: 84 Resp: 4382
Ion Ratio Lower Upper
84 100
49 110.8 102.0 153.0
51 35.4 33.0 49.6
86 52.7 50.5 75.7

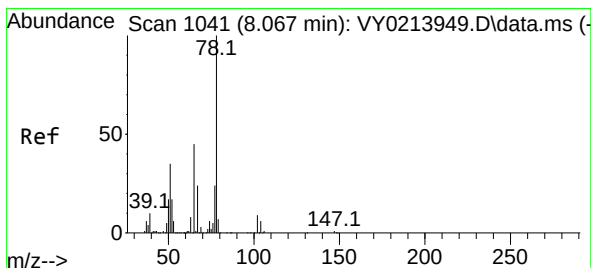
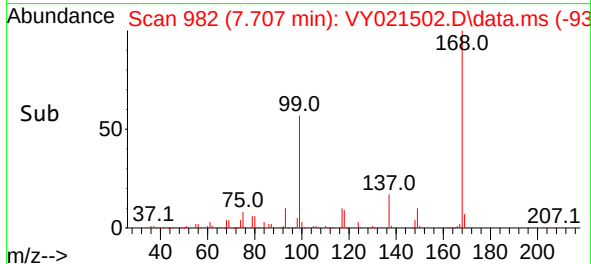
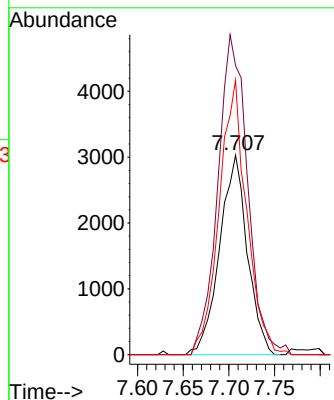
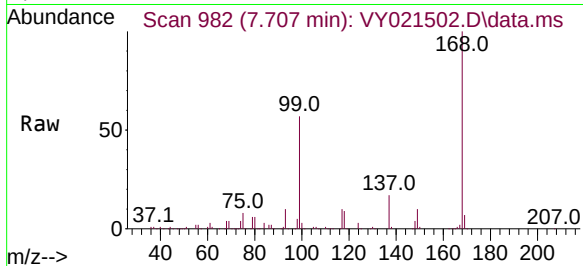




#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

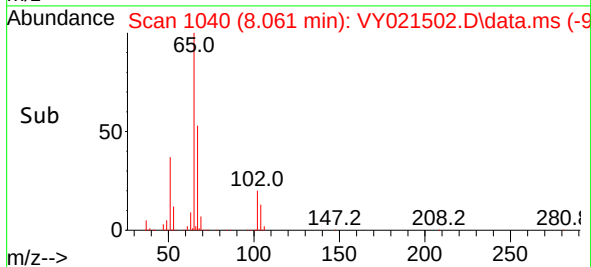
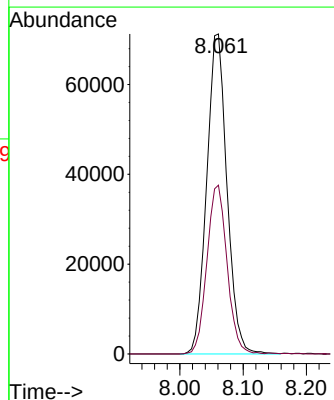
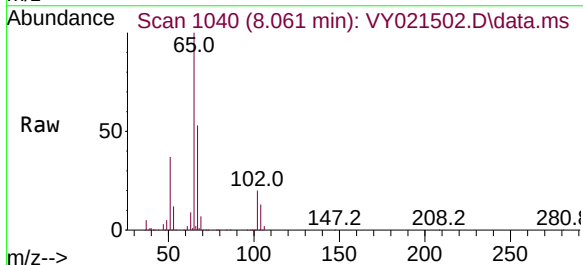
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

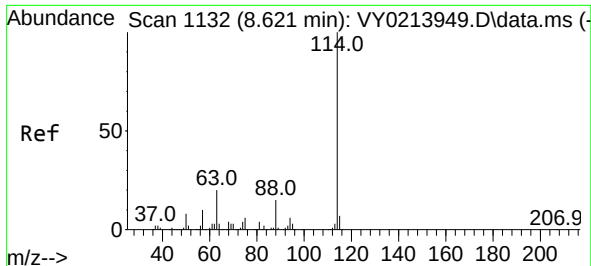
Tgt Ion: 56 Resp: 6398
Ion Ratio Lower Upper
56 100
69 144.9 27.0 40.4#
84 137.7 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.614 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

Tgt Ion: 65 Resp: 158571
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY021502.D

Acq: 12 Mar 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL01

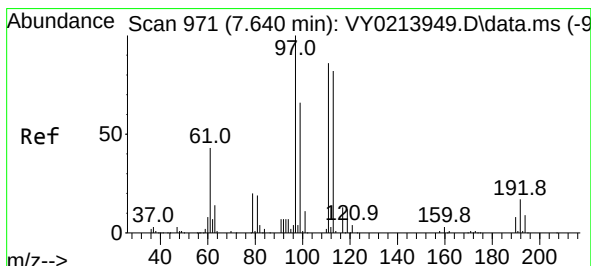
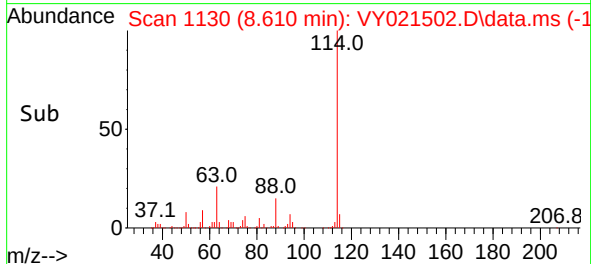
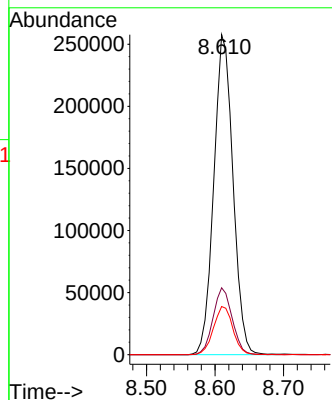
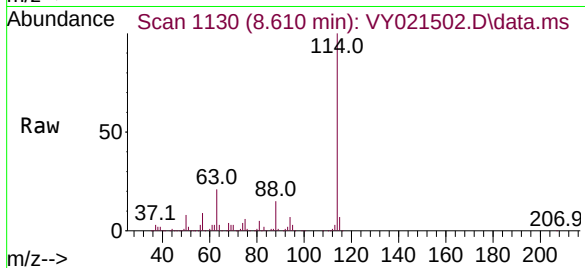
Tgt Ion:114 Resp: 501387

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 49.993 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021502.D

Acq: 12 Mar 2025 11:47

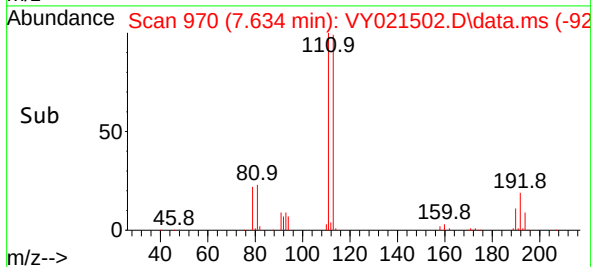
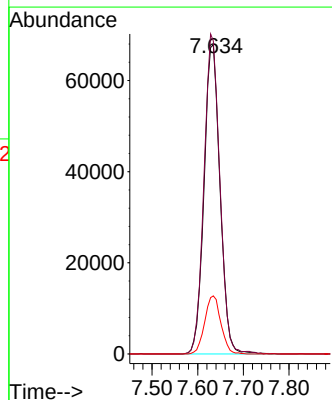
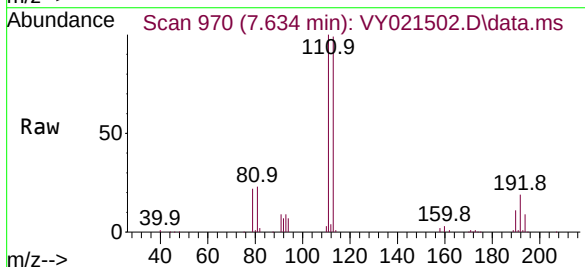
Tgt Ion:113 Resp: 164760

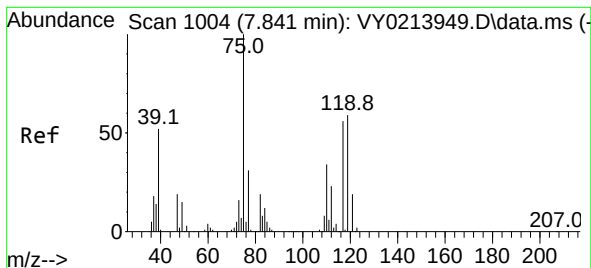
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.415 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021502.D

Acq: 12 Mar 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL01

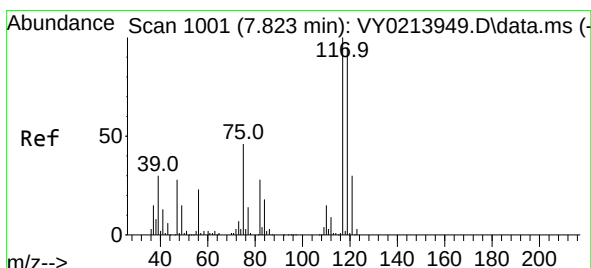
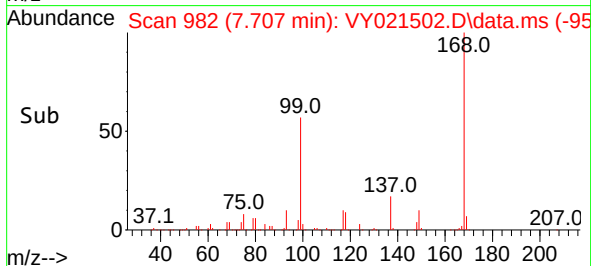
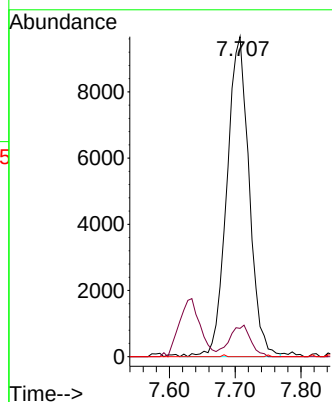
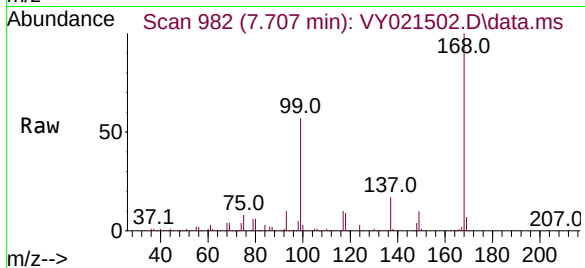
Tgt Ion: 75 Resp: 22774

Ion Ratio Lower Upper

75 100

110 9.4 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.934 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY021502.D

Acq: 12 Mar 2025 11:47

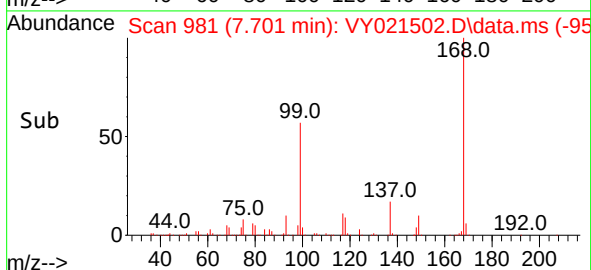
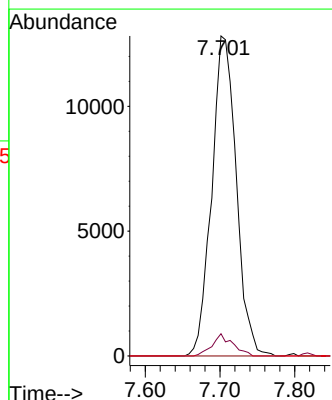
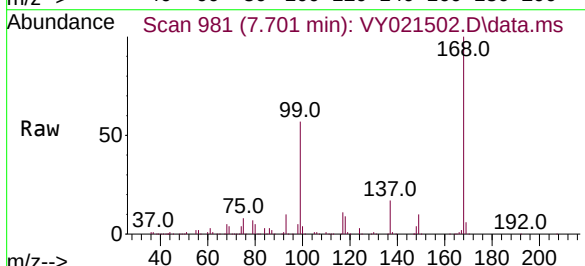
Tgt Ion: 117 Resp: 29272

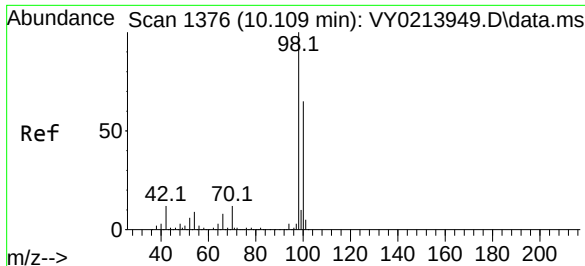
Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.8#

121 0.0 23.9 35.9#

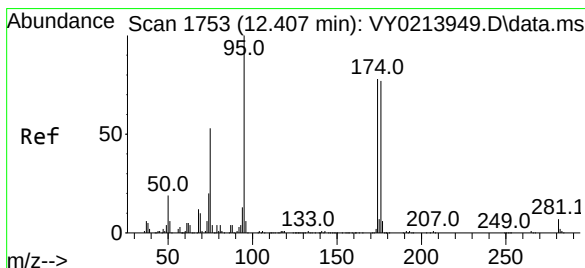
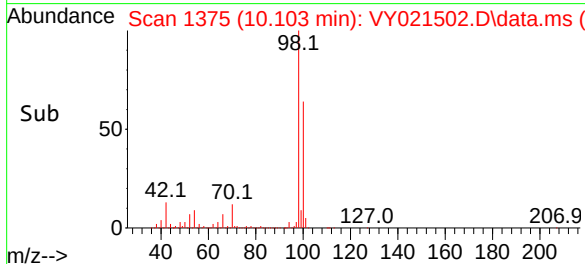
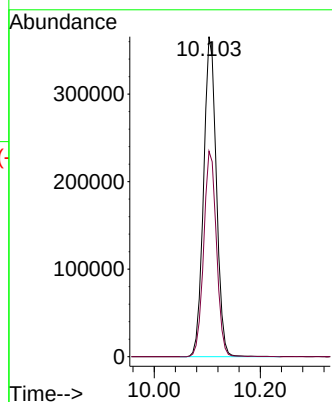
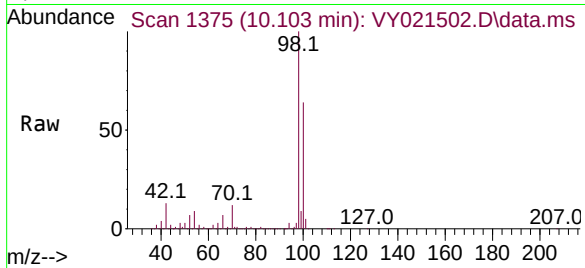




#50
Toluene-d8
Concen: 48.853 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

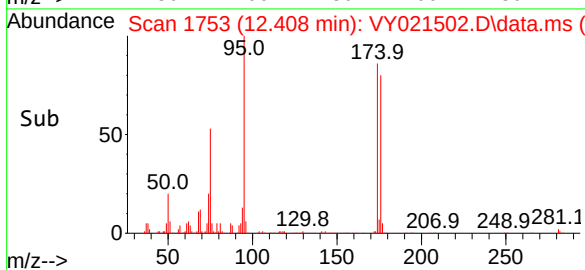
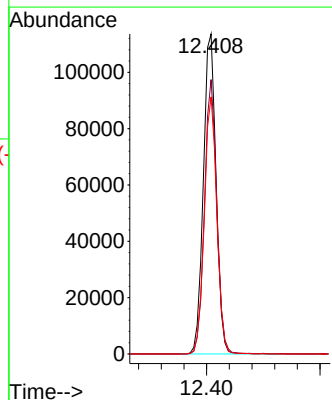
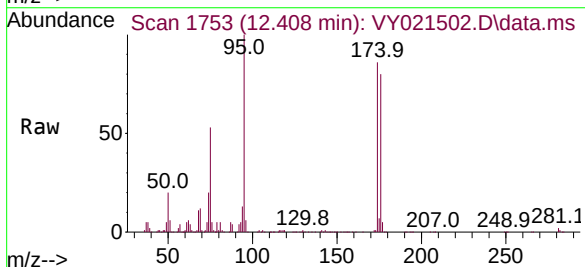
Instrument :
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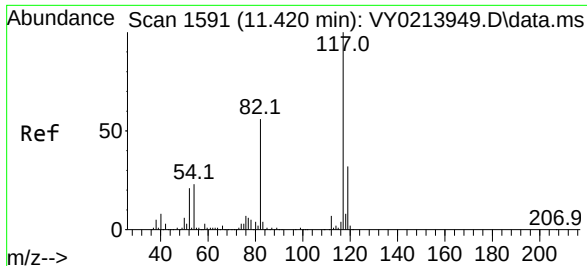
Tgt Ion: 98 Resp: 609608
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.609 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

Tgt Ion: 95 Resp: 176618
Ion Ratio Lower Upper
95 100
174 83.1 0.0 165.0
176 79.0 0.0 160.0

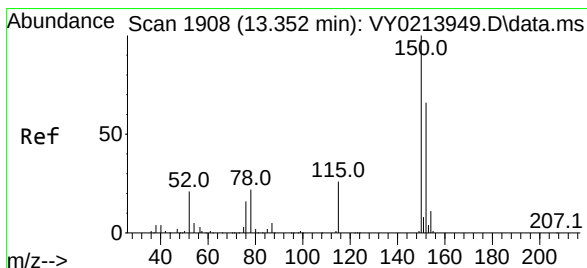
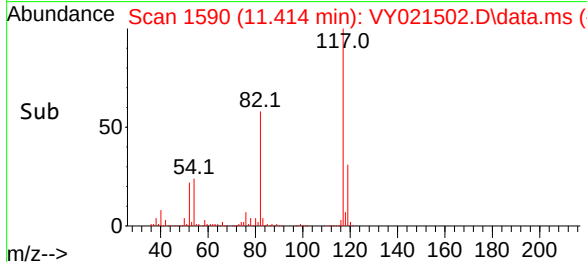
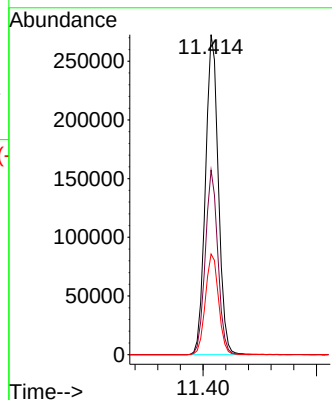
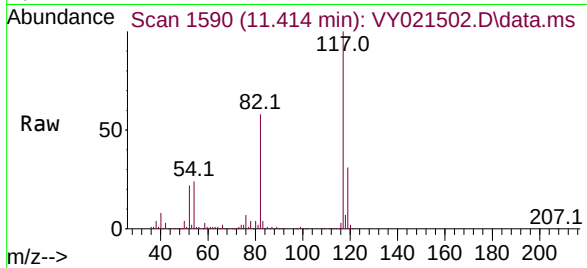




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

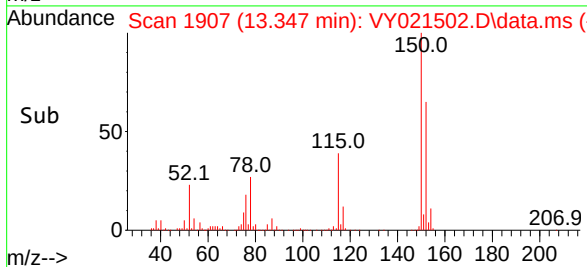
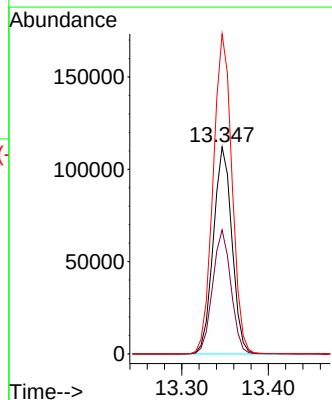
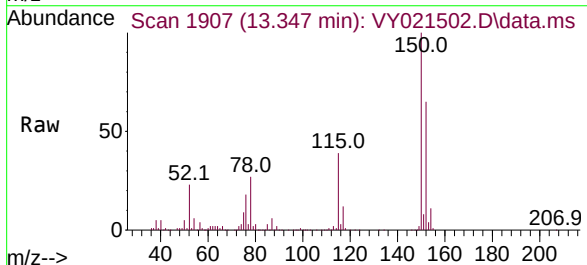
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

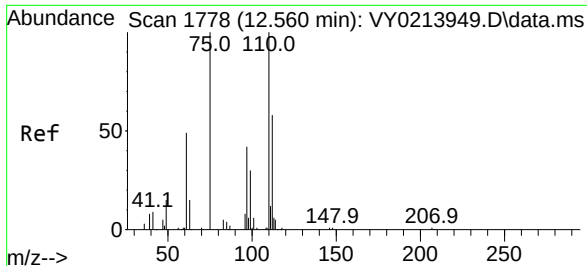
Tgt Ion:117 Resp: 431961
Ion Ratio Lower Upper
117 100
82 57.7 44.6 67.0
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

Tgt Ion:152 Resp: 167294
Ion Ratio Lower Upper
152 100
115 59.1 29.0 87.0
150 156.8 0.0 347.2

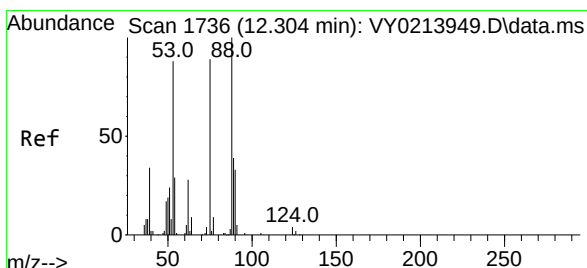
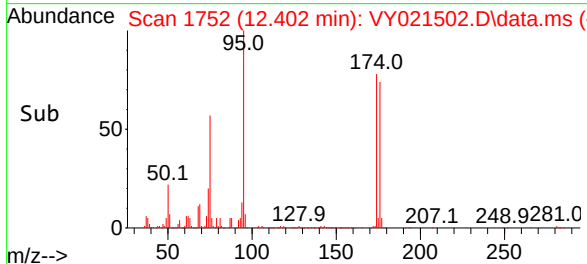
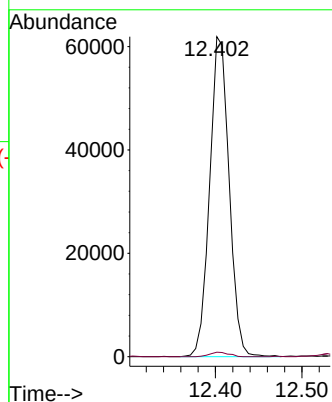
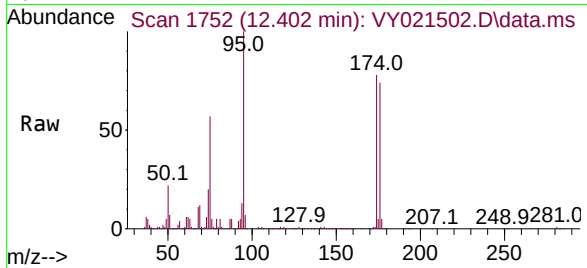




#76
1,2,3-Trichloropropane
Concen: 57.371 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

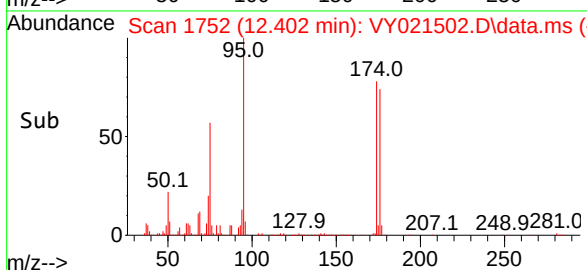
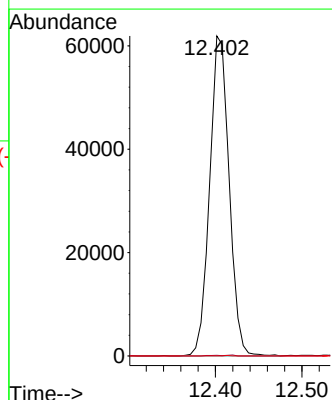
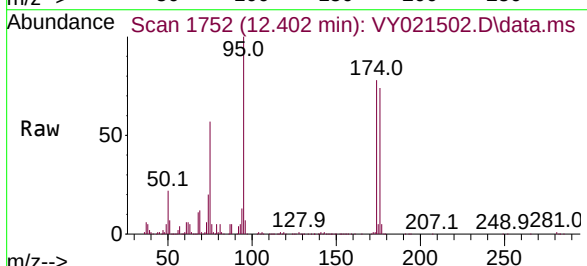
Instrument :
MSVOA_Y
ClientSampleId :
VY0312SBL01

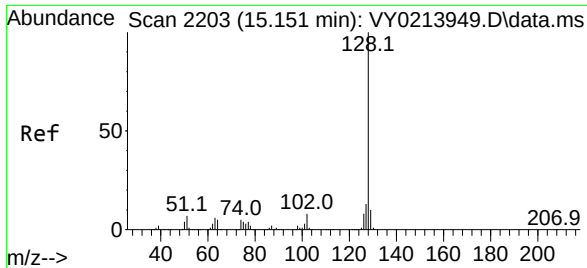
Tgt Ion: 75 Resp: 96715
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.421 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021502.D
Acq: 12 Mar 2025 11:47

Tgt Ion: 75 Resp: 96715
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.4#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 2.186 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021502.D

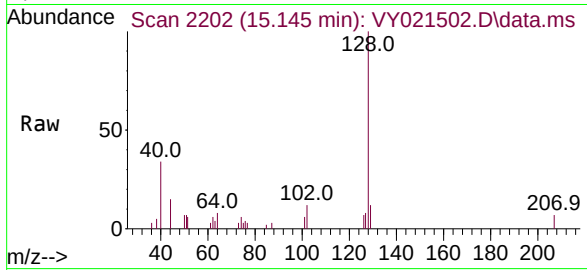
Acq: 12 Mar 2025 11:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0312SBL01



Tgt Ion:128 Resp: 3344

Ion Ratio Lower Upper

128 100

127 9.5 10.6 15.8#

129 11.4 8.6 13.0

