

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021437.D
 Acq On : 06 Mar 2025 16:12
 Operator : SY/MD
 Sample : Q1488-05
 Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB01

Quant Time: Mar 07 00:41:06 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	245112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	408673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	161699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165897	64.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.080%
35) Dibromofluoromethane	7.634	113	156243	52.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.460%
50) Toluene-d8	10.103	98	552261	49.224	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.408	95	176528	46.256	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.520%

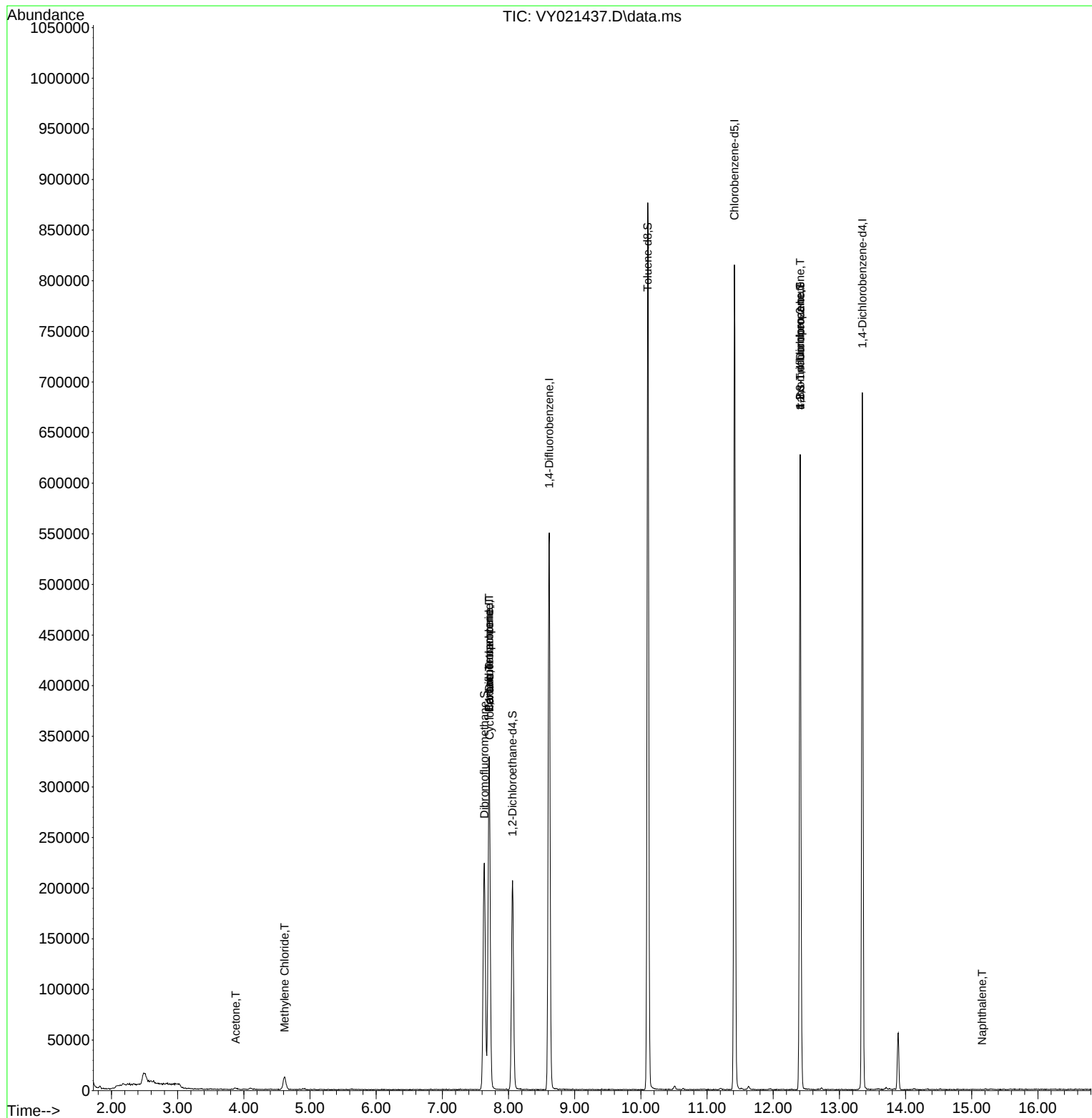
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.879	59	165	Below Cal	#	72
16) Acetone	3.879	43	2365	4.185	ug/l #	83
20) Methylene Chloride	4.616	84	8381	2.826	ug/l	93
31) Cyclohexane	7.713	56	5697	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21409	4.616	ug/l #	49
38) Carbon Tetrachloride	7.707	117	24964	4.680	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	95388	58.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	95388	133.083	ug/l #	9
95) Naphthalene	15.157	128	91	1.469	ug/l #	69

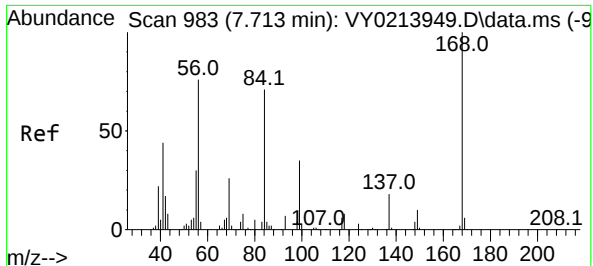
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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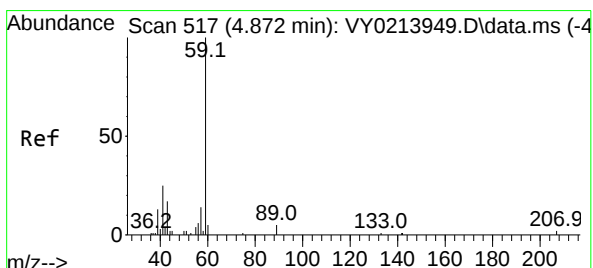
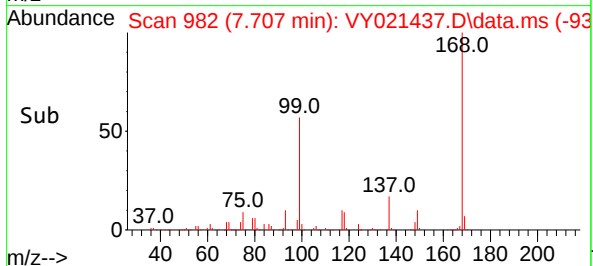
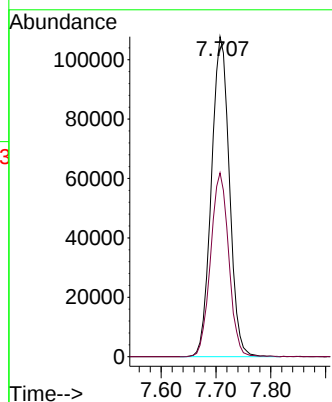
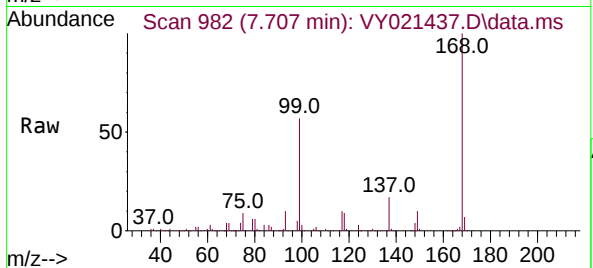




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

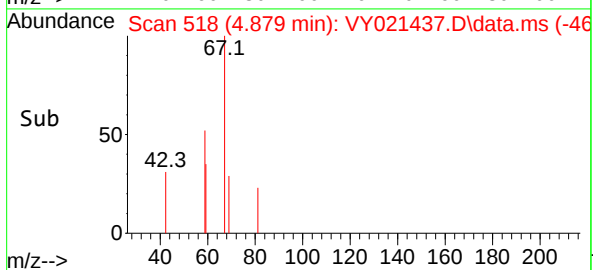
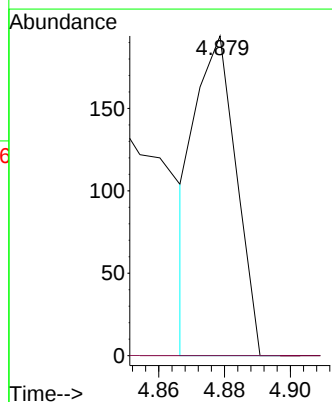
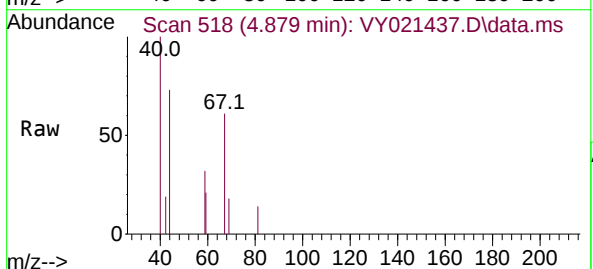
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MSVOA_Y
ClientSampleId :
ENV-102-SB01

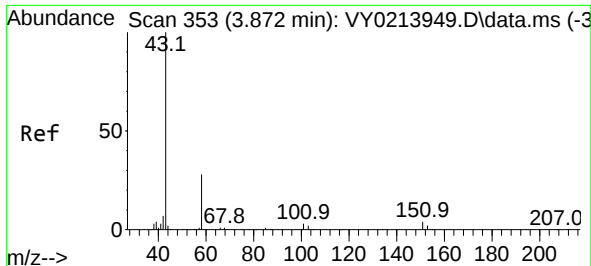
Tgt Ion:168 Resp: 245112
Ion Ratio Lower Upper
168 100
99 57.4 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.879 min Scan# 518
Delta R.T. 0.007 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

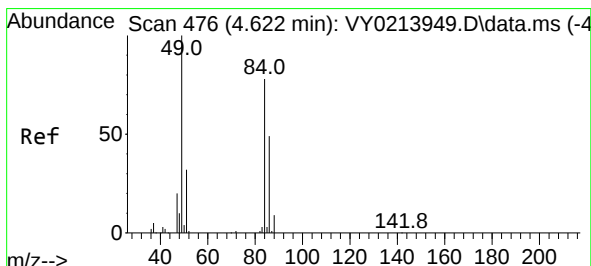
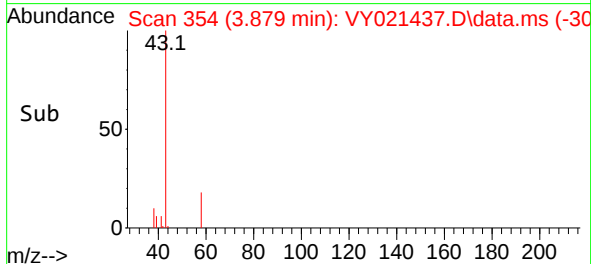
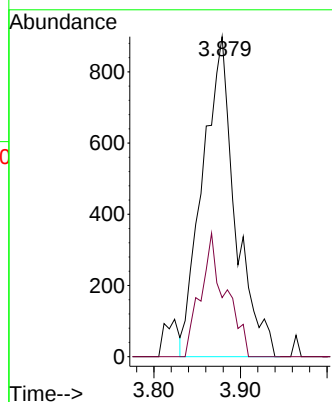
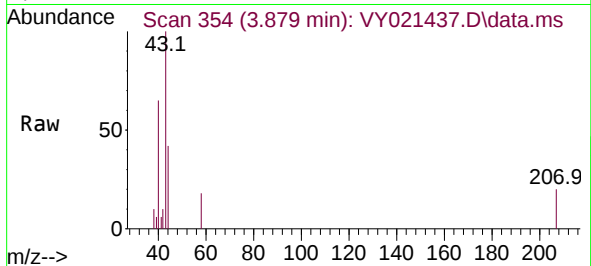




#16
Acetone
Concen: 4.185 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

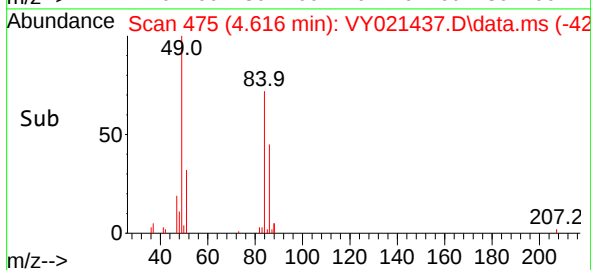
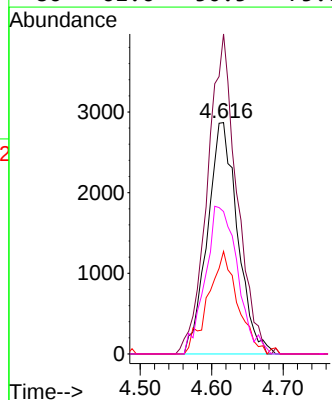
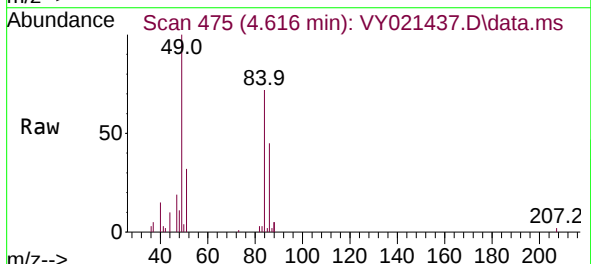
Instrument :
MSVOA_Y
ClientSampleId :
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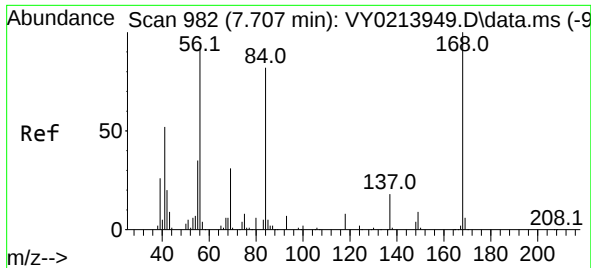
Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
58 18.5 22.1 33.1#



#20
Methylene Chloride
Concen: 2.826 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 84 Resp: 8381
Ion Ratio Lower Upper
84 100
49 138.3 102.0 153.0
51 44.4 33.0 49.6
86 61.6 50.5 75.7

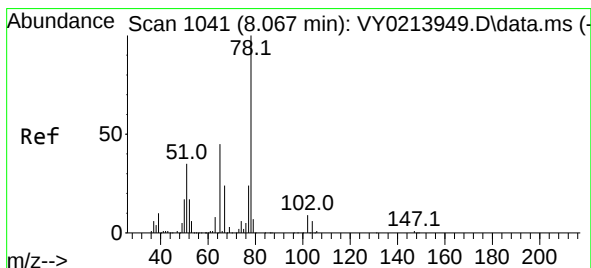
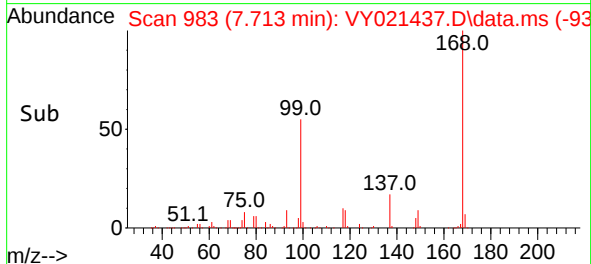
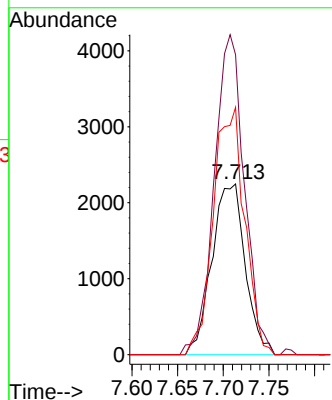
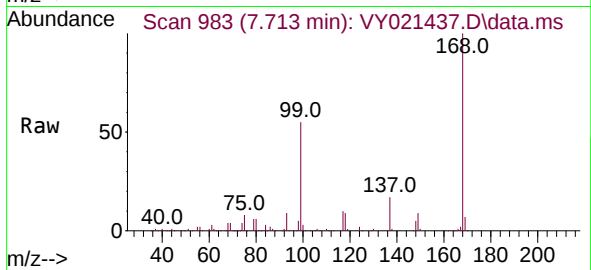




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

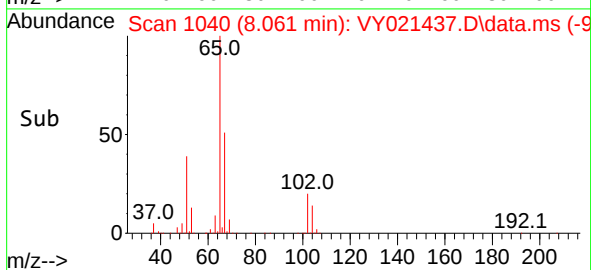
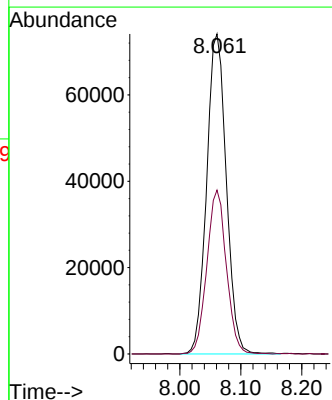
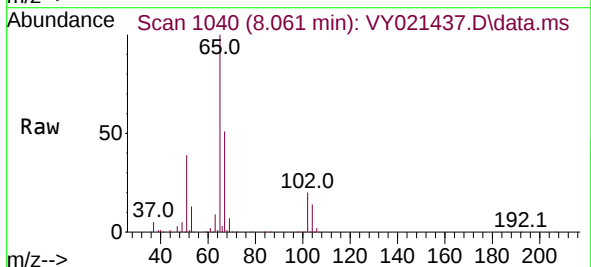
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

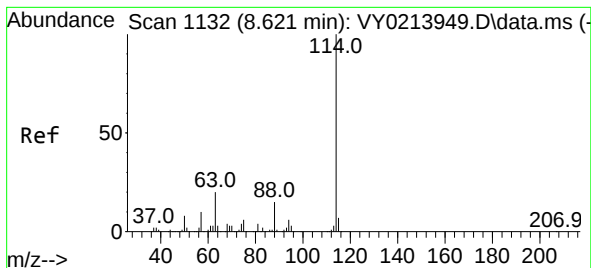
Tgt Ion: 56 Resp: 5697
Ion Ratio Lower Upper
56 100
69 175.7 27.0 40.4#
84 154.3 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 64.036 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 65 Resp: 165897
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

ENV-102-SB01

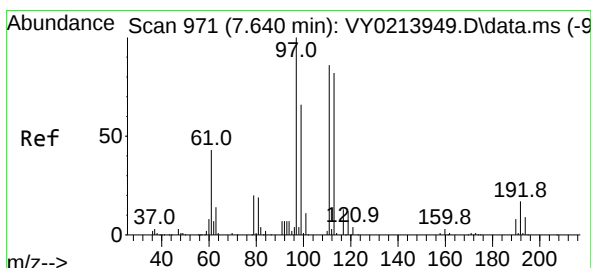
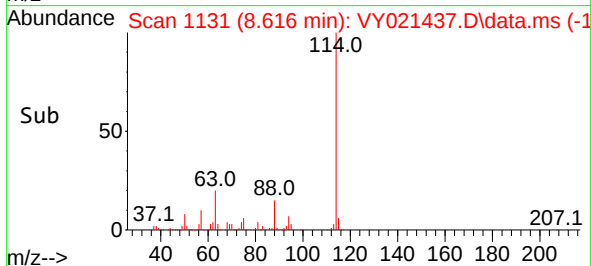
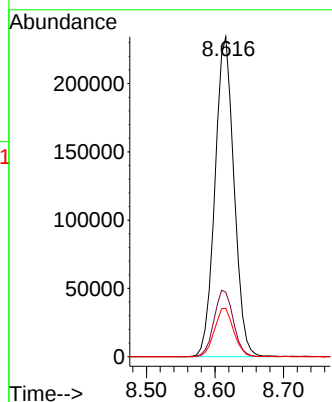
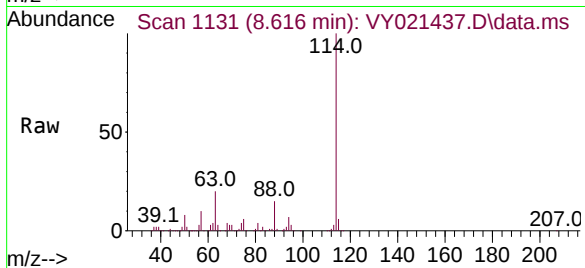
Tgt Ion:114 Resp: 450789

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.730 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

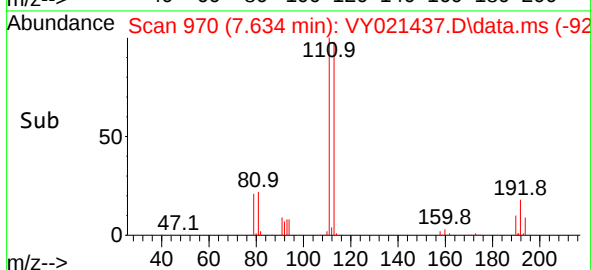
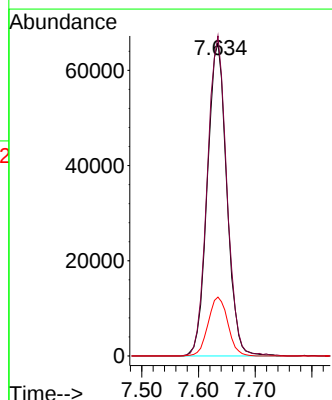
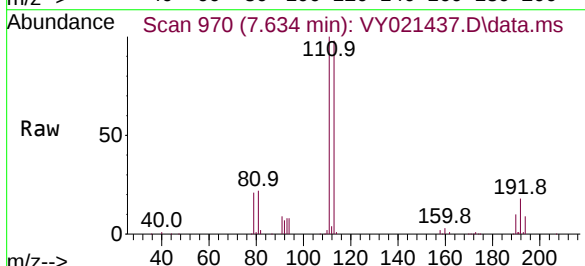
Tgt Ion:113 Resp: 156243

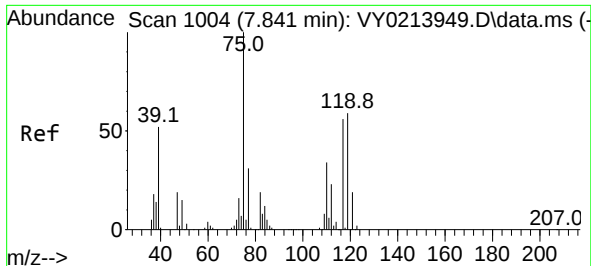
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 19.1 15.9 23.9

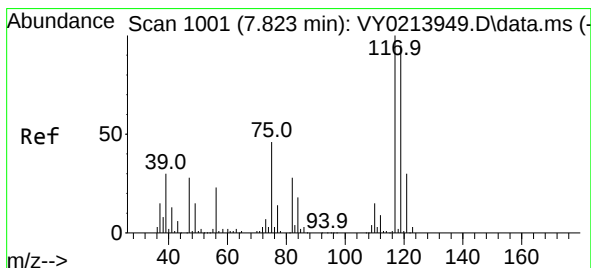
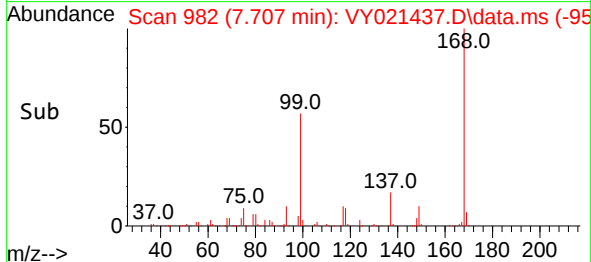
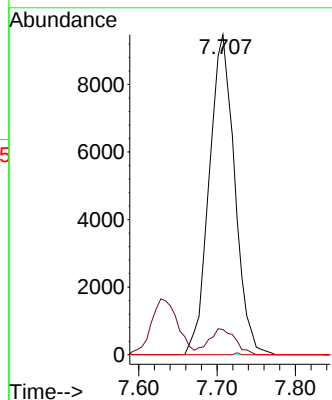
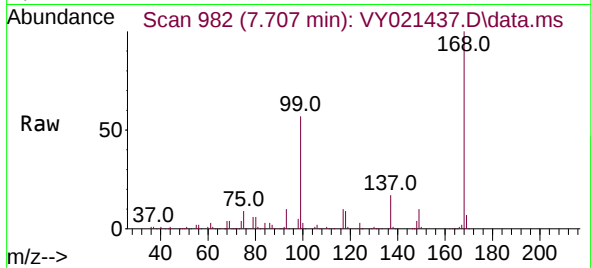




#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

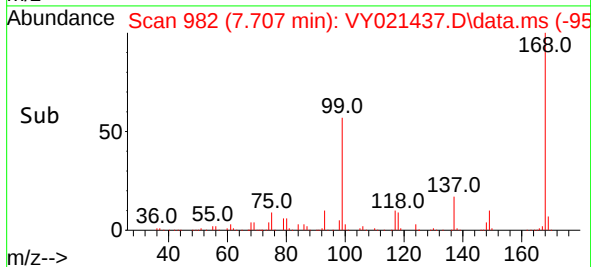
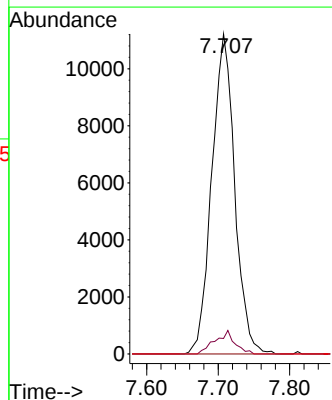
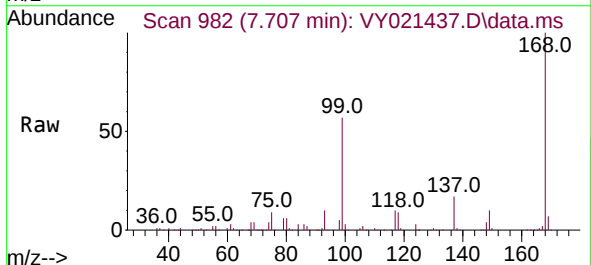
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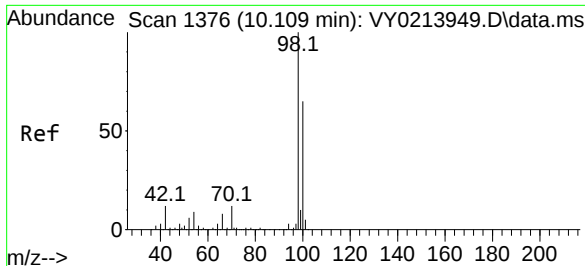
Tgt Ion: 75 Resp: 21409
Ion Ratio Lower Upper
75 100
110 8.4 17.3 51.7#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.680 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 117 Resp: 24964
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 23.9 35.9#

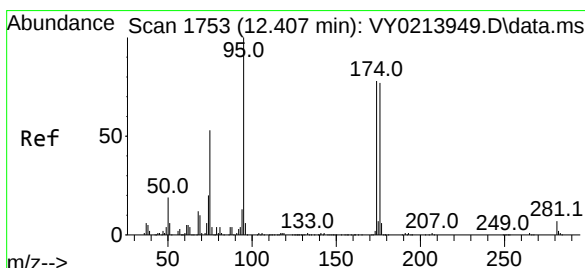
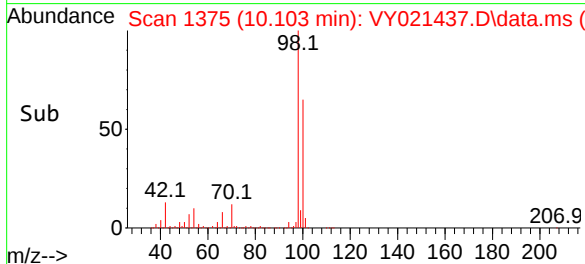
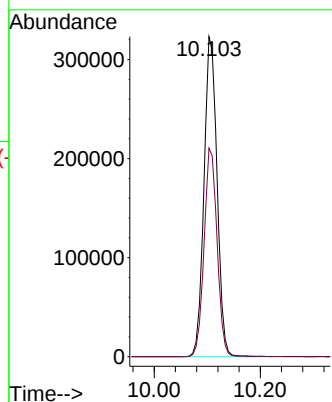
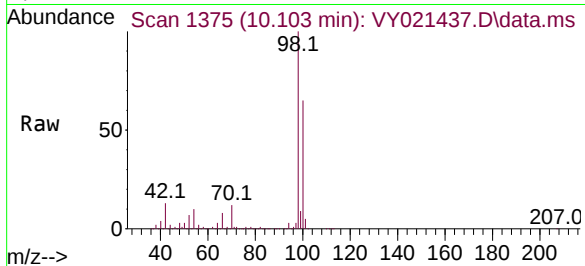




#50
Toluene-d8
Concen: 49.224 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

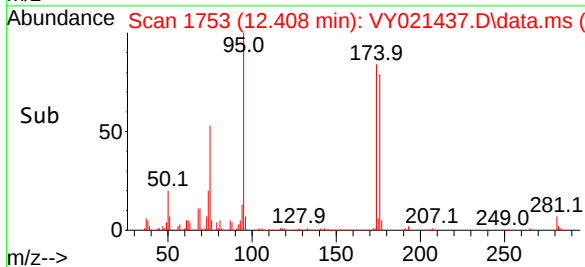
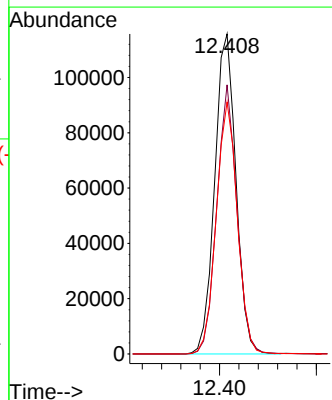
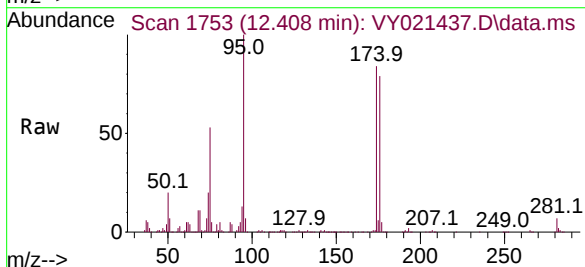
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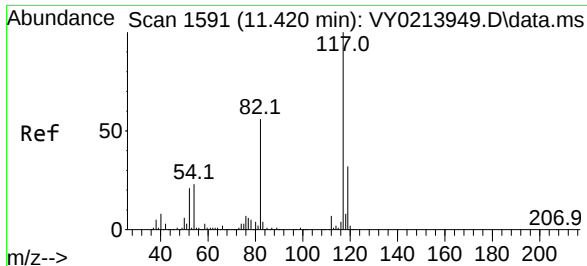
Tgt Ion: 98 Resp: 552261
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.256 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 95 Resp: 176528
Ion Ratio Lower Upper
95 100
174 79.6 0.0 165.0
176 78.3 0.0 160.0

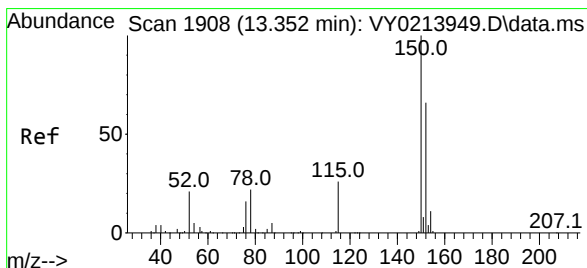
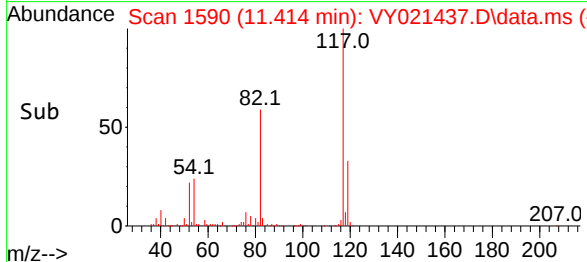
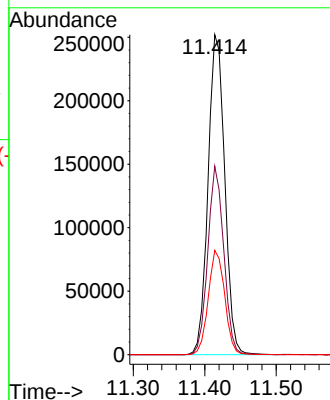
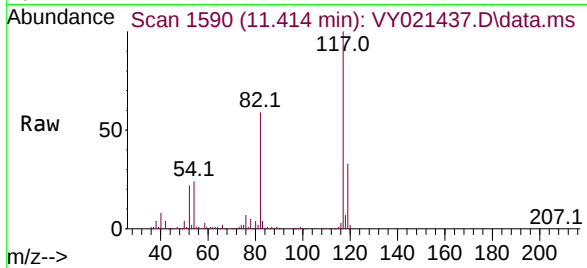




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

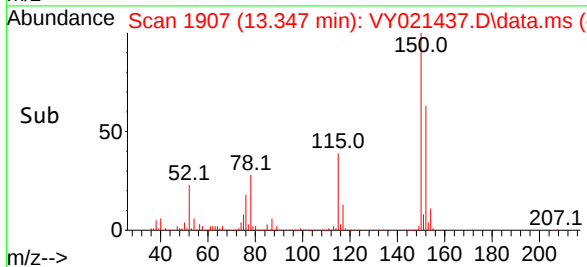
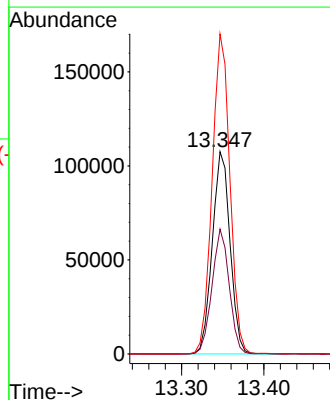
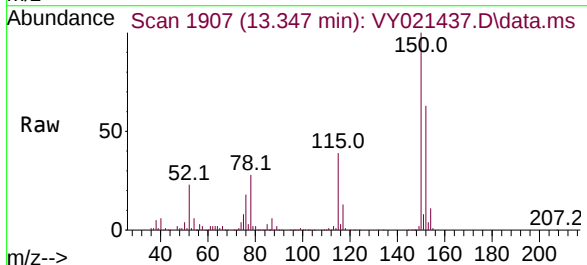
Instrument :
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ENV-102-SB01

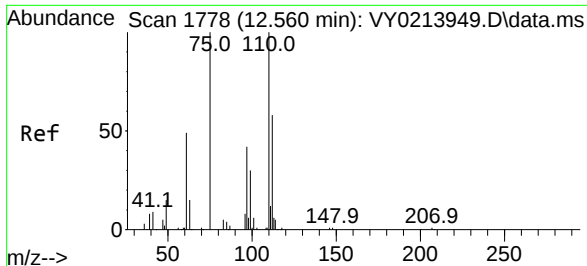
Tgt Ion:117 Resp: 408673
Ion Ratio Lower Upper
117 100
82 58.9 44.6 67.0
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion:152 Resp: 161699
Ion Ratio Lower Upper
152 100
115 59.8 29.0 87.0
150 157.6 0.0 347.2

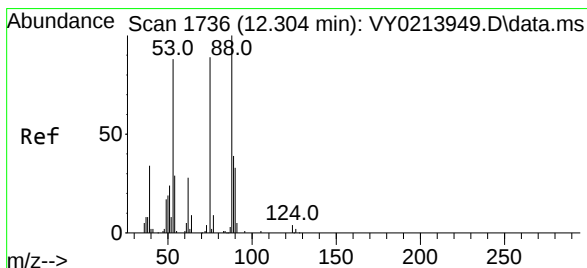
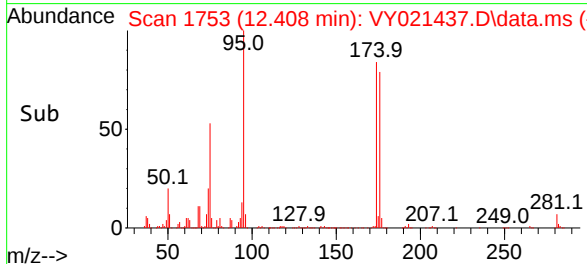
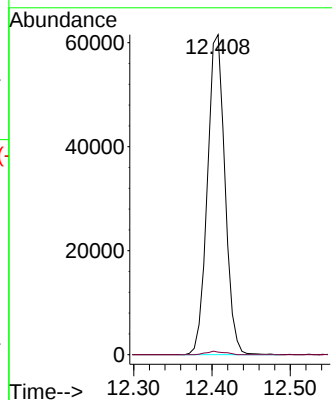
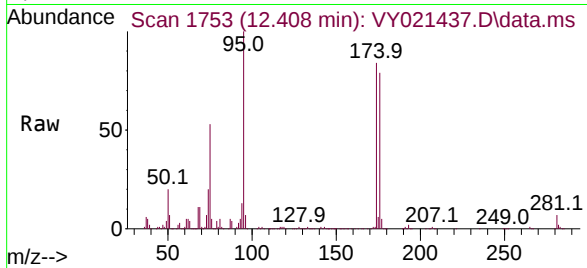




#76
1,2,3-Trichloropropane
Concen: 58.541 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

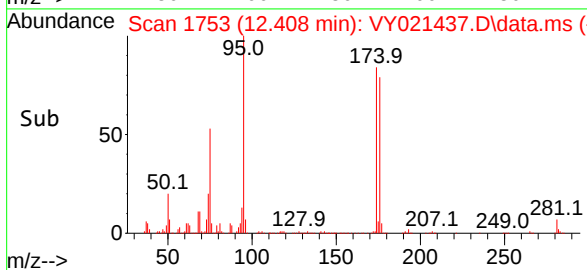
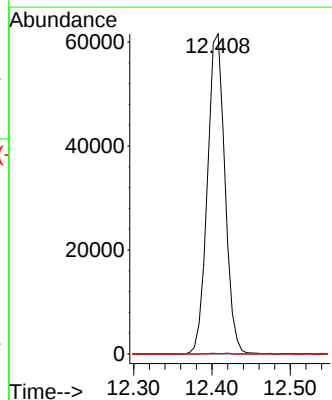
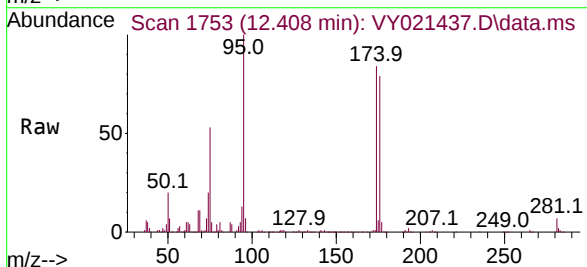
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

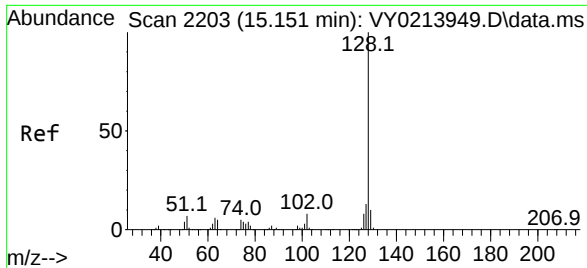
Tgt Ion: 75 Resp: 95388
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.083 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 75 Resp: 95388
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.1 36.9 55.3#





#95
 Naphthalene
 Concen: 1.469 ug/l
 RT: 15.157 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY021437.D
 Acq: 06 Mar 2025 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB01

Tgt Ion:128	Resp:	91
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 13.0#

