

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022179.D
 Acq On : 06 May 2025 13:26
 Operator : SY/MD
 Sample : Q1964-03
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-LL-VOC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/07/2025
 Supervised By :Semsettin Yesilyurt 05/07/2025

Quant Time: May 07 04:35:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	207662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	411907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	379446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117452	61.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.460%			
35) Dibromofluoromethane	7.634	113	143206	52.625	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.240%			
50) Toluene-d8	10.109	98	512009	49.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.408	95	142440	41.243	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.480%			
Target Compounds					Qvalue	
25) 2-Butanone	6.921	43	2218m	5.073	ug/l	

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

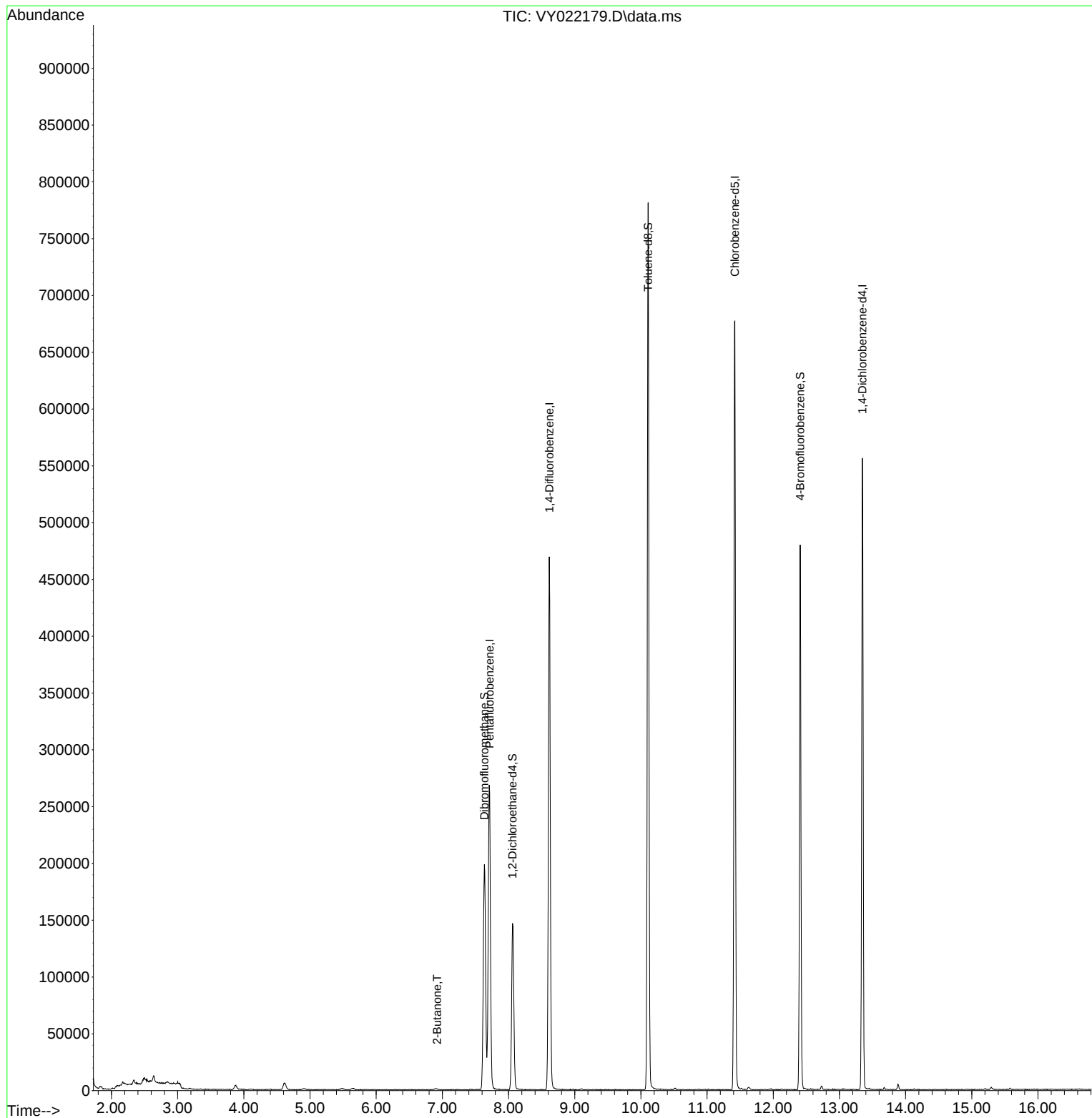
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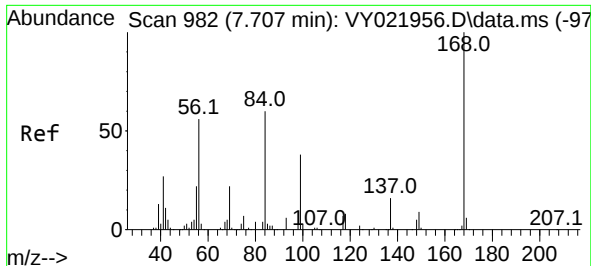
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC

Quant Time: May 07 04:35:07 2025
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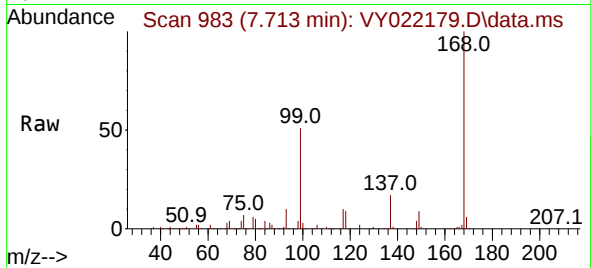
Reviewed By :Mahesh Dadoda 05/07/2025
Supervised By :Semsettin Yesilyurt 05/07/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

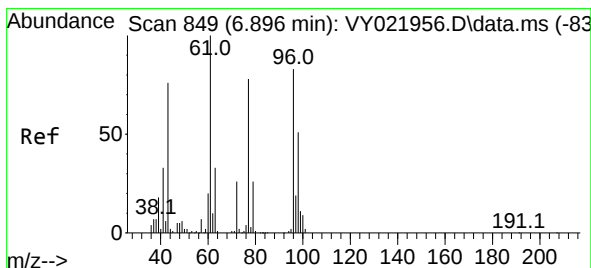
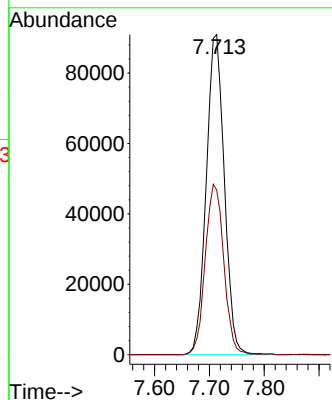
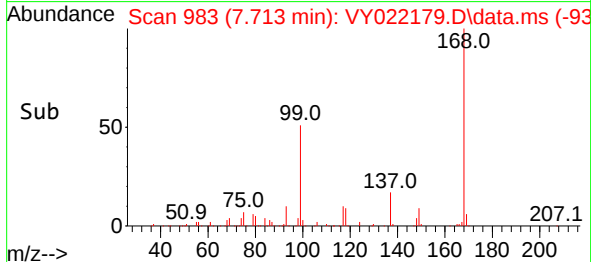
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC



Tgt Ion:168 Resp: 207662
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7

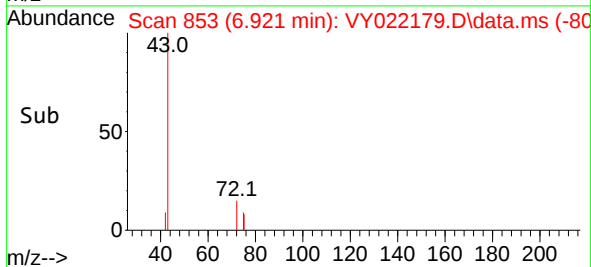
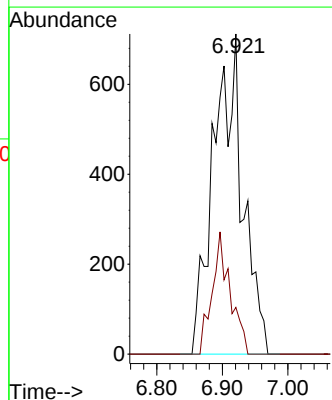
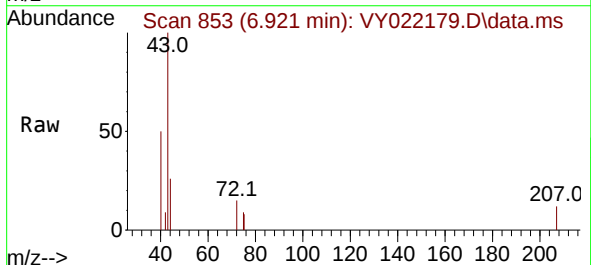
Manual Integrations
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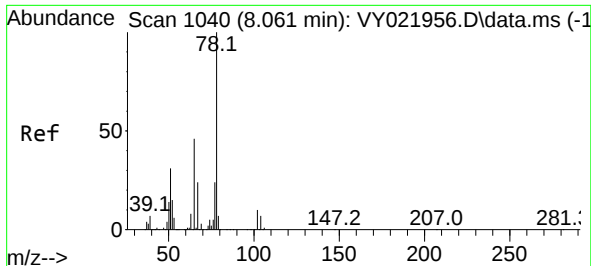
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Supervised By :Semsettin Yesilyurt 05/07/2025



#25
2-Butanone
Concen: 5.073 ug/l m
RT: 6.921 min Scan# 853
Delta R.T. 0.024 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
72 14.6 27.0 40.4#





#33

1,2-Dichloroethane-d4

Concen: 61.232 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022179.D

Acq: 06 May 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

MH-LL-VOC

Tgt Ion: 65 Resp: 117452

Ion Ratio Lower Upper

65 100

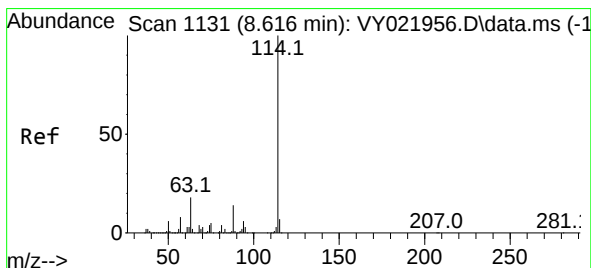
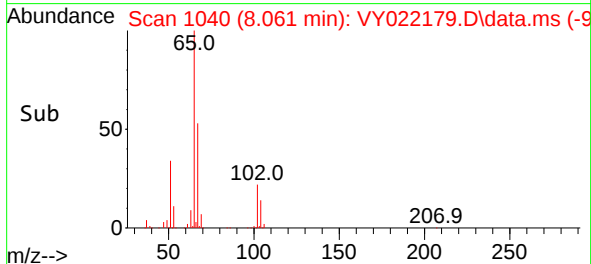
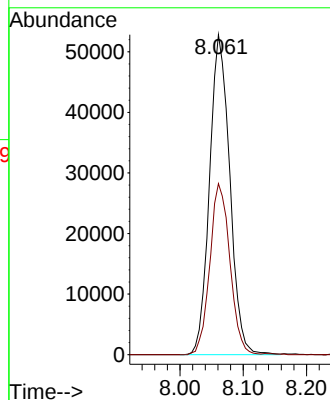
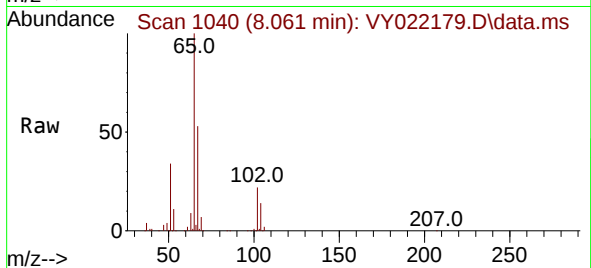
67 52.9 0.0 105.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022179.D

Acq: 06 May 2025 13:26

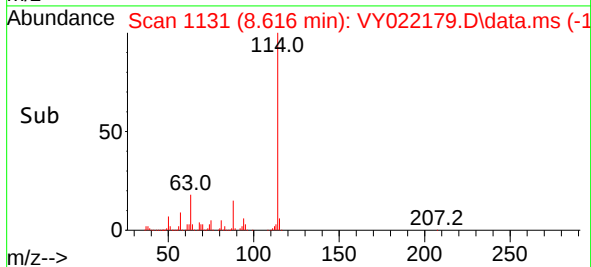
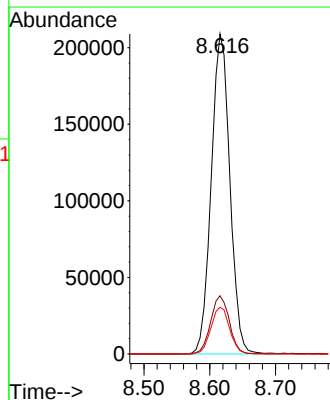
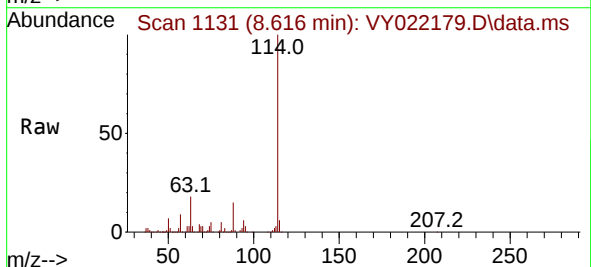
Tgt Ion:114 Resp: 411907

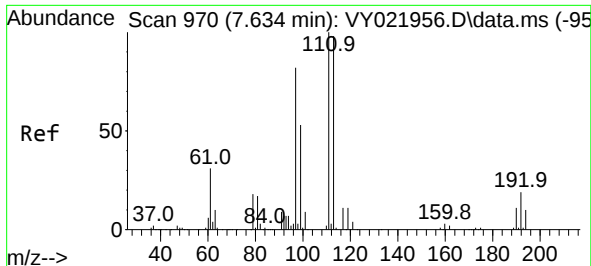
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

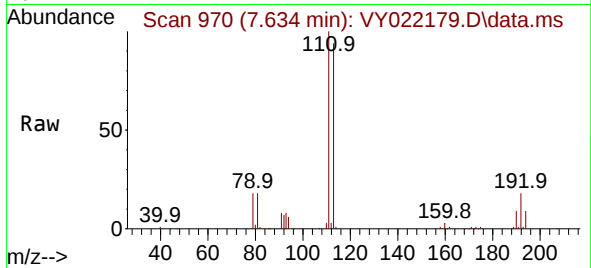
88 14.6 0.0 28.2





#35
Dibromofluoromethane
Concen: 52.625 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

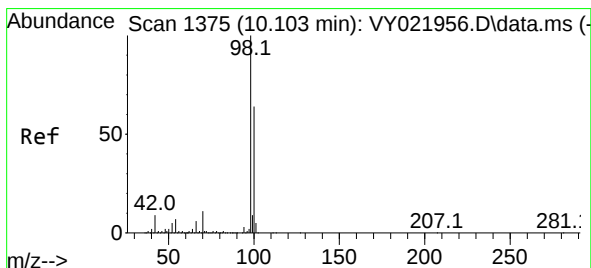
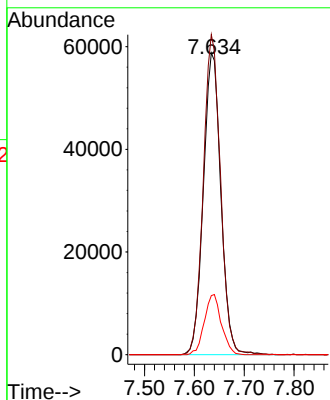
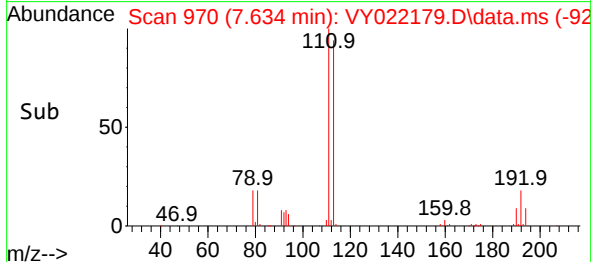
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC



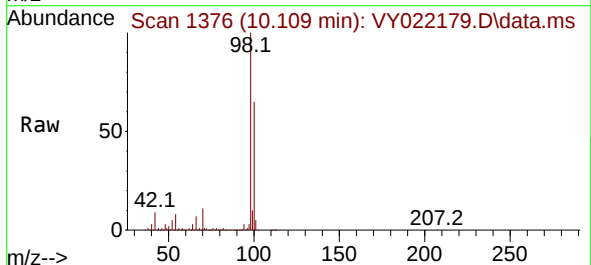
Tgt Ion:113 Resp: 143200
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 19.4 15.6 23.4

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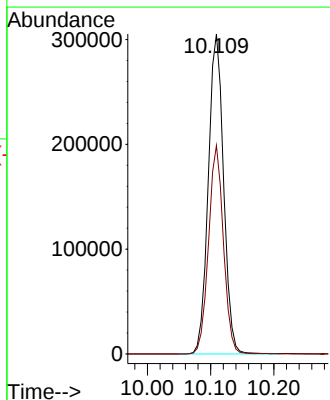
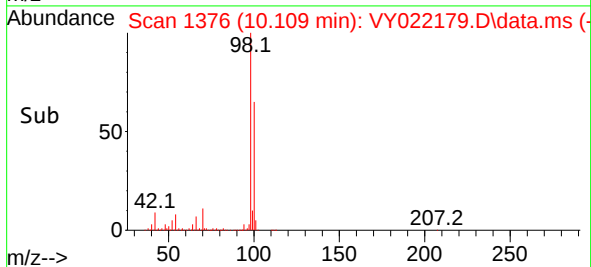
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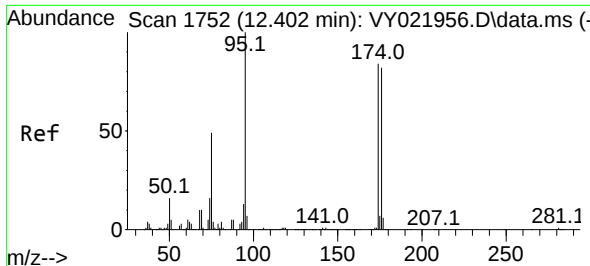


#50
Toluene-d8
Concen: 49.907 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26



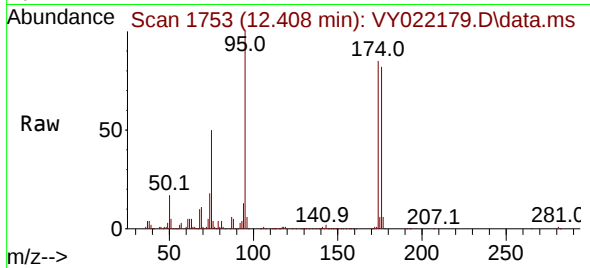
Tgt Ion: 98 Resp: 512009
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4





#62
4-Bromofluorobenzene
Concen: 41.243 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

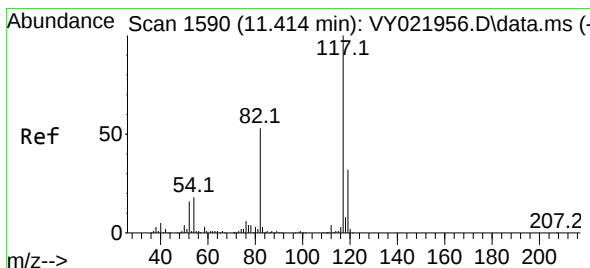
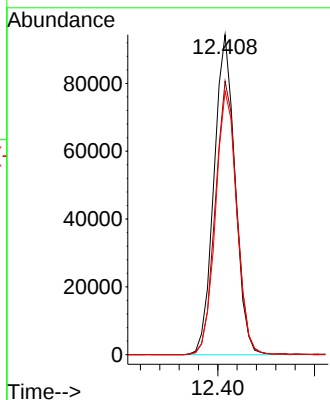
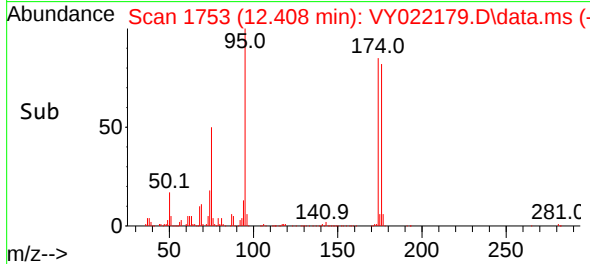
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC



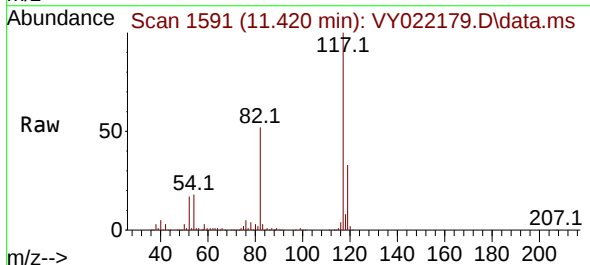
Tgt Ion: 95 Resp: 142440
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 83.5 0.0 171.8

Manual Integrations
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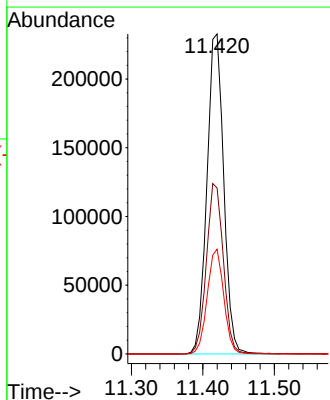
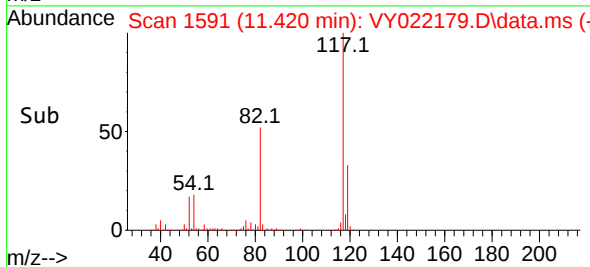
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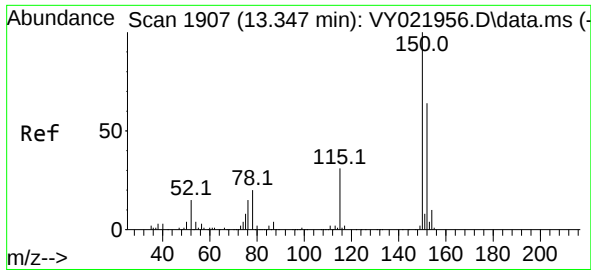


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26



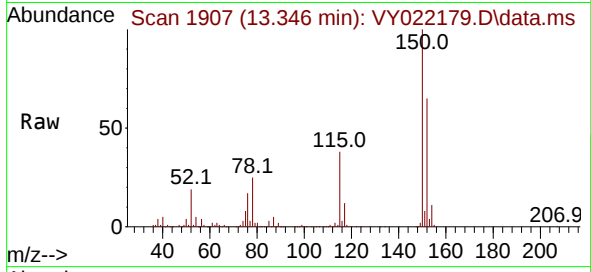
Tgt Ion:117 Resp: 379446
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 32.8 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022179.D
 Acq: 06 May 2025 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-LL-VOC



Tgt Ion:	152	Resp:	14322
Ion Ratio	Lower	Upper	
152	100		
115	56.5	28.0	84.0
150	155.9	0.0	345.6

Manual Integrations
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