

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039185.D
 Acq On : 25 Sep 2025 16:40
 Operator : SY/MD
 Sample : Q3172-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB3W

Quant Time: Sep 26 01:32:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	368346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	653076	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	662159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	325221	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	293708	55.094	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	110.180%
35) Dibromofluoromethane	4.503	113	266204	50.704	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	101.400%
50) Toluene-d8	7.239	98	716173	46.445	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	92.880%
62) 4-Bromofluorobenzene	10.001	95	297465	46.860	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	93.720%

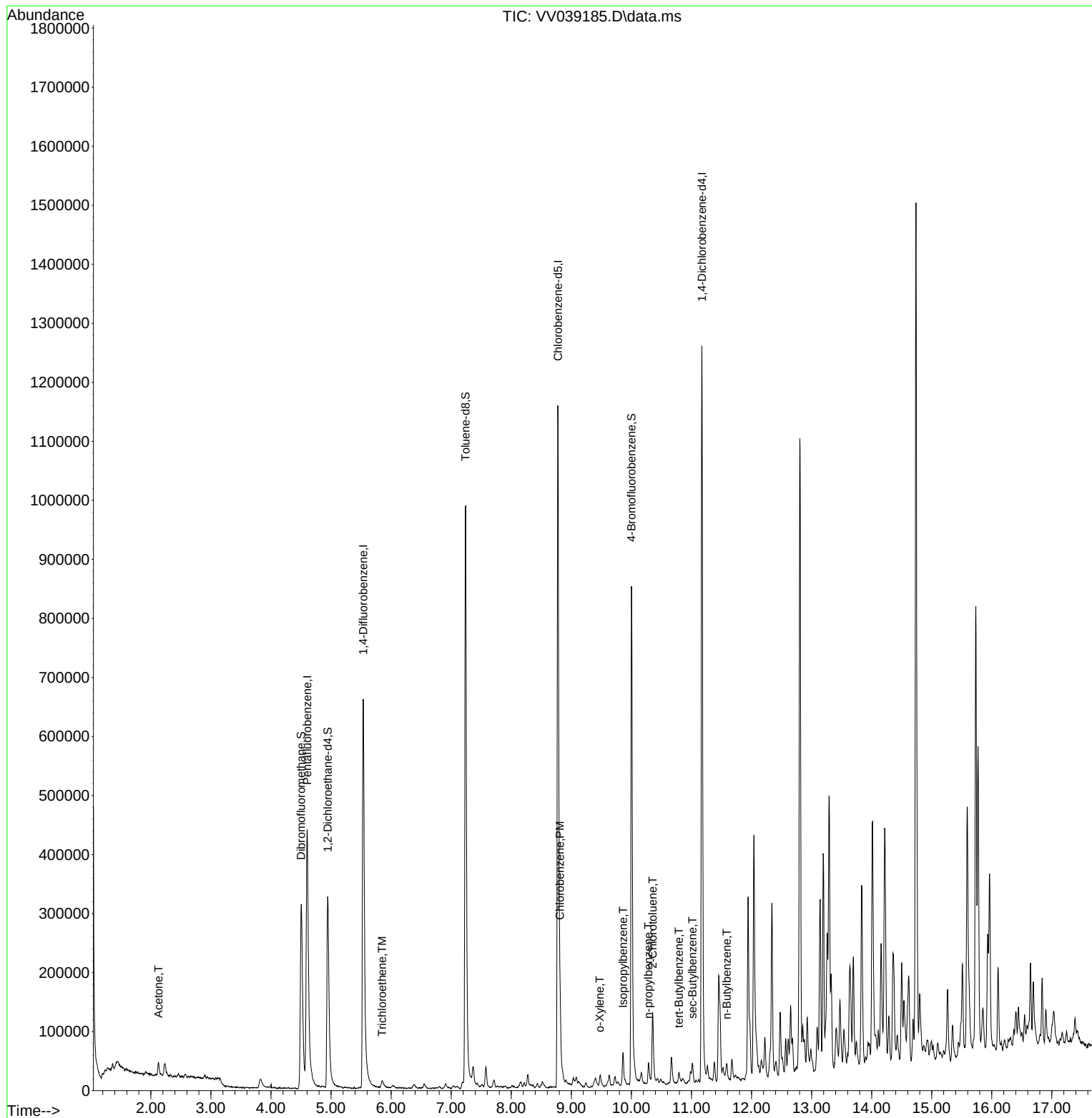
Target Compounds						Qvalue
16) Acetone	2.127	43	25840	3.116	ug/l	99
44) Trichloroethene	5.850	130	5474	0.918	ug/l	88
65) Chlorobenzene	8.808	112	87136	4.724	ug/l	100
69) o-Xylene	9.474	106	5011	0.525	ug/l	89
73) Isopropylbenzene	9.860	105	36396	1.543	ug/l	99
78) n-propylbenzene	10.284	91	29586	1.030	ug/l	99
79) 2-Chlorotoluene	10.352	91	70132	4.080	ug/l	100
83) tert-Butylbenzene	10.792	119	8040	0.411	ug/l	85
85) sec-Butylbenzene	11.014	105	17900	0.690	ug/l	97
89) n-Butylbenzene	11.586	91	13827	0.671	ug/l	95

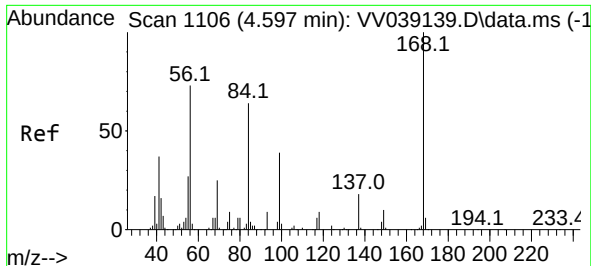
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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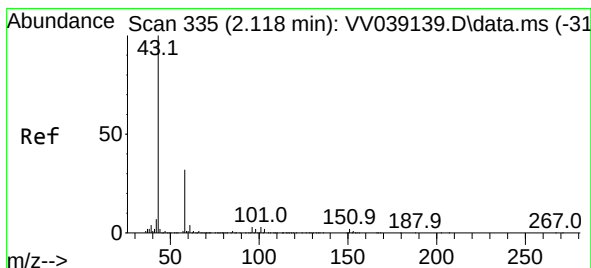
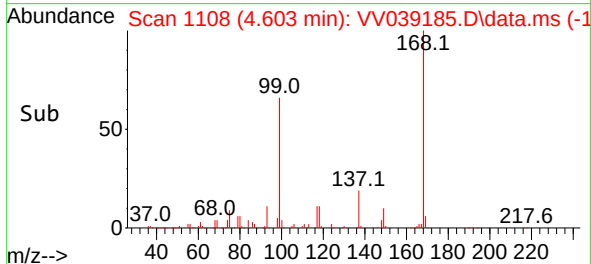
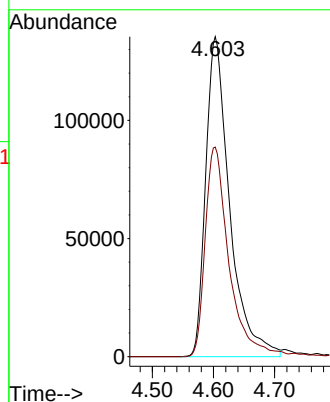
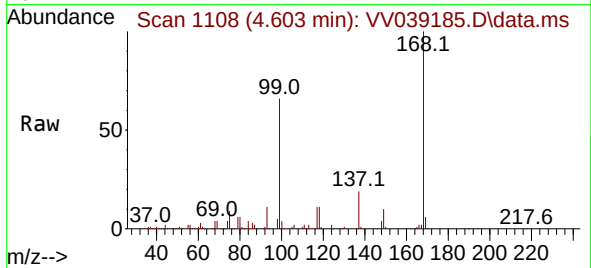




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

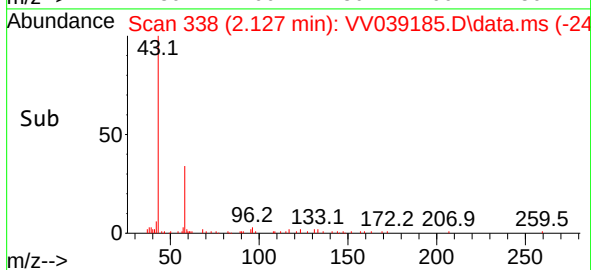
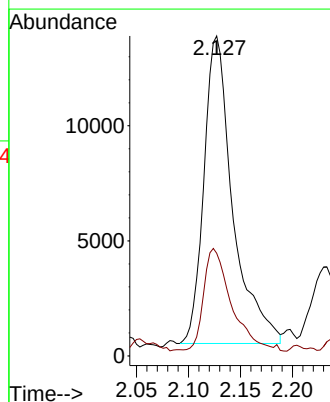
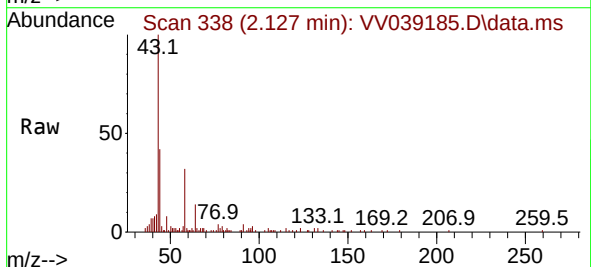
Instrument :
MSVOA_V
ClientSampleId :
GB3W

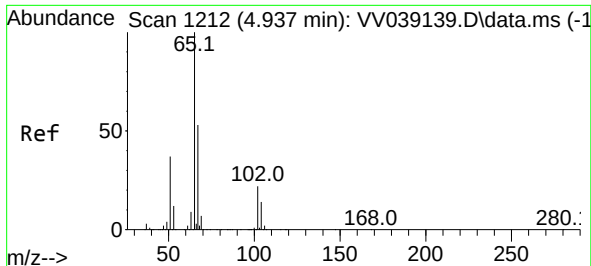
Tgt Ion:168 Resp: 368346
Ion Ratio Lower Upper
168 100
99 65.5 49.6 74.4



#16
Acetone
Concen: 3.116 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 43 Resp: 25840
Ion Ratio Lower Upper
43 100
58 31.6 25.8 38.6

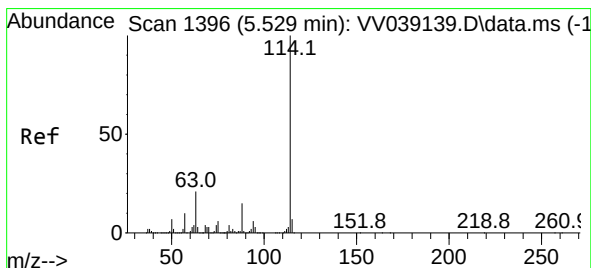
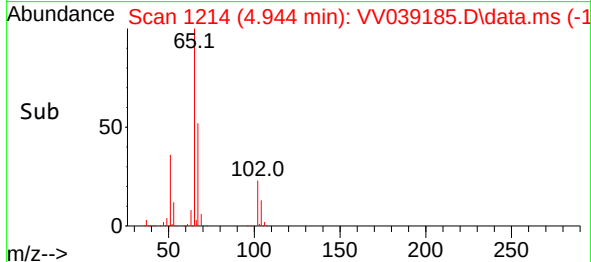
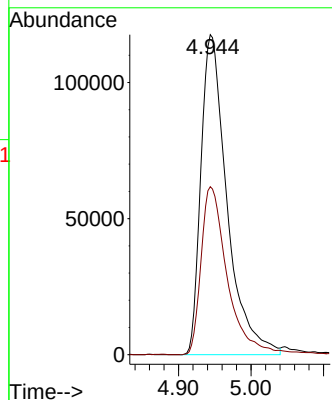
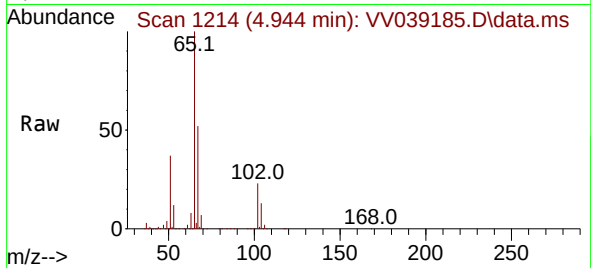




#33
1,2-Dichloroethane-d4
Concen: 55.094 ug/l
RT: 4.944 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

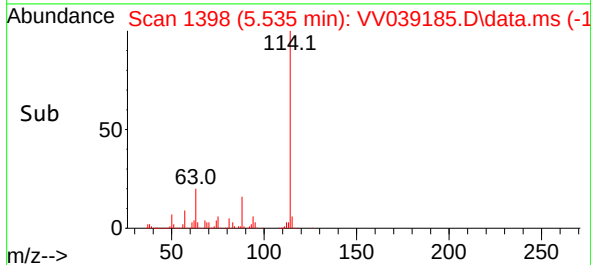
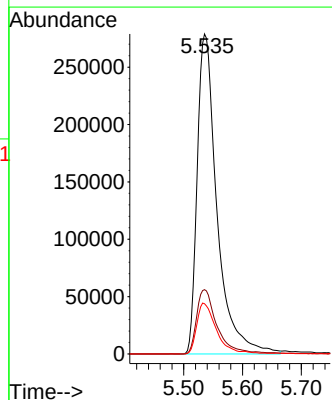
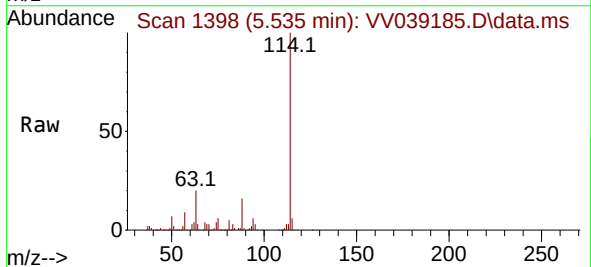
Instrument :
MSVOA_V
ClientSampleId :
GB3W

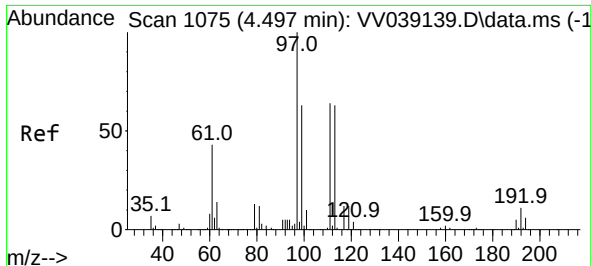
Tgt Ion: 65 Resp: 293708
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 114 Resp: 653076
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.6
88 15.7 0.0 30.8

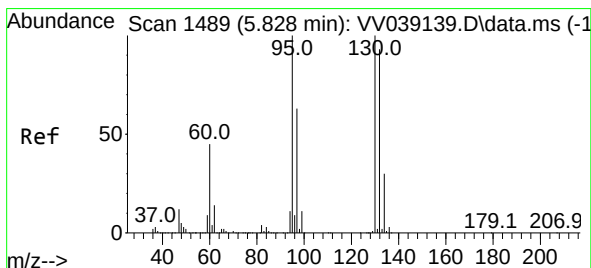
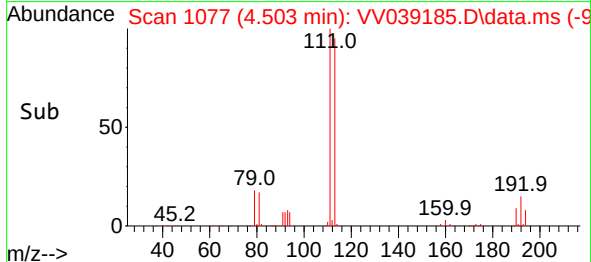
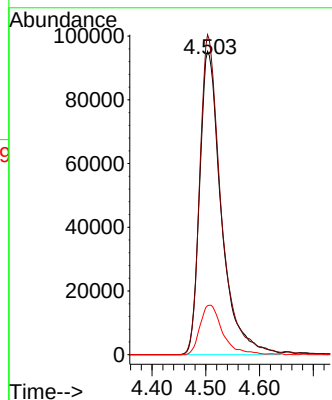
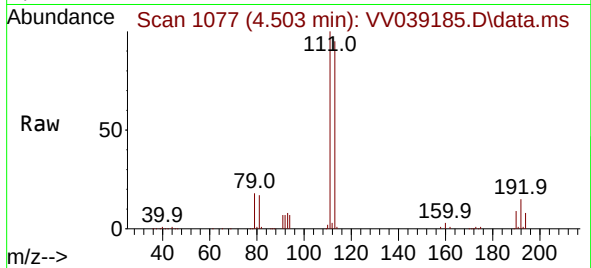




#35
Dibromofluoromethane
Concen: 50.704 ug/l
RT: 4.503 min Scan# 1113
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

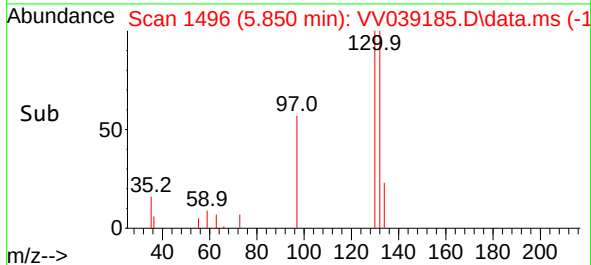
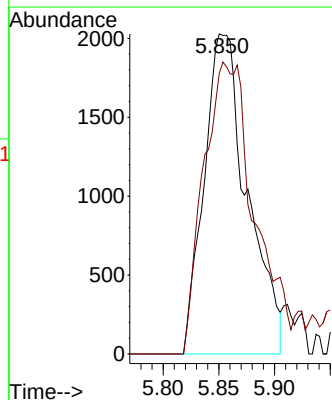
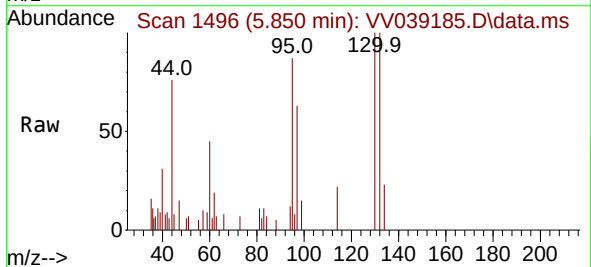
Instrument :
MSVOA_V
ClientSampleId :
GB3W

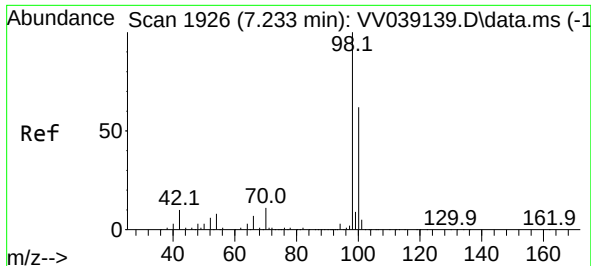
Tgt Ion:113 Resp: 266204
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 17.0 13.8 20.8



#44
Trichloroethene
Concen: 0.918 ug/l
RT: 5.850 min Scan# 1496
Delta R.T. 0.022 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion:130 Resp: 5474
Ion Ratio Lower Upper
130 100
95 87.6 0.0 199.2

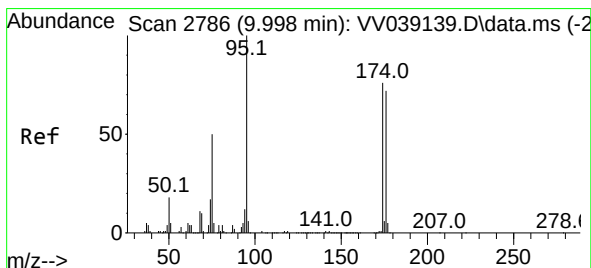
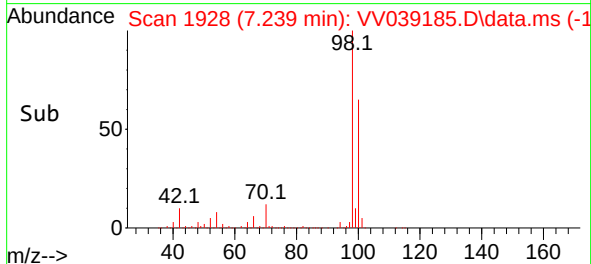
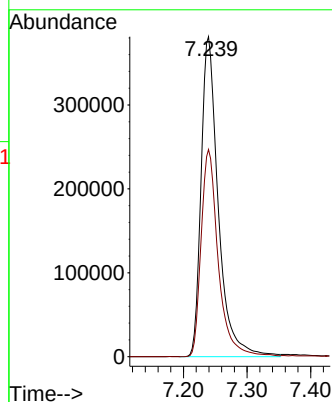
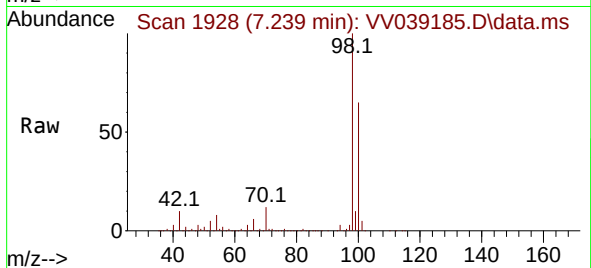




#50
Toluene-d8
Concen: 46.445 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

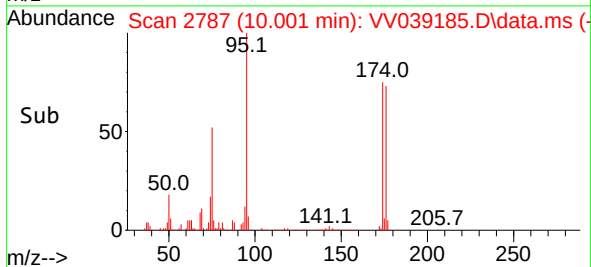
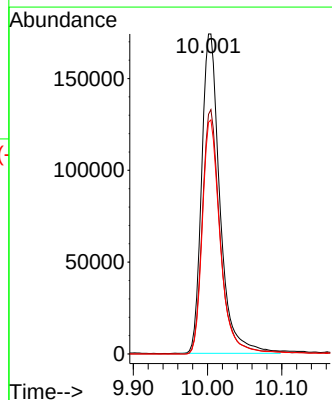
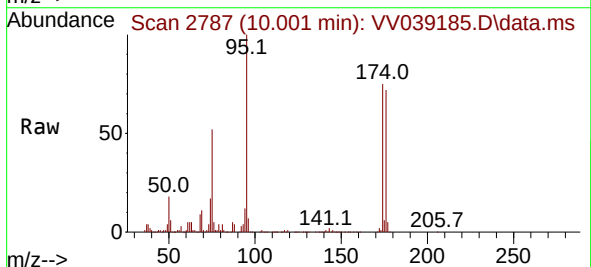
Instrument :
MSVOA_V
ClientSampleId :
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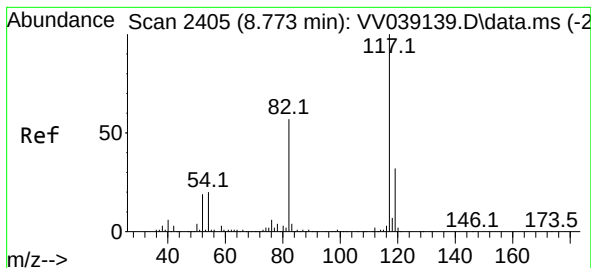
Tgt Ion: 98 Resp: 716173
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.860 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 95 Resp: 297465
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.4
176 72.2 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

GB3W

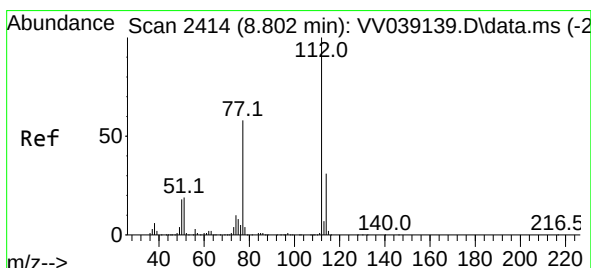
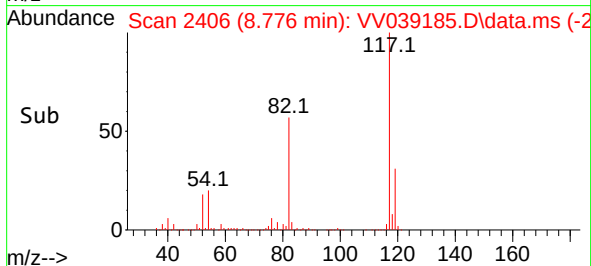
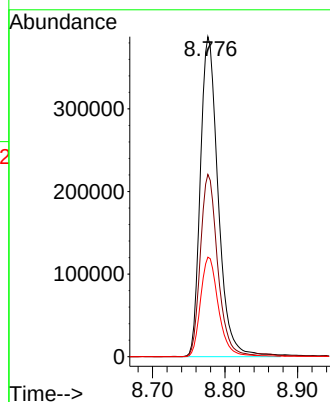
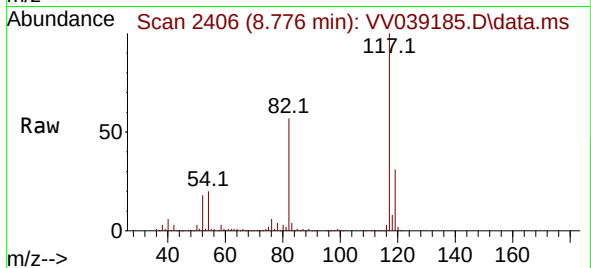
Tgt Ion:117 Resp: 662159

Ion Ratio Lower Upper

117 100

82 56.9 45.4 68.2

119 31.1 25.6 38.4



#65

Chlorobenzene

Concen: 4.724 ug/l

RT: 8.808 min Scan# 2416

Delta R.T. 0.006 min

Lab File: VV039185.D

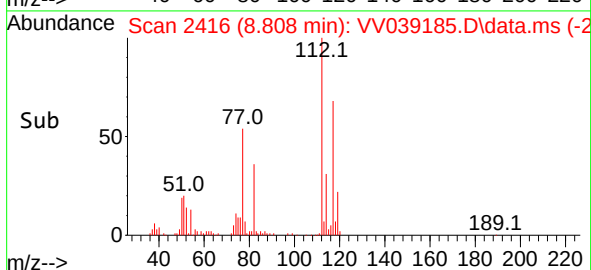
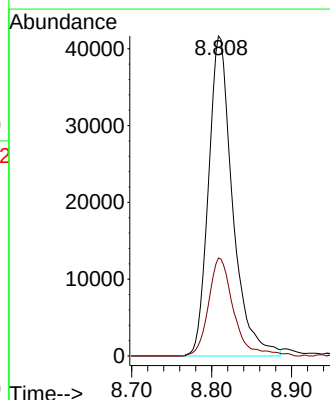
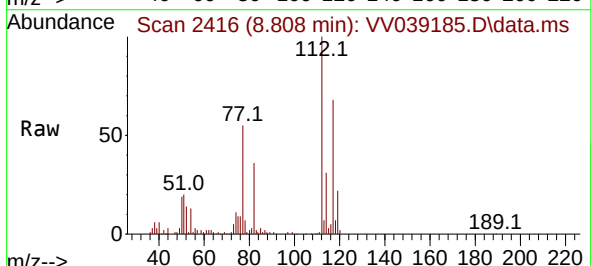
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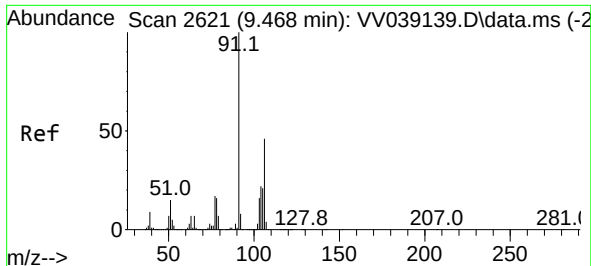
Tgt Ion:112 Resp: 87136

Ion Ratio Lower Upper

112 100

114 30.6 24.6 37.0

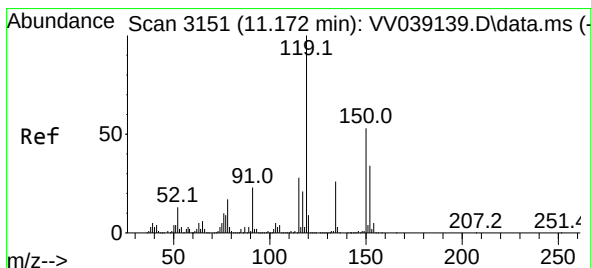
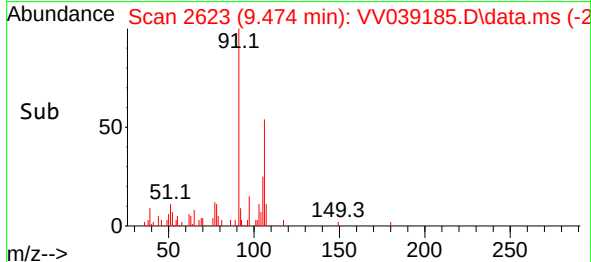
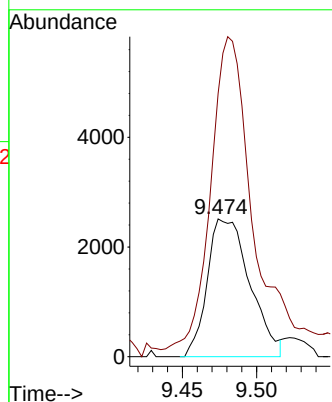
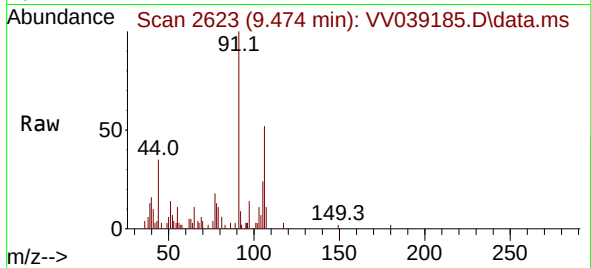




#69
o-Xylene
Concen: 0.525 ug/l
RT: 9.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

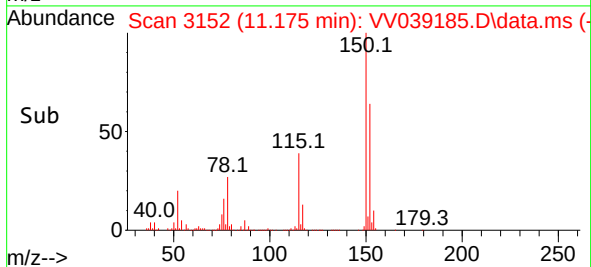
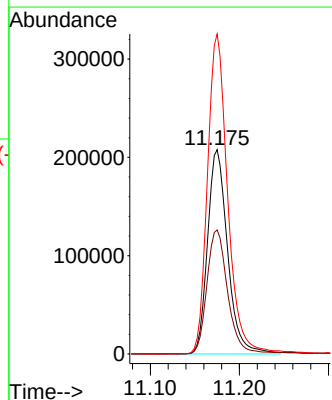
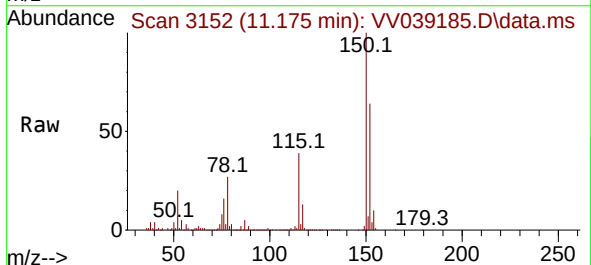
Instrument :
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ClientSampleId :
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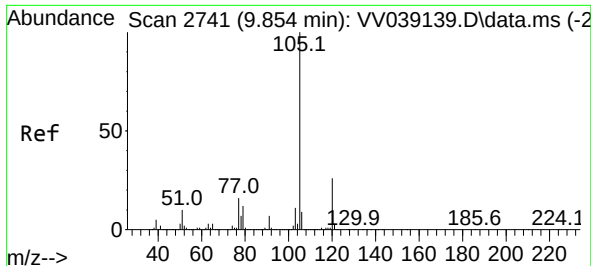
Tgt Ion:106 Resp: 5011
Ion Ratio Lower Upper
106 100
91 236.2 109.1 327.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion:152 Resp: 325221
Ion Ratio Lower Upper
152 100
115 63.3 44.8 134.4
150 158.1 0.0 353.8

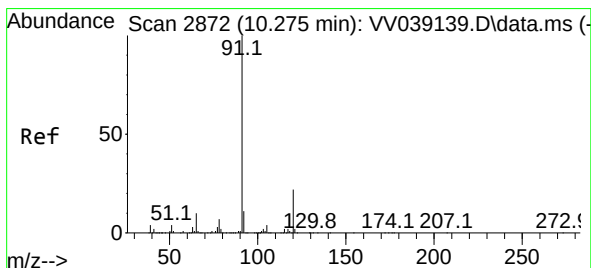
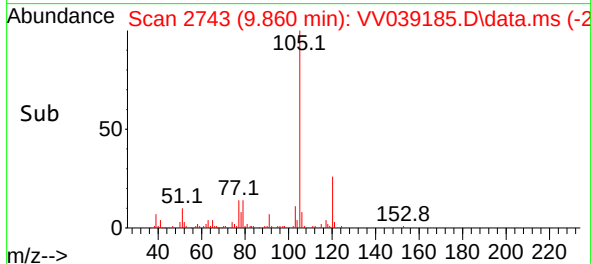
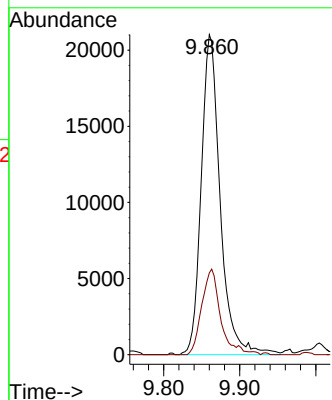
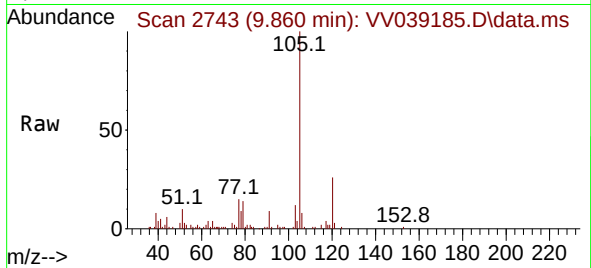




#73
Isopropylbenzene
Concen: 1.543 ug/l
RT: 9.860 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

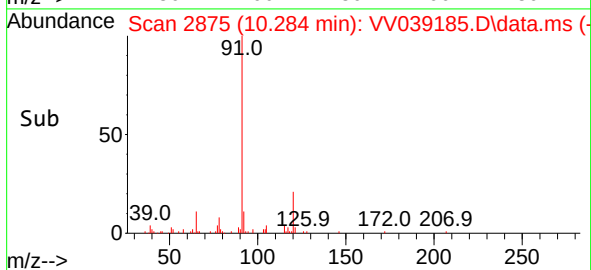
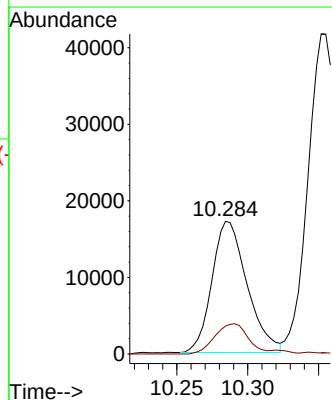
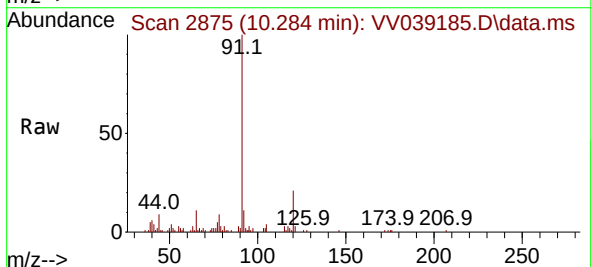
Instrument :
MSVOA_V
ClientSampleId :
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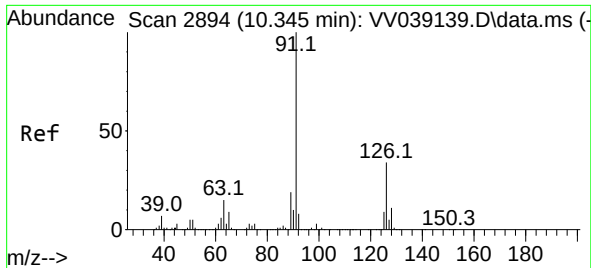
Tgt Ion:105 Resp: 36396
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.1



#78
n-propylbenzene
Concen: 1.030 ug/l
RT: 10.284 min Scan# 2875
Delta R.T. 0.010 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 91 Resp: 29586
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3

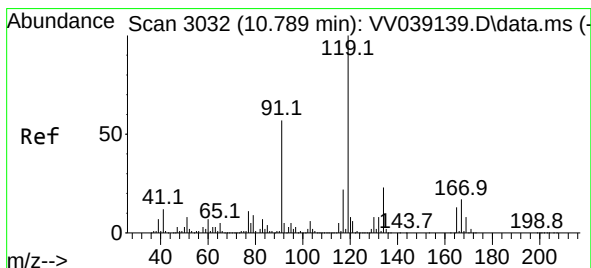
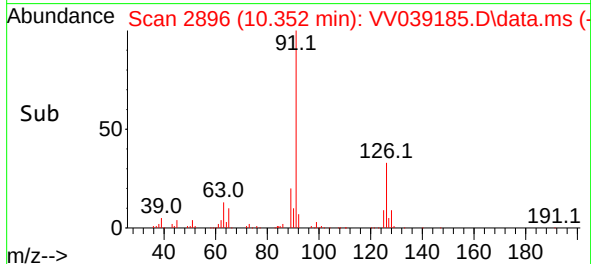
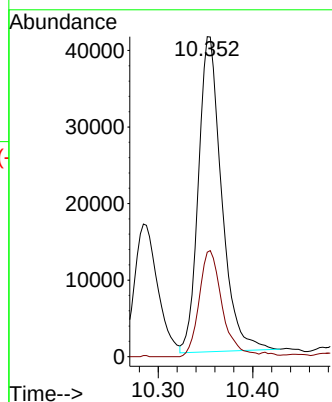
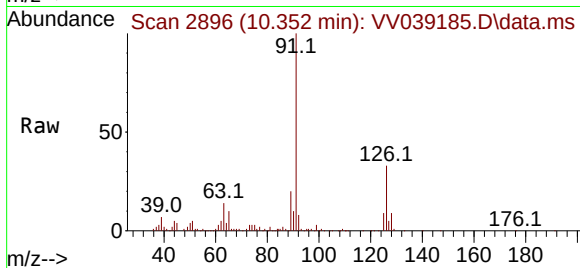




#79
2-Chlorotoluene
Concen: 4.080 ug/l
RT: 10.352 min Scan# 2894
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

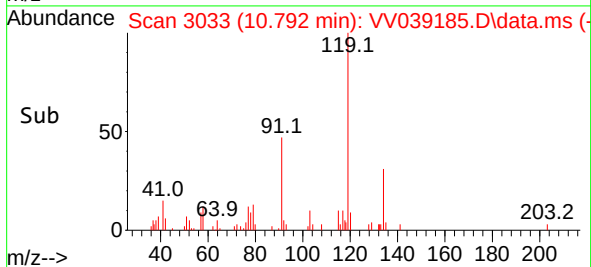
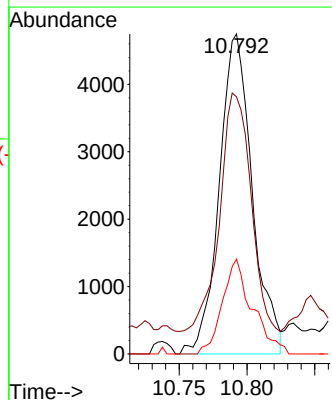
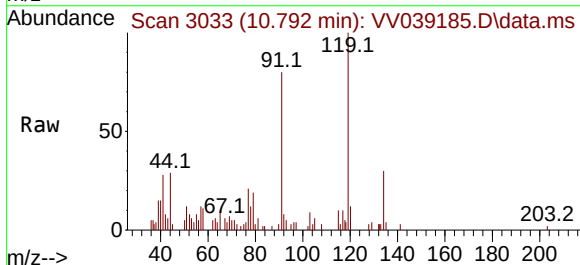
Instrument :
MSVOA_V
ClientSampleId :
GB3W

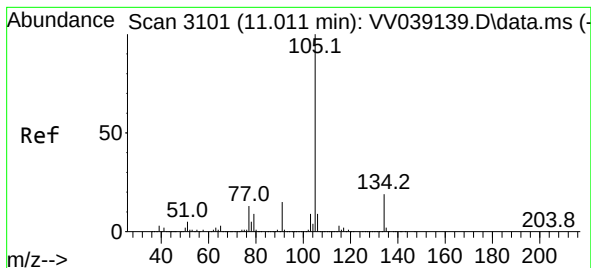
Tgt Ion: 91 Resp: 70132
Ion Ratio Lower Upper
91 100
126 33.3 16.7 50.0



#83
tert-Butylbenzene
Concen: 0.411 ug/l
RT: 10.792 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 119 Resp: 8040
Ion Ratio Lower Upper
119 100
91 70.0 28.5 85.6
134 26.9 11.5 34.4





#85

sec-Butylbenzene

Concen: 0.690 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

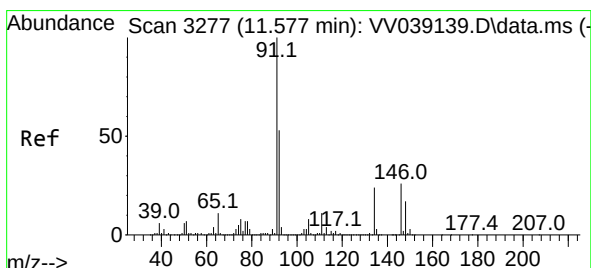
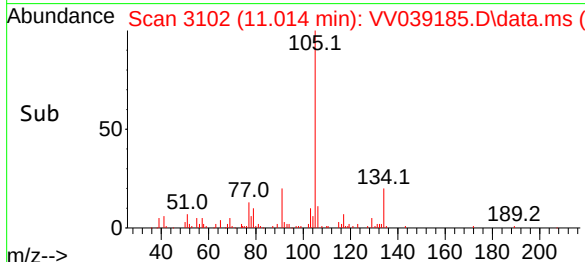
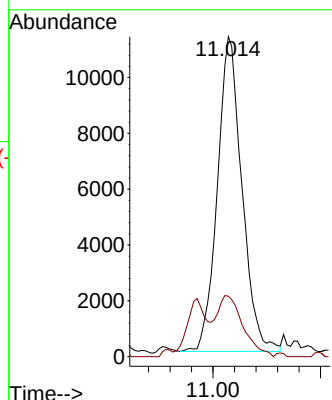
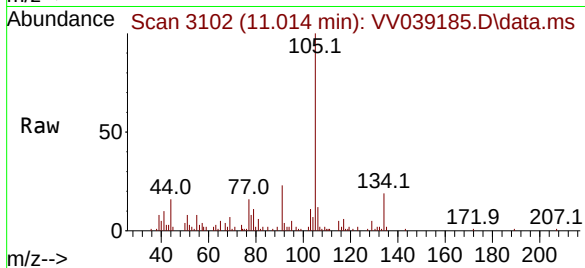
GB3W

Tgt Ion:105 Resp: 17900

Ion Ratio Lower Upper

105 100

134 20.6 9.6 28.8



#89

n-Butylbenzene

Concen: 0.671 ug/l

RT: 11.586 min Scan# 3280

Delta R.T. 0.010 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Tgt Ion: 91 Resp: 13827

Ion Ratio Lower Upper

91 100

92 55.1 26.6 79.8

134 29.3 12.1 36.3

