

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV039000.D
 Acq On : 21 Aug 2025 22:33
 Operator : SY/MD
 Sample : Q2924-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-18C-082025

Quant Time: Aug 22 04:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	671823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1168529	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1007735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	449215	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	458962	48.687	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	97.380%
35) Dibromofluoromethane	4.503	113	391693	44.697	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	89.400%
50) Toluene-d8	7.236	98	1344230	43.989	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	87.980%#
62) 4-Bromofluorobenzene	10.001	95	494467	44.232	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	88.460%

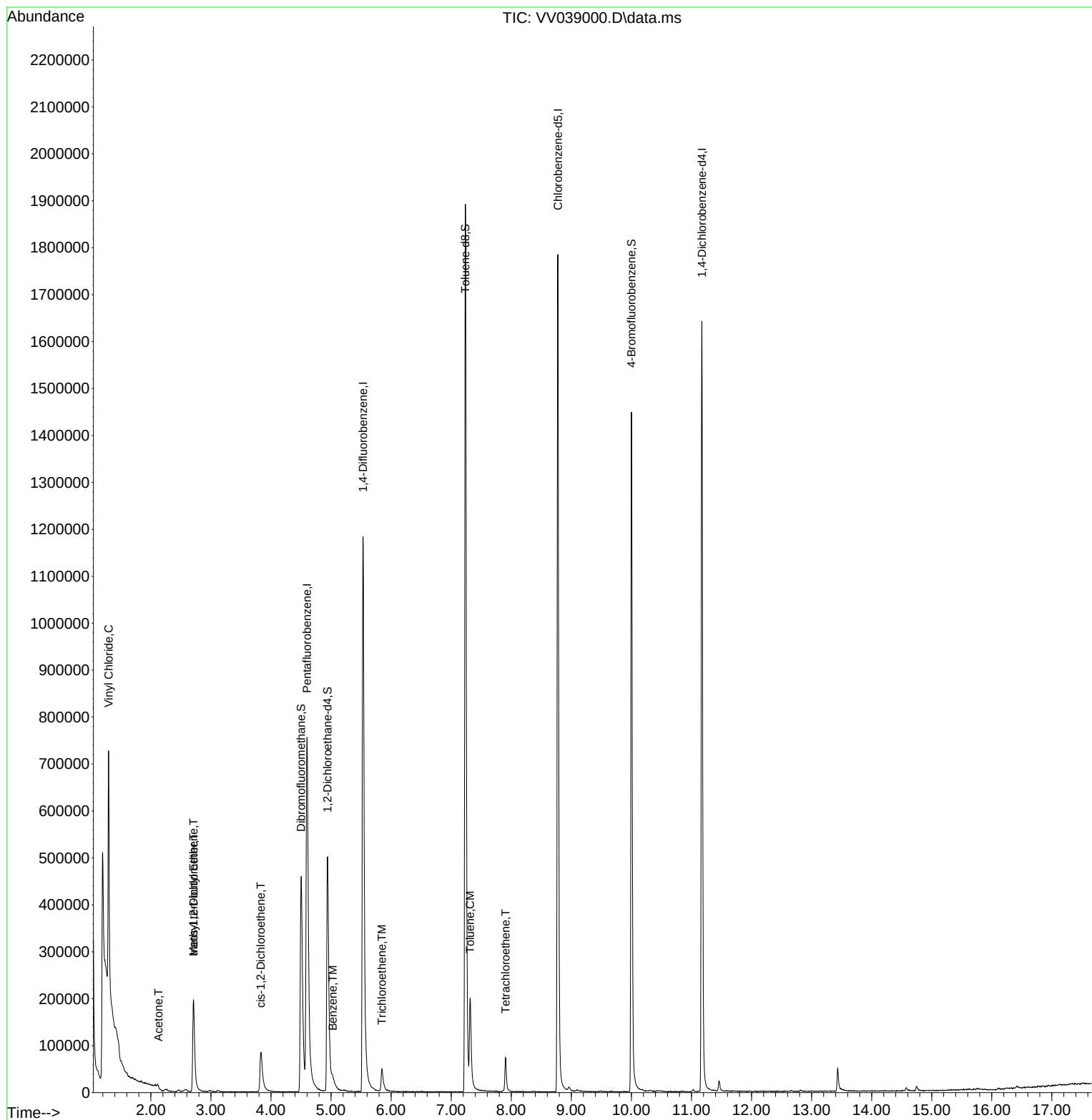
Target Compounds						Qvalue
4) Vinyl Chloride	1.297	62	407911	37.266	ug/l #	75
16) Acetone	2.127	43	6606	1.746	ug/l	88
19) Methyl tert-butyl Ether	2.712	73	120328	5.337	ug/l	96
21) trans-1,2-Dichloroethene	2.709	96	46491	5.854	ug/l	94
27) cis-1,2-Dichloroethene	3.831	96	59509	6.208	ug/l	91
40) Benzene	5.027	78	23025	0.646	ug/l #	90
44) Trichloroethene	5.847	130	21642	2.238	ug/l	88
52) Toluene	7.316	92	97882	4.336	ug/l	98
64) Tetrachloroethene	7.905	164	16022	2.137	ug/l	96

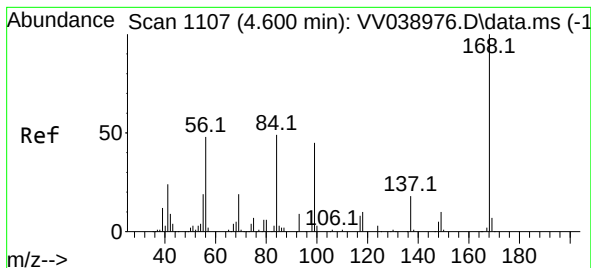
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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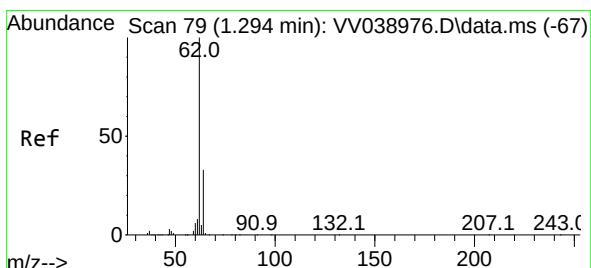
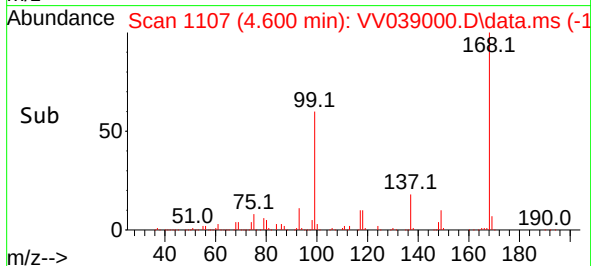
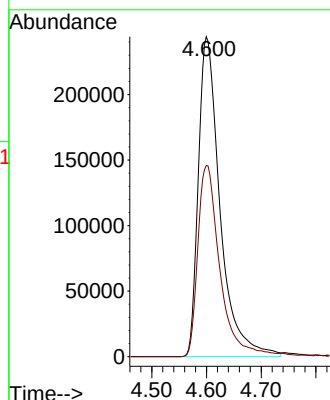
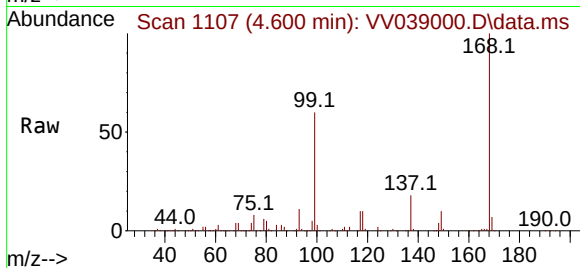




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

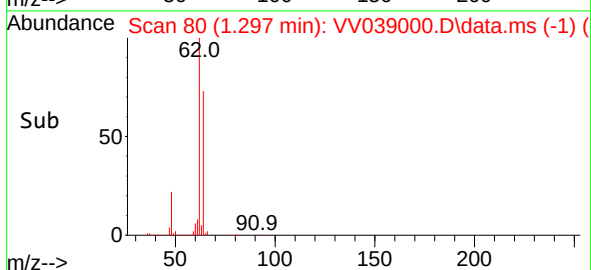
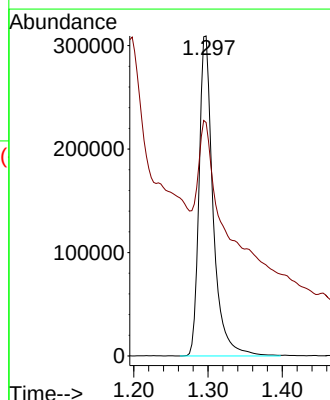
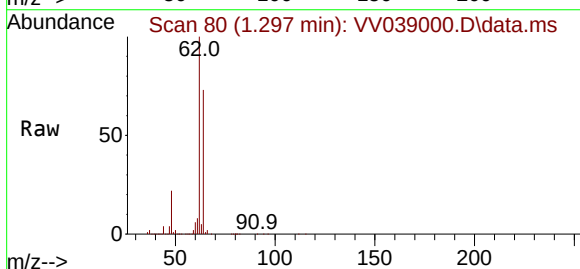
Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

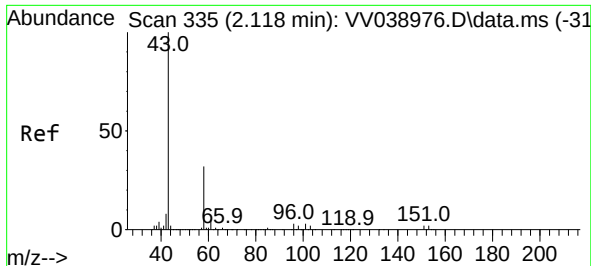
Tgt Ion:168 Resp: 671823
Ion Ratio Lower Upper
168 100
99 59.8 47.0 70.6



#4
Vinyl Chloride
Concen: 37.266 ug/l
RT: 1.297 min Scan# 80
Delta R.T. 0.003 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 62 Resp: 407911
Ion Ratio Lower Upper
62 100
64 47.3 26.4 39.6#





#16

Acetone

Concen: 1.746 ug/l

RT: 2.127 min Scan# 31

Delta R.T. 0.009 min

Lab File: VV039000.D

Acq: 21 Aug 2025 22:33

Instrument :

MSVOA_V

ClientSampleId :

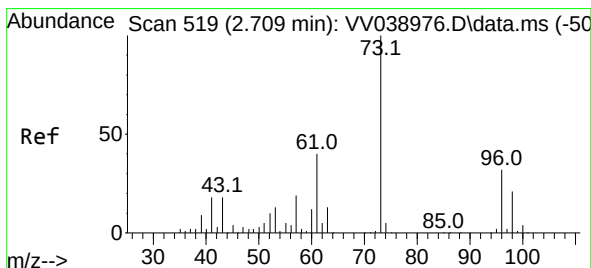
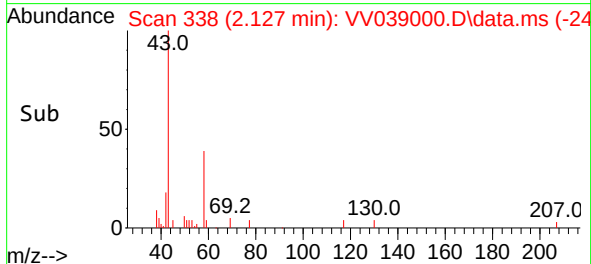
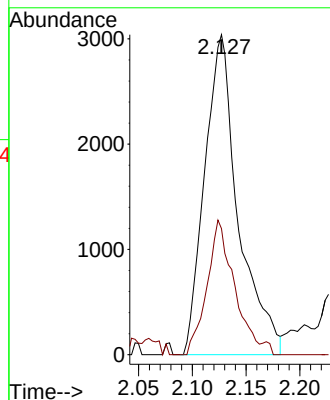
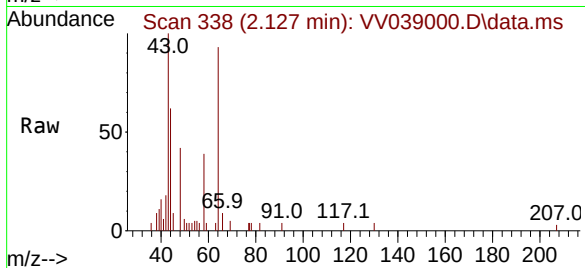
MW-18C-082025

Tgt Ion: 43 Resp: 6606

Ion Ratio Lower Upper

43 100

58 39.4 26.3 39.5



#19

Methyl tert-butyl Ether

Concen: 5.337 ug/l

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV039000.D

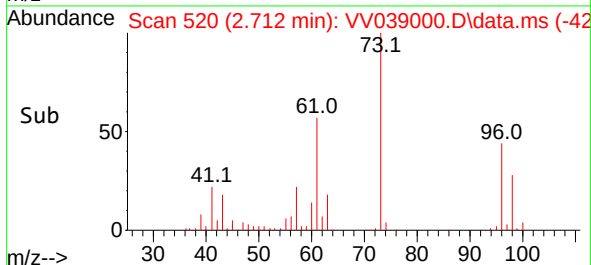
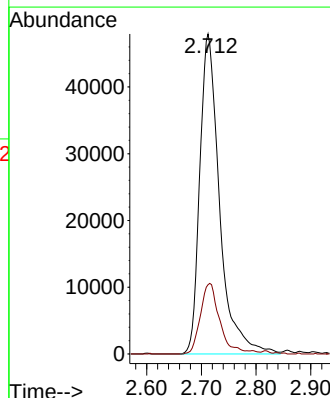
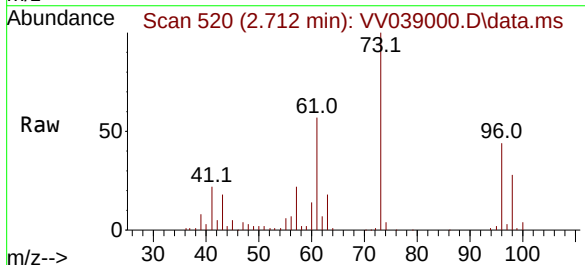
Acq: 21 Aug 2025 22:33

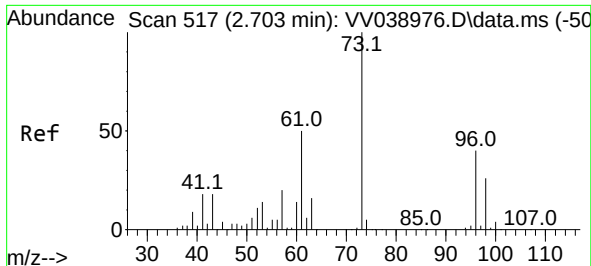
Tgt Ion: 73 Resp: 120328

Ion Ratio Lower Upper

73 100

57 21.7 15.7 23.5

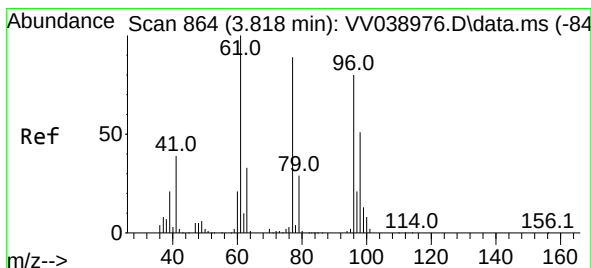
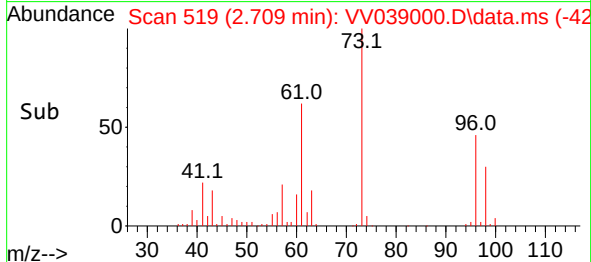
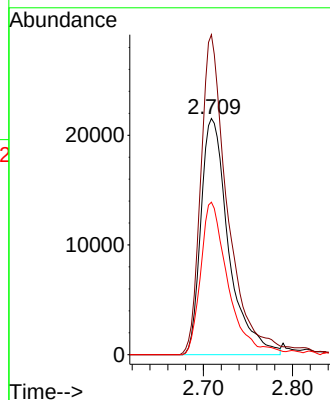
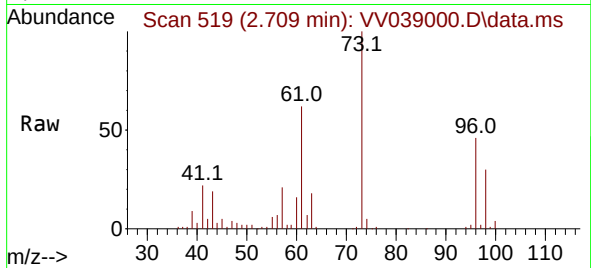




#21
trans-1,2-Dichloroethene
Concen: 5.854 ug/l
RT: 2.709 min Scan# 517
Delta R.T. 0.006 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

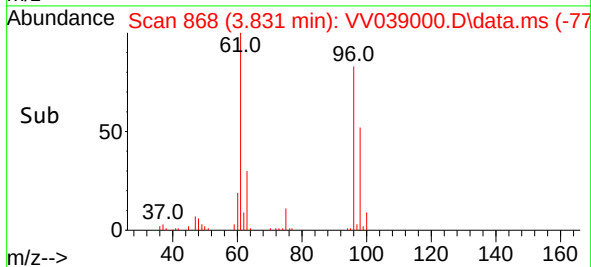
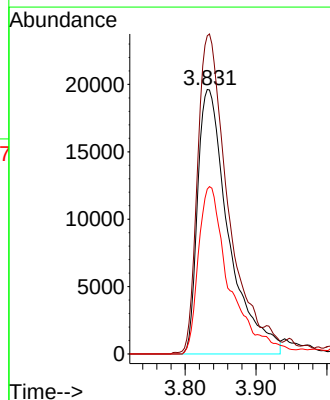
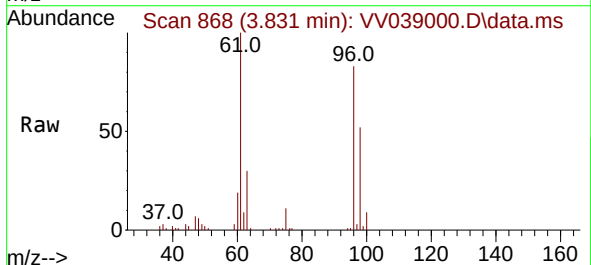
Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

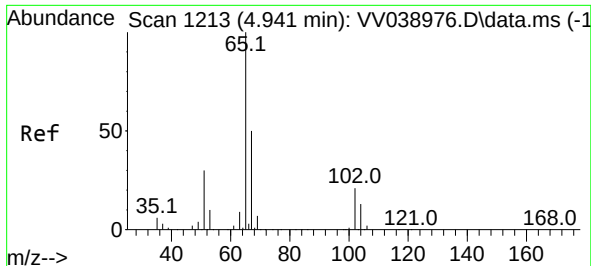
Tgt Ion: 96 Resp: 46491
Ion Ratio Lower Upper
96 100
61 135.5 100.6 151.0
98 64.6 51.5 77.3



#27
cis-1,2-Dichloroethene
Concen: 6.208 ug/l
RT: 3.831 min Scan# 868
Delta R.T. 0.013 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 96 Resp: 59509
Ion Ratio Lower Upper
96 100
61 117.3 0.0 264.4
98 63.8 0.0 131.8





#33

1,2-Dichloroethane-d4

Concen: 48.687 ug/l

RT: 4.940 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039000.D

Acq: 21 Aug 2025 22:33

Instrument :

MSVOA_V

ClientSampleId :

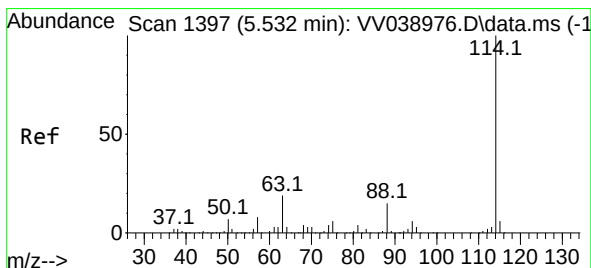
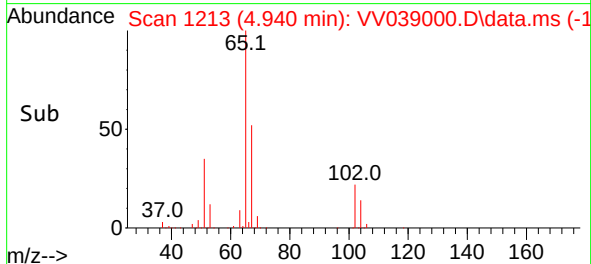
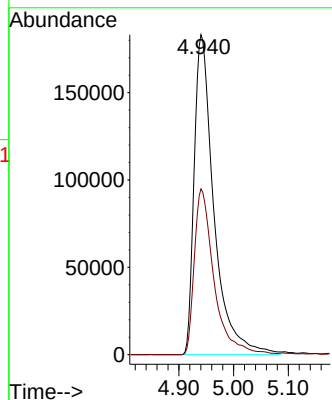
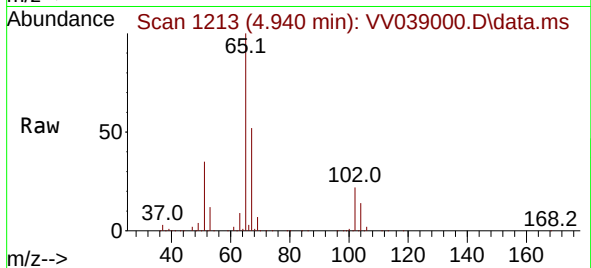
MW-18C-082025

Tgt Ion: 65 Resp: 458962

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV039000.D

Acq: 21 Aug 2025 22:33

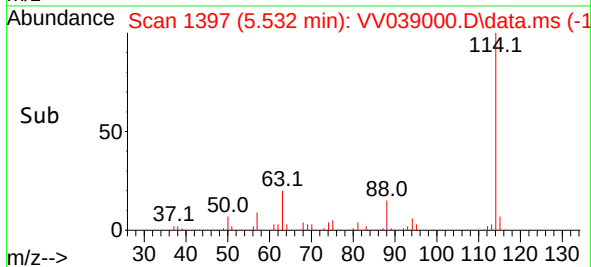
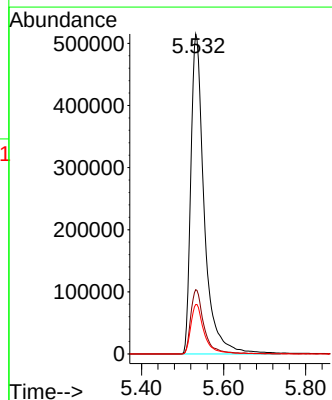
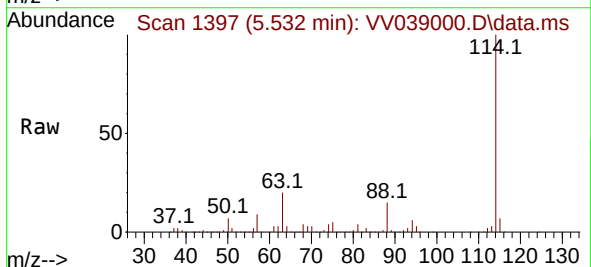
Tgt Ion: 114 Resp: 1168529

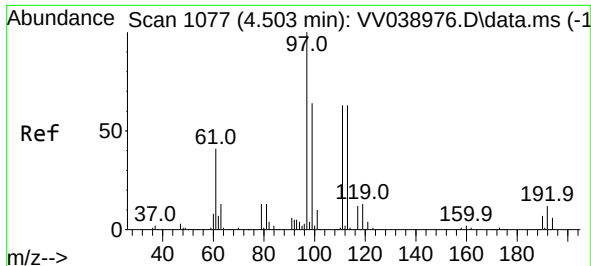
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 44.697 ug/l

RT: 4.503 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039000.D

Acq: 21 Aug 2025 22:33

Instrument :

MSVOA_V

ClientSampleId :

MW-18C-082025

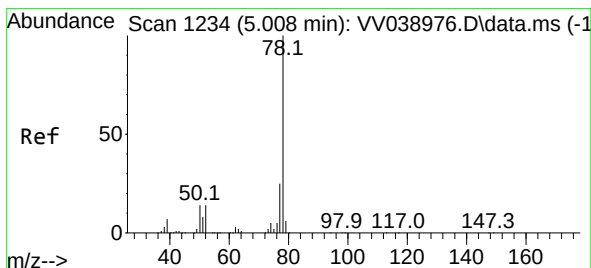
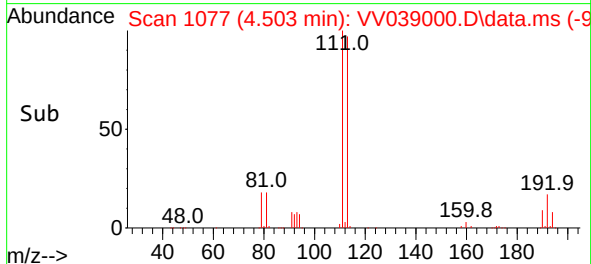
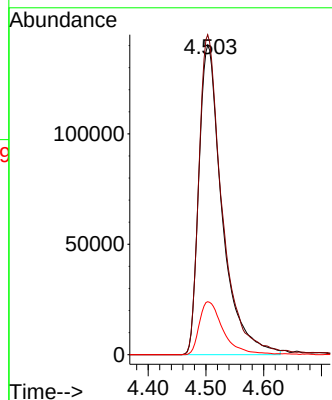
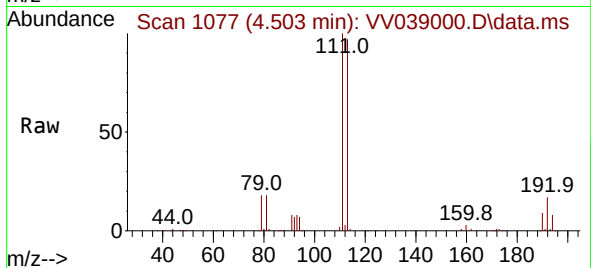
Tgt Ion:113 Resp: 391693

Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 17.5 15.4 23.0



#40

Benzene

Concen: 0.646 ug/l

RT: 5.027 min Scan# 1240

Delta R.T. 0.019 min

Lab File: VV039000.D

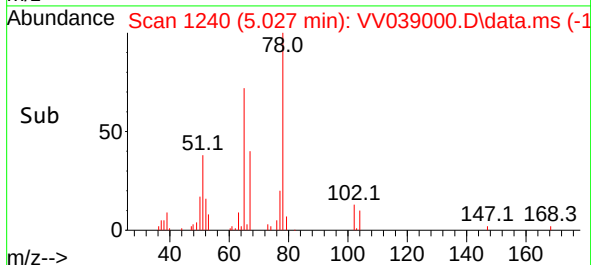
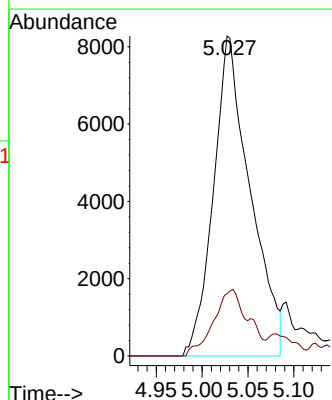
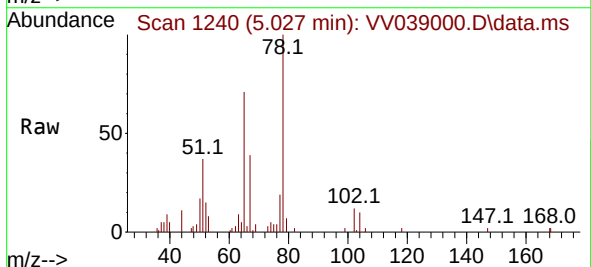
Acq: 21 Aug 2025 22:33

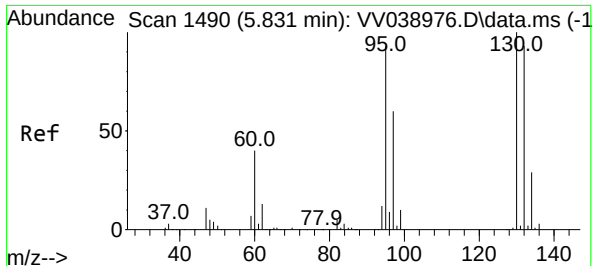
Tgt Ion: 78 Resp: 23025

Ion Ratio Lower Upper

78 100

77 19.5 19.6 29.4#

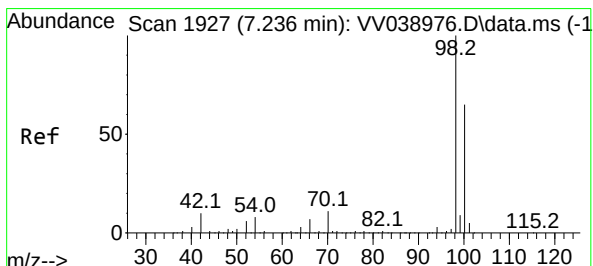
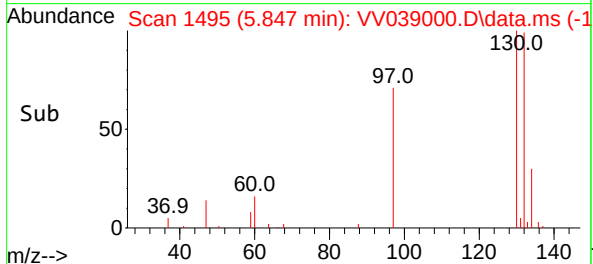
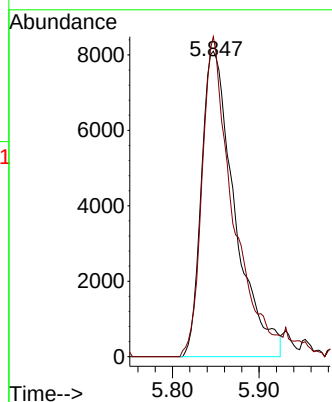
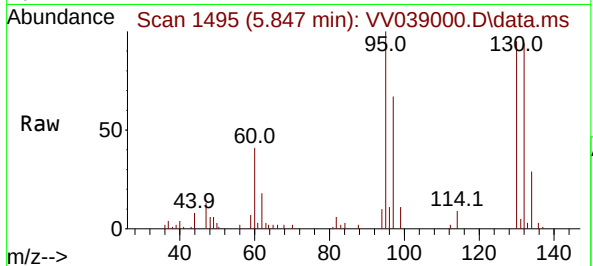




#44
 Trichloroethene
 Concen: 2.238 ug/l
 RT: 5.847 min Scan# 1495
 Delta R.T. 0.016 min
 Lab File: VV039000.D
 Acq: 21 Aug 2025 22:33

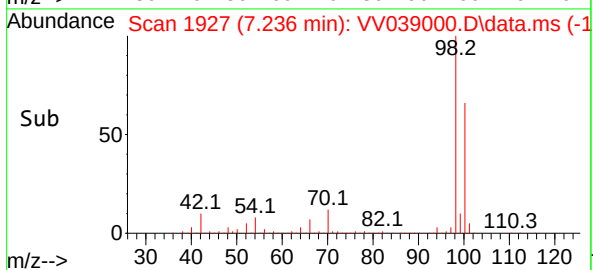
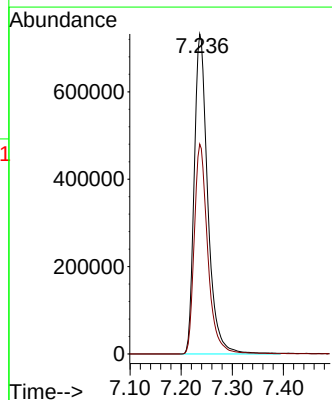
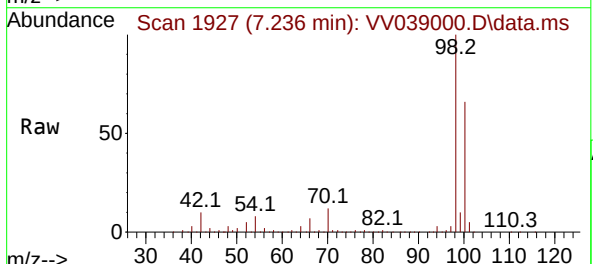
Instrument :
 MSVOA_V
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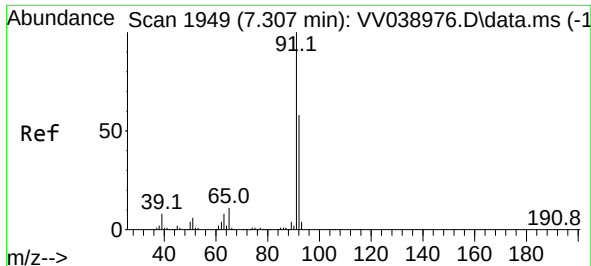
Tgt Ion:130 Resp: 21642
 Ion Ratio Lower Upper
 130 100
 95 104.8 0.0 186.6



#50
 Toluene-d8
 Concen: 43.989 ug/l
 RT: 7.236 min Scan# 1927
 Delta R.T. -0.000 min
 Lab File: VV039000.D
 Acq: 21 Aug 2025 22:33

Tgt Ion: 98 Resp: 1344230
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.2 78.2

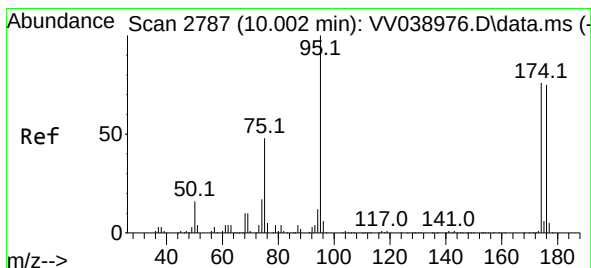
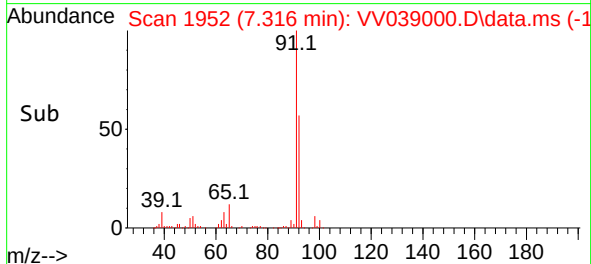
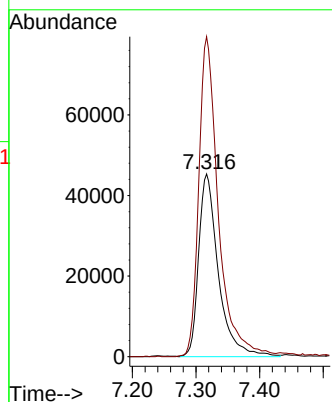
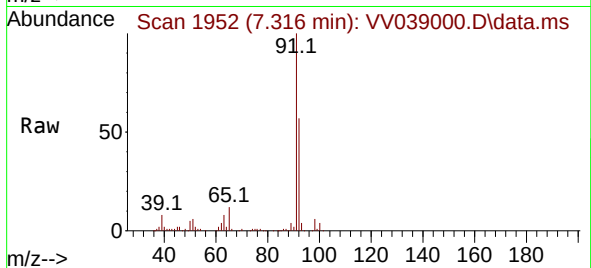




#52
Toluene
Concen: 4.336 ug/l
RT: 7.316 min Scan# 1949
Delta R.T. 0.009 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

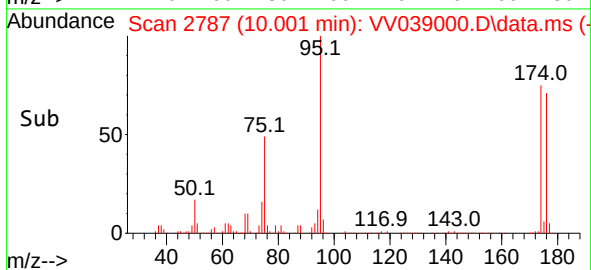
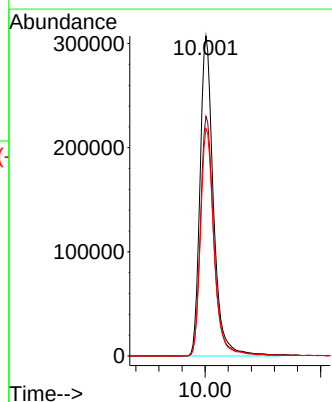
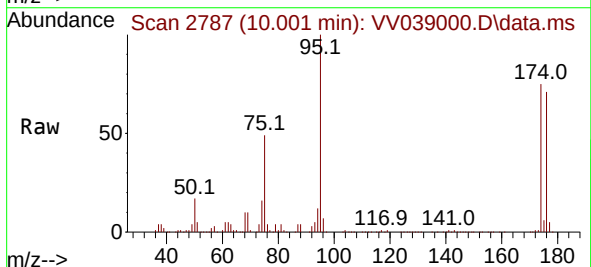
Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

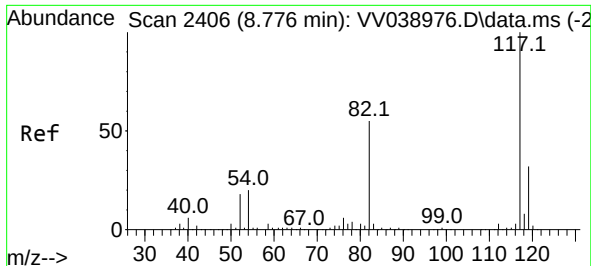
Tgt Ion: 92 Resp: 97882
Ion Ratio Lower Upper
92 100
91 173.3 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 44.232 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

Tgt Ion: 95 Resp: 494467
Ion Ratio Lower Upper
95 100
174 75.3 0.0 154.4
176 71.0 0.0 148.6

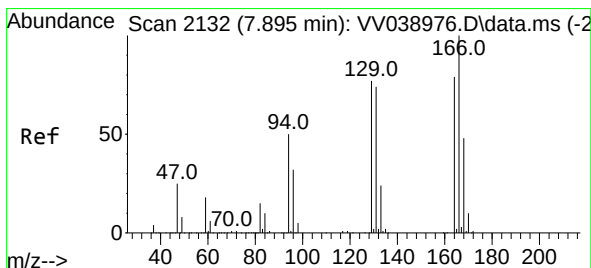
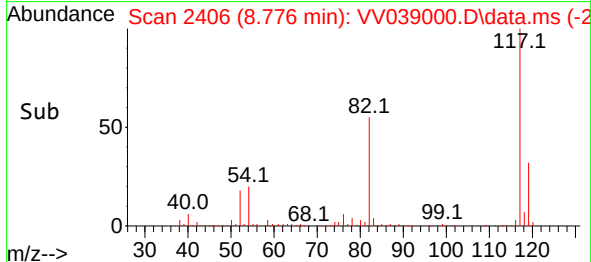
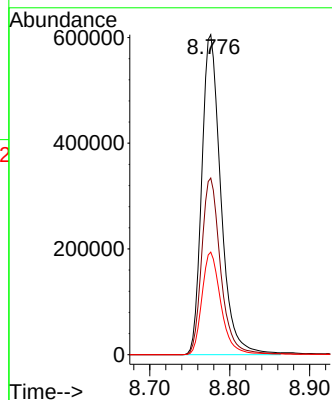
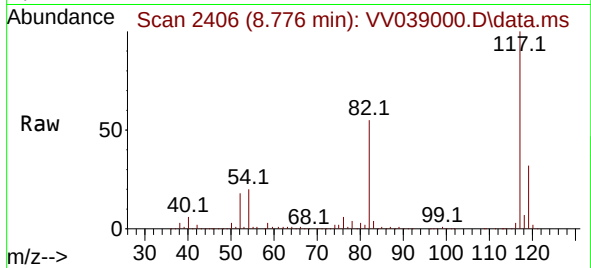




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

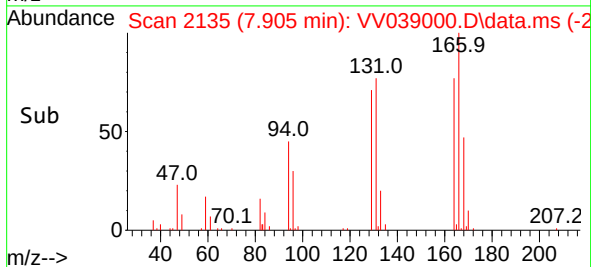
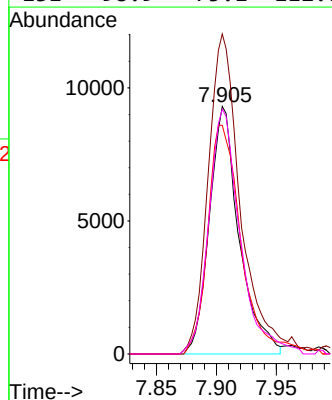
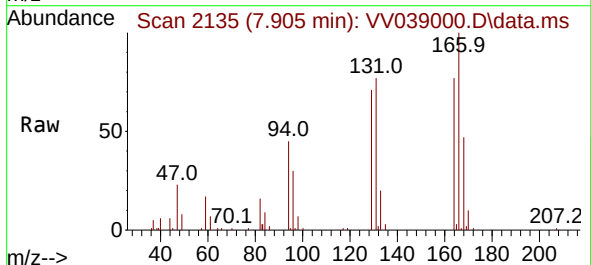
Instrument :
MSVOA_V
ClientSampleId :
MW-18C-082025

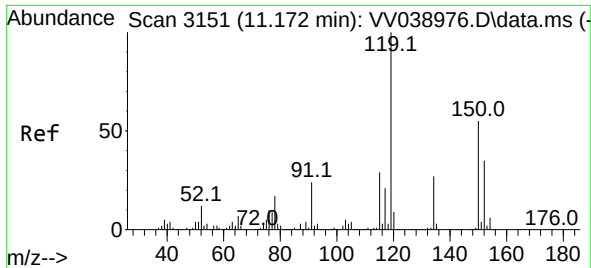
Tgt Ion:117 Resp: 1007735
Ion Ratio Lower Upper
117 100
82 55.2 44.4 66.6
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 2.137 ug/l
RT: 7.905 min Scan# 2135
Delta R.T. 0.009 min
Lab File: VV039000.D
Acq: 21 Aug 2025 22:33

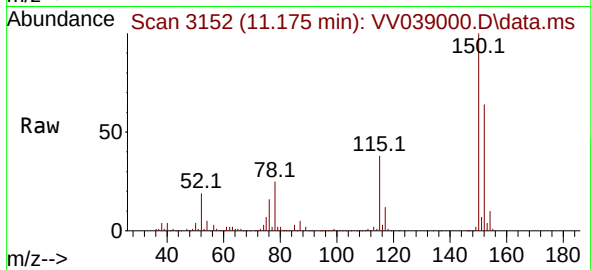
Tgt Ion:164 Resp: 16022
Ion Ratio Lower Upper
164 100
166 129.3 101.8 152.6
129 92.4 78.7 118.1
131 98.9 75.1 112.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV039000.D
 Acq: 21 Aug 2025 22:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-18C-082025



Tgt Ion:152	Resp: 449215
Ion Ratio	Lower Upper
152	100
115	60.1 42.5 127.5
150	156.6 0.0 344.8

