

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038854.D
 Acq On : 03 Jul 2025 11:55
 Operator : SY/MD
 Sample : VV0703WBL03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0703WBL03

Quant Time: Jul 04 03:53:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 02:44:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	412637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	714304	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	668900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	323075	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	271225	58.648	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	117.300%
35) Dibromofluoromethane	4.503	113	232882	51.471	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	102.940%
50) Toluene-d8	7.236	98	663921	45.354	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.700%
62) 4-Bromofluorobenzene	10.001	95	280174	47.372	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	94.740%

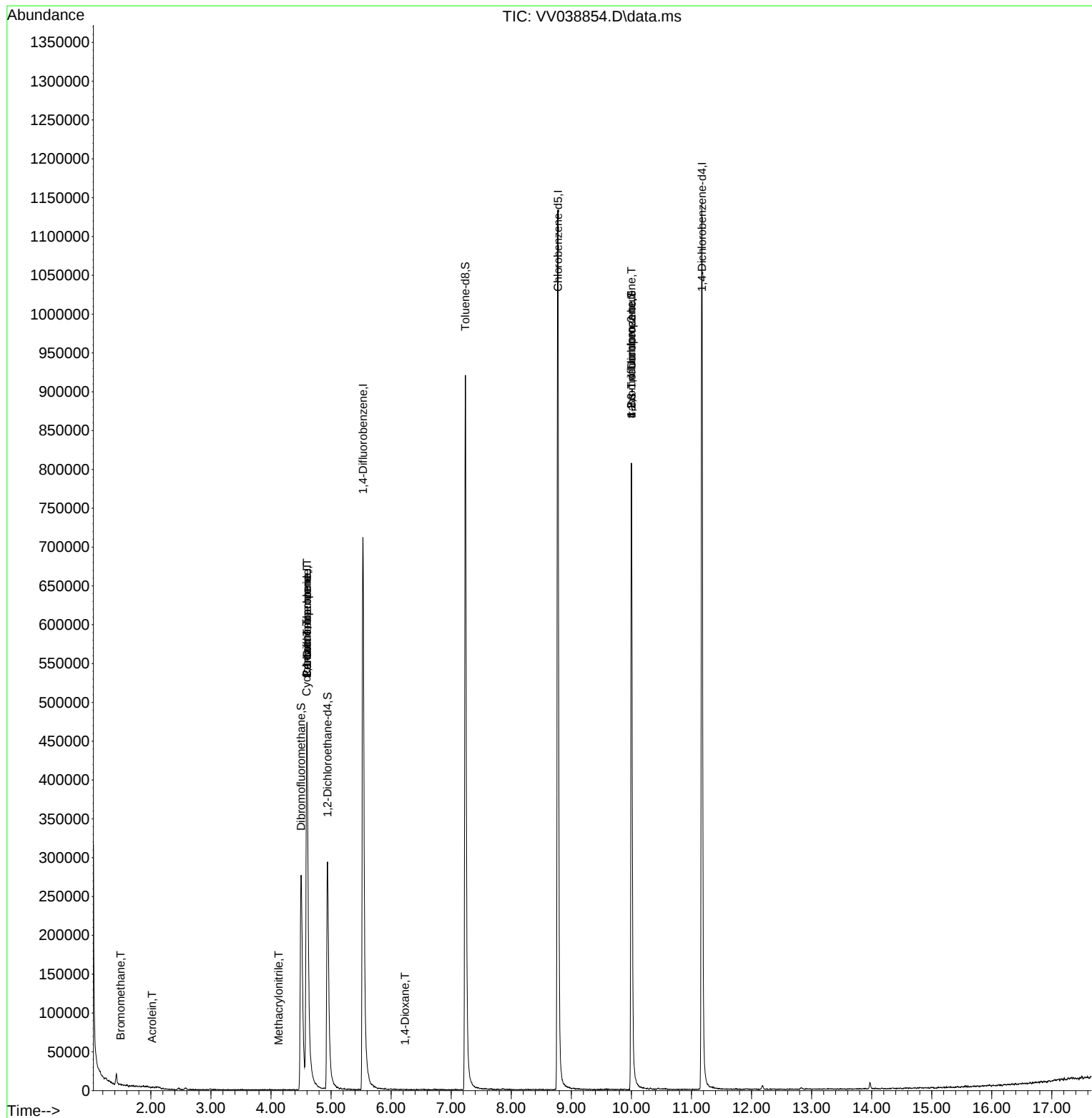
Target Compounds					Qvalue	
3) Chloromethane	1.233	50	1101	Below Cal		89
5) Bromomethane	1.494	94	750	0.275	ug/l #	31
13) Acrolein	2.021	56	47	0.312	ug/l #	74
31) Cyclohexane	4.593	56	8541	1.365	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	32447	5.910	ug/l #	47
38) Carbon Tetrachloride	4.600	117	41273	5.711	ug/l #	18
41) Methacrylonitrile	4.127	41	49	4.250	ug/l #	1
49) 1,4-Dioxane	6.230	88	44	0.747	ug/l #	26
76) 1,2,3-Trichloropropane	10.001	75	135722	27.151	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	135722	57.795	ug/l #	12

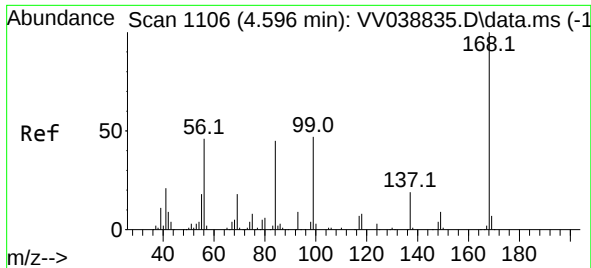
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 02:44:44 2025
Response via : Initial Calibration

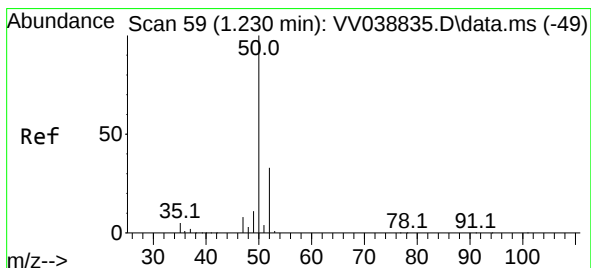
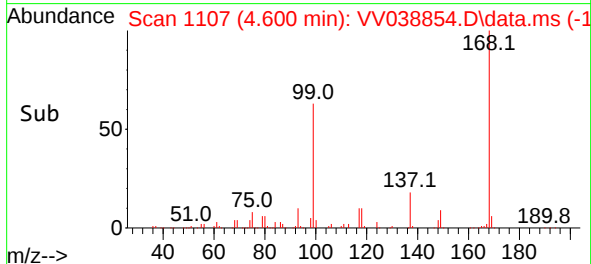
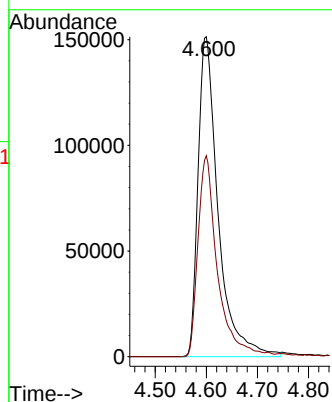
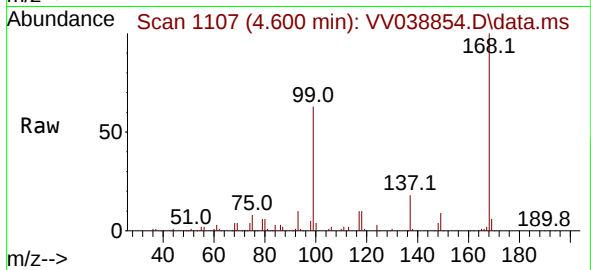




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.004 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

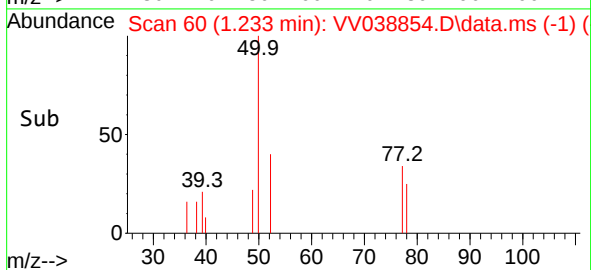
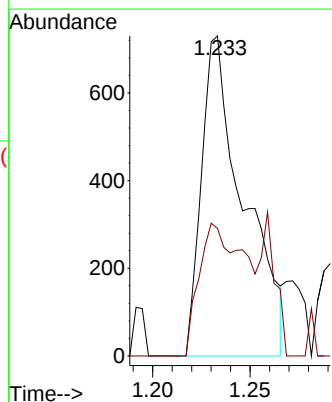
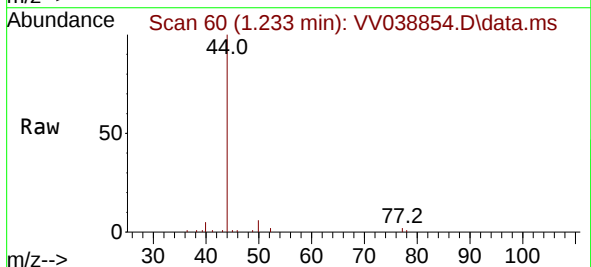
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

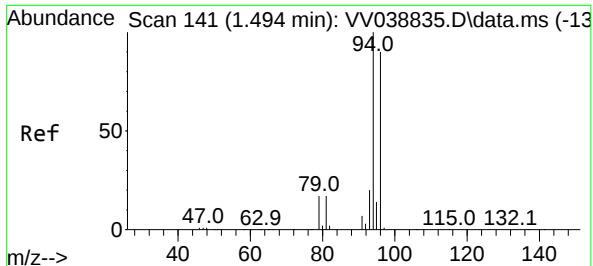
Tgt Ion:168 Resp: 412637
Ion Ratio Lower Upper
168 100
99 62.8 48.6 73.0



#3
Chloromethane
Concen: Below Cal
RT: 1.233 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 50 Resp: 1101
Ion Ratio Lower Upper
50 100
52 39.9 26.7 40.1

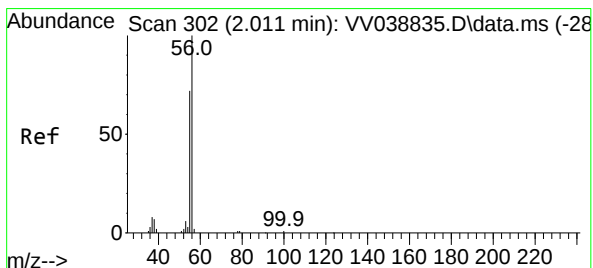
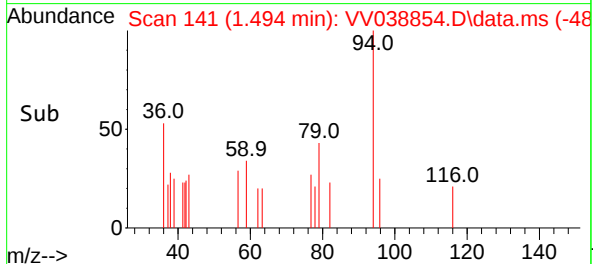
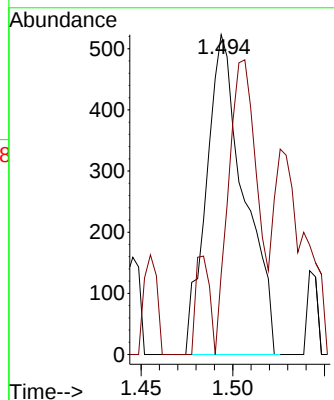
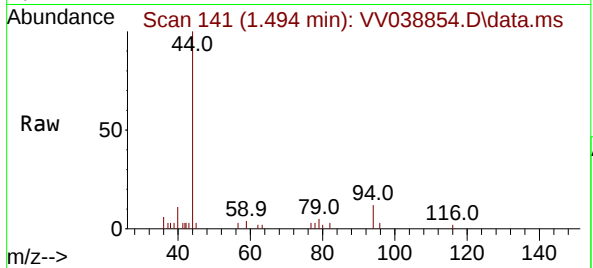




#5
Bromomethane
Concen: 0.275 ug/l
RT: 1.494 min Scan# 141
Delta R.T. 0.000 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

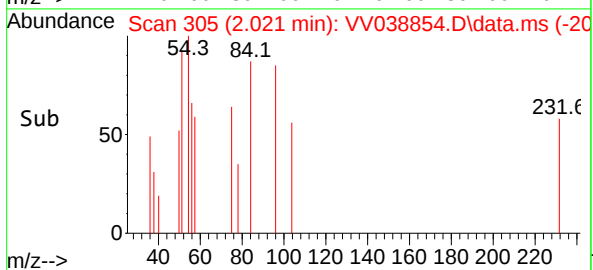
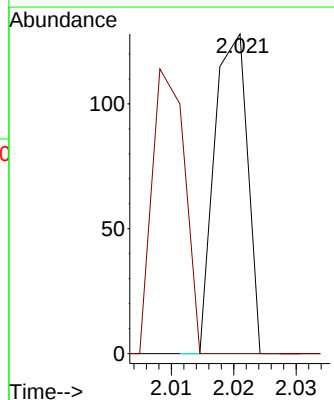
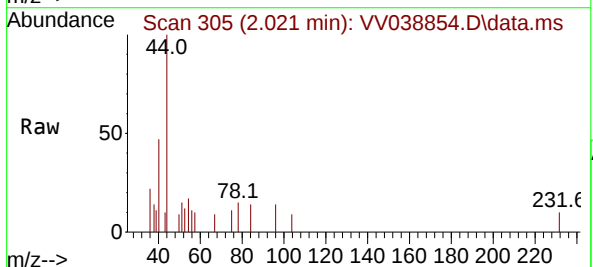
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

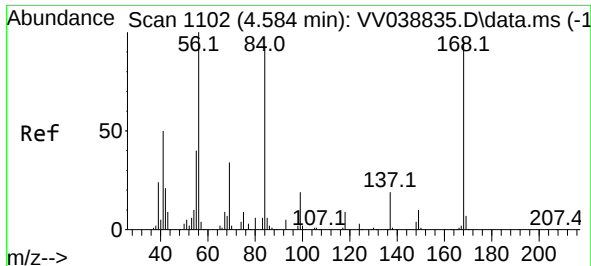
Tgt Ion: 94 Resp: 750
Ion Ratio Lower Upper
94 100
96 25.0 72.2 108.4#



#13
Acrolein
Concen: 0.312 ug/l
RT: 2.021 min Scan# 305
Delta R.T. 0.010 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 87.2 53.4 80.2#

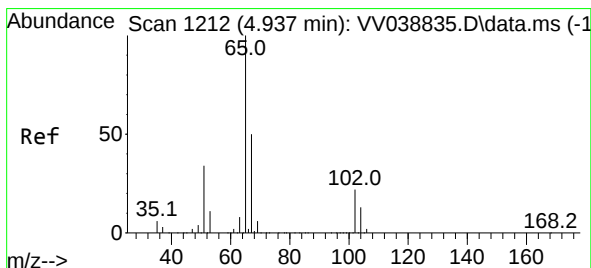
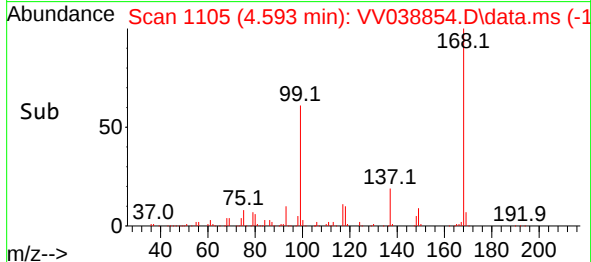
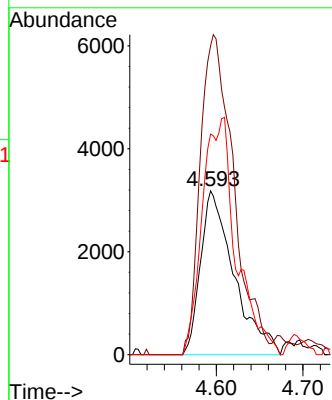
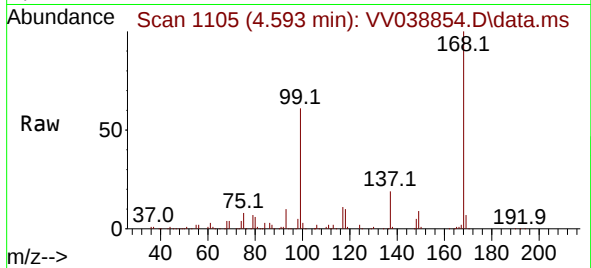




#31
Cyclohexane
Concen: 1.365 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

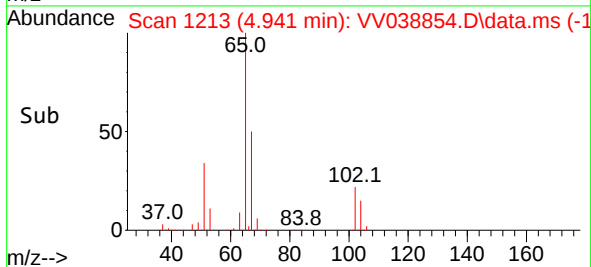
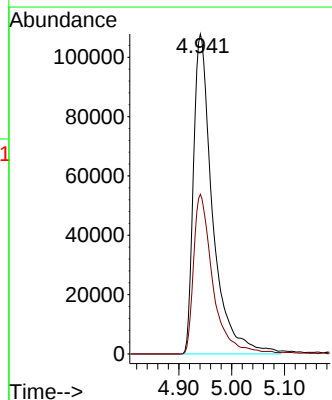
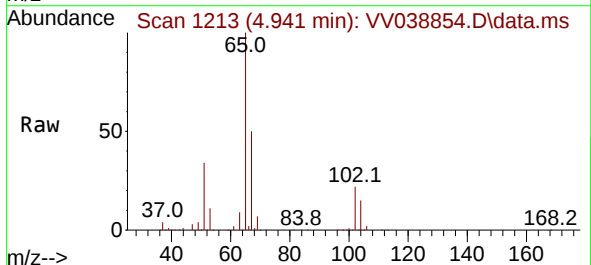
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

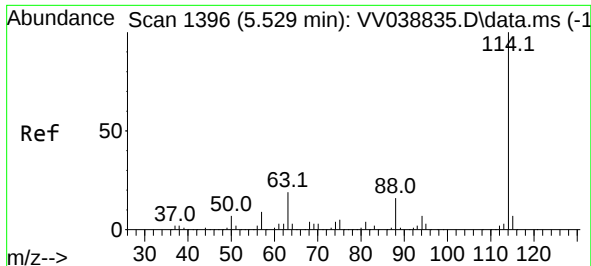
Tgt Ion: 56 Resp: 8541
Ion Ratio Lower Upper
56 100
69 188.6 27.0 40.4#
84 134.7 74.4 111.6#



#33
1,2-Dichloroethane-d4
Concen: 58.648 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 65 Resp: 271225
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038854.D

Acq: 03 Jul 2025 11:55

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL03

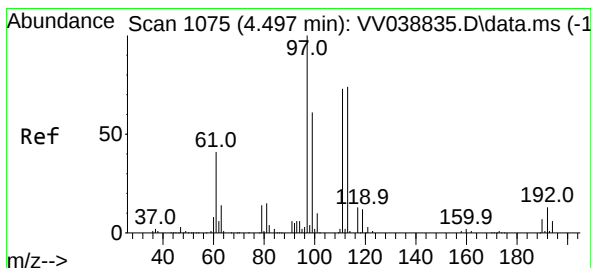
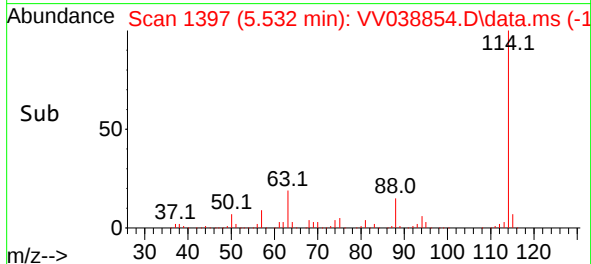
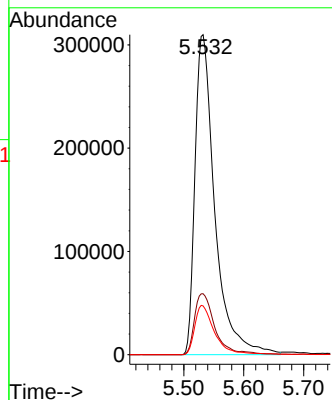
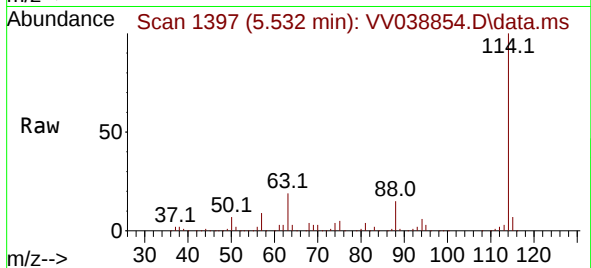
Tgt Ion:114 Resp: 714304

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 15.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.471 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV038854.D

Acq: 03 Jul 2025 11:55

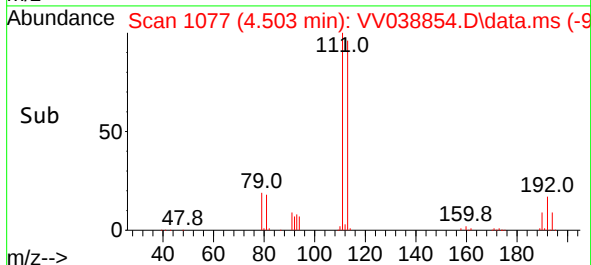
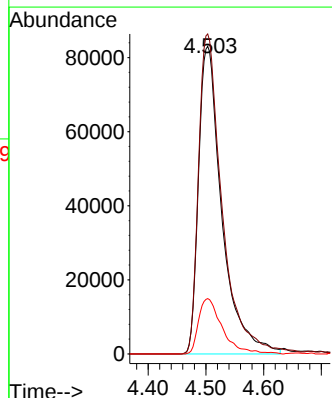
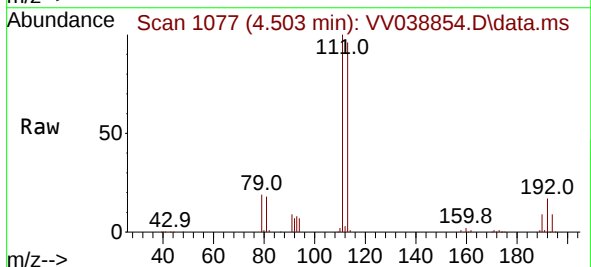
Tgt Ion:113 Resp: 232882

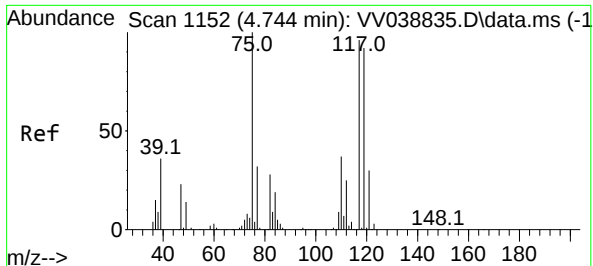
Ion Ratio Lower Upper

113 100

111 105.4 81.5 122.3

192 17.8 14.7 22.1

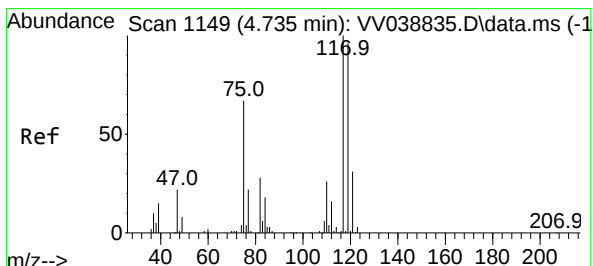
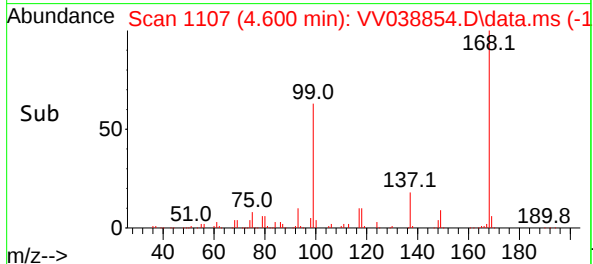
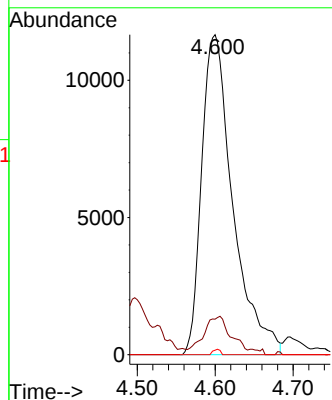
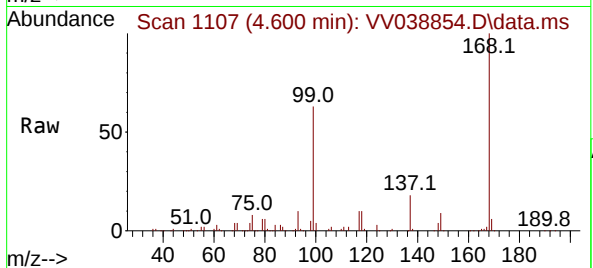




#36
1,1-Dichloropropene
Concen: 5.910 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.145 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

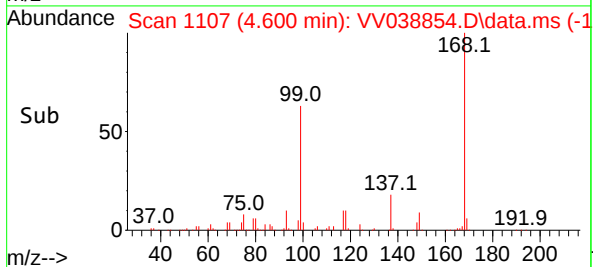
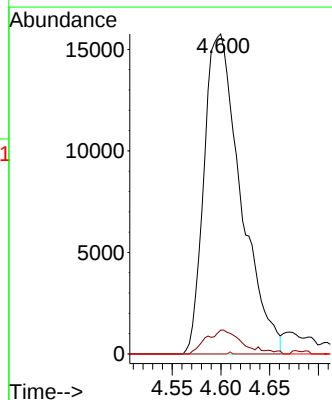
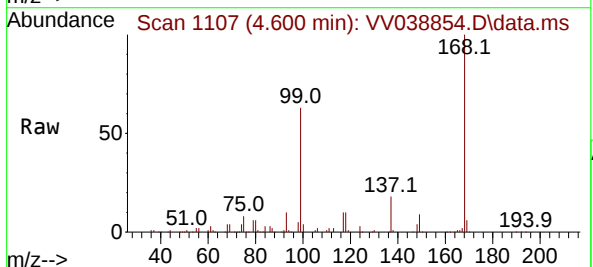
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

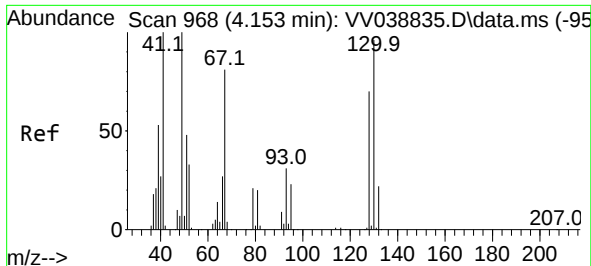
Tgt Ion: 75 Resp: 32447
Ion Ratio Lower Upper
75 100
110 8.2 19.3 57.9#
77 0.4 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

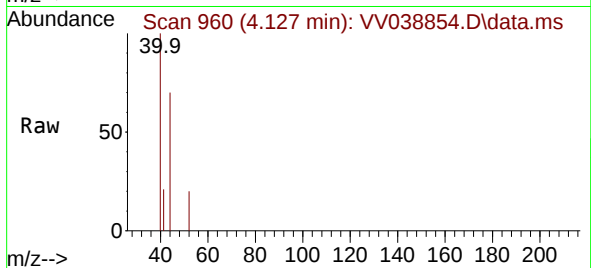
Tgt Ion: 117 Resp: 41273
Ion Ratio Lower Upper
117 100
119 7.5 76.5 114.7#
121 0.0 25.0 37.6#



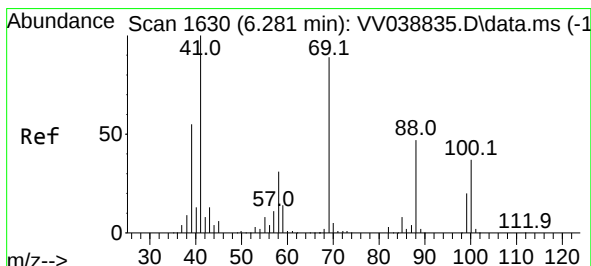
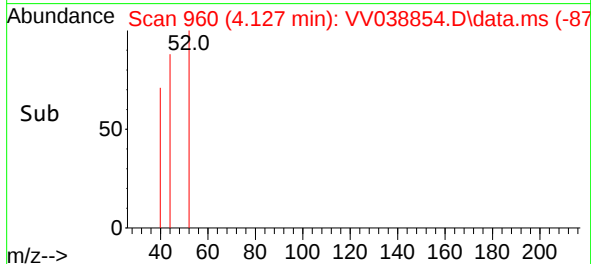
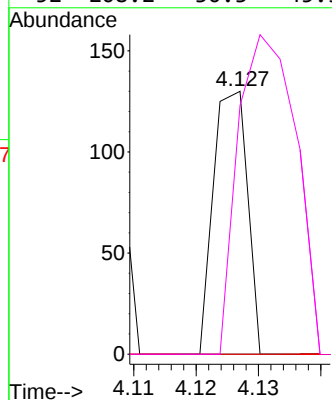


#41
Methacrylonitrile
Concen: 4.250 ug/l
RT: 4.127 min Scan# 90
Delta R.T. -0.026 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

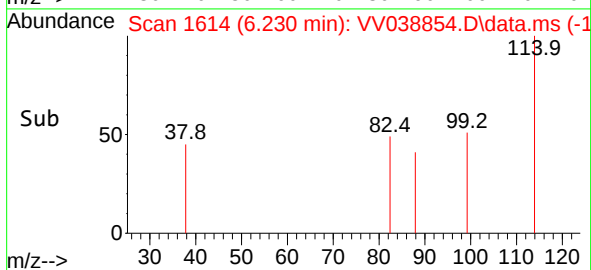
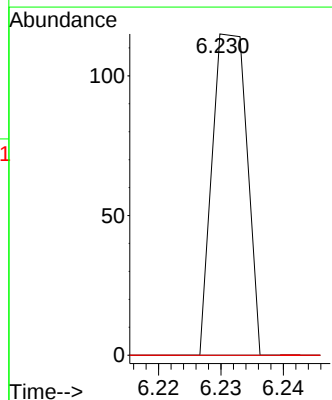
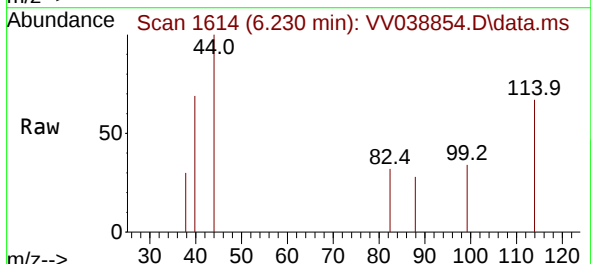


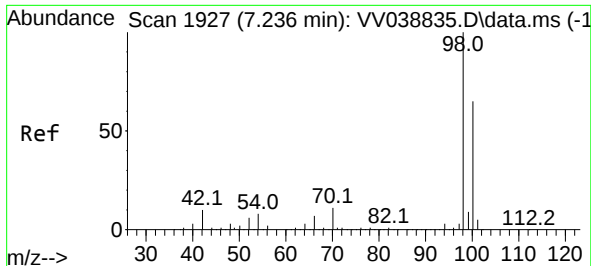
Tgt Ion: 41	Resp: 49
Ion Ratio	Lower Upper
41 100	
39 0.0	43.8 65.8#
67 0.0	78.8 118.2#
52 208.2	30.3 45.5#



#49
1,4-Dioxane
Concen: 0.747 ug/l
RT: 6.230 min Scan# 1614
Delta R.T. -0.051 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 88	Resp: 44
Ion Ratio	Lower Upper
88 100	
43 0.0	25.2 37.8#
58 0.0	52.1 78.1#

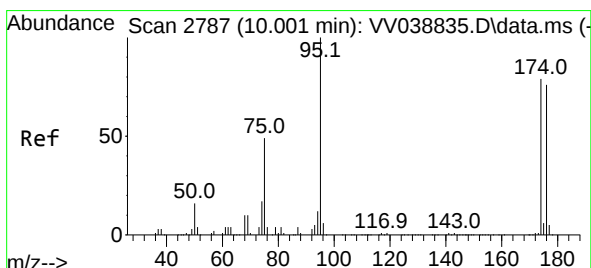
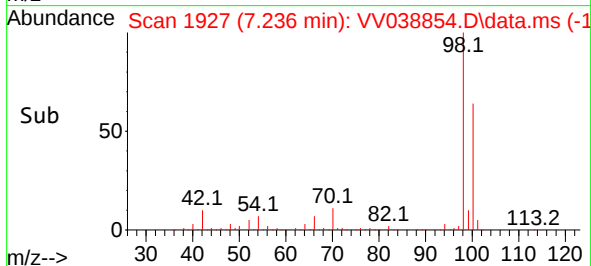
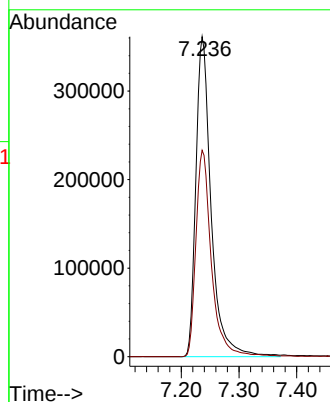
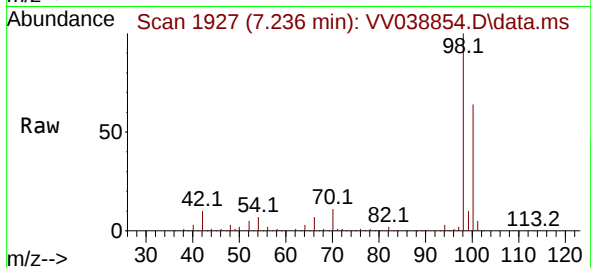




#50
Toluene-d8
Concen: 45.354 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

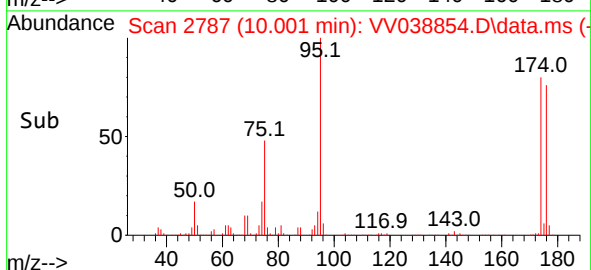
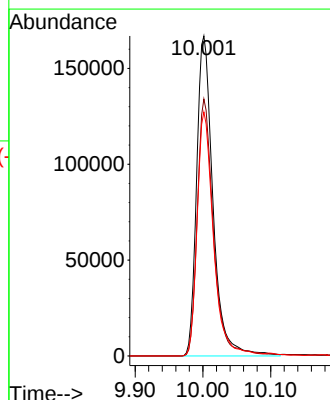
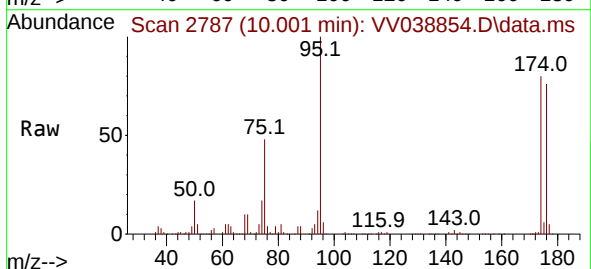
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

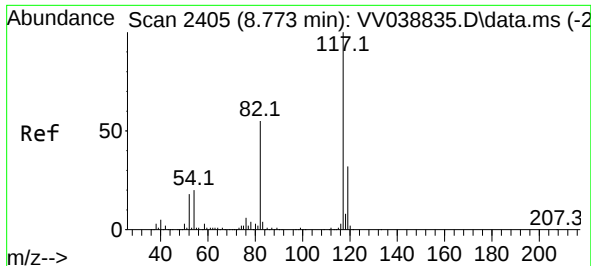
Tgt Ion: 98 Resp: 663921
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.372 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 95 Resp: 280174
Ion Ratio Lower Upper
95 100
174 79.3 0.0 158.2
176 76.0 0.0 154.4

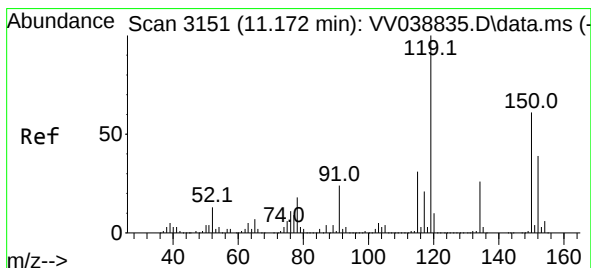
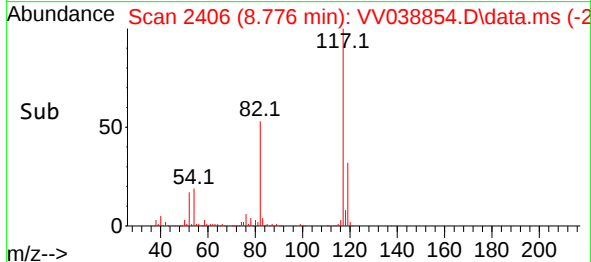
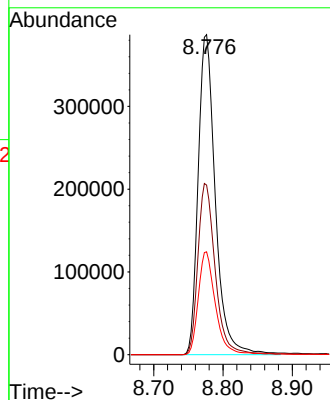
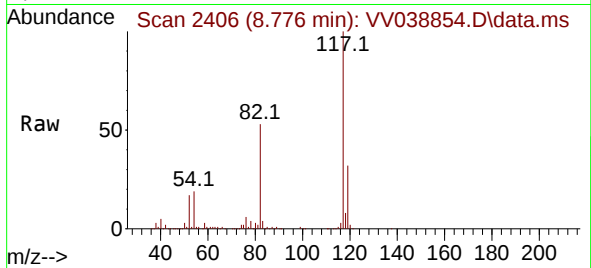




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

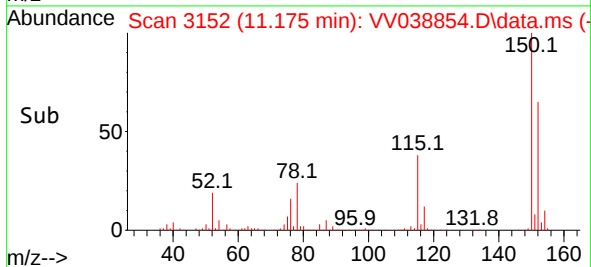
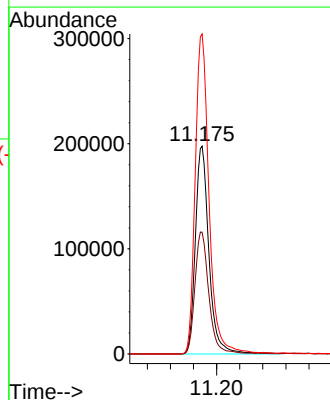
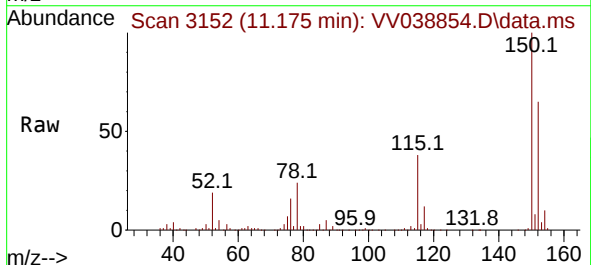
Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

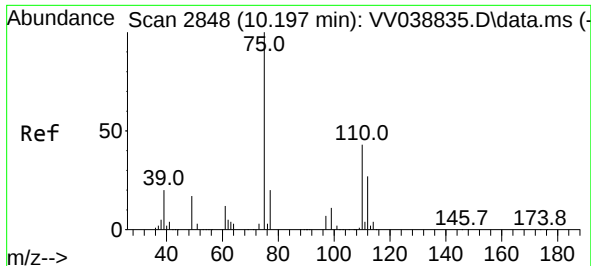
Tgt Ion:117 Resp: 668900
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion:152 Resp: 323075
Ion Ratio Lower Upper
152 100
115 60.1 42.0 126.0
150 156.3 0.0 343.6

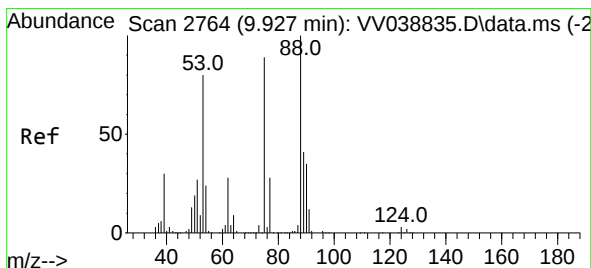
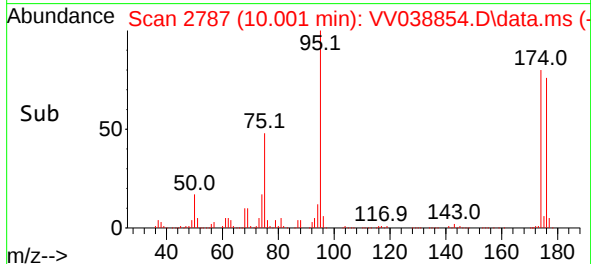
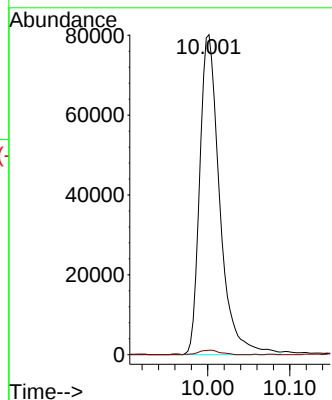
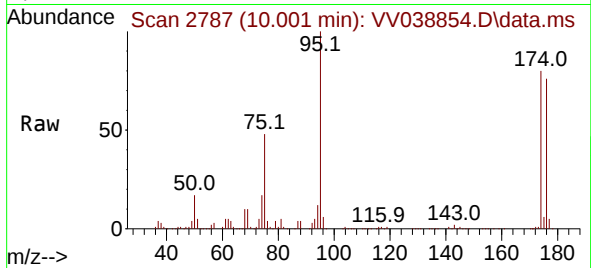




#76
1,2,3-Trichloropropane
Concen: 27.151 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.196 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL03

Tgt Ion: 75 Resp: 135722
Ion Ratio Lower Upper
75 100
77 1.5 11.7 35.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.795 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV038854.D
Acq: 03 Jul 2025 11:55

Tgt Ion: 75 Resp: 135722
Ion Ratio Lower Upper
75 100
53 0.3 71.2 106.8#
89 0.0 44.6 66.8#

