

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038994.D
 Acq On : 21 Aug 2025 20:23
 Operator : SY/MD
 Sample : Q2925-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 04:37:51 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)

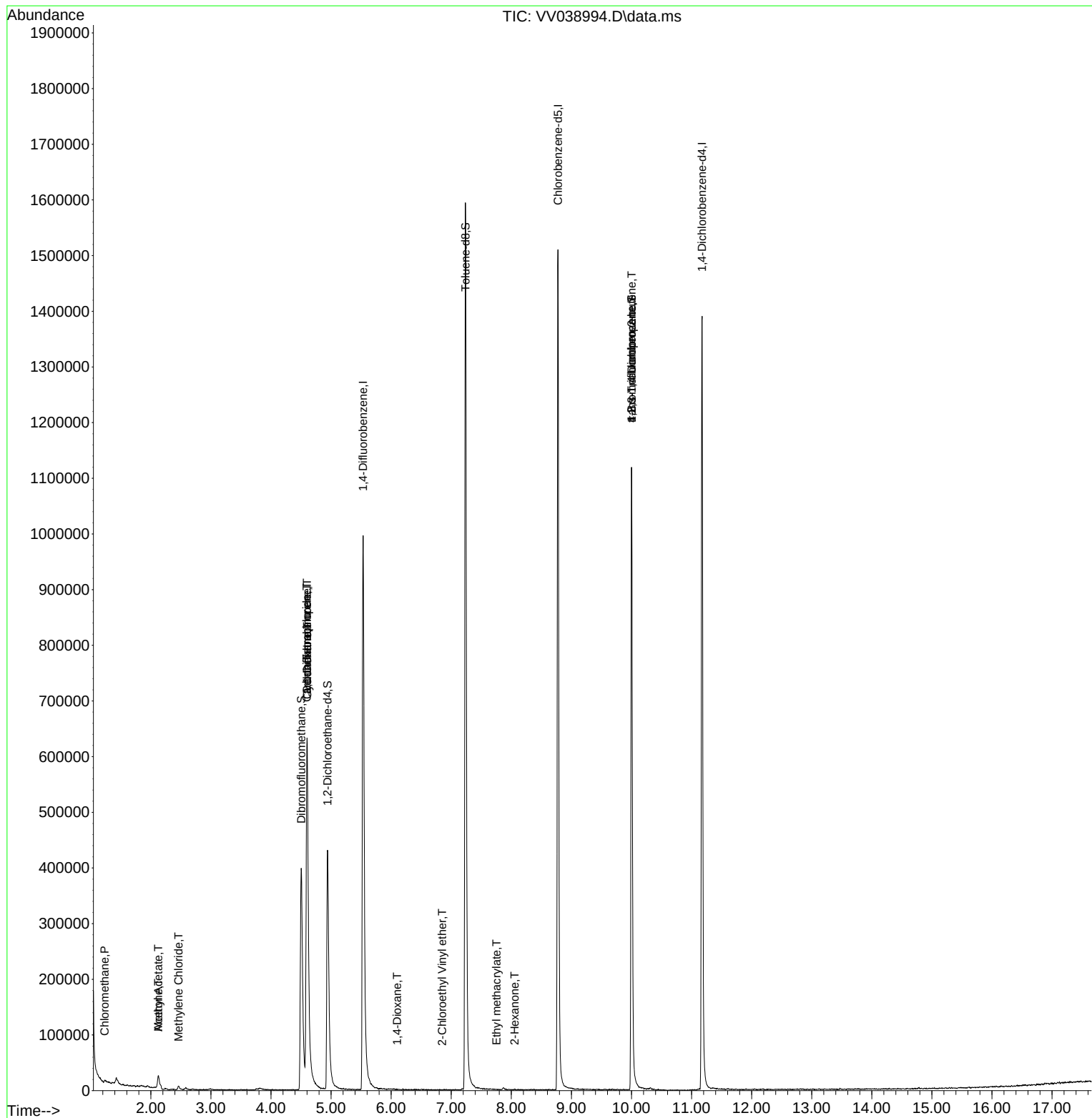
Internal Standards						
1) Pentafluorobenzene	4.600	168	540888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	977190	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	853316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	375523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	390573	51.462	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 102.920%	
35) Dibromofluoromethane	4.503	113	338011	46.123	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 92.240%	
50) Toluene-d8	7.236	98	1131202	44.266	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 88.540%#	
62) 4-Bromofluorobenzene	10.001	95	378000	40.434	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 80.860%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	1758	0.210	ug/l	93
13) Acrolein	2.024	56	21	Below Cal	#	1
16) Acetone	2.124	43	22868	7.507	ug/l #	87
18) Methyl Acetate	2.124	43	22868	3.542	ug/l #	46
20) Methylene Chloride	2.461	84	2425	0.343	ug/l #	79
28) Bromochloromethane	4.259	49	20	Below Cal	#	3
31) Cyclohexane	4.603	56	11233	1.056	ug/l #	15
36) 1,1-Dichloropropene	4.600	75	44374	4.662	ug/l #	45
38) Carbon Tetrachloride	4.596	117	57166	4.485	ug/l #	16
49) 1,4-Dioxane	6.098	88	64	0.602	ug/l #	1
56) Ethyl methacrylate	7.754	69	20	2.317	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.850	63	20	4.988	ug/l #	43
59) 2-Hexanone	8.056	43	101	10.907	ug/l	83
76) 1,2,3-Trichloropropane	10.001	75	190945	27.413	ug/l #	57
81) trans-1,4-Dichloro-2-b...	10.001	75	190945	62.937	ug/l #	14

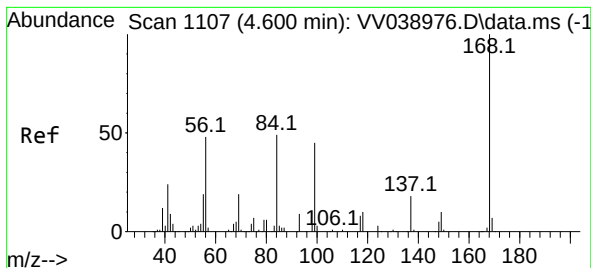
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
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Quant Time: Aug 22 04:37:51 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038994.D

Acq: 21 Aug 2025 20:23

Instrument :

MSVOA_V

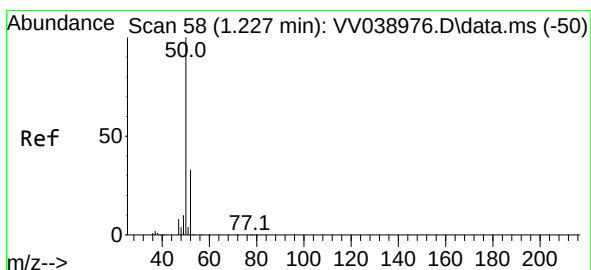
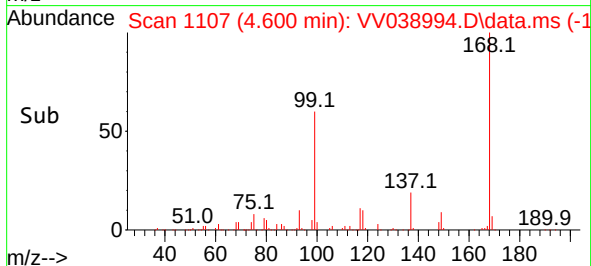
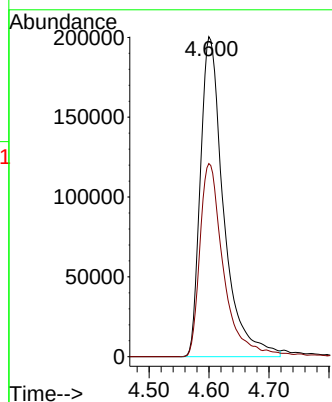
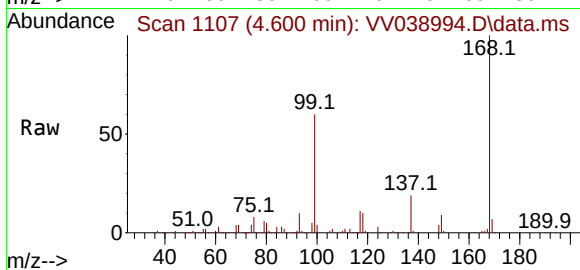
ClientSampleId :

Tgt Ion:168 Resp: 540888

Ion Ratio Lower Upper

168 100

99 60.3 47.0 70.6



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.230 min Scan# 59

Delta R.T. 0.003 min

Lab File: VV038994.D

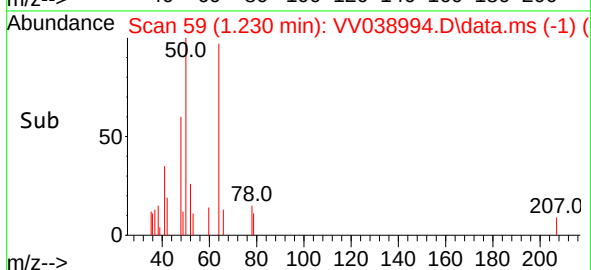
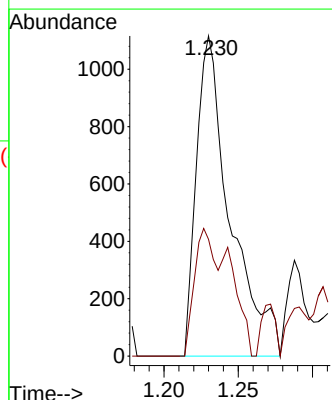
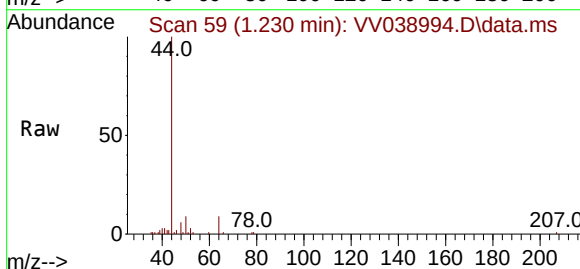
Acq: 21 Aug 2025 20:23

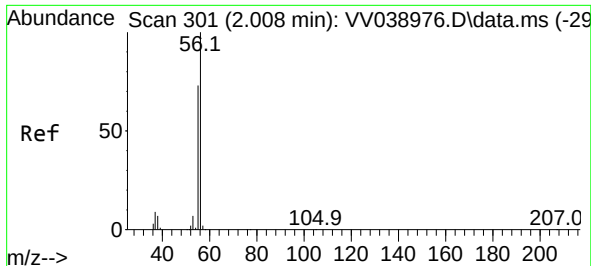
Tgt Ion: 50 Resp: 1758

Ion Ratio Lower Upper

50 100

52 36.5 26.2 39.2

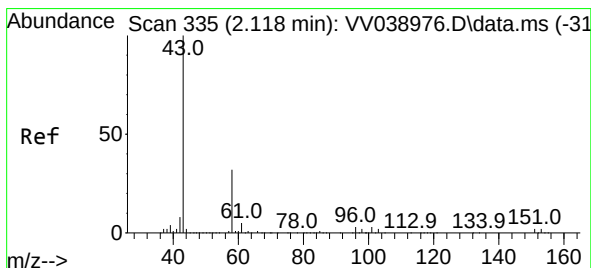
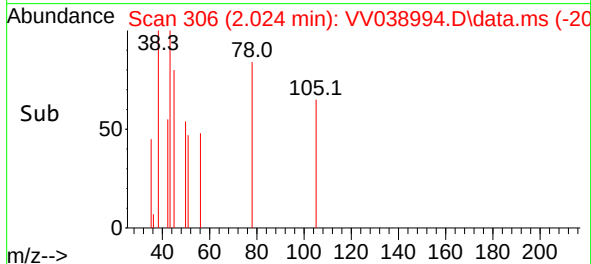
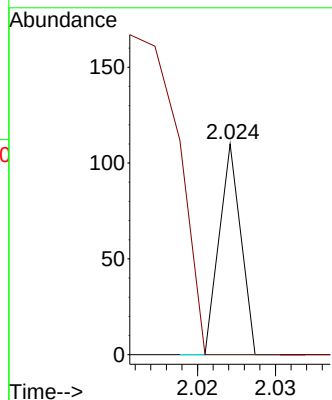
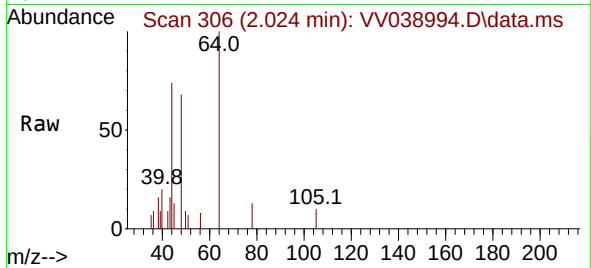




#13
Acrolein
Concen: Below Cal
RT: 2.024 min Scan# 301
Delta R.T. 0.016 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

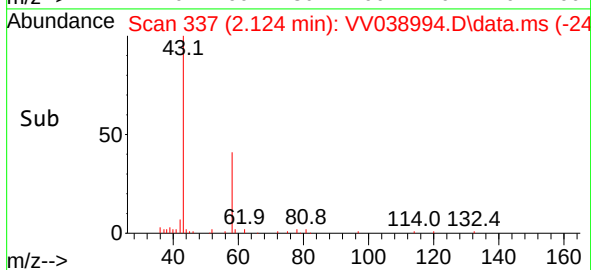
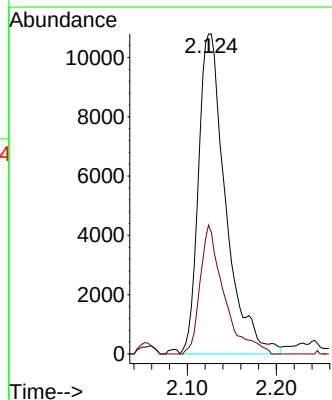
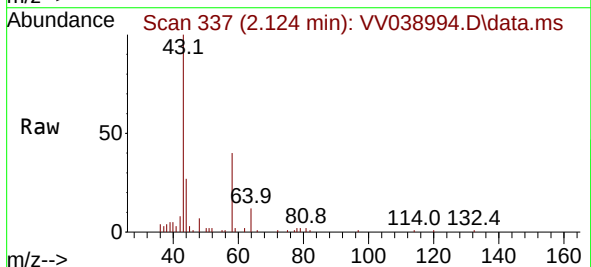
Instrument :
MSVOA_V
ClientSampleId :

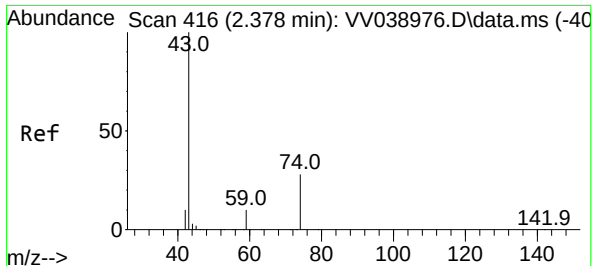
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 514.3 58.8 88.2#



#16
Acetone
Concen: 7.507 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Tgt Ion: 43 Resp: 22868
Ion Ratio Lower Upper
43 100
58 40.3 26.3 39.5#

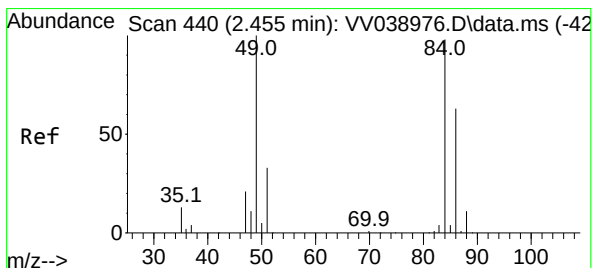
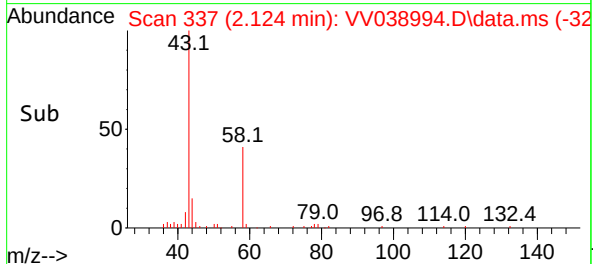
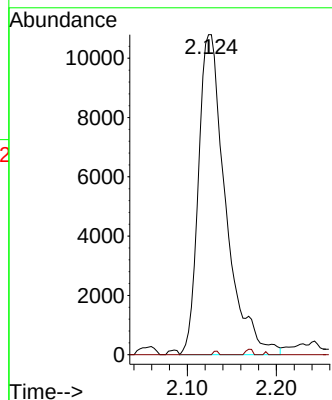
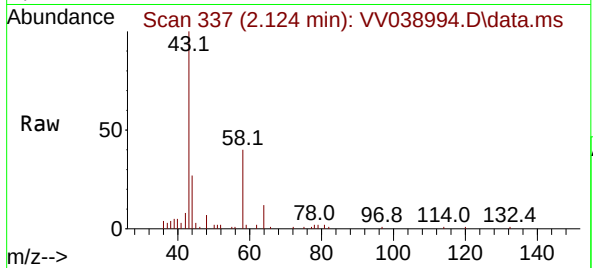




#18
Methyl Acetate
Concen: 3.542 ug/l
RT: 2.124 min Scan# 31
Delta R.T. -0.254 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

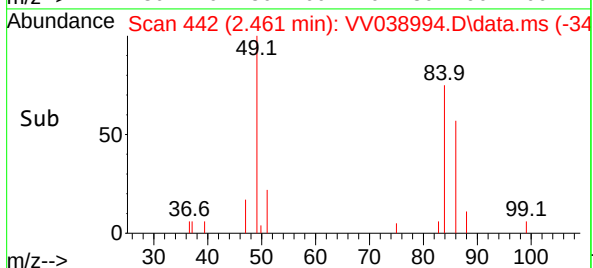
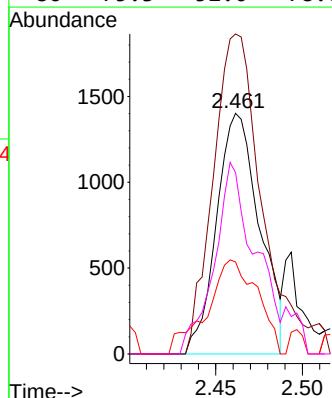
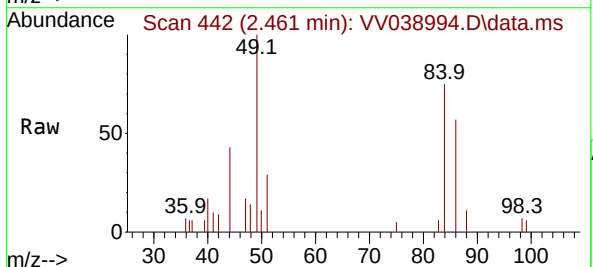
Instrument :
MSVOA_V
ClientSampleId :

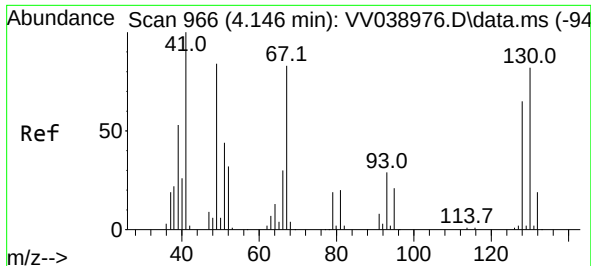
Tgt Ion: 43 Resp: 22868
Ion Ratio Lower Upper
43 100
74 0.2 23.5 35.3#



#20
Methylene Chloride
Concen: 0.343 ug/l
RT: 2.461 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

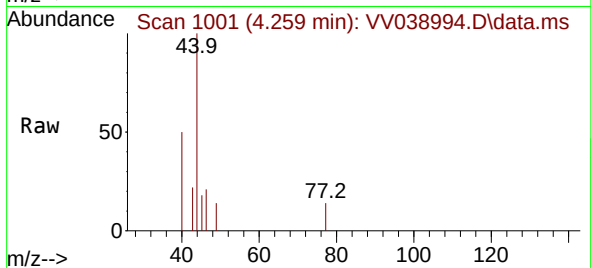
Tgt Ion: 84 Resp: 2425
Ion Ratio Lower Upper
84 100
49 133.0 81.9 122.9#
51 38.2 26.9 40.3
86 75.3 52.0 78.0



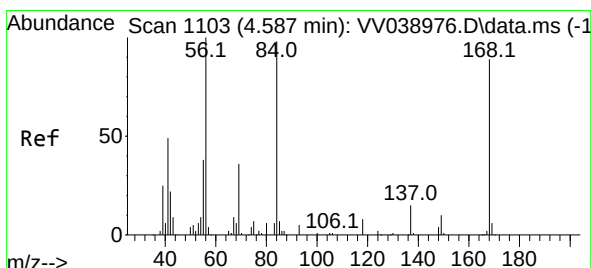
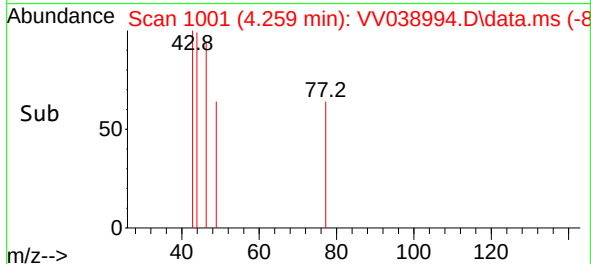
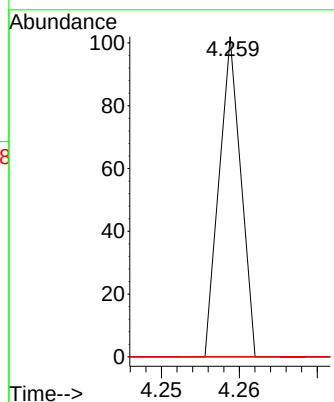


#28
Bromochloromethane
Concen: Below Cal
RT: 4.259 min Scan# 1001
Delta R.T. 0.113 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Instrument :
MSVOA_V
ClientSampleId :

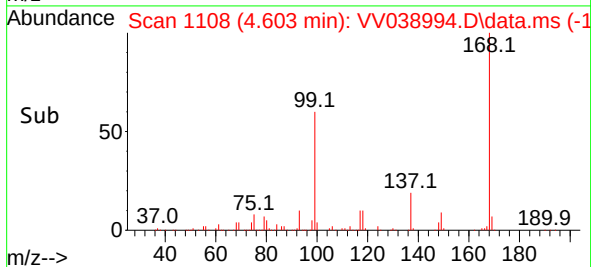
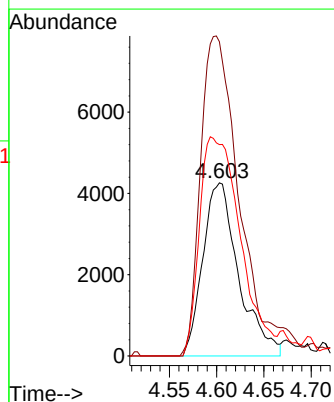
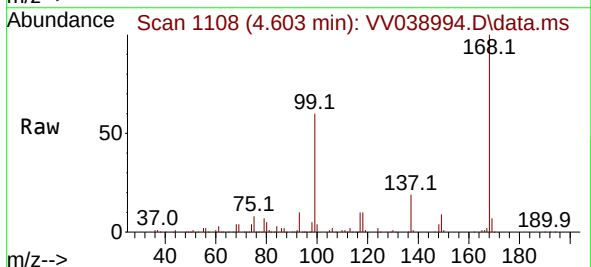


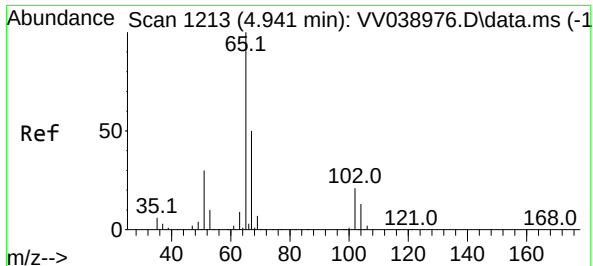
Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 0.0 78.2 117.2#



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.016 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Tgt Ion: 56 Resp: 11233
Ion Ratio Lower Upper
56 100
69 181.4 28.6 42.8#
84 122.0 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 51.462 ug/l

RT: 4.940 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038994.D

Acq: 21 Aug 2025 20:23

Instrument :

MSVOA_V

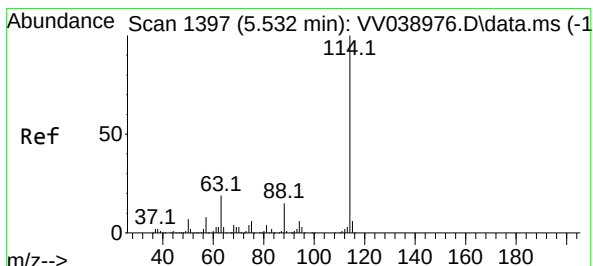
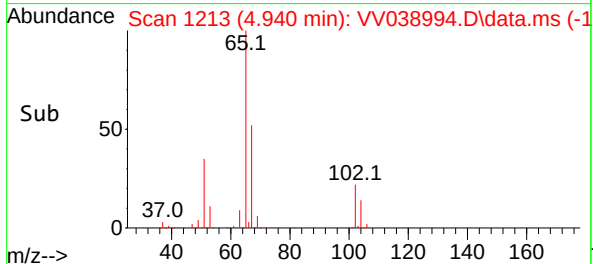
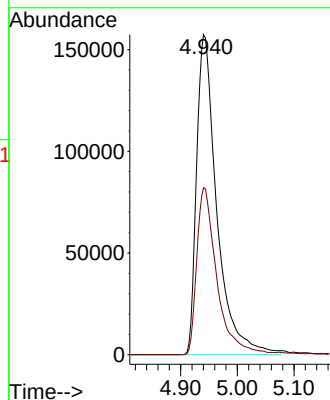
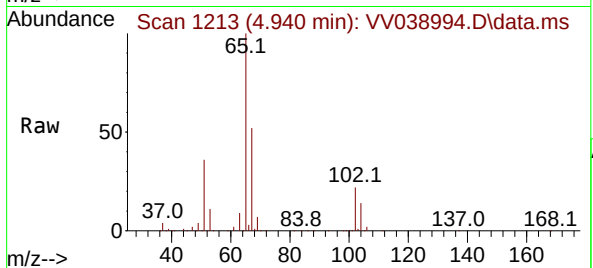
ClientSampleId :

Tgt Ion: 65 Resp: 390573

Ion Ratio Lower Upper

65 100

67 51.4 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: VV038994.D

Acq: 21 Aug 2025 20:23

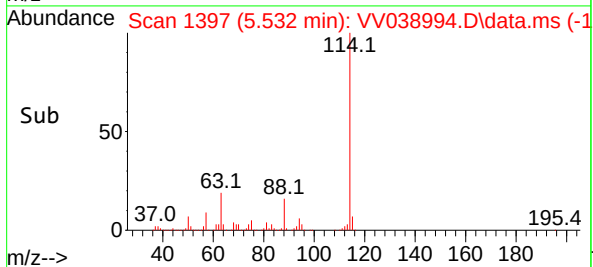
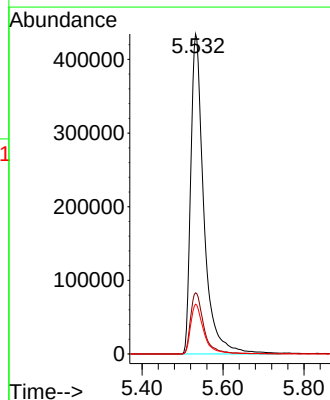
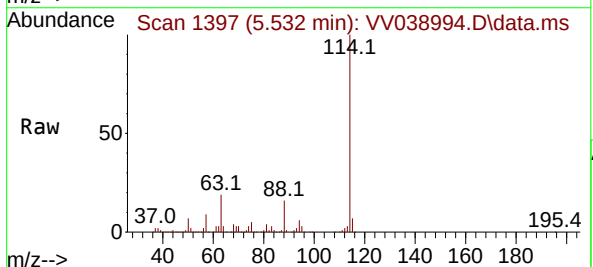
Tgt Ion: 114 Resp: 977190

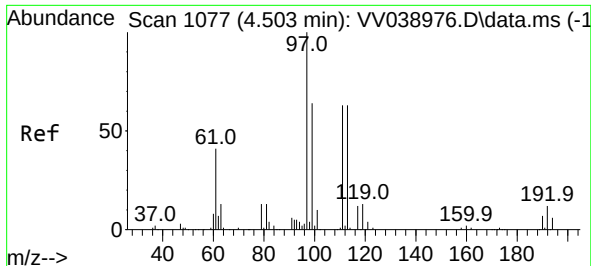
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 15.5 0.0 30.4

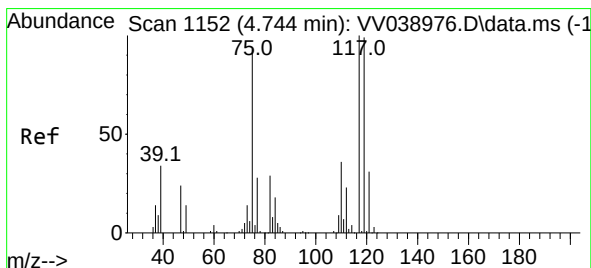
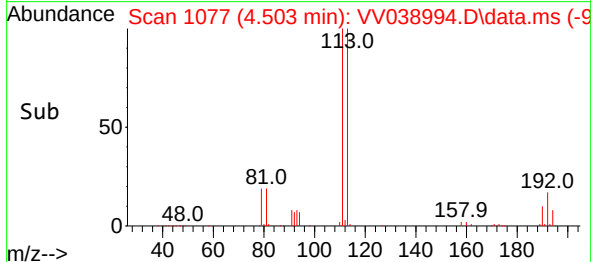
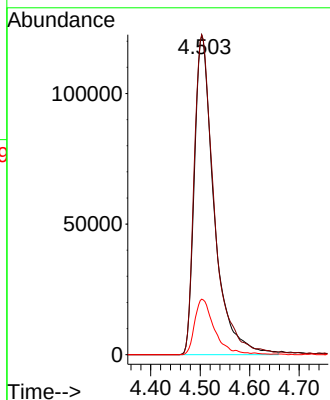
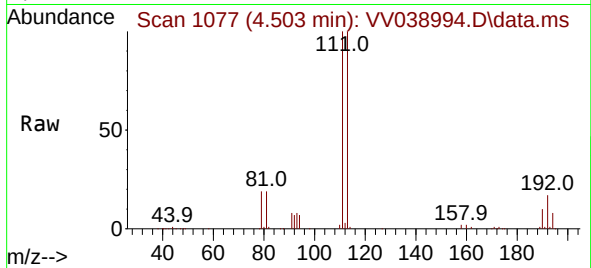




#35
 Dibromofluoromethane
 Concen: 46.123 ug/l
 RT: 4.503 min Scan# 1107
 Delta R.T. -0.000 min
 Lab File: VV038994.D
 Acq: 21 Aug 2025 20:23

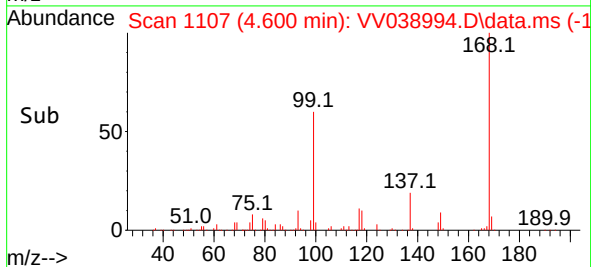
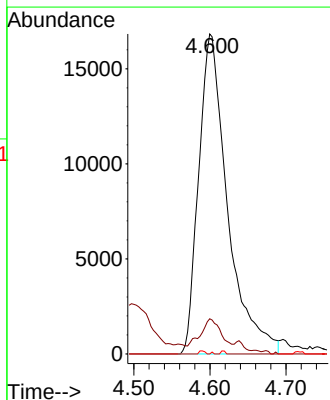
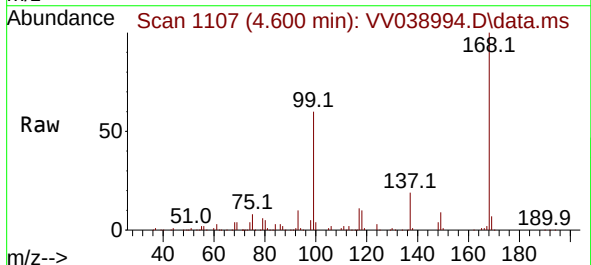
Instrument :
 MSVOA_V
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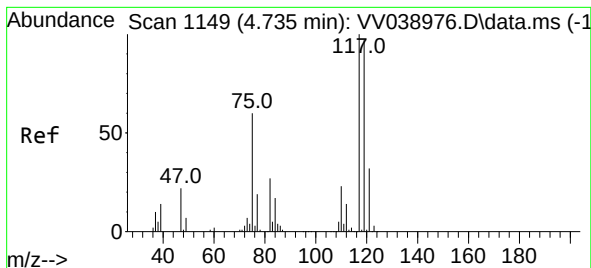
Tgt Ion:113 Resp: 338011
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.3 121.9
 192 16.7 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.662 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.145 min
 Lab File: VV038994.D
 Acq: 21 Aug 2025 20:23

Tgt Ion: 75 Resp: 44374
 Ion Ratio Lower Upper
 75 100
 110 6.0 19.6 58.7#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.485 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.139 min

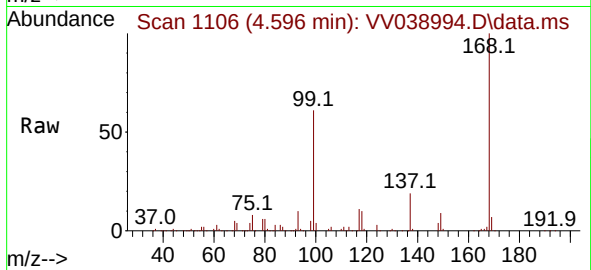
Lab File: VV038994.D

Acq: 21 Aug 2025 20:23

Instrument :

MSVOA_V

ClientSampleId :



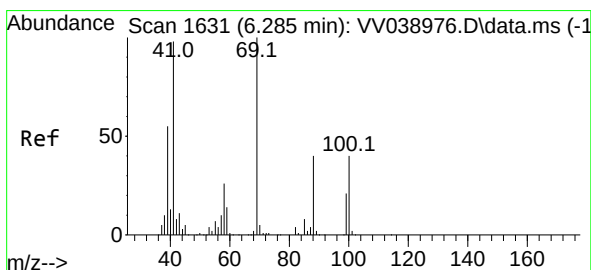
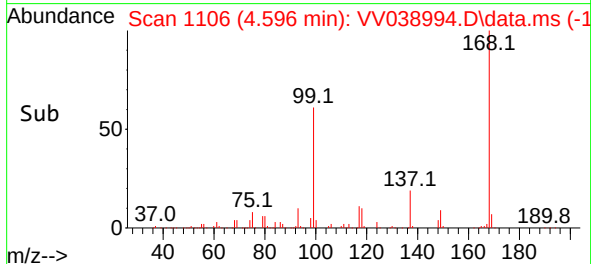
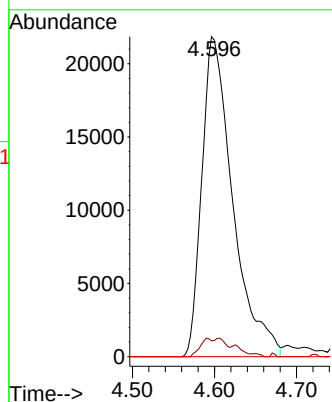
Tgt Ion:117 Resp: 57166

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

121 0.0 25.4 38.2#



#49

1,4-Dioxane

Concen: 0.602 ug/l

RT: 6.098 min Scan# 1573

Delta R.T. -0.187 min

Lab File: VV038994.D

Acq: 21 Aug 2025 20:23

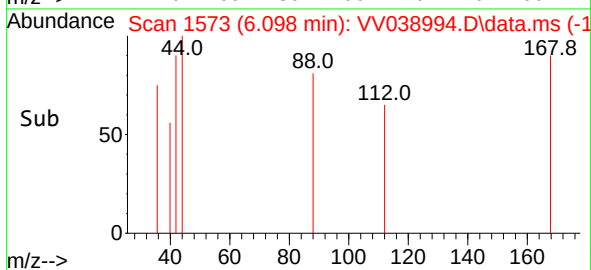
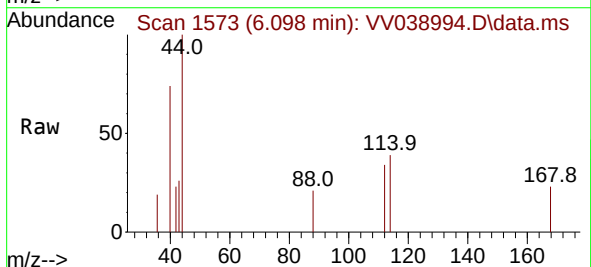
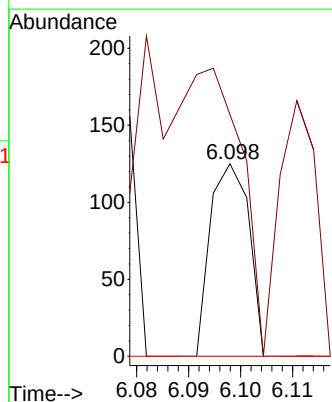
Tgt Ion: 88 Resp: 64

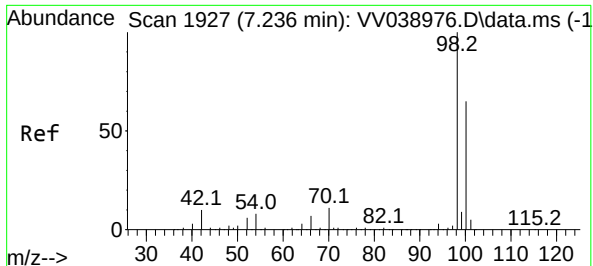
Ion Ratio Lower Upper

88 100

43 126.6 24.6 36.8#

58 0.0 51.8 77.6#

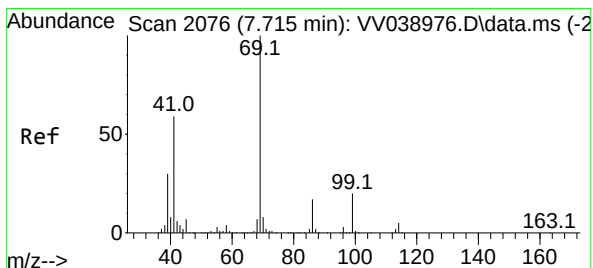
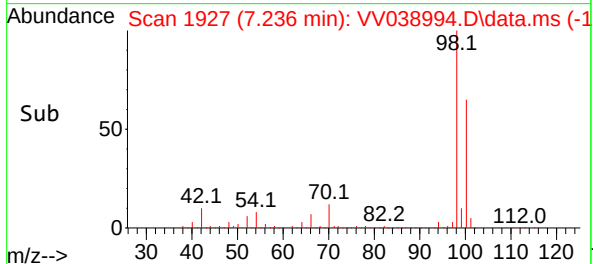
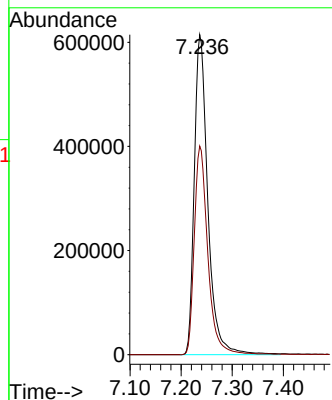
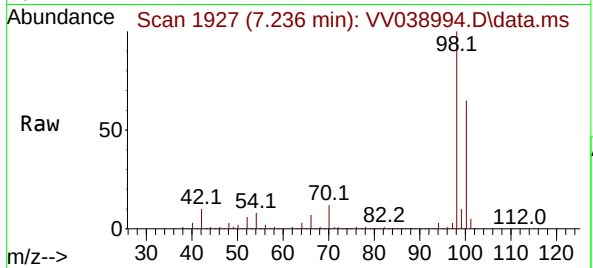




#50
Toluene-d8
Concen: 44.266 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

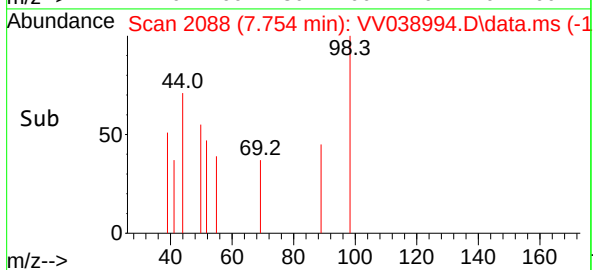
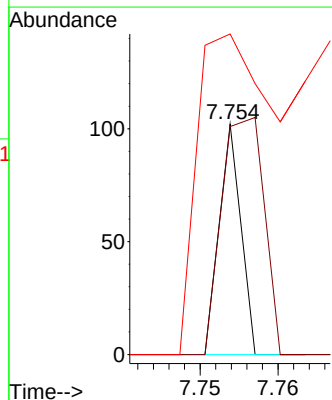
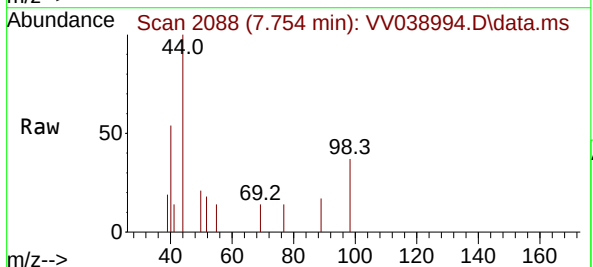
Instrument :
MSVOA_V
ClientSampleId :

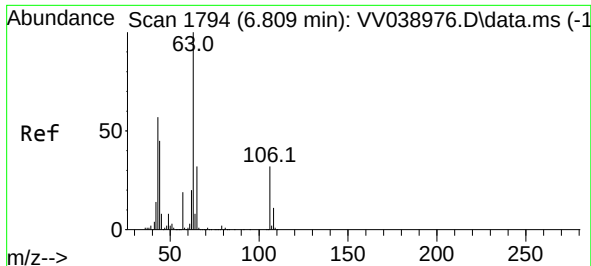
Tgt Ion: 98 Resp: 1131202
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#56
Ethyl methacrylate
Concen: 2.317 ug/l
RT: 7.754 min Scan# 2088
Delta R.T. 0.039 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 200.0 47.5 71.3#
39 485.0 24.2 36.2#

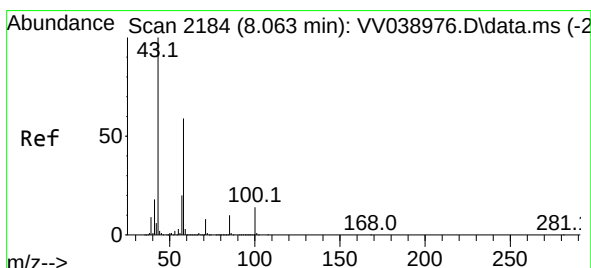
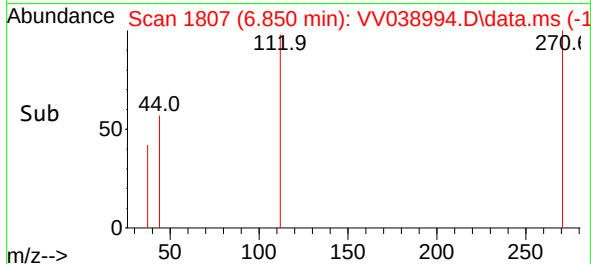
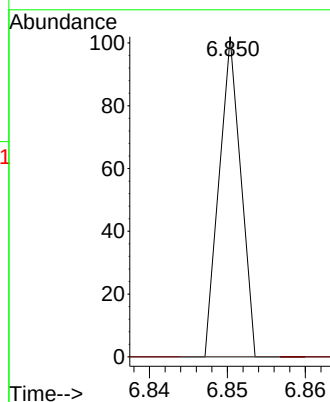
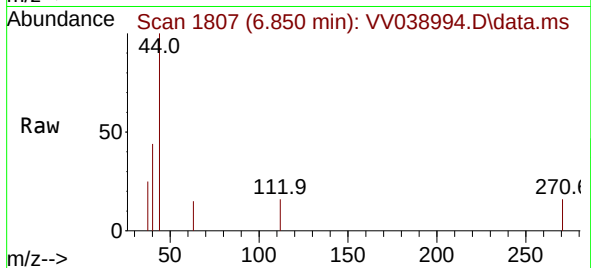




#58
2-Chloroethyl Vinyl ether
Concen: 4.988 ug/l
RT: 6.850 min Scan# 1807
Delta R.T. 0.041 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

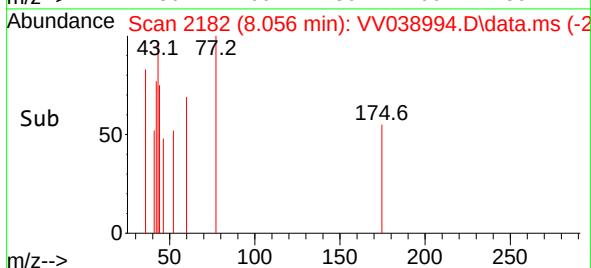
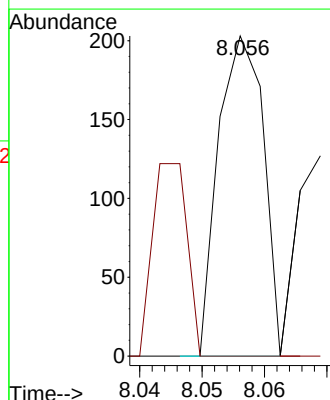
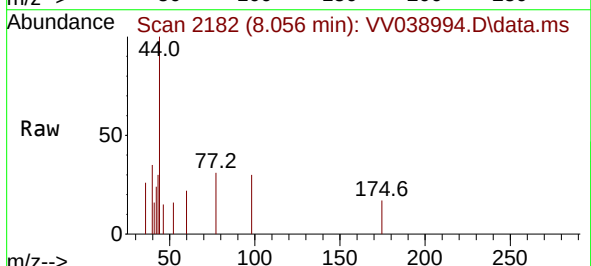
Instrument :
MSVOA_V
ClientSampleId :

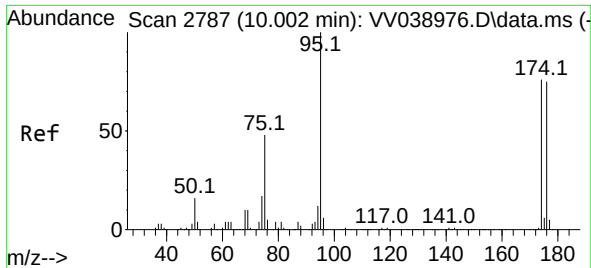
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 10.907 ug/l
RT: 8.056 min Scan# 2182
Delta R.T. -0.007 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
58 46.5 29.8 89.4

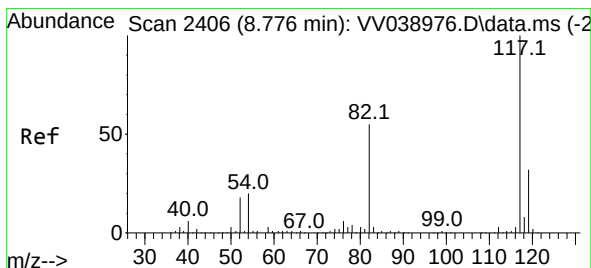
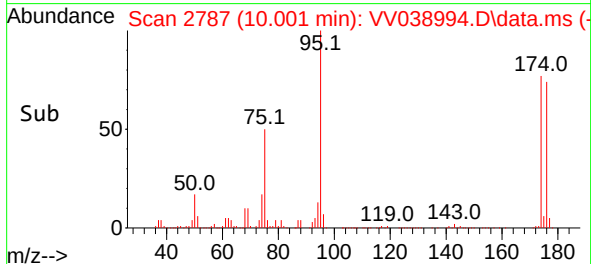
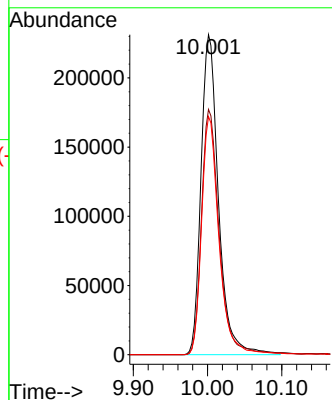
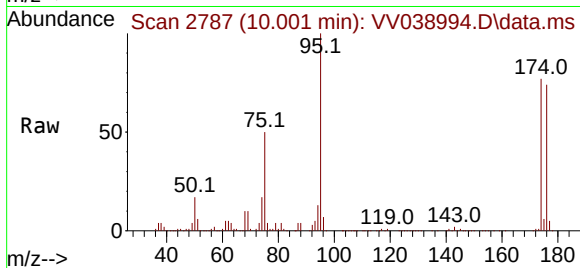




#62
4-Bromofluorobenzene
Concen: 40.434 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

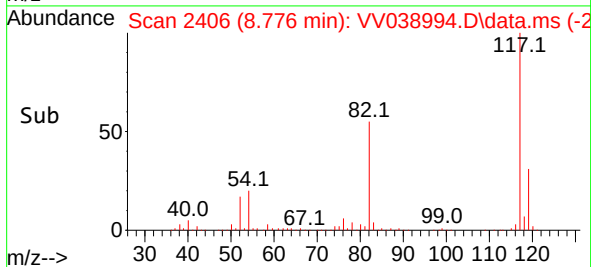
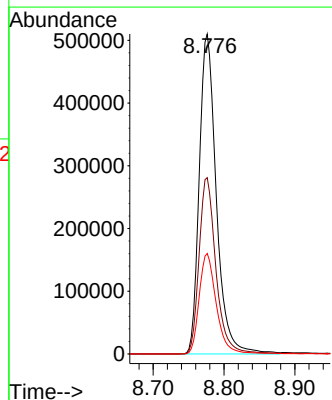
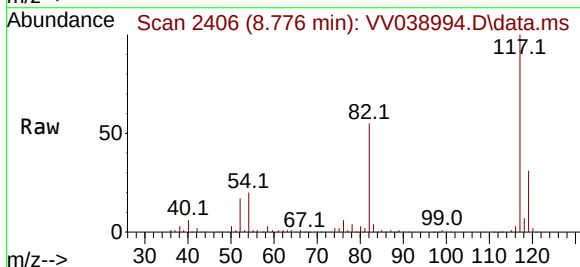
Instrument :
MSVOA_V
ClientSampleId :

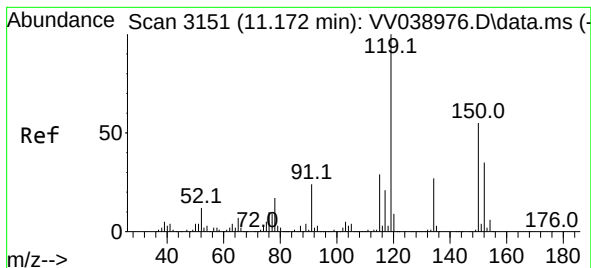
Tgt Ion: 95 Resp: 378000
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.4
176 74.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Tgt Ion: 117 Resp: 853316
Ion Ratio Lower Upper
117 100
82 55.1 44.4 66.6
119 31.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV038994.D

Acq: 21 Aug 2025 20:23

Instrument :

MSVOA_V

ClientSampleId :

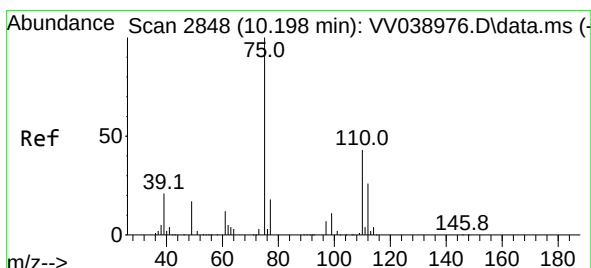
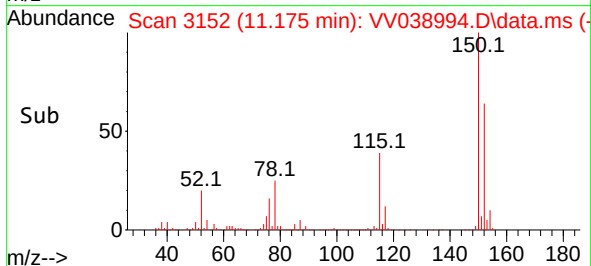
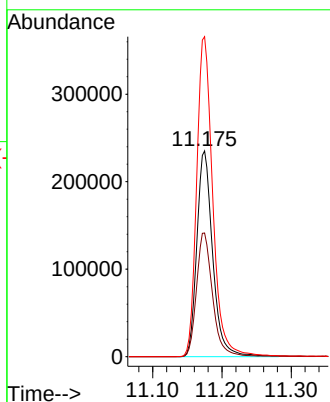
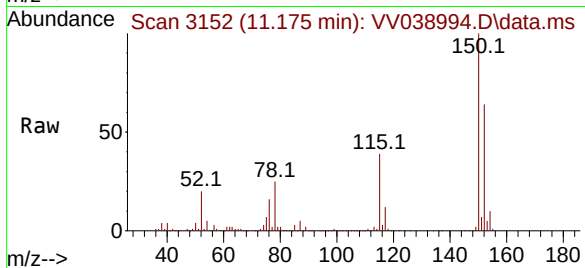
Tgt Ion:152 Resp: 375523

Ion Ratio Lower Upper

152 100

115 61.1 42.5 127.5

150 157.8 0.0 344.8



#76

1,2,3-Trichloropropane

Concen: 27.413 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.196 min

Lab File: VV038994.D

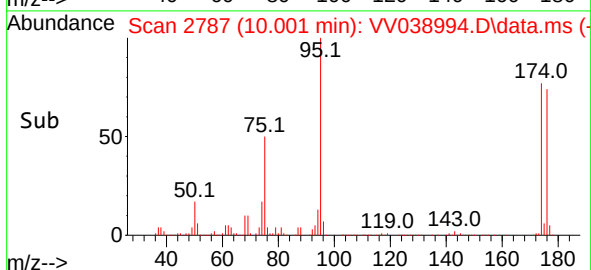
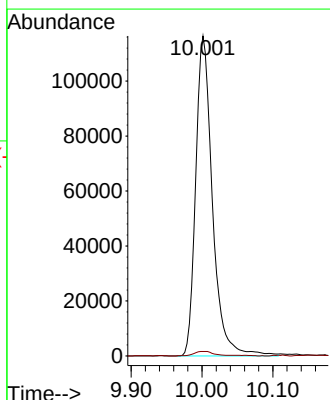
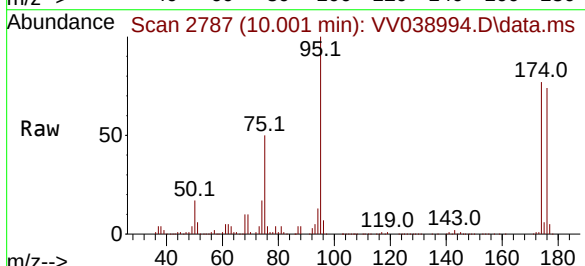
Acq: 21 Aug 2025 20:23

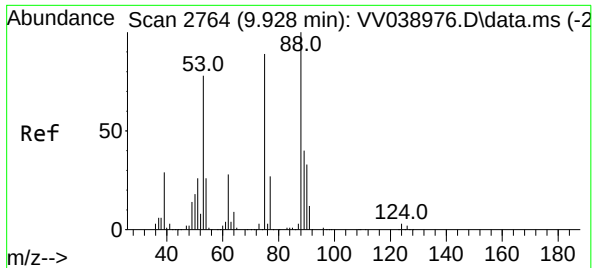
Tgt Ion: 75 Resp: 190945

Ion Ratio Lower Upper

75 100

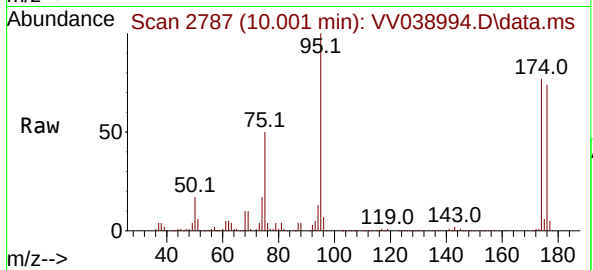
77 1.7 11.3 33.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.937 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV038994.D
Acq: 21 Aug 2025 20:23

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 190945
Ion Ratio Lower Upper
75 100
53 0.2 70.3 105.5#
89 0.0 37.9 56.9#

