

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039308.D
 Acq On : 04 Nov 2025 12:21
 Operator : SY/MD
 Sample : VV1104WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 00:32:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

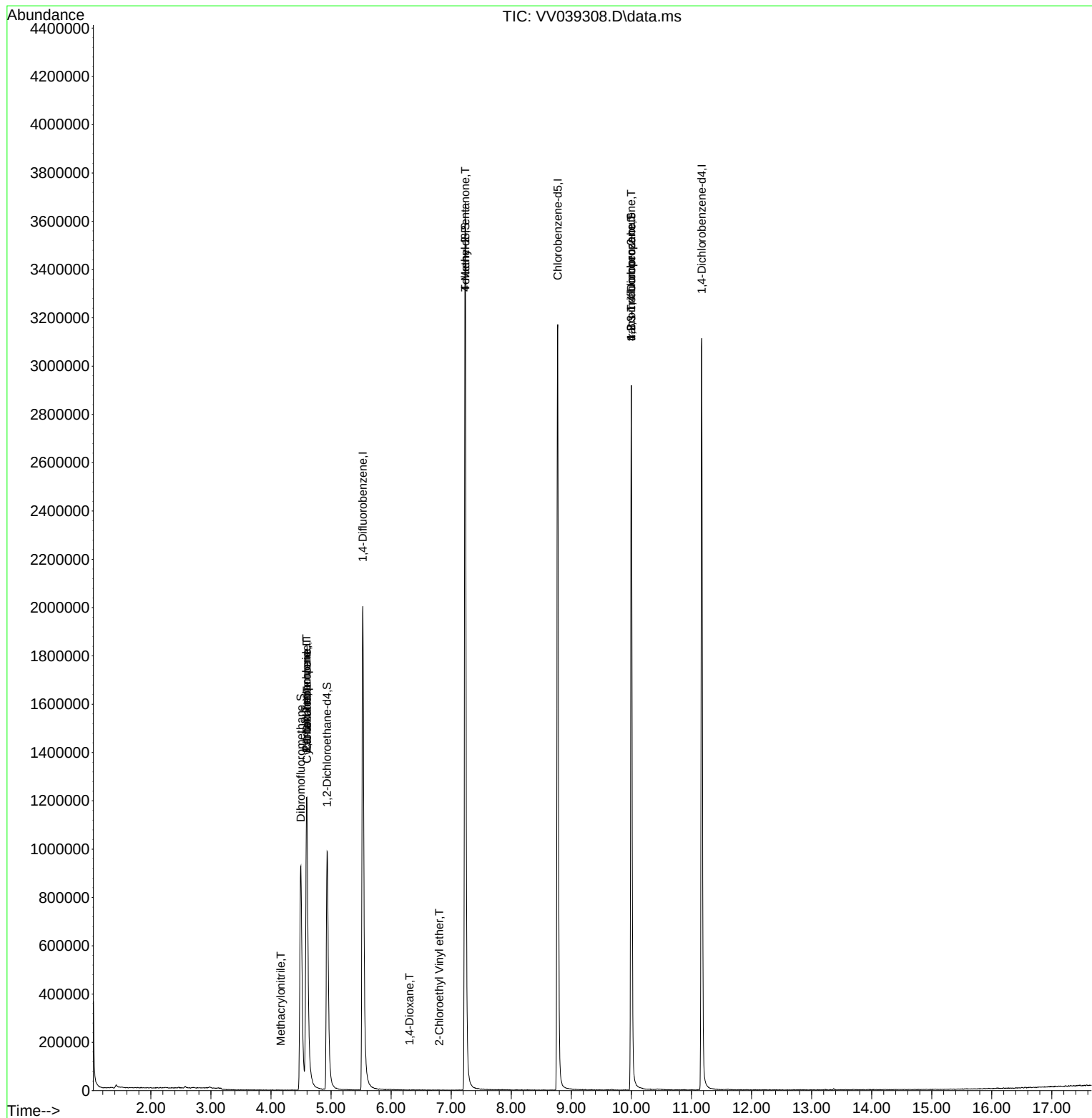
Internal Standards						
1) Pentafluorobenzene	4.597	168	1064589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1972523	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1793346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	828938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	878179	58.053	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 116.100%			
35) Dibromofluoromethane	4.497	113	782028	50.317	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.640%			
50) Toluene-d8	7.233	98	2570057	48.608	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 97.220%			
62) 4-Bromofluorobenzene	9.998	95	975805	51.821	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 103.640%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.542	64	151	Below Cal	#	43
13) Acrolein	2.002	56	220	Below Cal	#	82
16) Acetone	2.127	43	604	Below Cal	#	75
20) Methylene Chloride	2.458	84	1196	Below Cal	#	81
31) Cyclohexane	4.600	56	20960	1.051	ug/l #	1
36) 1,1-Dichloropropene	4.597	75	86271	4.419	ug/l #	47
38) Carbon Tetrachloride	4.593	117	108894	4.579	ug/l #	17
41) Methacrylonitrile	4.166	41	21	1.693	ug/l #	1
49) 1,4-Dioxane	6.304	88	54	0.234	ug/l #	1
51) 4-Methyl-2-Pentanone	7.233	43	9339	0.450	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.802	63	82	8.474	ug/l #	45
76) 1,2,3-Trichloropropane	9.998	75	483028	29.195	ug/l #	54
81) trans-1,4-Dichloro-2-b...	9.998	75	483028	73.733	ug/l #	14

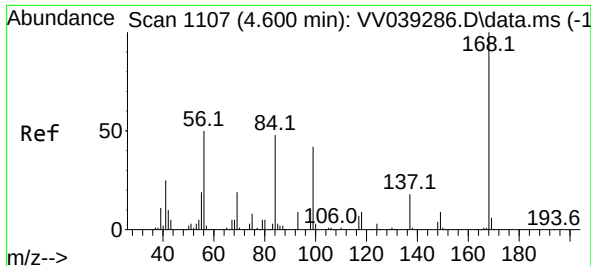
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
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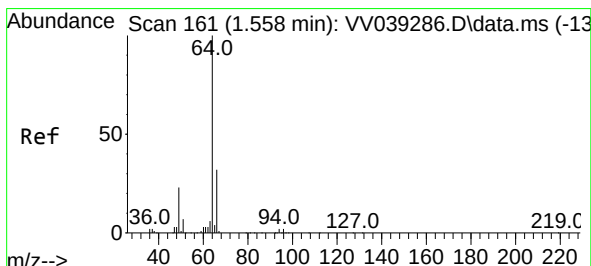
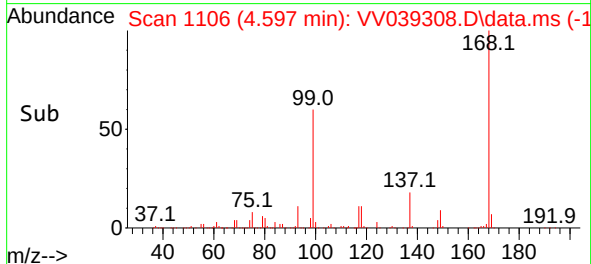
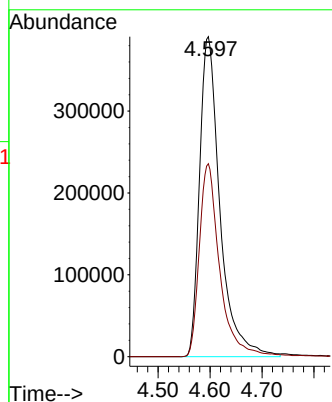
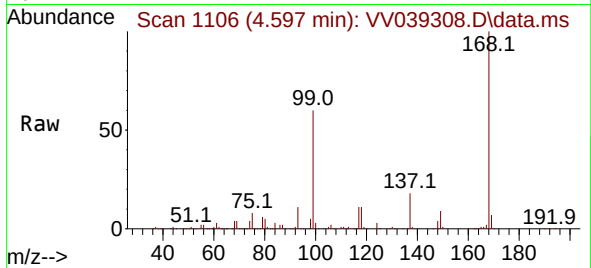




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

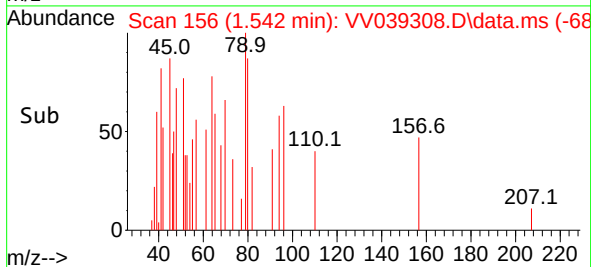
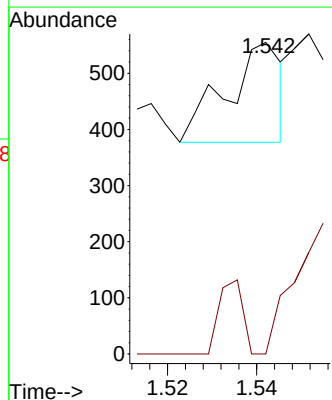
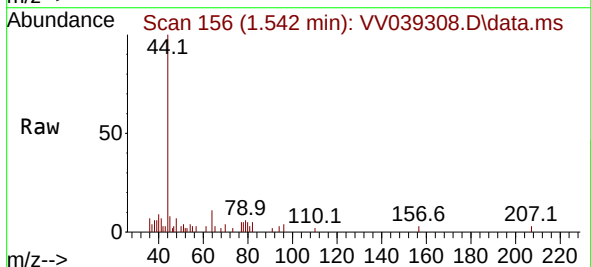
Instrument :
MSVOA_V
ClientSampleId :

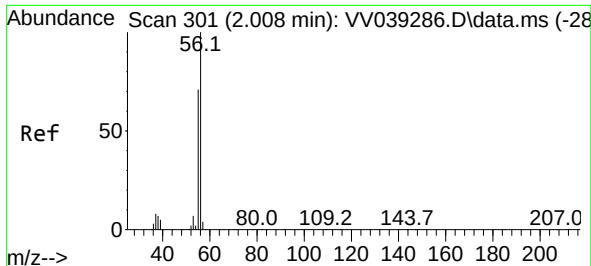
Tgt Ion:168 Resp: 1064589
Ion Ratio Lower Upper
168 100
99 60.3 46.6 70.0



#6
Chloroethane
Concen: Below Cal
RT: 1.542 min Scan# 156
Delta R.T. -0.016 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 64 Resp: 151
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#

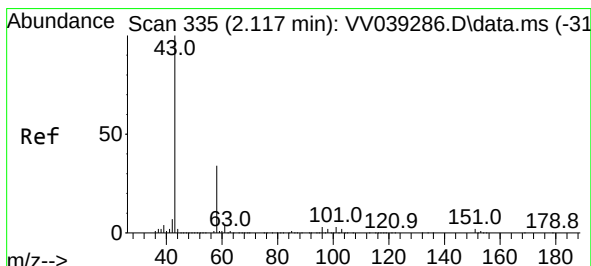
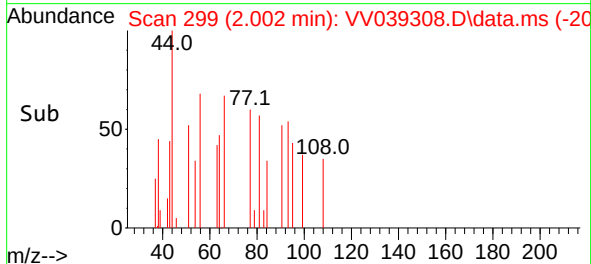
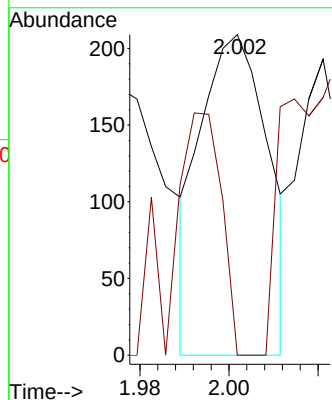
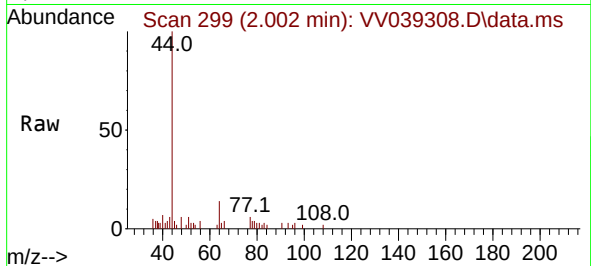




#13
Acrolein
Concen: Below Cal
RT: 2.002 min Scan# 24
Delta R.T. -0.006 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

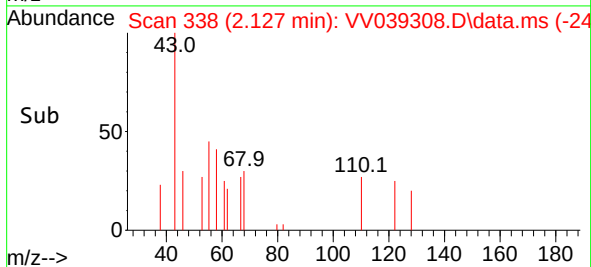
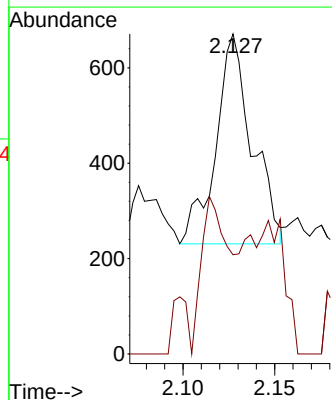
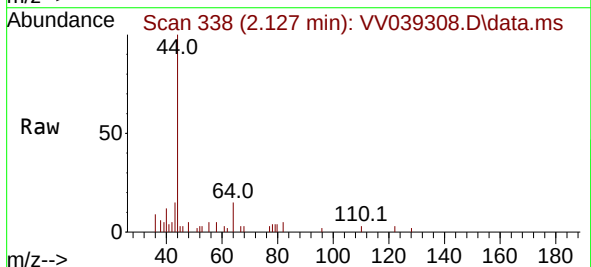
Instrument :
MSVOA_V
ClientSampleId :

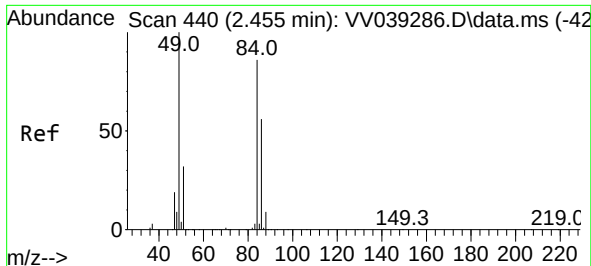
Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 55.5 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 338
Delta R.T. 0.010 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

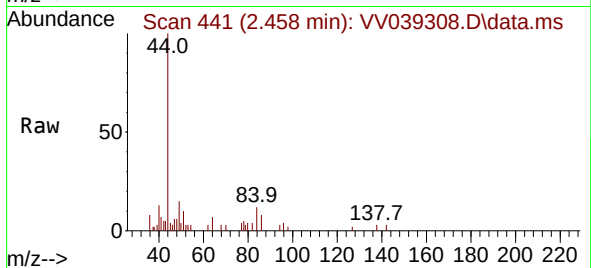
Tgt Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
58 20.0 27.5 41.3#



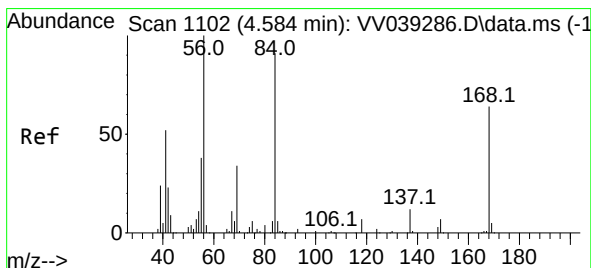
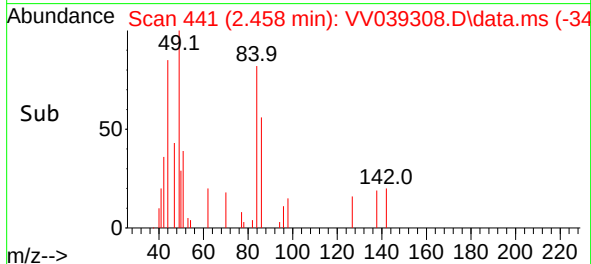
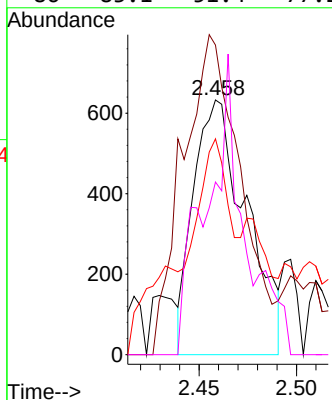


#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :

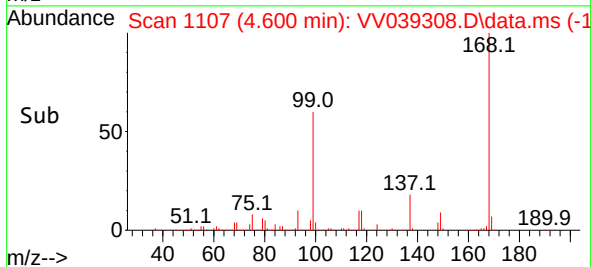
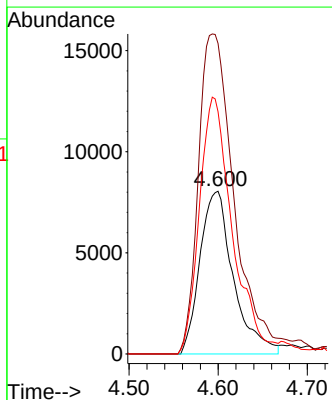
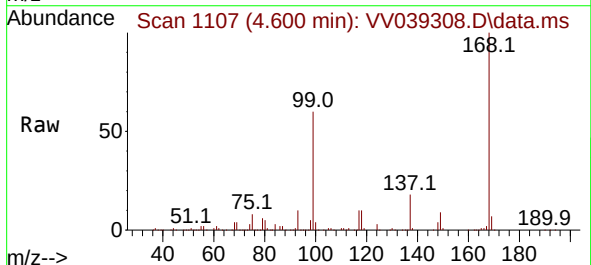


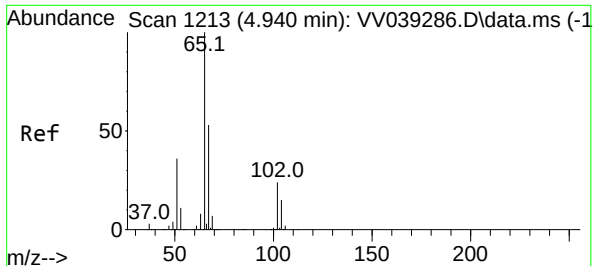
Tgt Ion:	84	Resp:	1196
Ion	Ratio	Lower	Upper
84	100		
49	123.1	92.6	139.0
51	67.2	29.6	44.4#
86	83.1	51.4	77.2#



#31
Cyclohexane
Concen: 1.051 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion:	56	Resp:	20960
Ion	Ratio	Lower	Upper
56	100		
69	190.8	27.4	41.0#
84	148.9	72.8	109.2#





#33

1,2-Dichloroethane-d4

Concen: 58.053 ug/l

RT: 4.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

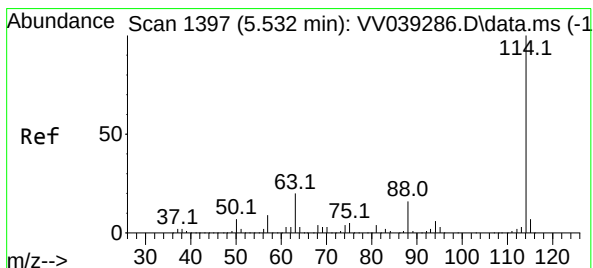
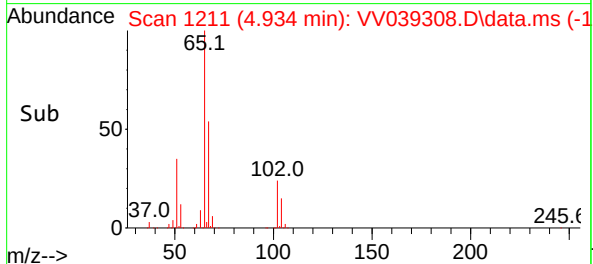
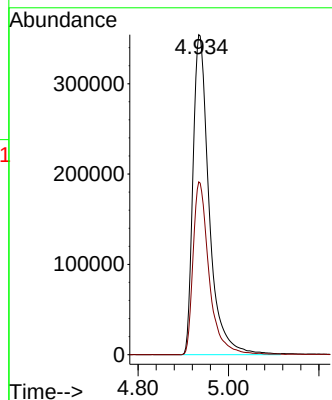
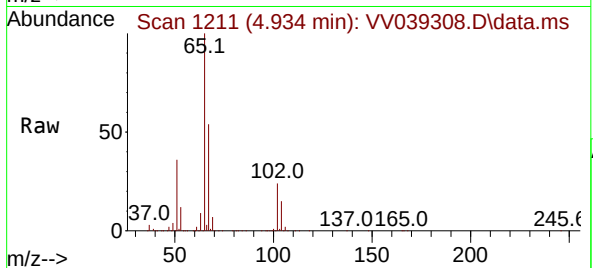
ClientSampleId :

Tgt Ion: 65 Resp: 878179

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

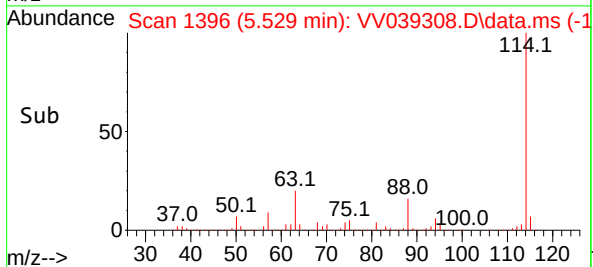
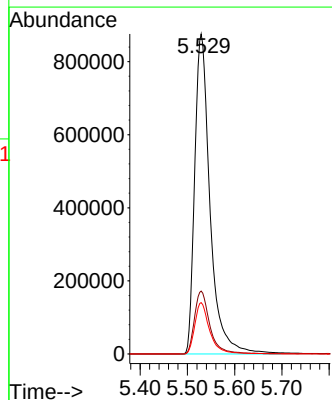
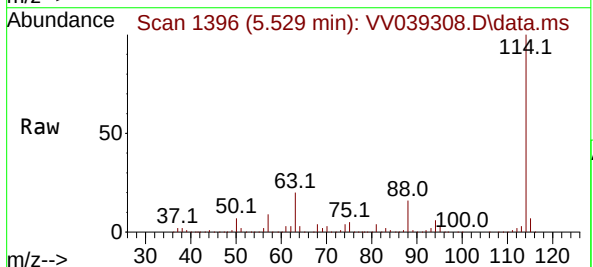
Tgt Ion: 114 Resp: 1972523

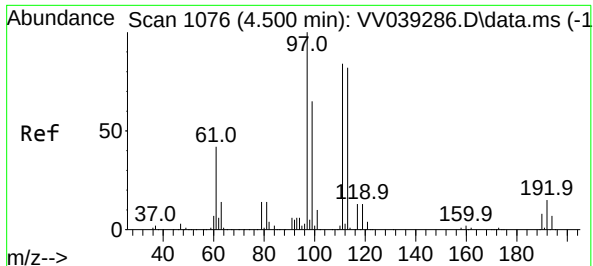
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.317 ug/l

RT: 4.497 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

ClientSampleId :

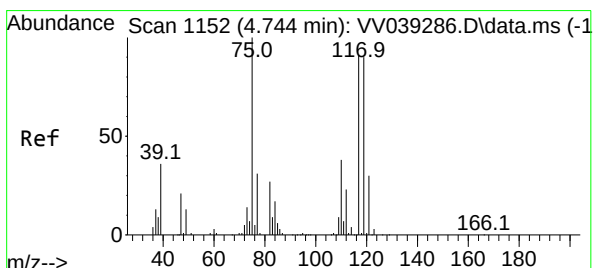
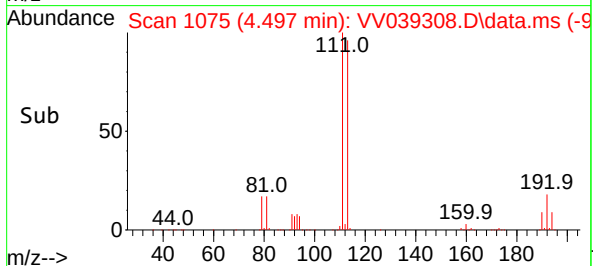
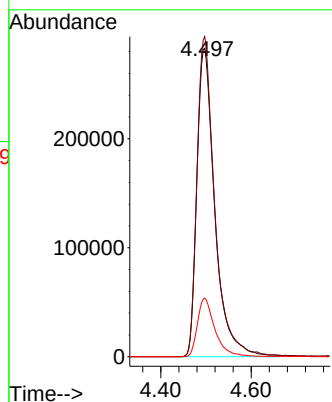
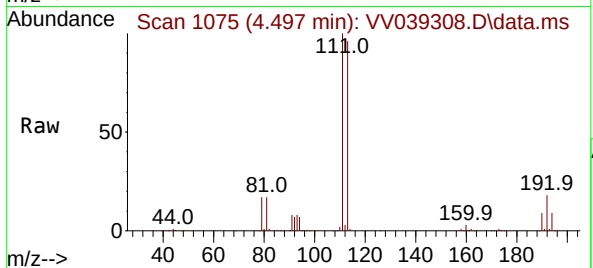
Tgt Ion:113 Resp: 782028

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 18.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.419 ug/l

RT: 4.597 min Scan# 1106

Delta R.T. -0.148 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

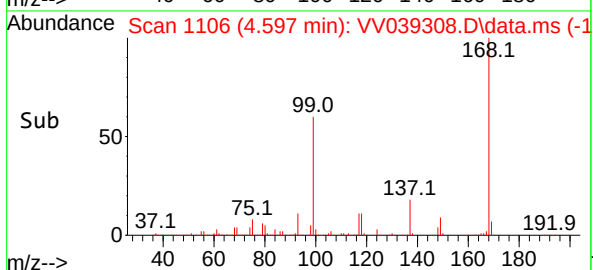
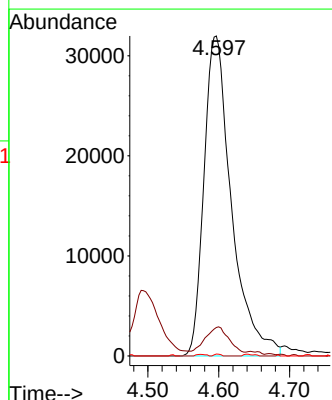
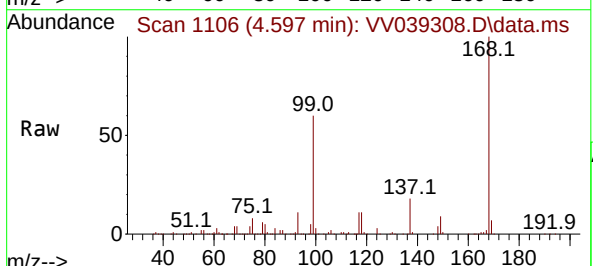
Tgt Ion: 75 Resp: 86271

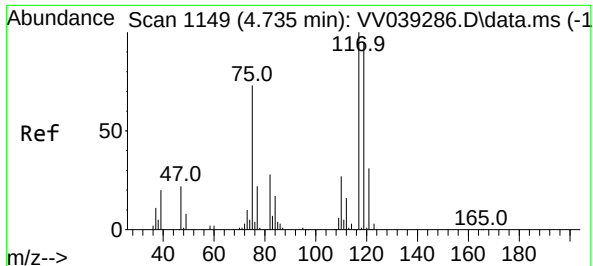
Ion Ratio Lower Upper

75 100

110 6.7 18.9 56.7#

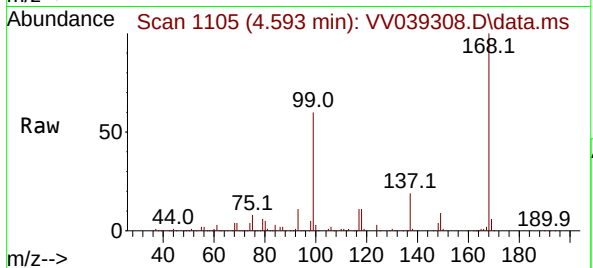
77 0.1 24.1 36.1#



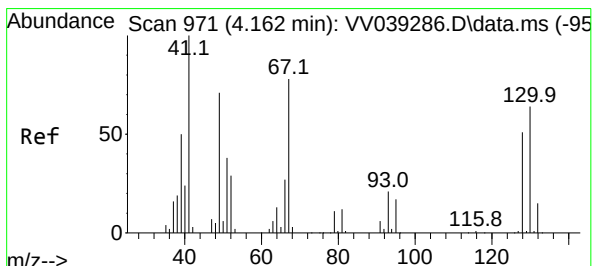
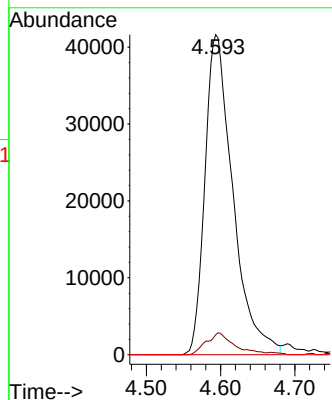
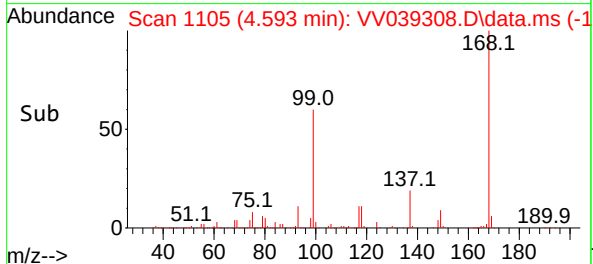


#38
Carbon Tetrachloride
Concen: 4.579 ug/l
RT: 4.593 min Scan# 1149
Delta R.T. -0.141 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
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ClientSampleId :

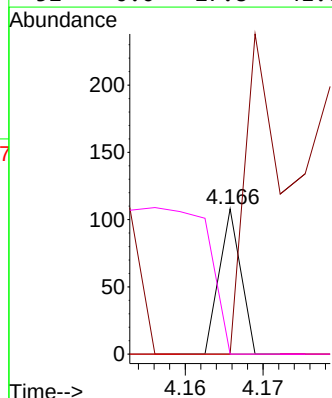
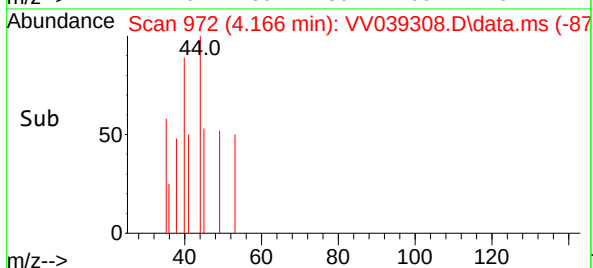
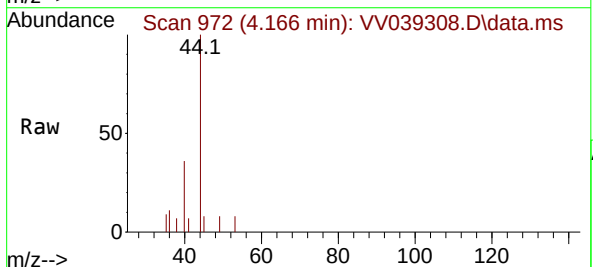


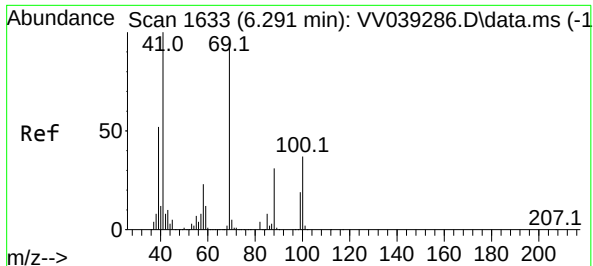
Tgt Ion:117 Resp: 108894
Ion Ratio Lower Upper
117 100
119 6.2 75.9 113.9#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.693 ug/l
RT: 4.166 min Scan# 972
Delta R.T. 0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 41 Resp: 21
Ion Ratio Lower Upper
41 100
39 1271.4 40.9 61.3#
67 0.0 73.1 109.7#
52 0.0 27.8 41.6#





#49

1,4-Dioxane

Concen: 0.234 ug/l

RT: 6.304 min Scan# 1

Delta R.T. 0.013 min

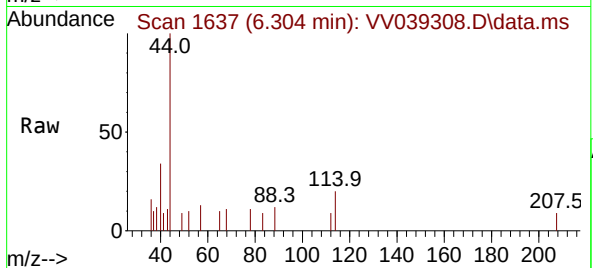
Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

ClientSampleId :



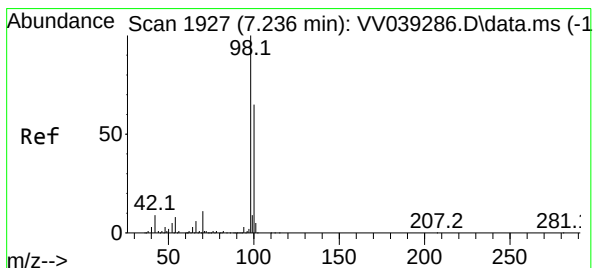
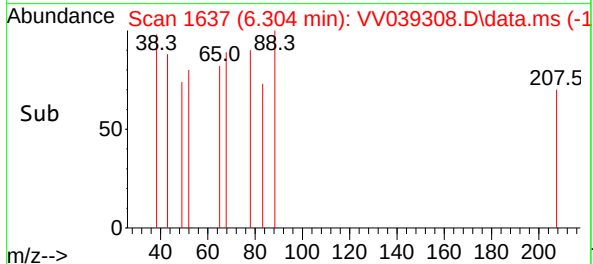
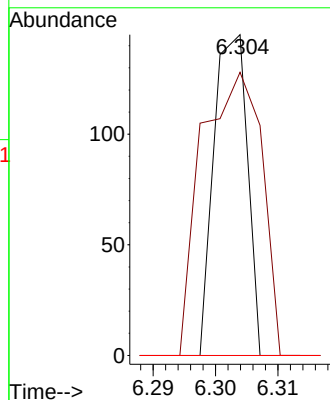
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 159.3 24.1 36.1#

58 0.0 57.6 86.4#



#50

Toluene-d8

Concen: 48.608 ug/l

RT: 7.233 min Scan# 1926

Delta R.T. -0.003 min

Lab File: VV039308.D

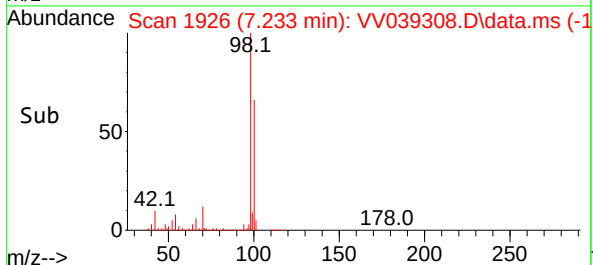
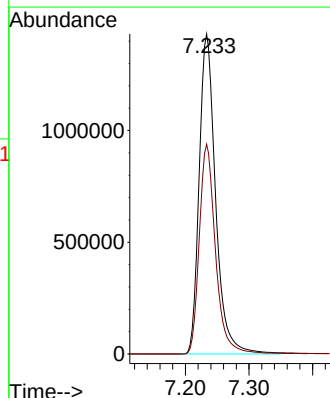
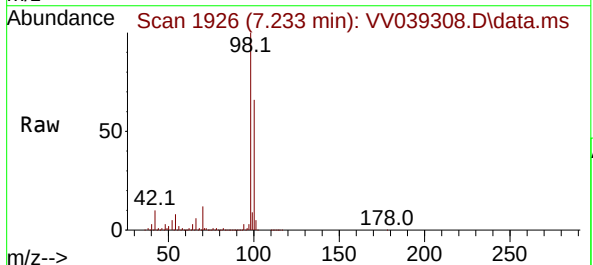
Acq: 04 Nov 2025 12:21

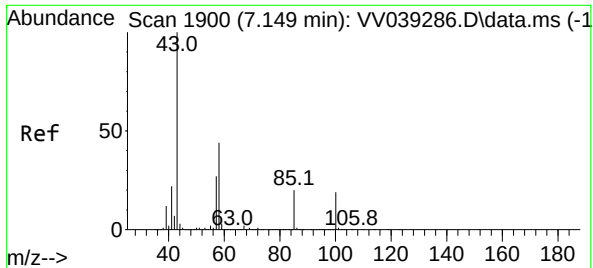
Tgt Ion: 98 Resp: 2570057

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 0.450 ug/l

RT: 7.233 min Scan# 1900

Delta R.T. 0.084 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

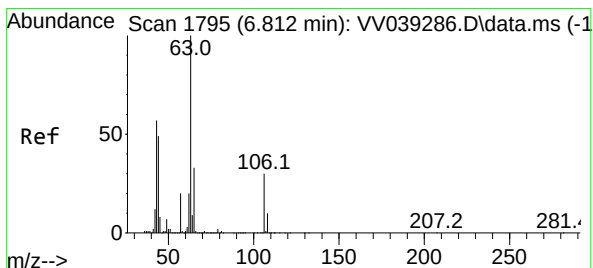
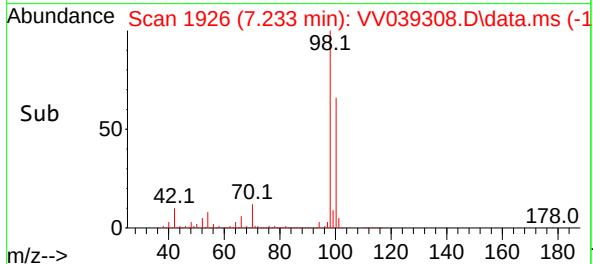
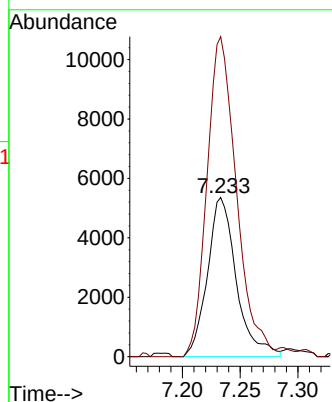
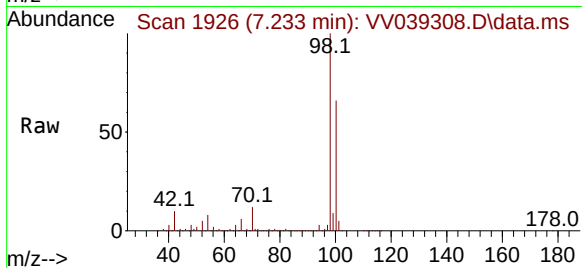
ClientSampleId :

Tgt Ion: 43 Resp: 9339

Ion Ratio Lower Upper

43 100

58 204.5 34.2 51.4#



#58

2-Chloroethyl Vinyl ether

Concen: 8.474 ug/l

RT: 6.802 min Scan# 1792

Delta R.T. -0.009 min

Lab File: VV039308.D

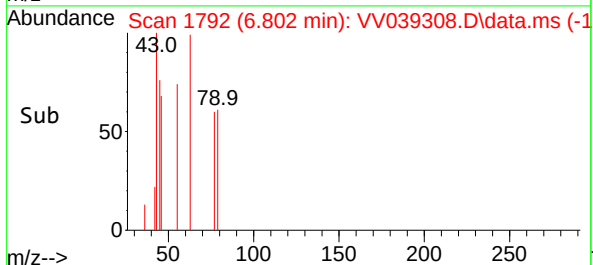
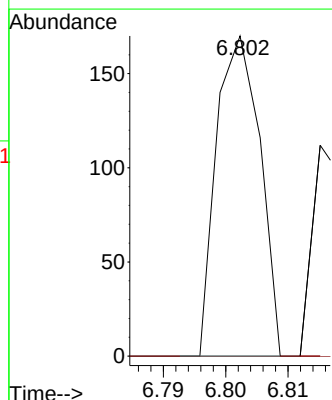
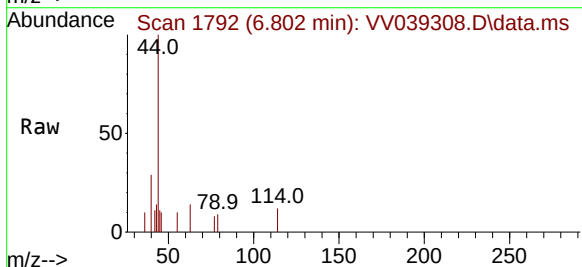
Acq: 04 Nov 2025 12:21

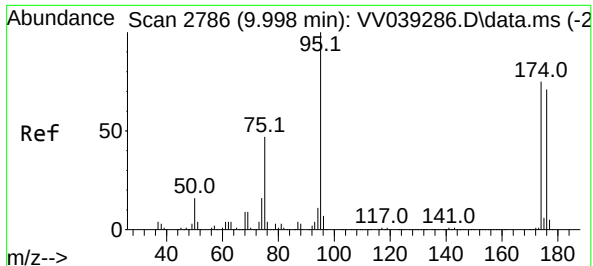
Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

63 100

106 0.0 23.5 35.3#

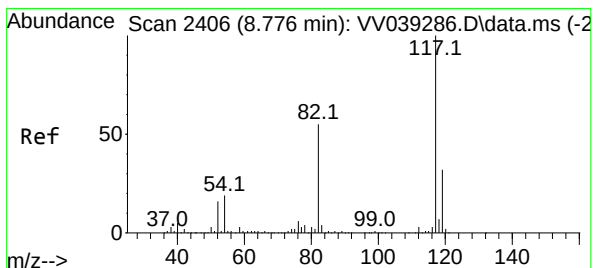
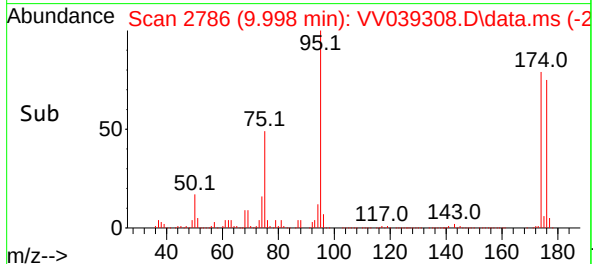
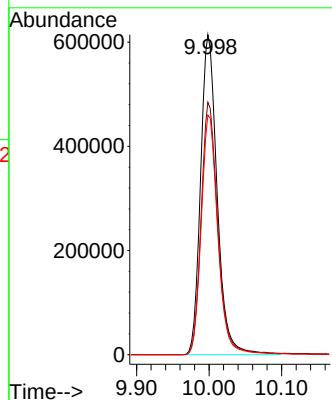
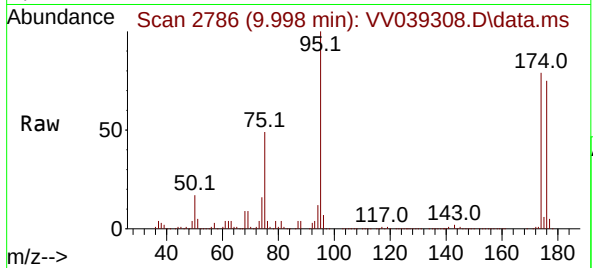




#62
4-Bromofluorobenzene
Concen: 51.821 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

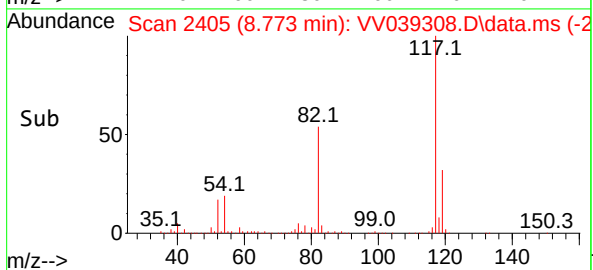
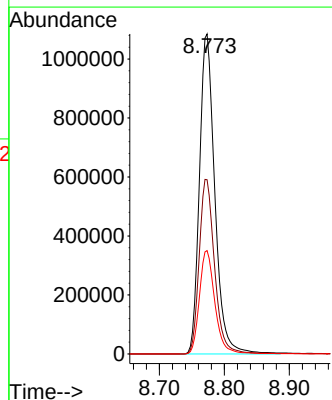
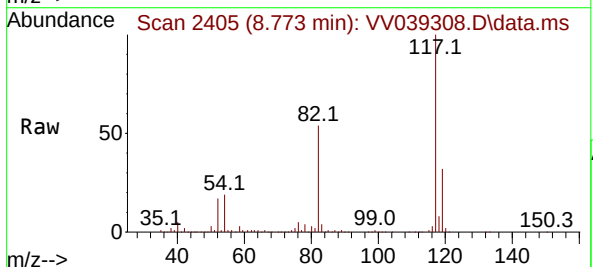
Instrument :
MSVOA_V
ClientSampleId :

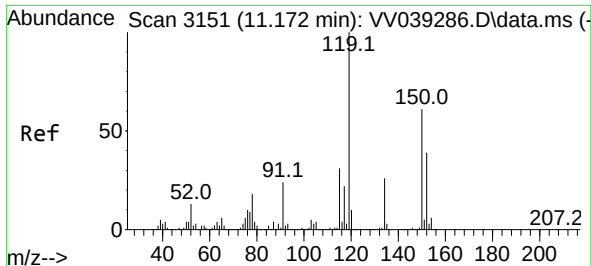
Tgt Ion: 95 Resp: 975805
Ion Ratio Lower Upper
95 100
174 80.1 0.0 153.6
176 75.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

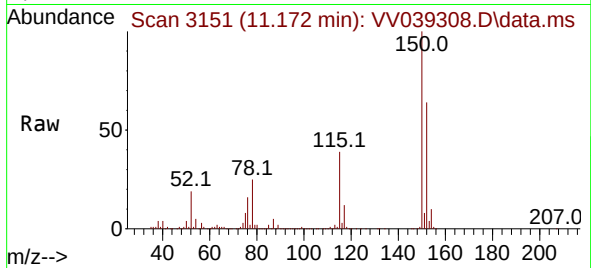
Tgt Ion: 117 Resp: 1793346
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 32.3 25.8 38.6



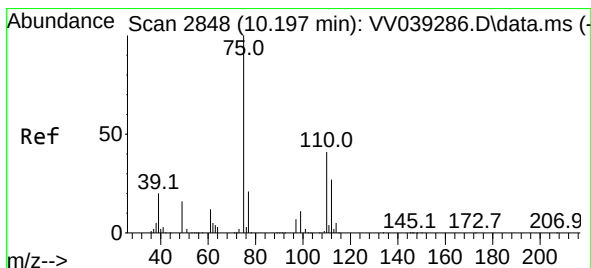
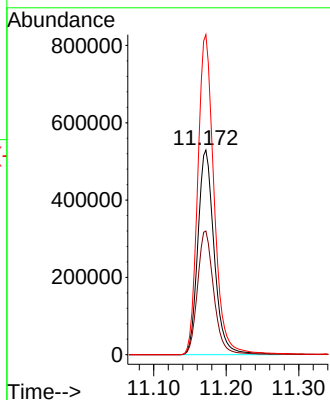
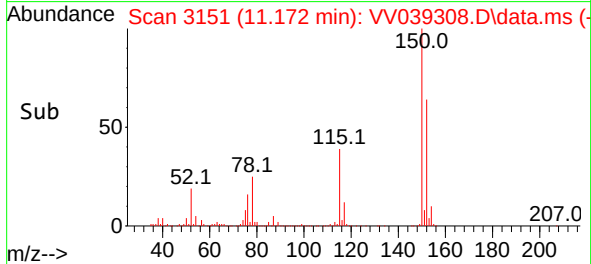


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.172 min Scan# 3151
 Delta R.T. 0.000 min
 Lab File: VV039308.D
 Acq: 04 Nov 2025 12:21

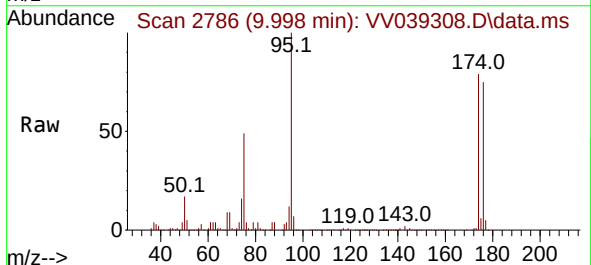
Instrument :
 MSVOA_V
 ClientSampleId :



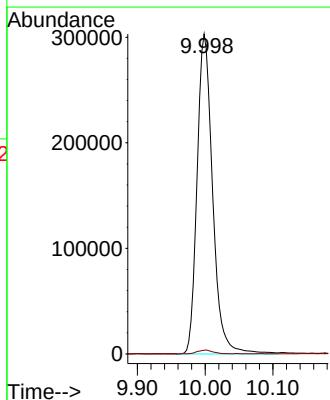
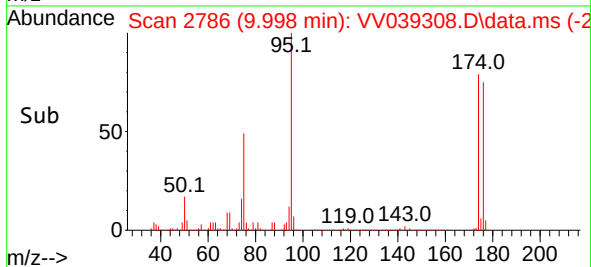
Tgt Ion:152 Resp: 828938
 Ion Ratio Lower Upper
 152 100
 115 60.4 42.3 126.8
 150 156.6 0.0 348.0

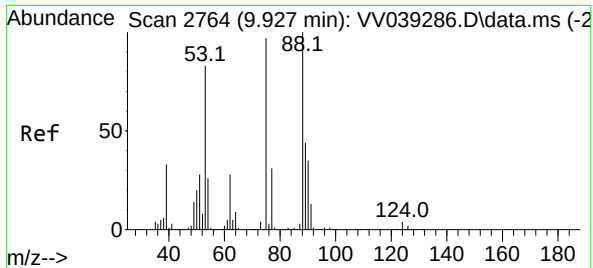


#76
 1,2,3-Trichloropropane
 Concen: 29.195 ug/l
 RT: 9.998 min Scan# 2786
 Delta R.T. -0.199 min
 Lab File: VV039308.D
 Acq: 04 Nov 2025 12:21



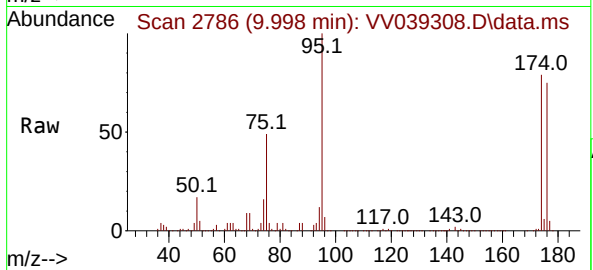
Tgt Ion: 75 Resp: 483028
 Ion Ratio Lower Upper
 75 100
 77 1.3 12.2 36.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.733 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.071 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 483028
Ion Ratio Lower Upper
75 100
53 0.3 69.9 104.9#
89 0.0 37.4 56.0#

