

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039335.D
 Acq On : 05 Nov 2025 14:39
 Operator : SY/MD
 Sample : Q3537-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 06 00:15:40 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	4.600	168	859797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1601084	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1480111	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	666706	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	685670	56.123	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 112.240%	
35) Dibromofluoromethane	4.500	113	608882	48.265	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 96.520%	
50) Toluene-d8	7.236	98	1982744	46.199	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 92.400%	
62) 4-Bromofluorobenzene	9.998	95	667177	43.651	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 87.300%	

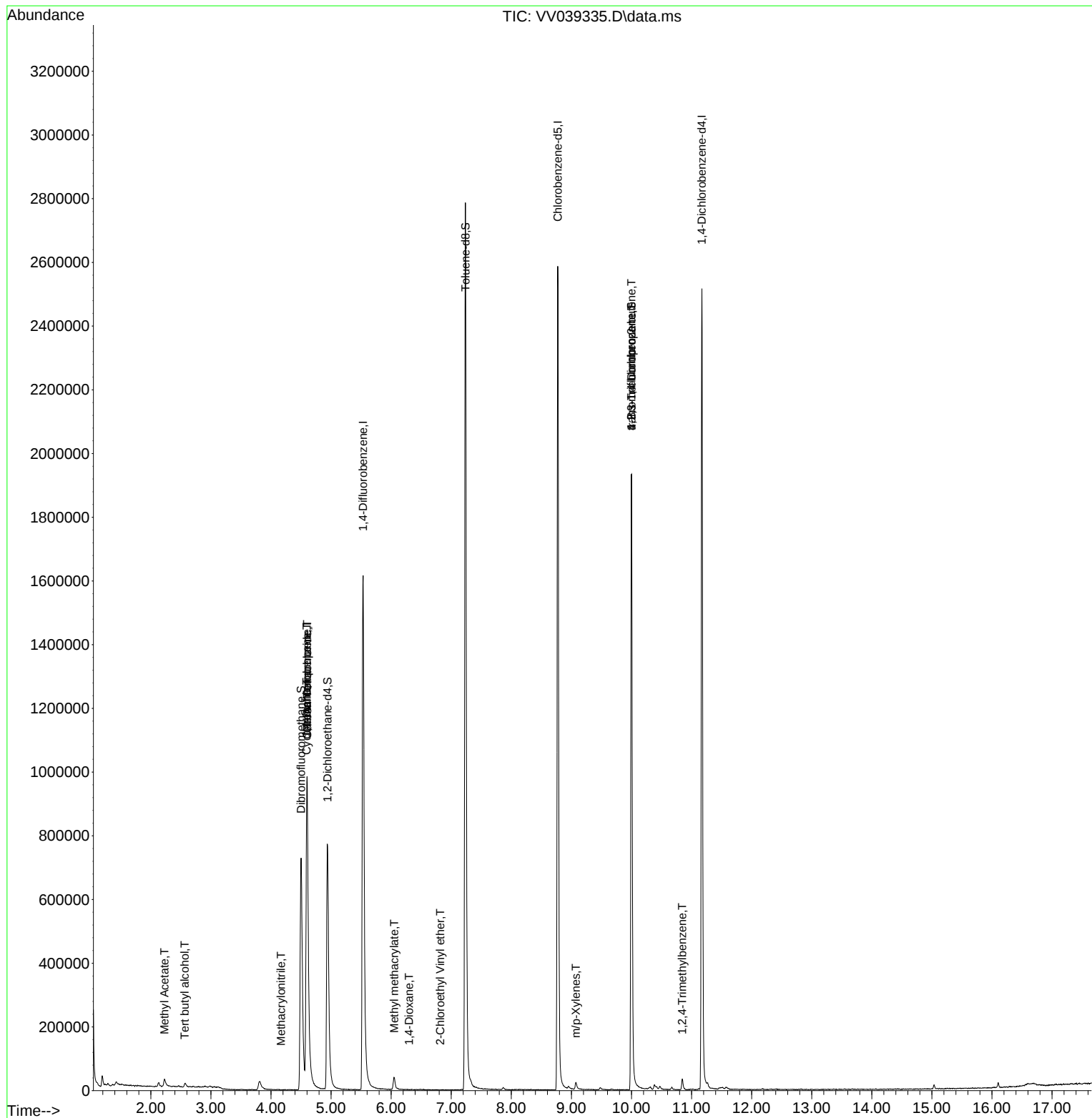
Target Compounds				Qvalue		
6) Chloroethane	1.552	64	602	Below Cal	#	43
11) Tert butyl alcohol	2.564	59	4779	2.018	ug/l	100
13) Acrolein	2.015	56	304	Below Cal	#	76
16) Acetone	2.127	43	16122	Below Cal		99
18) Methyl Acetate	2.227	43	7565	0.478	ug/l	# 51
20) Methylene Chloride	2.461	84	1144	Below Cal	#	72
31) Cyclohexane	4.593	56	18310	1.137	ug/l	# 1
36) 1,1-Dichloropropene	4.596	75	69799	4.405	ug/l	# 49
38) Carbon Tetrachloride	4.603	117	89787	4.651	ug/l	# 17
41) Methacrylonitrile	4.169	41	64	1.699	ug/l	# 1
48) Methyl methacrylate	6.050	41	10965	0.975	ug/l	# 36
49) 1,4-Dioxane	6.297	88	68	0.363	ug/l	# 23
58) 2-Chloroethyl Vinyl ether	6.815	63	72	8.475	ug/l	# 45
68) m/p-Xylenes	9.075	106	7047	0.344	ug/l	# 95
76) 1,2,3-Trichloropropane	9.998	75	320589	24.092	ug/l	# 54
81) trans-1,4-Dichloro-2-b...	9.998	75	320589	60.845	ug/l	# 14
84) 1,2,4-Trimethylbenzene	10.844	105	19963	0.597	ug/l	# 95

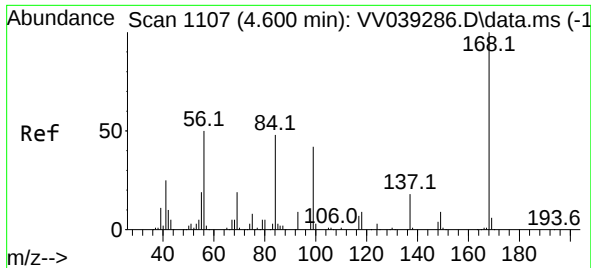
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

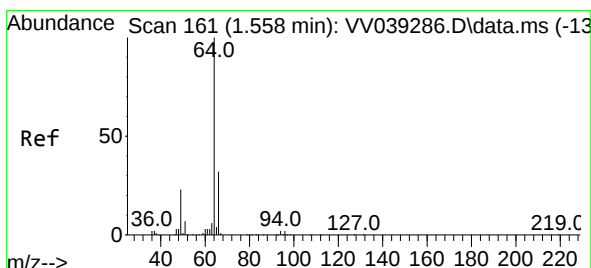
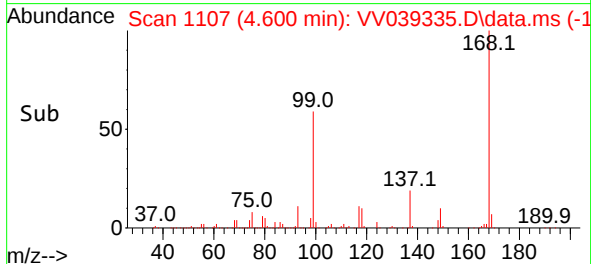
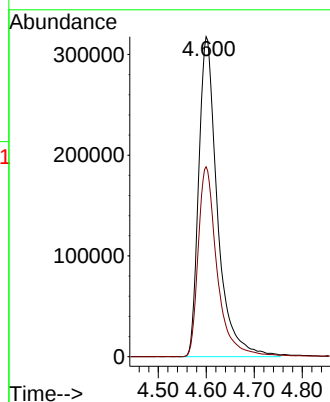
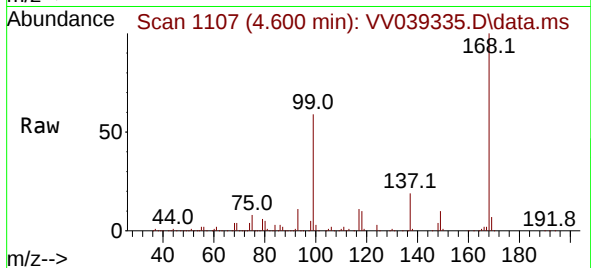




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

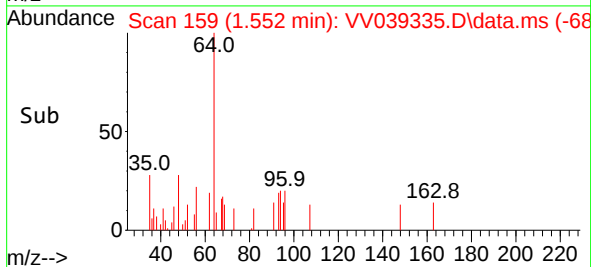
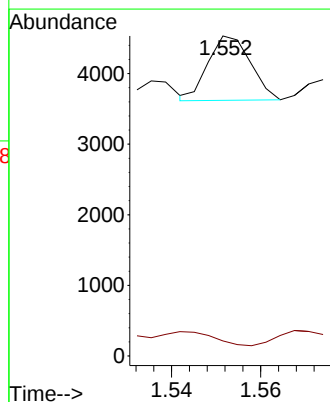
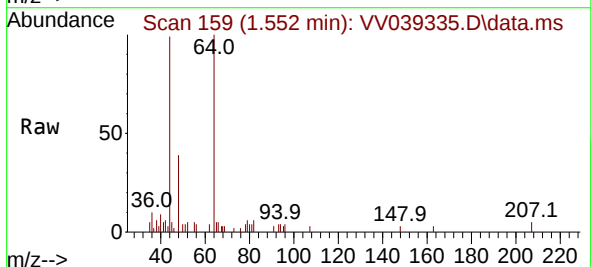
Instrument :
MSVOA_V
ClientSampleId :

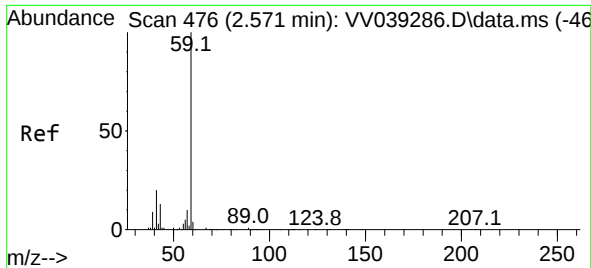
Tgt Ion:168 Resp: 859797
Ion Ratio Lower Upper
168 100
99 59.3 46.6 70.0



#6
Chloroethane
Concen: Below Cal
RT: 1.552 min Scan# 159
Delta R.T. -0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Tgt Ion: 64 Resp: 602
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#

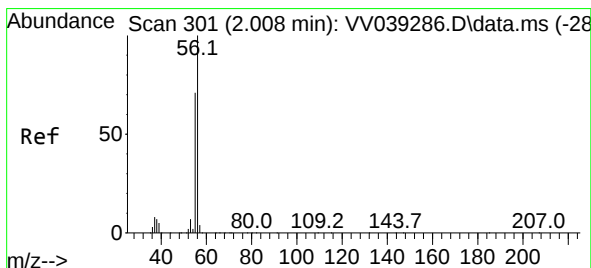
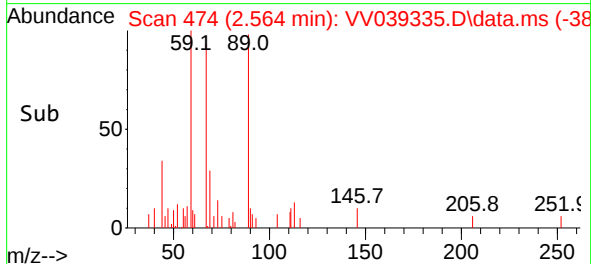
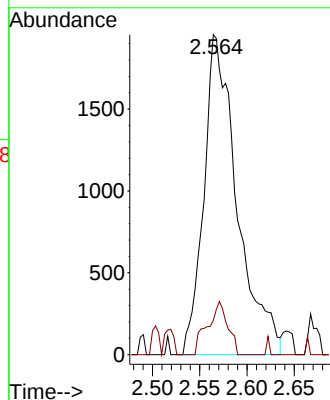
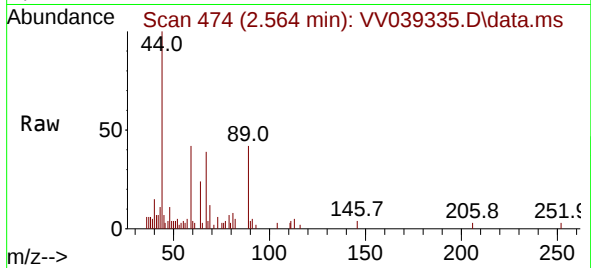




#11
Tert butyl alcohol
Concen: 2.018 ug/l
RT: 2.564 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

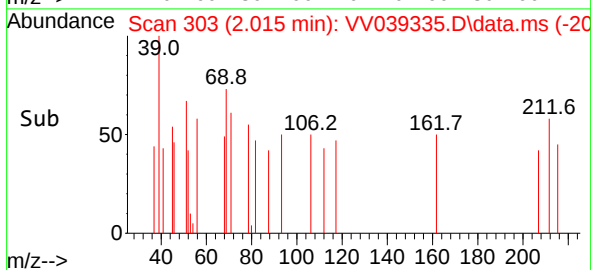
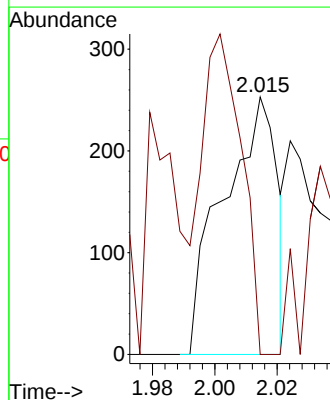
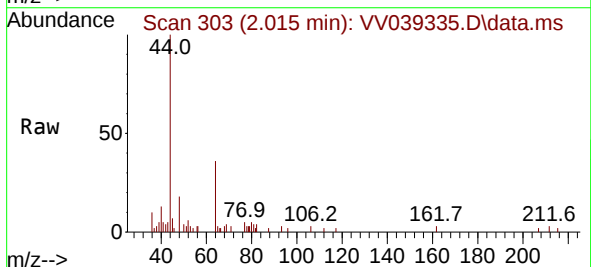
Instrument :
MSVOA_V
ClientSampleId :

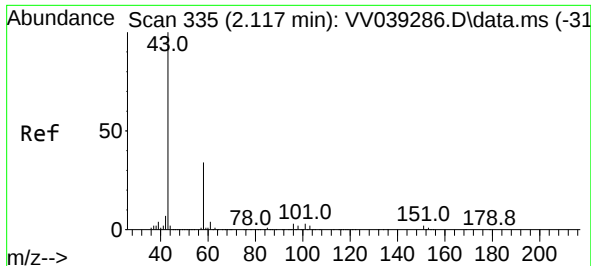
Tgt Ion: 59 Resp: 4779
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#13
Acrolein
Concen: Below Cal
RT: 2.015 min Scan# 303
Delta R.T. 0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Tgt Ion: 56 Resp: 304
Ion Ratio Lower Upper
56 100
55 89.8 56.2 84.4#

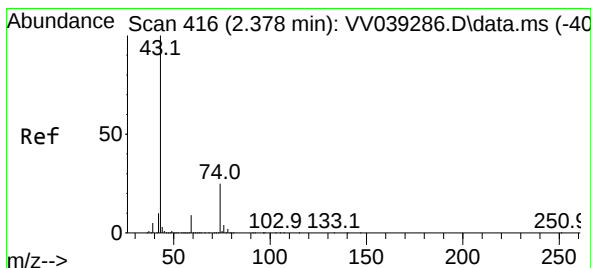
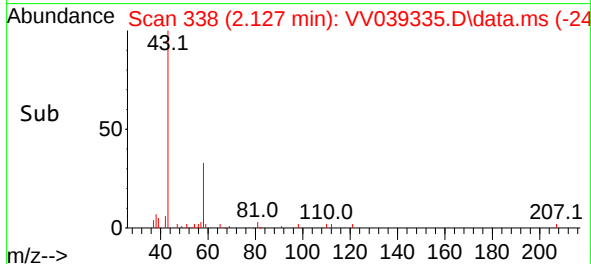
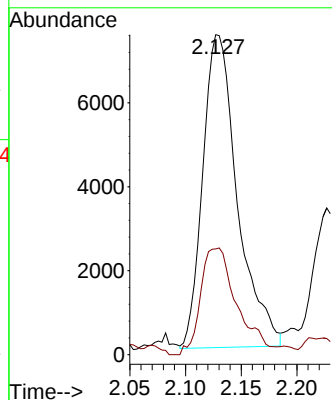
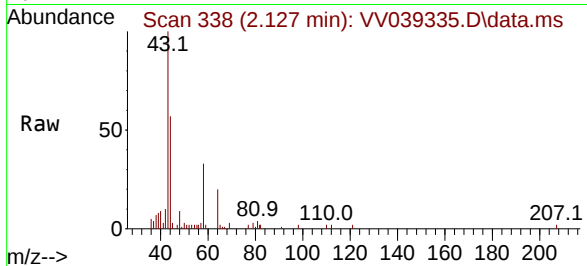




#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

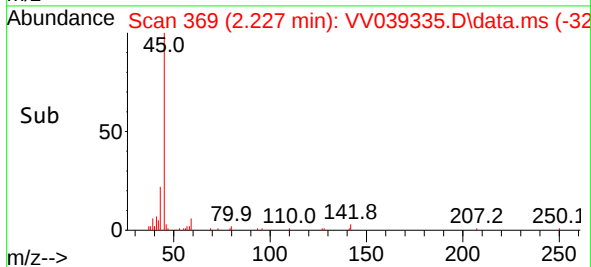
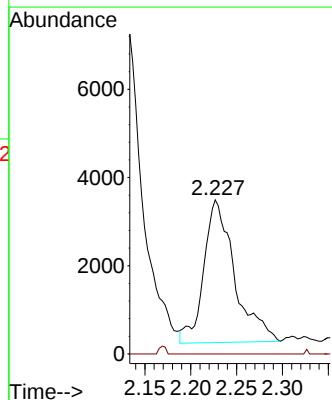
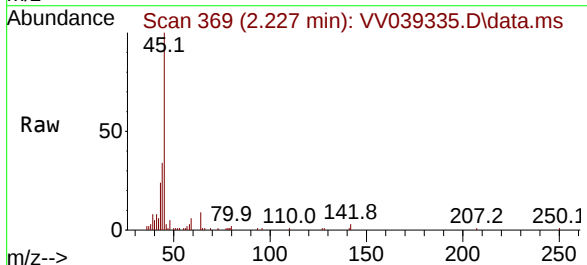
Instrument :
MSVOA_V
ClientSampleId :

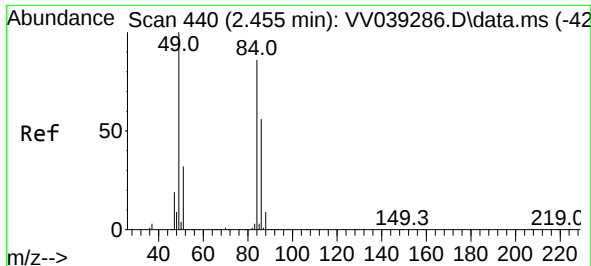
Tgt Ion: 43 Resp: 16122
Ion Ratio Lower Upper
43 100
58 34.0 27.5 41.3



#18
Methyl Acetate
Concen: 0.478 ug/l
RT: 2.227 min Scan# 369
Delta R.T. -0.151 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

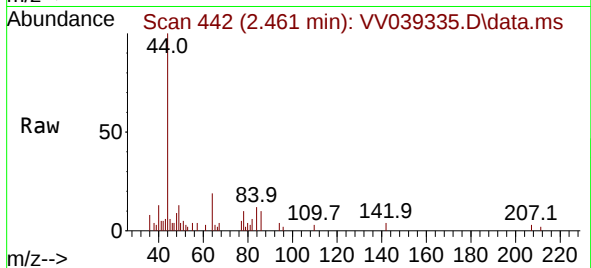
Tgt Ion: 43 Resp: 7565
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



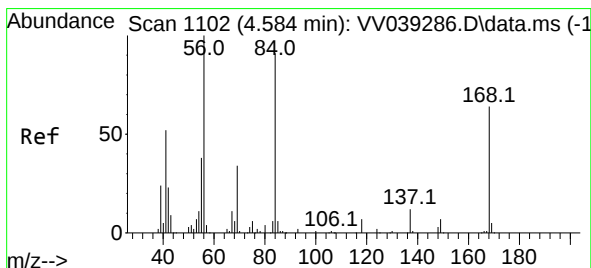
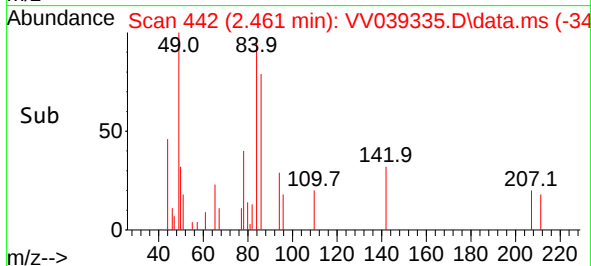
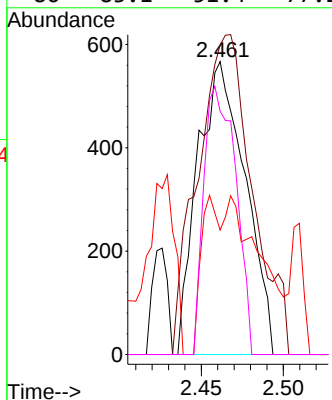


#20
Methylene Chloride
Concen: Below Cal
RT: 2.461 min Scan# 44
Delta R.T. 0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Instrument :
MSVOA_V
ClientSampleId :

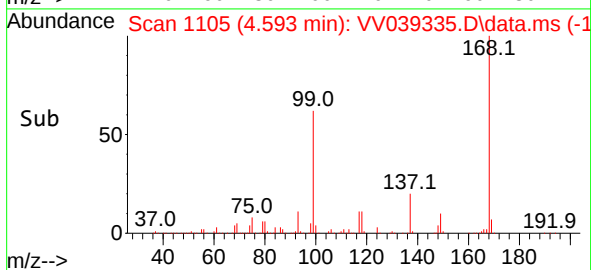
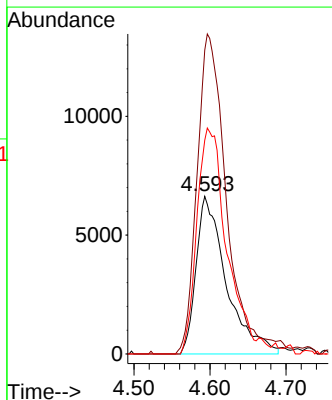
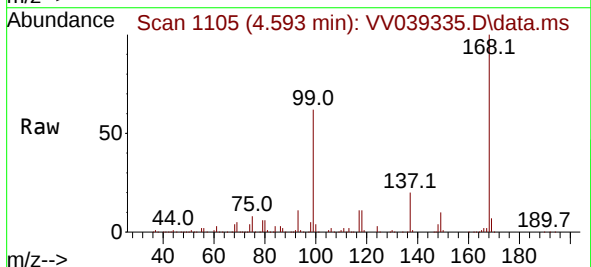


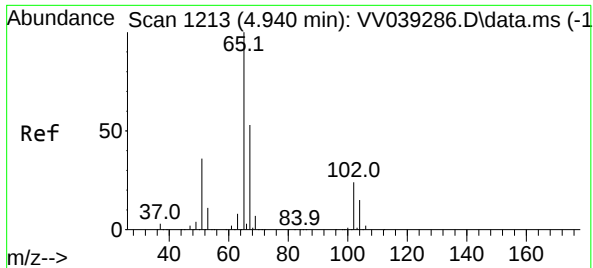
Tgt Ion:	84	Resp:	1144
Ion	Ratio	Lower	Upper
84	100		
49	84.0	92.6	139.0#
51	20.1	29.6	44.4#
86	83.1	51.4	77.2#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Tgt Ion:	56	Resp:	18310
Ion	Ratio	Lower	Upper
56	100		
69	190.7	27.4	41.0#
84	135.7	72.8	109.2#

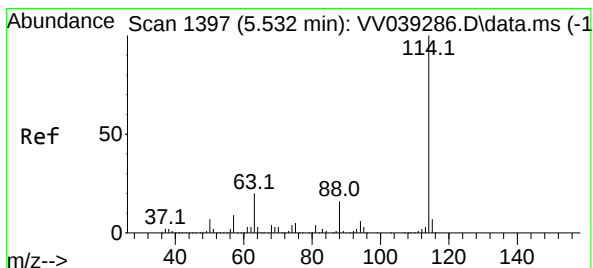
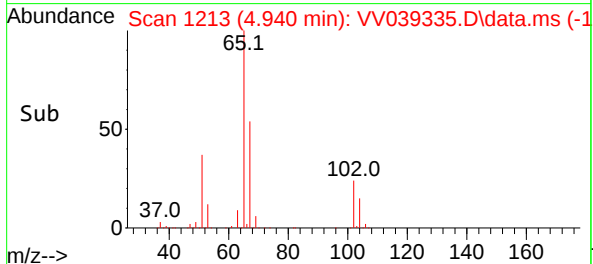
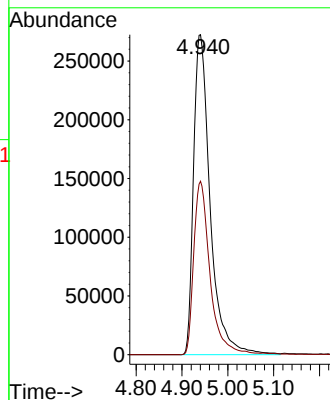
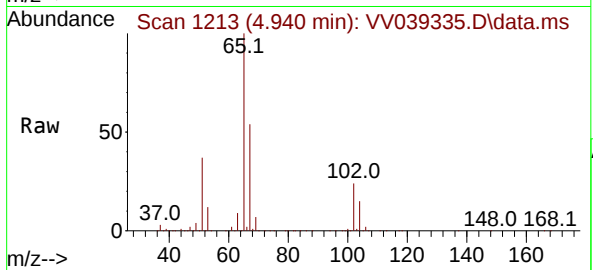




#33
 1,2-Dichloroethane-d4
 Concen: 56.123 ug/l
 RT: 4.940 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VV039335.D
 Acq: 05 Nov 2025 14:39

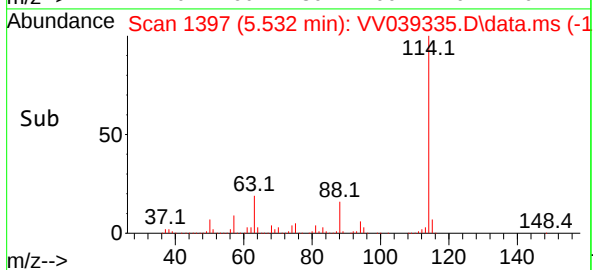
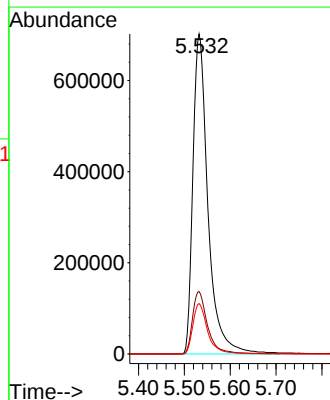
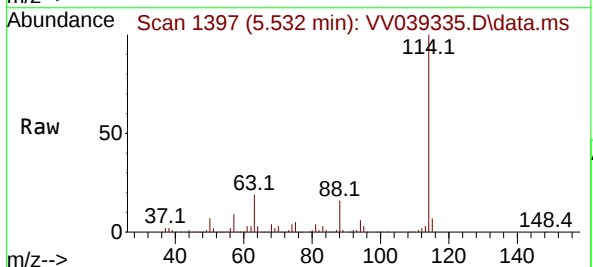
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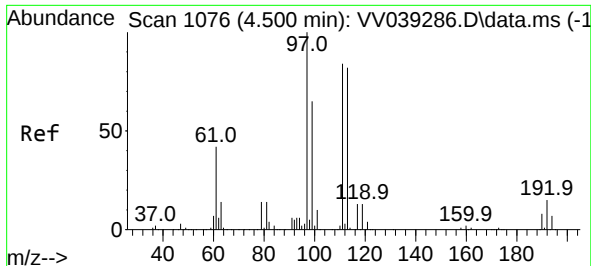
Tgt Ion: 65 Resp: 685670
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.532 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VV039335.D
 Acq: 05 Nov 2025 14:39

Tgt Ion: 114 Resp: 1601084
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 15.7 0.0 31.6

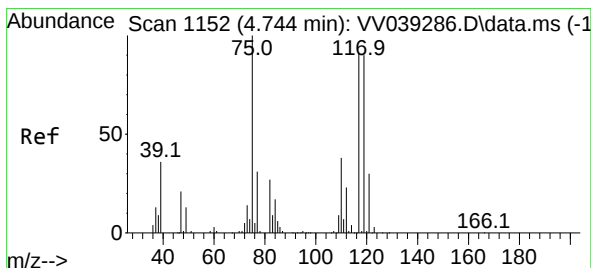
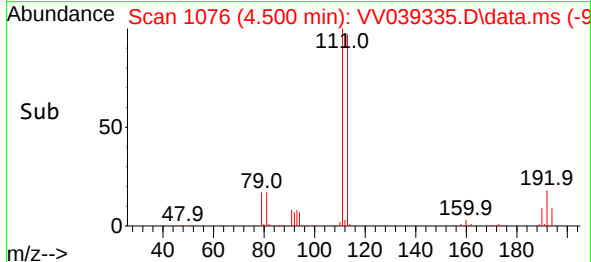
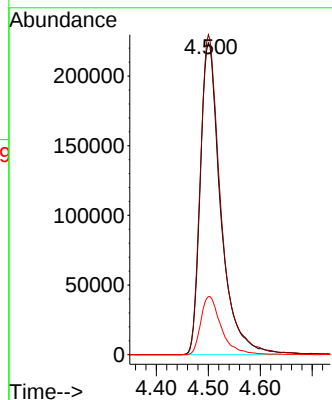
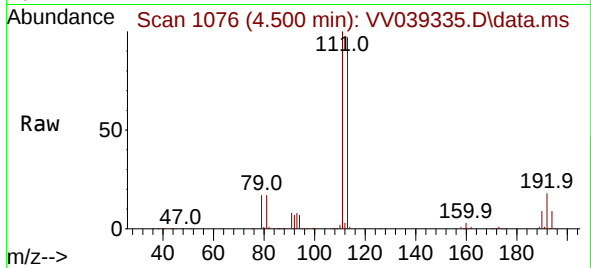




#35
Dibromofluoromethane
Concen: 48.265 ug/l
RT: 4.500 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

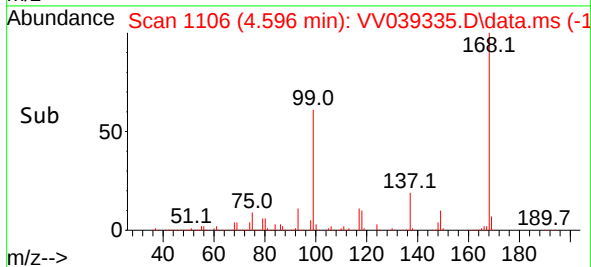
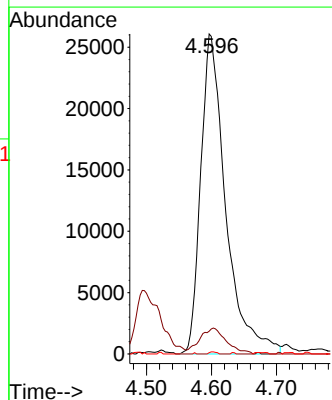
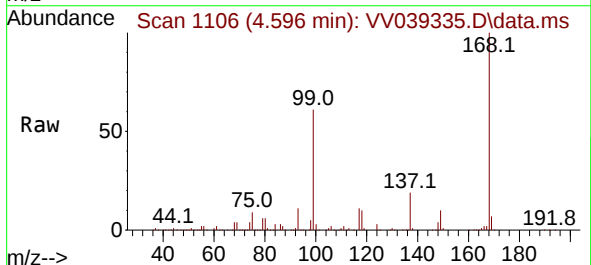
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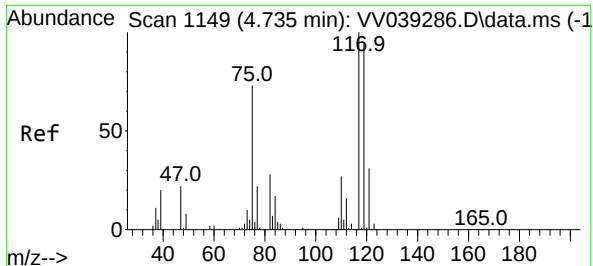
Tgt Ion:113 Resp: 608882
Ion Ratio Lower Upper
113 100
111 103.2 82.0 123.0
192 18.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.405 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.148 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

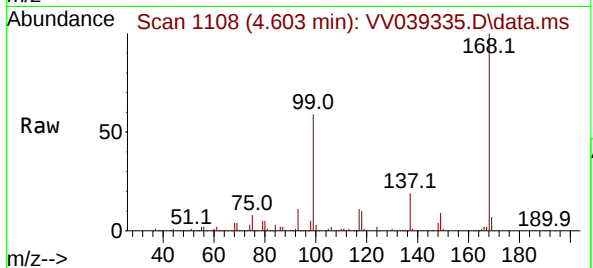
Tgt Ion: 75 Resp: 69799
Ion Ratio Lower Upper
75 100
110 8.6 18.9 56.7#
77 0.2 24.1 36.1#



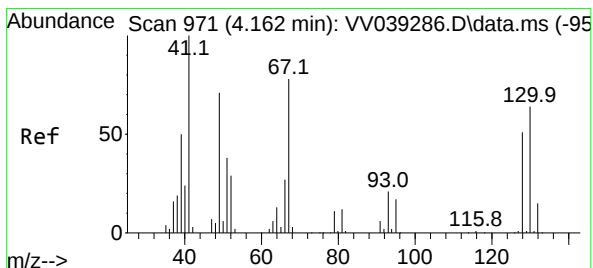
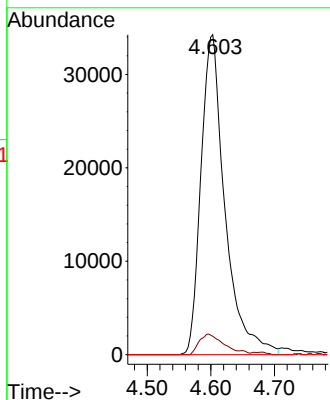
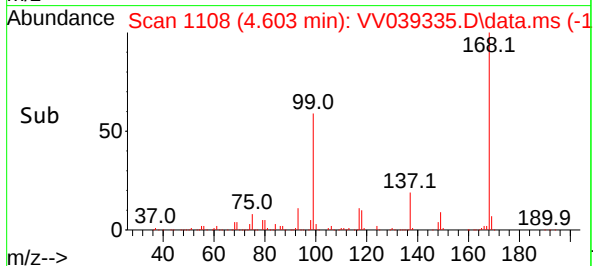


#38
Carbon Tetrachloride
Concen: 4.651 ug/l
RT: 4.603 min Scan# 1149
Delta R.T. -0.132 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Instrument :
MSVOA_V
ClientSampleId :

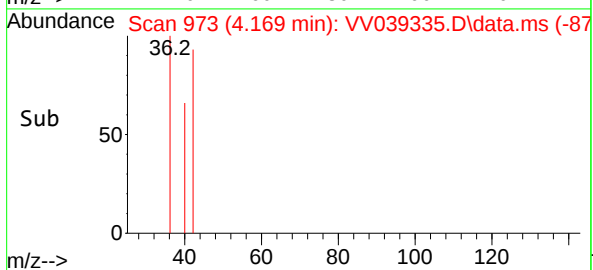
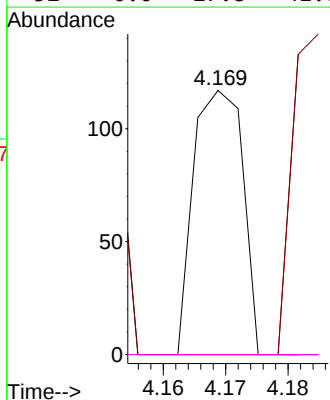
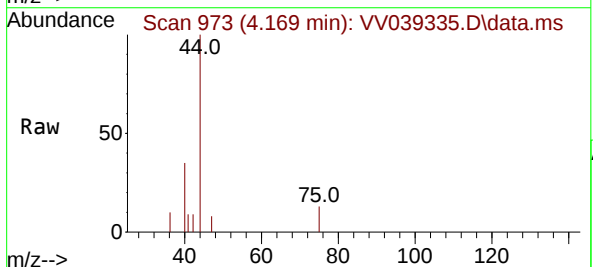


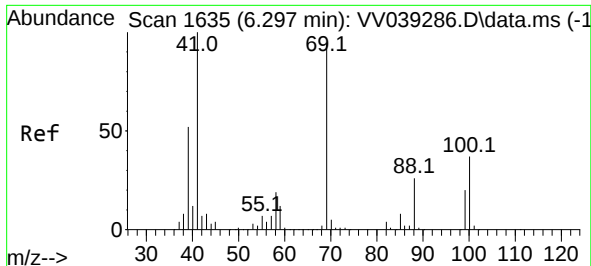
Tgt Ion:117 Resp: 89787
Ion Ratio Lower Upper
117 100
119 5.8 75.9 113.9#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.699 ug/l
RT: 4.169 min Scan# 973
Delta R.T. 0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
39 154.7 40.9 61.3#
67 0.0 73.1 109.7#
52 0.0 27.8 41.6#

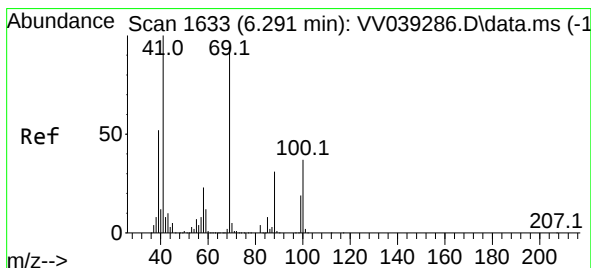
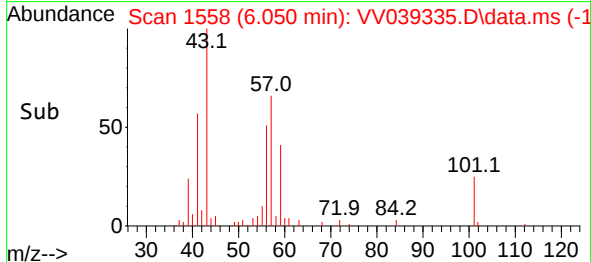
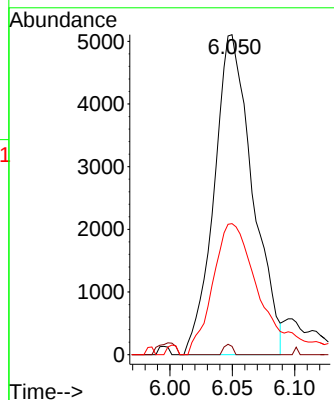
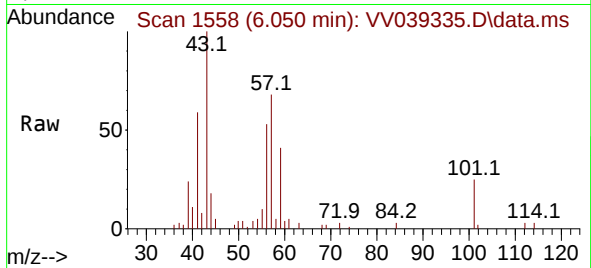




#48
Methyl methacrylate
Concen: 0.975 ug/l
RT: 6.050 min Scan# 11
Delta R.T. -0.248 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

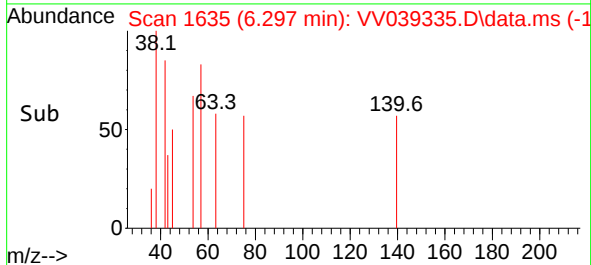
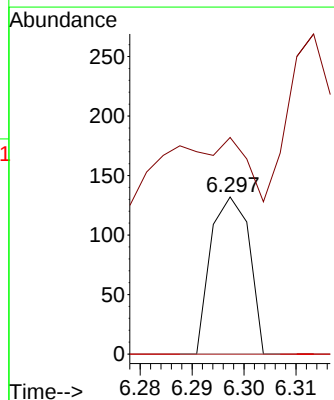
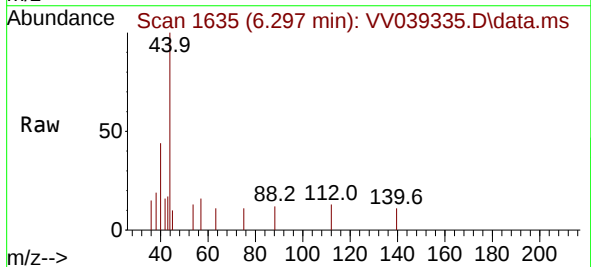
Instrument :
MSVOA_V
ClientSampleId :

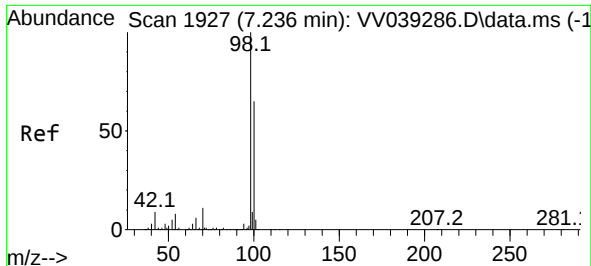
Tgt Ion: 41 Resp: 10965
Ion Ratio Lower Upper
41 100
69 0.7 77.2 115.8#
39 51.2 41.4 62.0



#49
1,4-Dioxane
Concen: 0.363 ug/l
RT: 6.297 min Scan# 1635
Delta R.T. 0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 57.6 86.4#

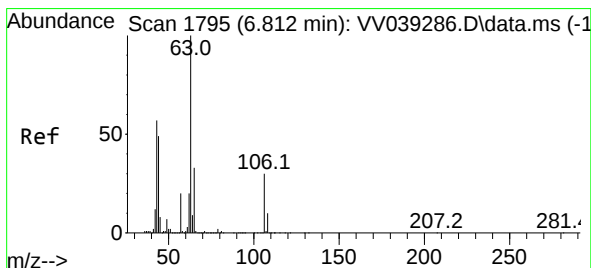
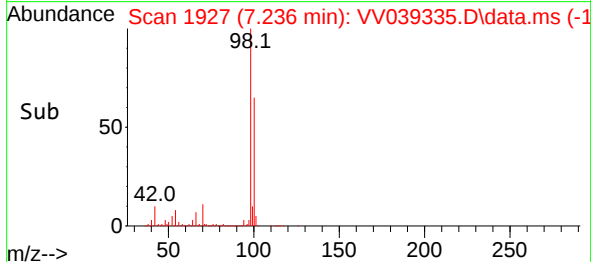
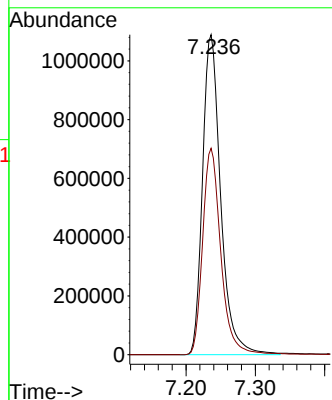
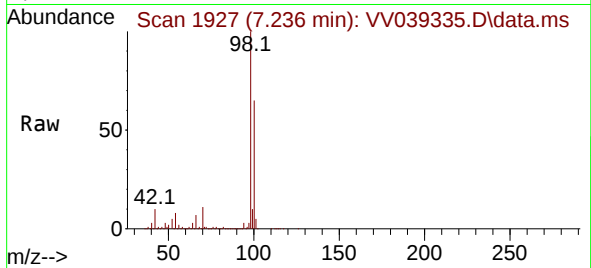




#50
Toluene-d8
Concen: 46.199 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

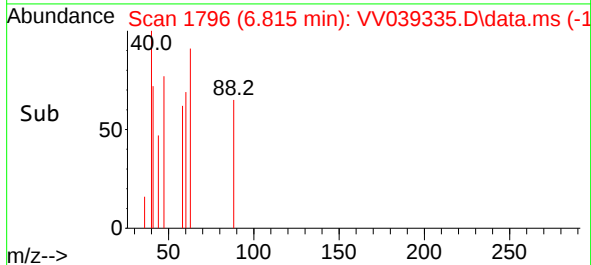
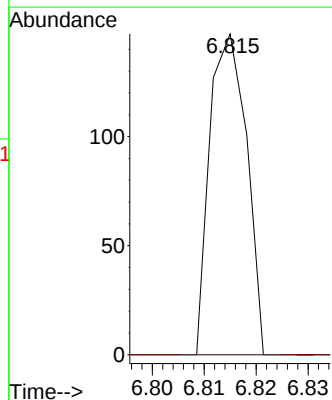
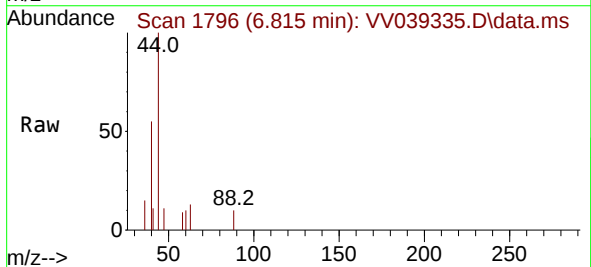
Instrument :
MSVOA_V
ClientSampleId :

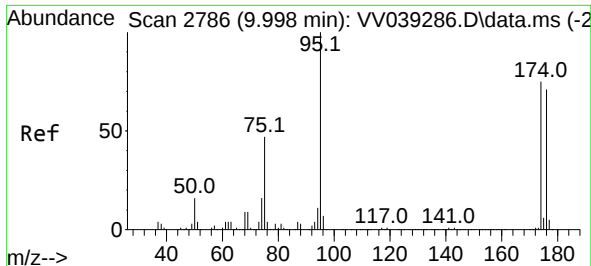
Tgt Ion: 98 Resp: 1982744
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#58
2-Chloroethyl Vinyl ether
Concen: 8.475 ug/l
RT: 6.815 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Tgt Ion: 63 Resp: 72
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#





#62

4-Bromofluorobenzene

Concen: 43.651 ug/l

RT: 9.998 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039335.D

Acq: 05 Nov 2025 14:39

Instrument :

MSVOA_V

ClientSampleId :

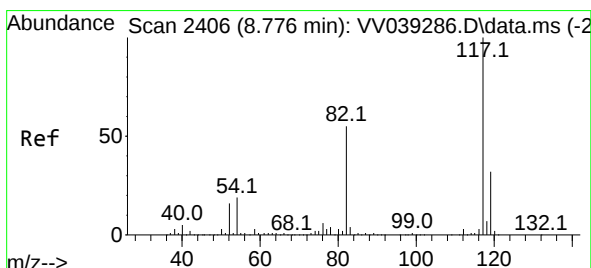
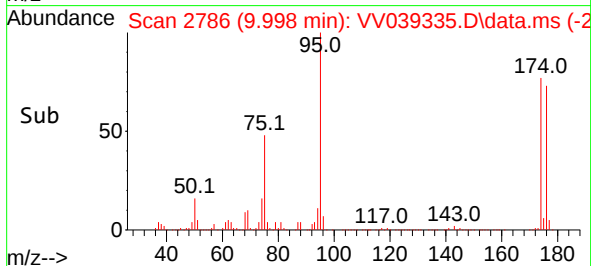
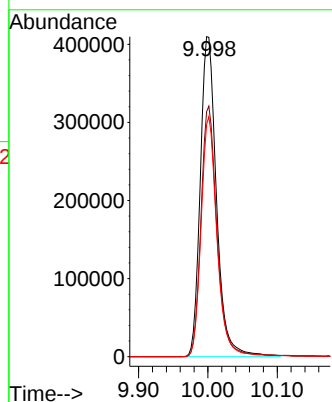
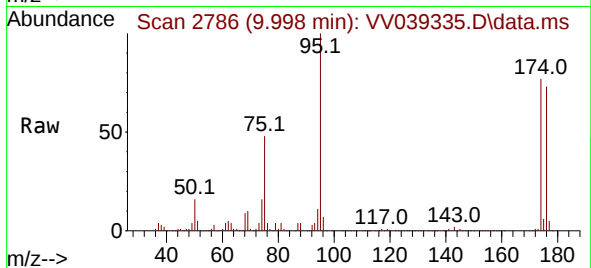
Tgt Ion: 95 Resp: 667177

Ion Ratio Lower Upper

95 100

174 78.0 0.0 153.6

176 73.7 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: VV039335.D

Acq: 05 Nov 2025 14:39

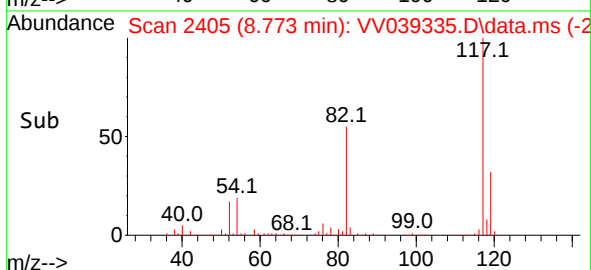
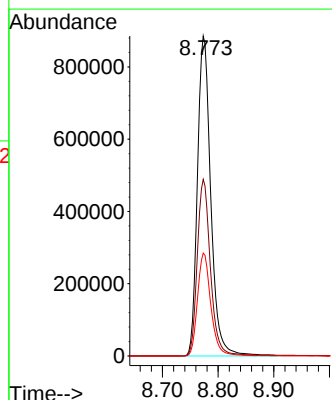
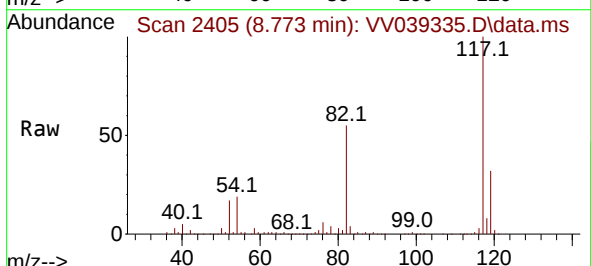
Tgt Ion: 117 Resp: 1480111

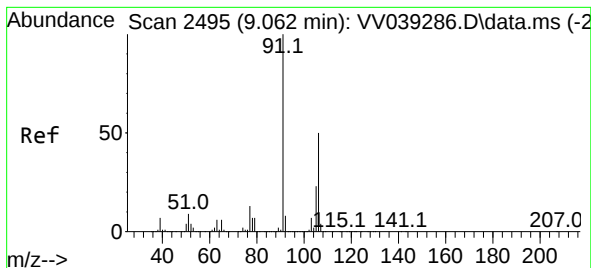
Ion Ratio Lower Upper

117 100

82 55.2 43.8 65.8

119 32.2 25.8 38.6





#68

m/p-Xylenes

Concen: 0.344 ug/l

RT: 9.075 min Scan# 2499

Delta R.T. 0.013 min

Lab File: VV039335.D

Acq: 05 Nov 2025 14:39

Instrument :

MSVOA_V

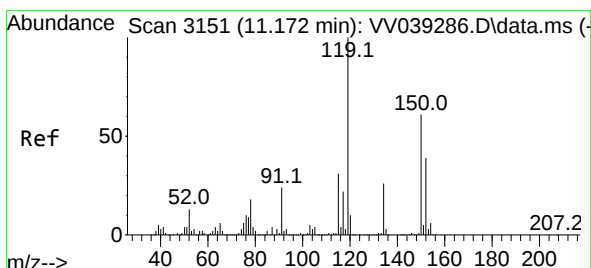
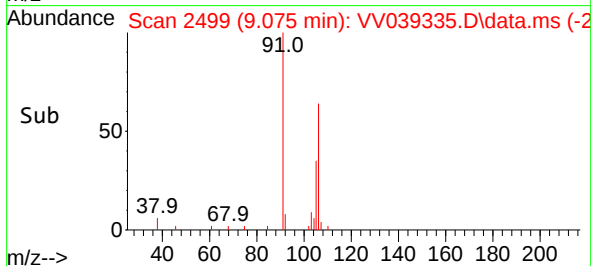
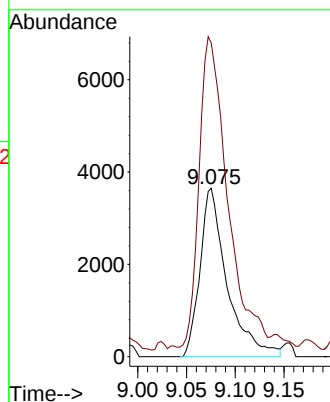
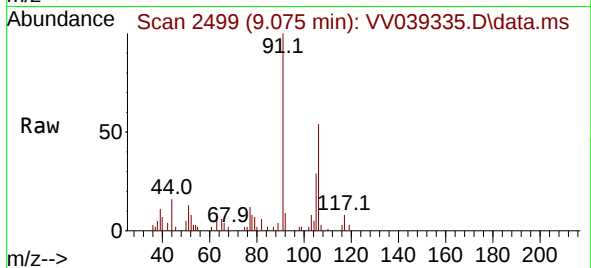
ClientSampleId :

Tgt Ion:106 Resp: 7047

Ion Ratio Lower Upper

106 100

91 192.8 160.2 240.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039335.D

Acq: 05 Nov 2025 14:39

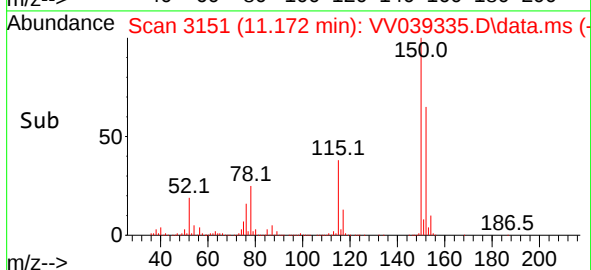
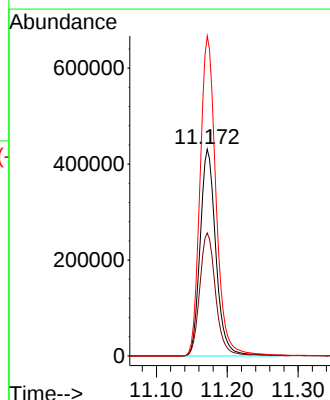
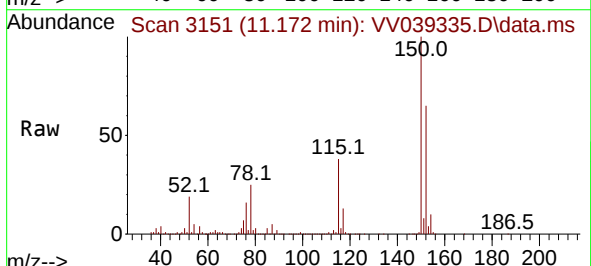
Tgt Ion:152 Resp: 666706

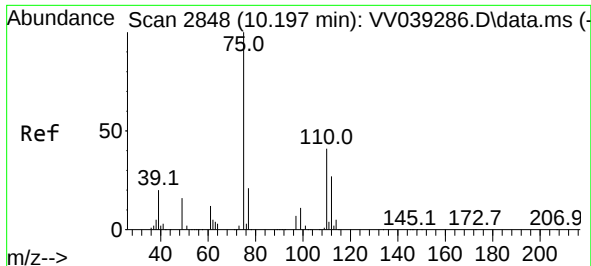
Ion Ratio Lower Upper

152 100

115 60.5 42.3 126.8

150 156.7 0.0 348.0

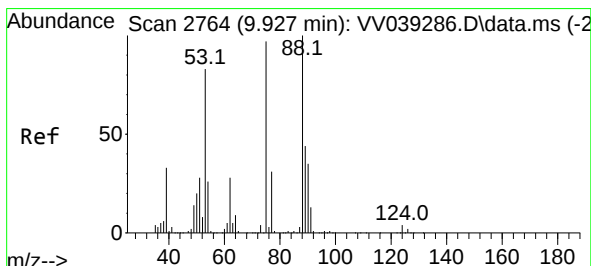
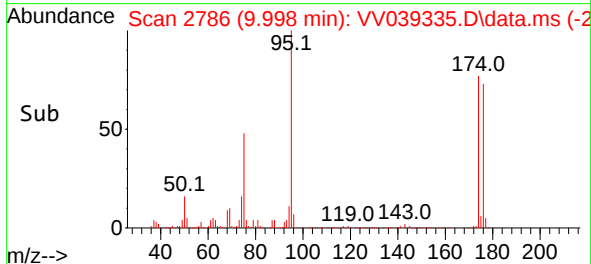
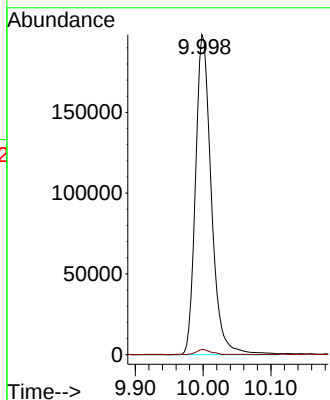
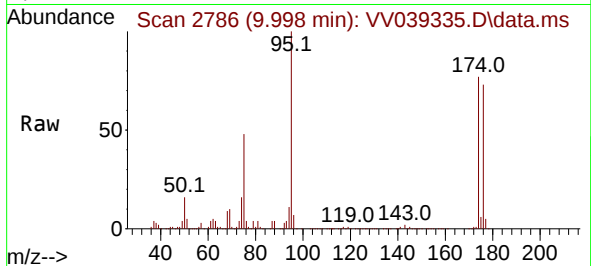




#76
1,2,3-Trichloropropane
Concen: 24.092 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.199 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

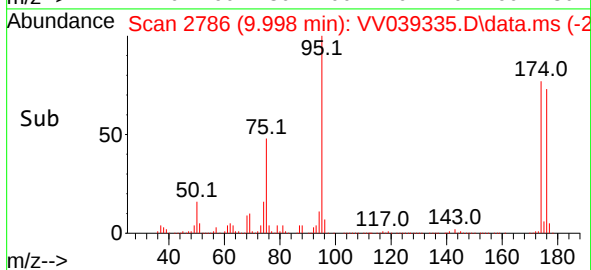
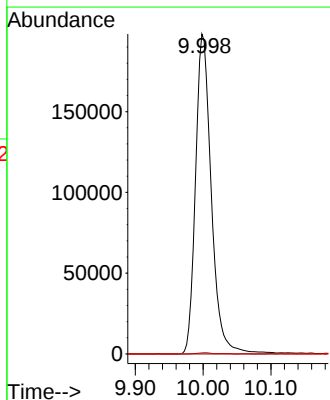
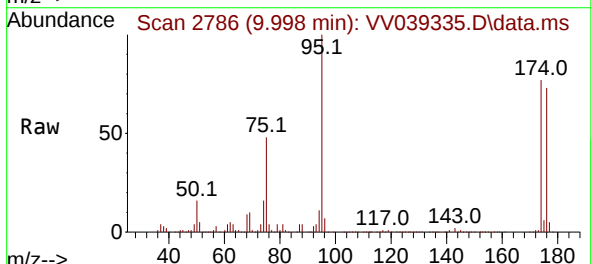
Instrument :
MSVOA_V
ClientSampleId :

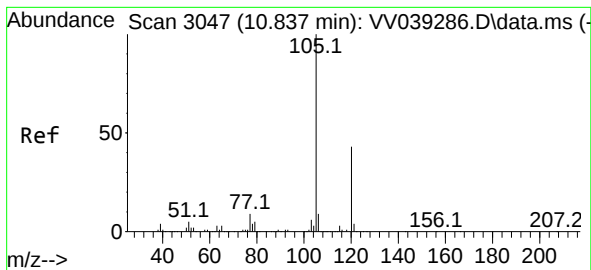
Tgt Ion: 75 Resp: 320589
Ion Ratio Lower Upper
75 100
77 1.4 12.2 36.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.845 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.071 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

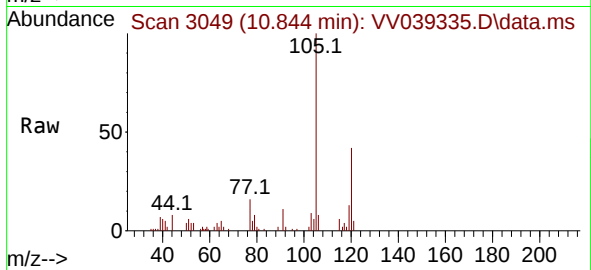
Tgt Ion: 75 Resp: 320589
Ion Ratio Lower Upper
75 100
53 0.3 69.9 104.9#
89 0.0 37.4 56.0#





#84
1,2,4-Trimethylbenzene
Concen: 0.597 ug/l
RT: 10.844 min Scan# 3049
Delta R.T. 0.006 min
Lab File: VV039335.D
Acq: 05 Nov 2025 14:39

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:105 Resp: 19963
Ion Ratio Lower Upper
105 100
120 42.5 22.8 68.4

