

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092925\
 Data File : VV039223.D
 Acq On : 29 Sep 2025 12:00
 Operator : SY/MD
 Sample : VV0929WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 30 01:22:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

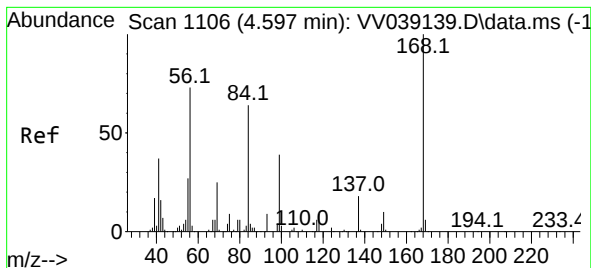
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.600	168	463653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	797576	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	809645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	403956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	367686	54.793	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.580%	
35) Dibromofluoromethane	4.503	113	349442	54.499	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 109.000%	
50) Toluene-d8	7.240	98	860432	45.691	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 91.380%	
62) 4-Bromofluorobenzene	10.002	95	353180	45.557	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 91.120%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.545	64	268	Below Cal	#	44
10) Methyl Iodide	2.211	142	2225	0.322	ug/l #	65
13) Acrolein	2.015	56	378	1.536	ug/l #	46
16) Acetone	2.124	43	1080	Below Cal		89
20) Methylene Chloride	2.462	84	3036	Below Cal	#	91
31) Cyclohexane	4.603	56	9338	0.780	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	37792	3.898	ug/l #	50
38) Carbon Tetrachloride	4.600	117	48837	4.122	ug/l #	18
41) Methacrylonitrile	4.166	41	214	1.949	ug/l #	27
49) 1,4-Dioxane	6.227	88	54	0.460	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.799	63	116	9.643	ug/l #	47
59) 2-Hexanone	8.066	43	200	2.349	ug/l #	23
70) Styrene	9.571	104	51	1.563	ug/l #	1
76) 1,2,3-Trichloropropane	10.002	75	172179	18.720	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.002	75	172179	44.942	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.333	75	41	Below Cal	#	5

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

Quant Time: Sep 30 01:22:41 2025
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Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

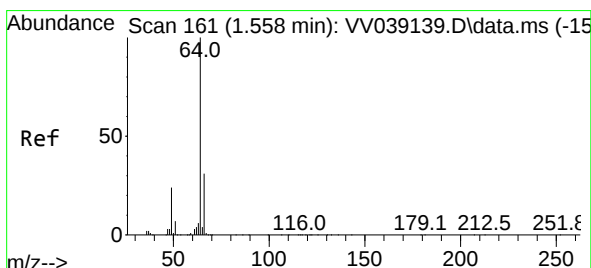
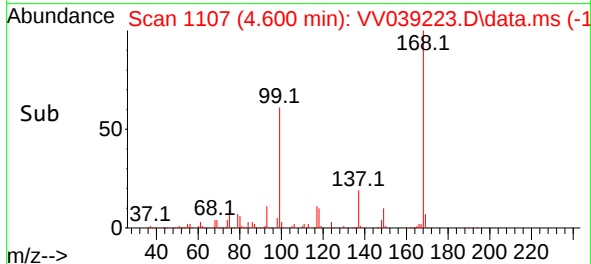
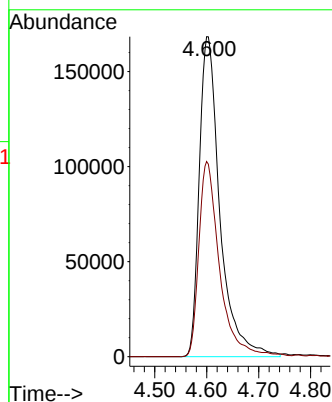
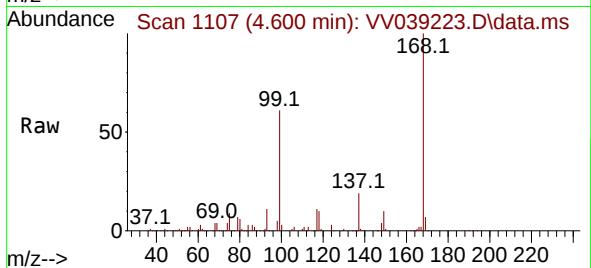




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

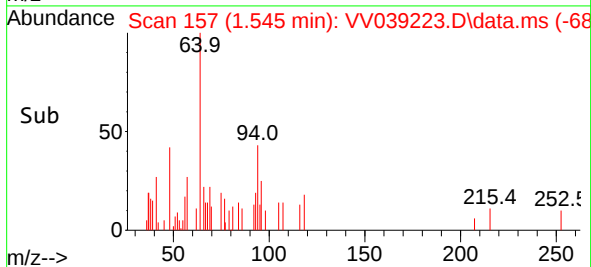
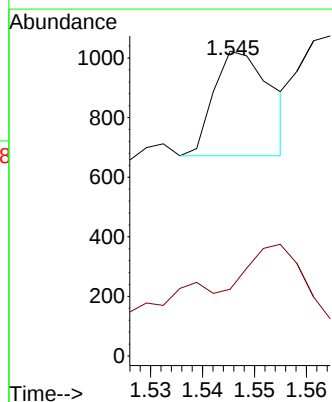
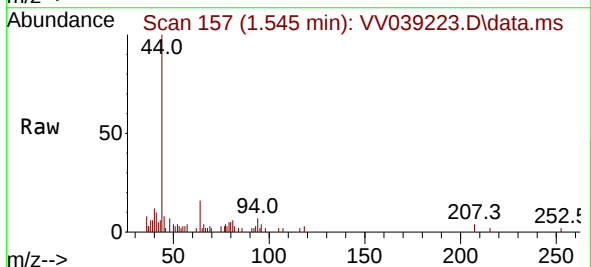
Instrument :
MSVOA_V
ClientSampleId :

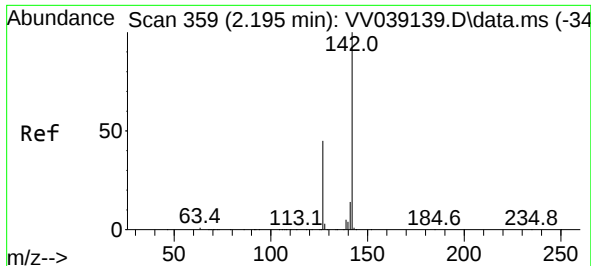
Tgt Ion:168 Resp: 463653
Ion Ratio Lower Upper
168 100
99 61.0 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.545 min Scan# 157
Delta R.T. -0.013 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

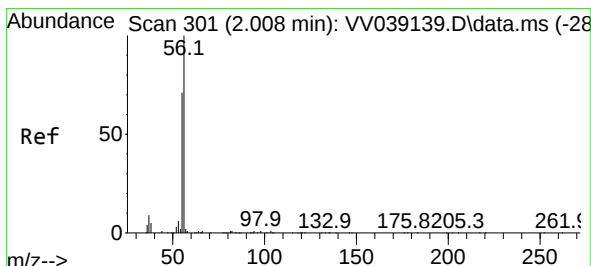
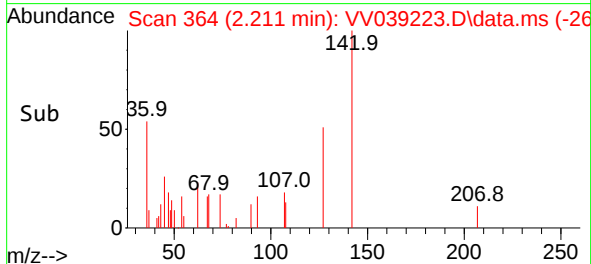
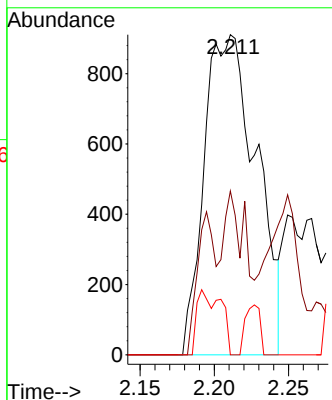
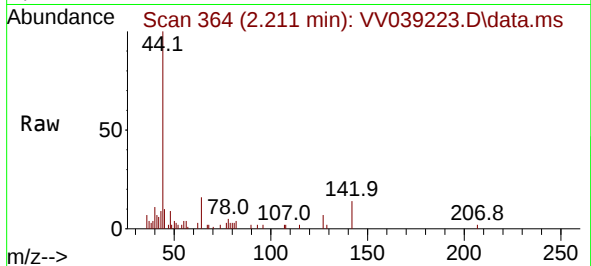




#10
Methyl Iodide
Concen: 0.322 ug/l
RT: 2.211 min Scan# 304
Delta R.T. 0.016 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

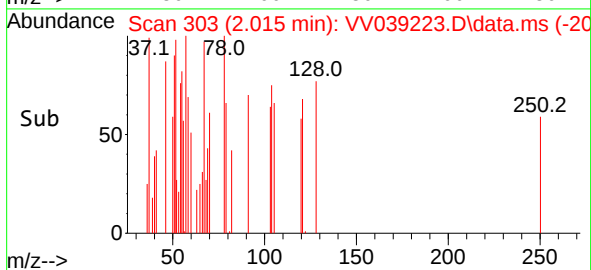
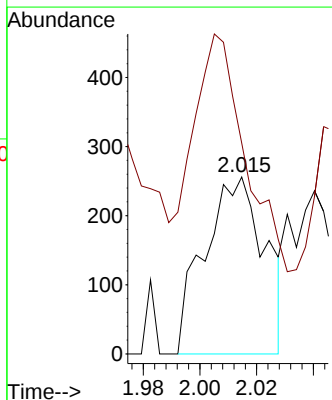
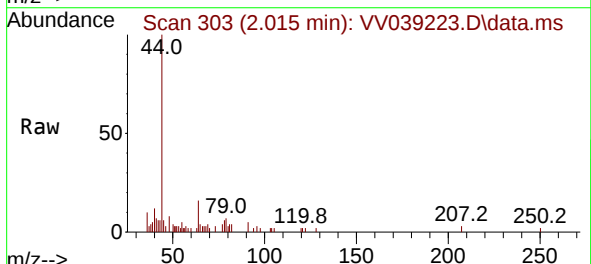
Instrument :
MSVOA_V
ClientSampleId :

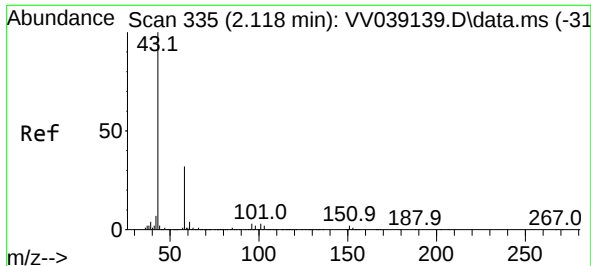
Tgt Ion:142 Resp: 2225
Ion Ratio Lower Upper
142 100
127 19.7 36.3 54.5#
141 4.4 11.2 16.8#



#13
Acrolein
Concen: 1.536 ug/l
RT: 2.015 min Scan# 303
Delta R.T. 0.007 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion: 56 Resp: 378
Ion Ratio Lower Upper
56 100
55 114.8 56.2 84.4#

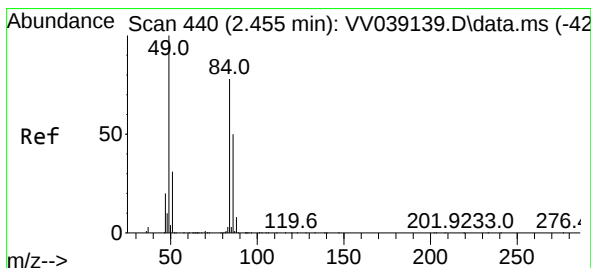
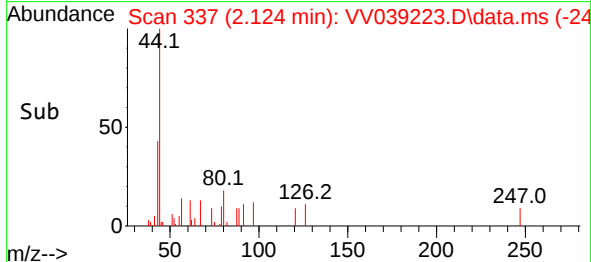
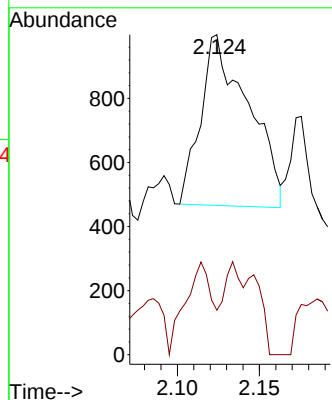
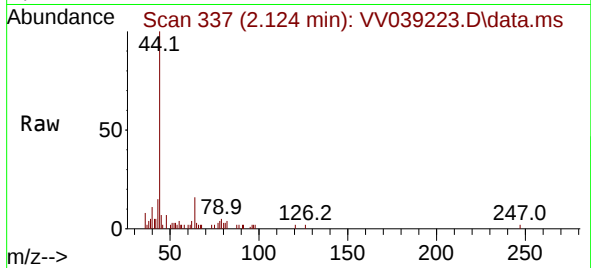




#16
Acetone
Concen: Below Cal
RT: 2.124 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

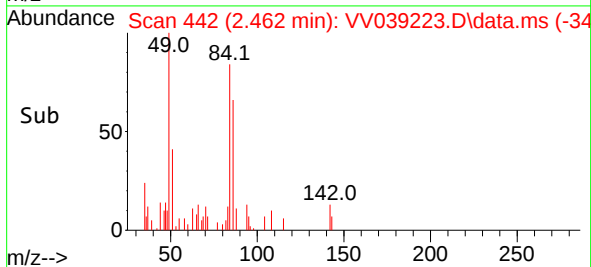
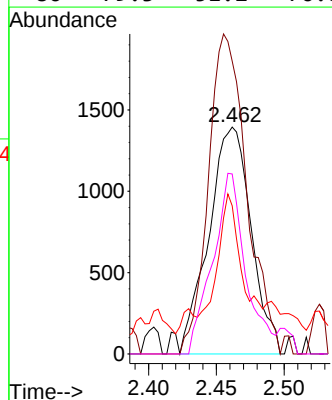
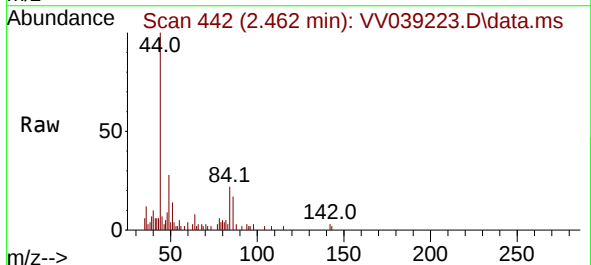
Instrument :
MSVOA_V
ClientSampleId :

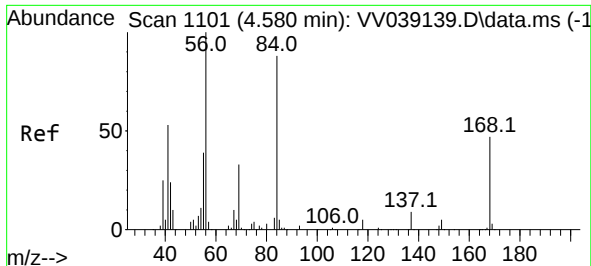
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
58 26.3 25.8 38.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion: 84 Resp: 3036
Ion Ratio Lower Upper
84 100
49 129.0 102.8 154.2
51 53.3 31.9 47.9#
86 79.3 51.2 76.8#

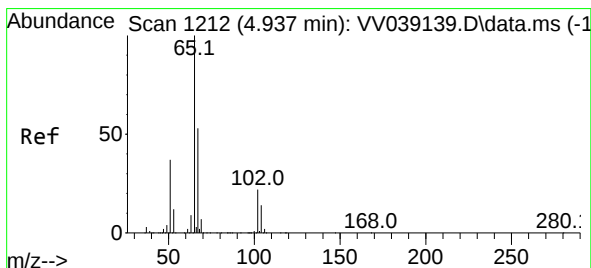
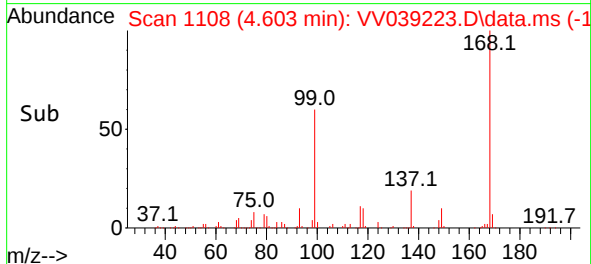
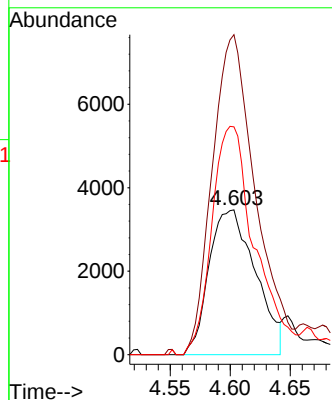
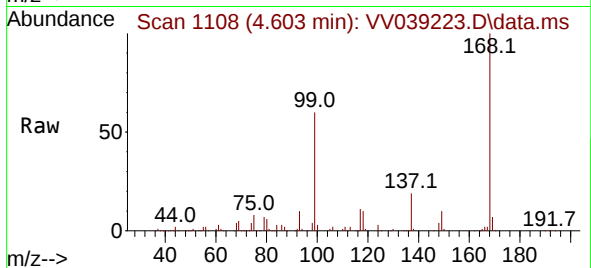




#31
Cyclohexane
Concen: 0.780 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.023 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

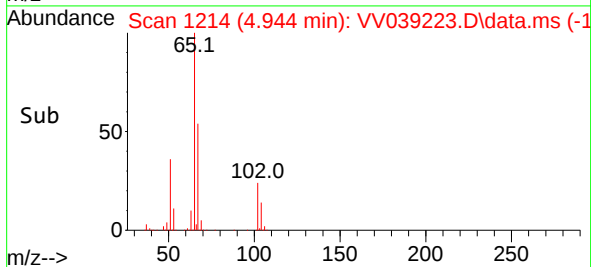
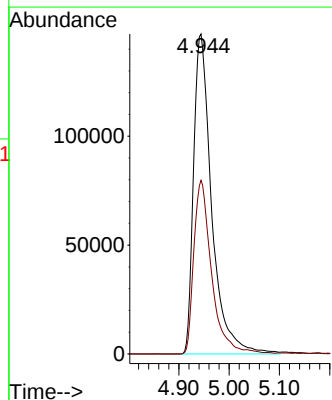
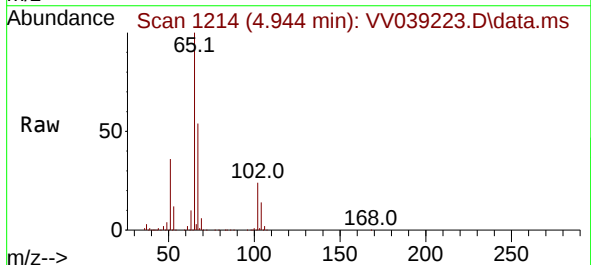
Instrument :
MSVOA_V
ClientSampleId :

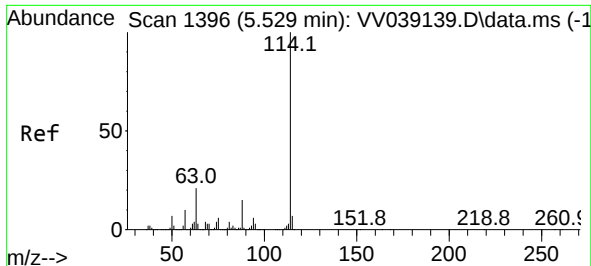
Tgt Ion: 56 Resp: 9338
Ion Ratio Lower Upper
56 100
69 221.1 26.2 39.2#
84 157.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 54.793 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.007 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion: 65 Resp: 367686
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039223.D

Acq: 29 Sep 2025 12:00

Instrument :

MSVOA_V

ClientSampleId :

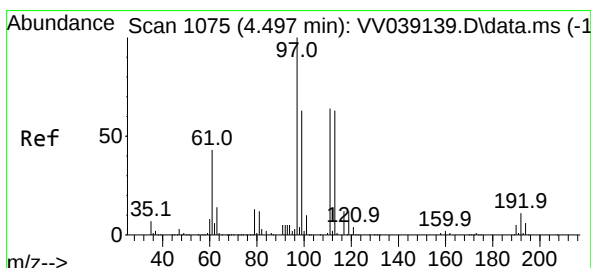
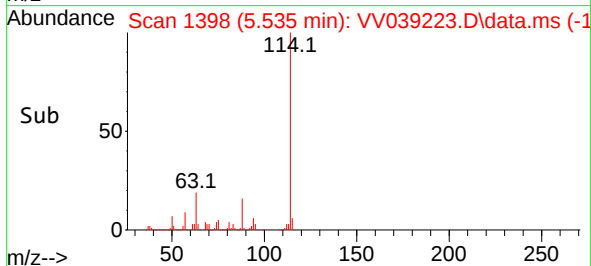
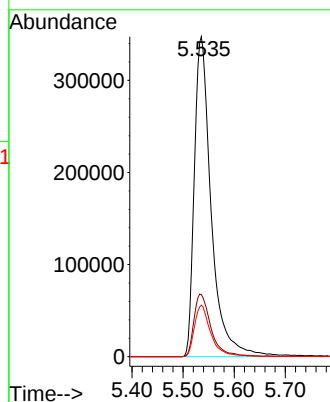
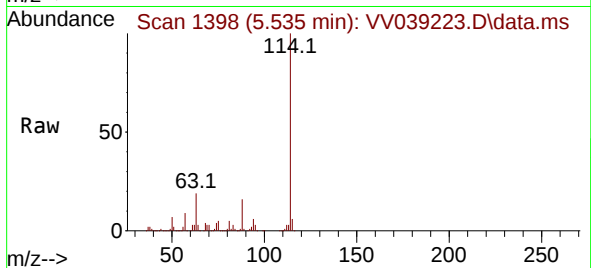
Tgt Ion:114 Resp: 797576

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 16.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.499 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VV039223.D

Acq: 29 Sep 2025 12:00

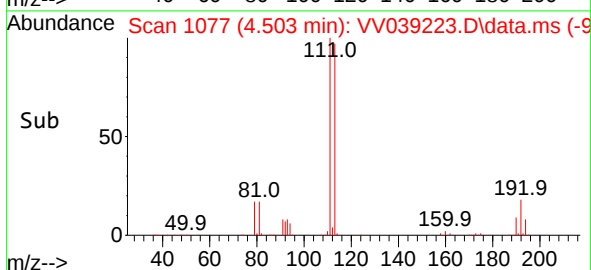
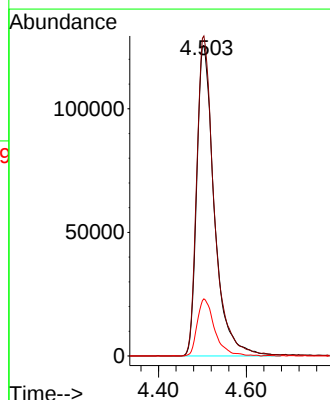
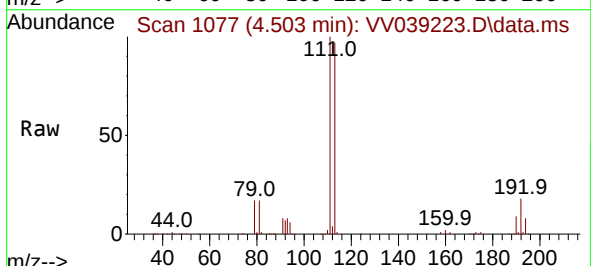
Tgt Ion:113 Resp: 349442

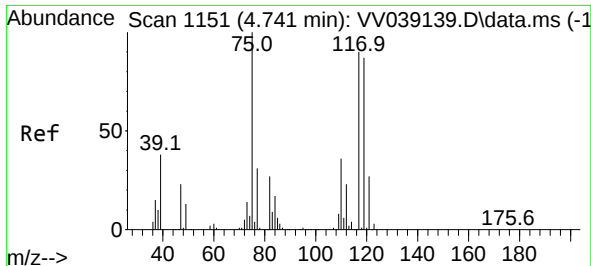
Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 18.1 13.8 20.8

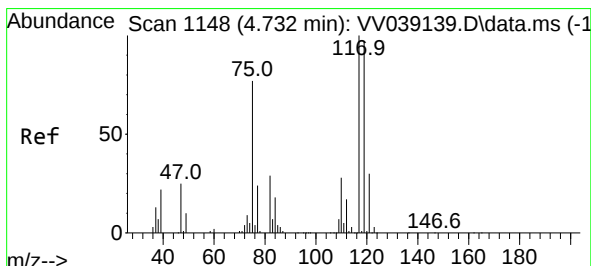
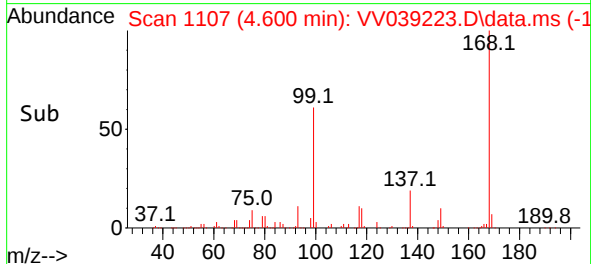
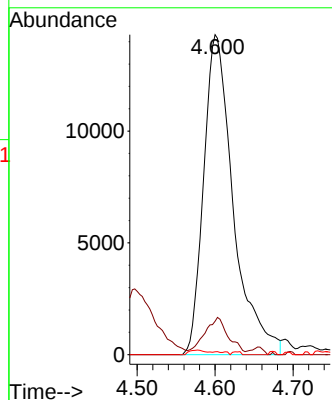
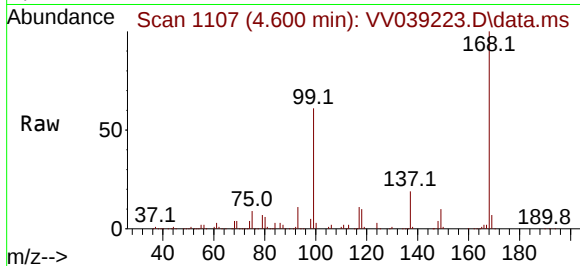




#36
 1,1-Dichloropropene
 Concen: 3.898 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.141 min
 Lab File: VV039223.D
 Acq: 29 Sep 2025 12:00

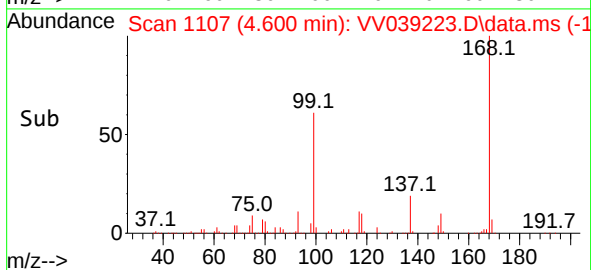
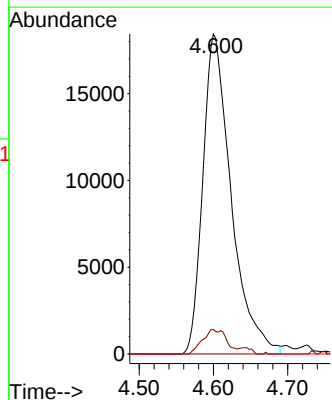
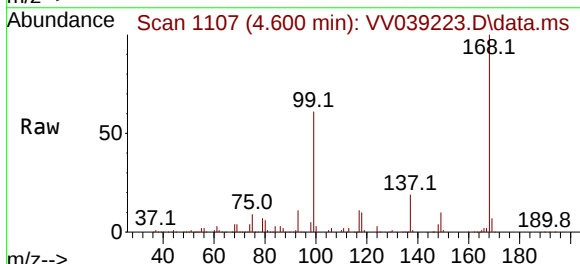
Instrument :
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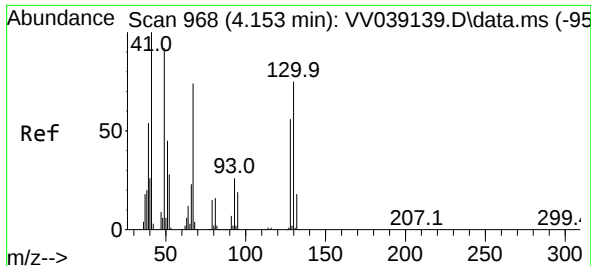
Tgt Ion: 75 Resp: 37792
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.1 54.1#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 4.122 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.132 min
 Lab File: VV039223.D
 Acq: 29 Sep 2025 12:00

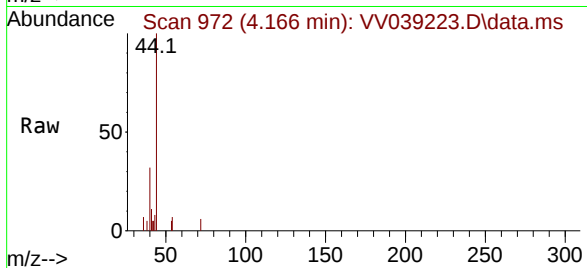
Tgt Ion: 117 Resp: 48837
 Ion Ratio Lower Upper
 117 100
 119 7.6 77.2 115.8#
 121 0.0 24.2 36.2#



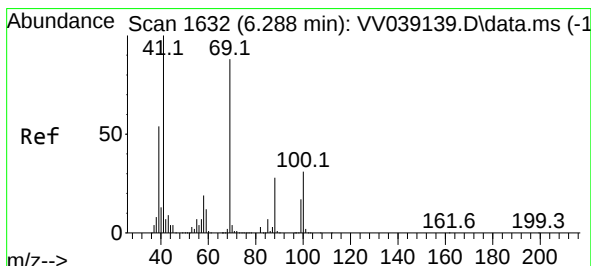
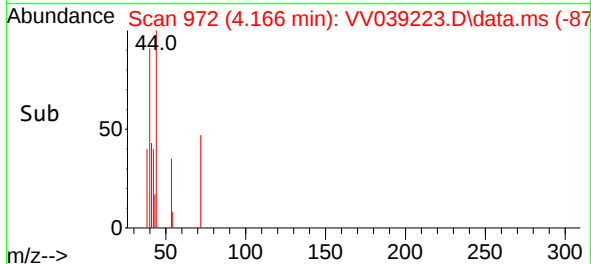
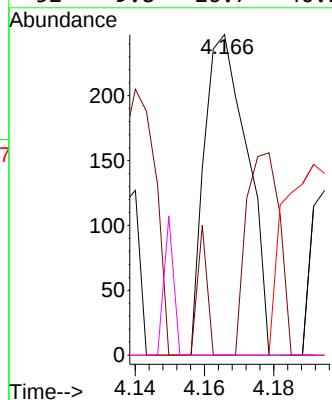


#41
Methacrylonitrile
Concen: 1.949 ug/l
RT: 4.166 min Scan# 91
Delta R.T. 0.013 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Instrument :
MSVOA_V
ClientSampleId :

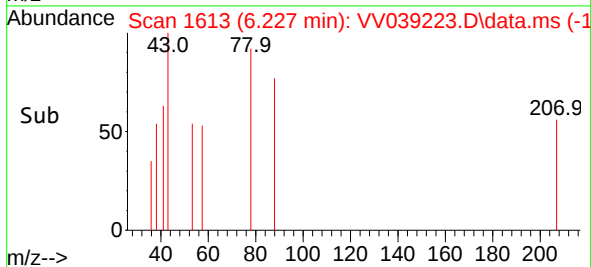
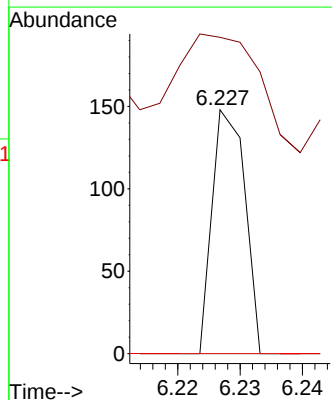
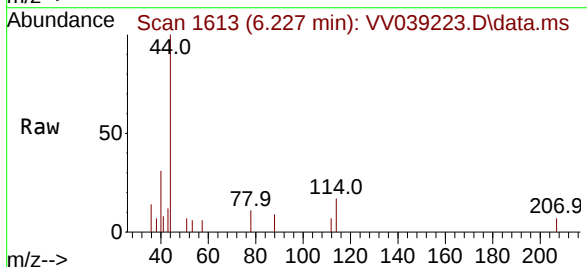


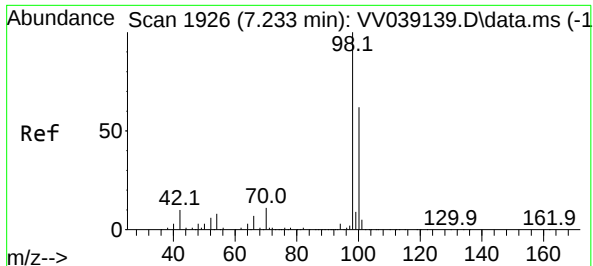
Tgt Ion:	41	Resp:	214
Ion	Ratio	Lower	Upper
41	100		
39	8.9	42.2	63.2#
67	0.0	67.9	101.9#
52	9.8	26.7	40.1#



#49
1,4-Dioxane
Concen: 0.460 ug/l
RT: 6.227 min Scan# 1613
Delta R.T. -0.061 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion:	88	Resp:	54
Ion	Ratio	Lower	Upper
88	100		
43	294.4	25.1	37.7#
58	0.0	53.6	80.4#

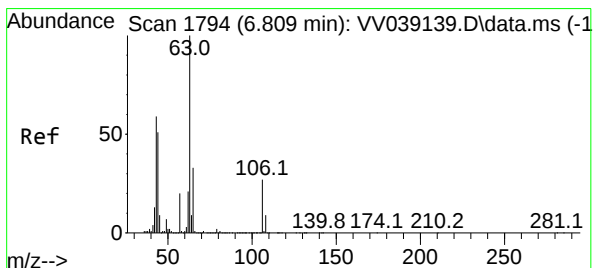
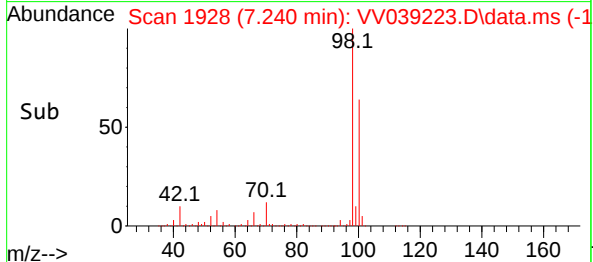
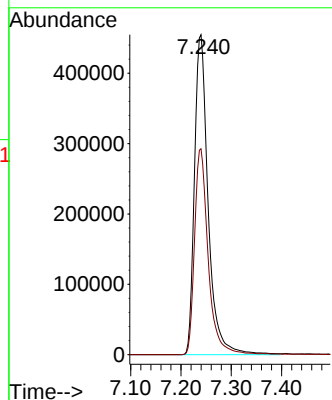
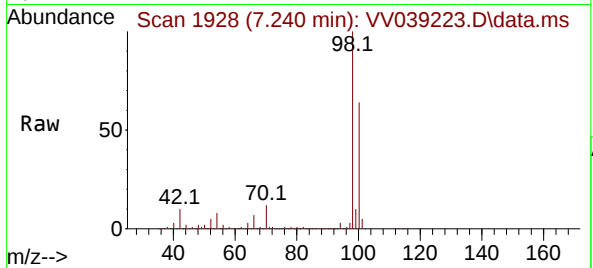




#50
Toluene-d8
Concen: 45.691 ug/l
RT: 7.240 min Scan# 1926
Delta R.T. 0.007 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

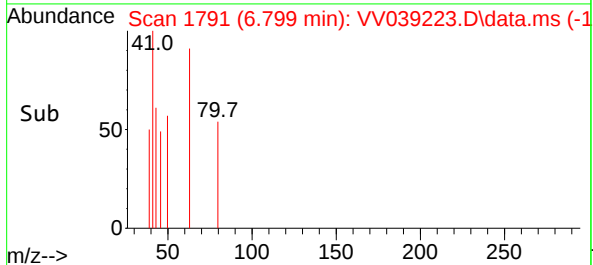
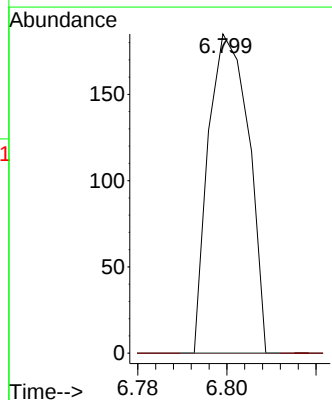
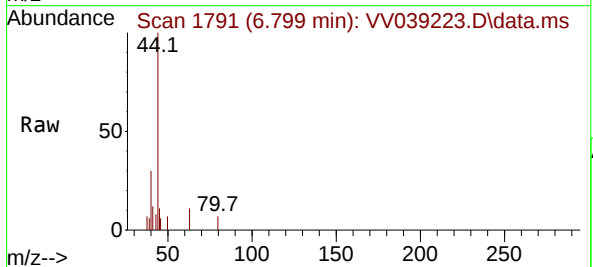
Instrument :
MSVOA_V
ClientSampleId :

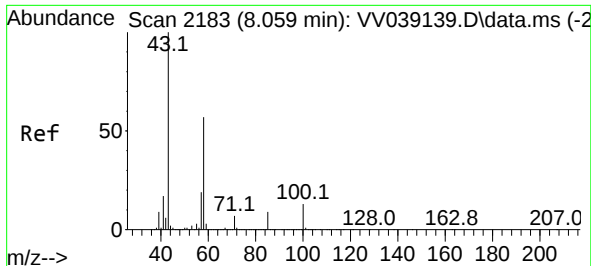
Tgt Ion: 98 Resp: 860432
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#58
2-Chloroethyl Vinyl ether
Concen: 9.643 ug/l
RT: 6.799 min Scan# 1791
Delta R.T. -0.010 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion: 63 Resp: 116
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#

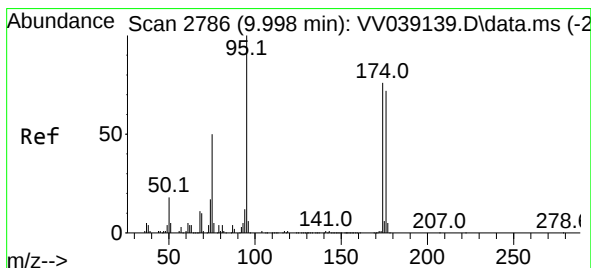
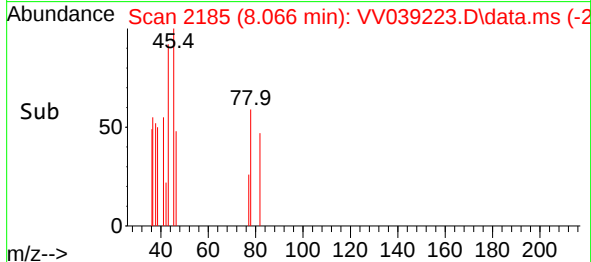
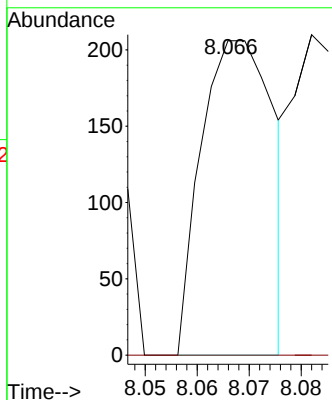
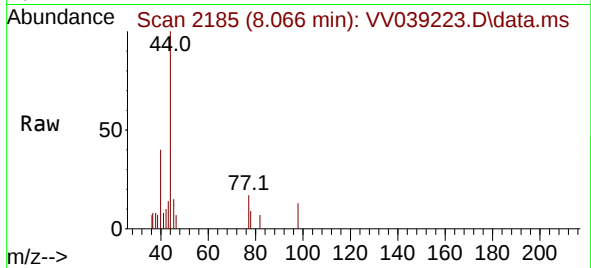




#59
2-Hexanone
Concen: 2.349 ug/l
RT: 8.066 min Scan# 2185
Delta R.T. 0.007 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

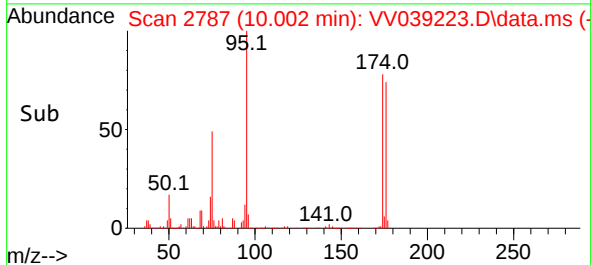
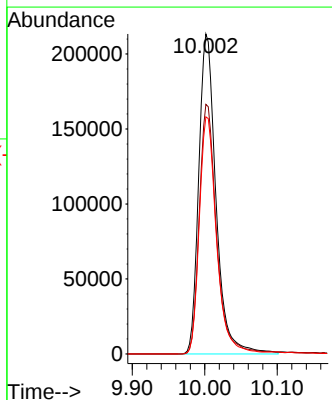
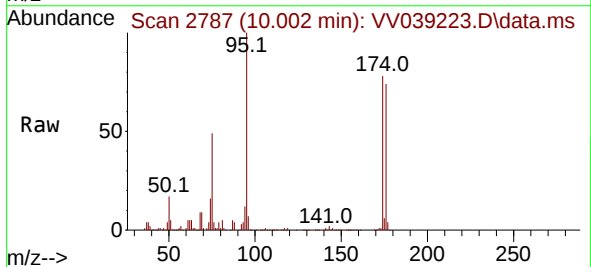
Instrument :
MSVOA_V
ClientSampleId :

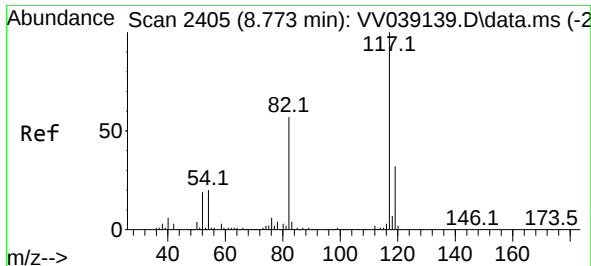
Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 45.557 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion: 95 Resp: 353180
Ion Ratio Lower Upper
95 100
174 77.7 0.0 150.4
176 73.8 0.0 144.2

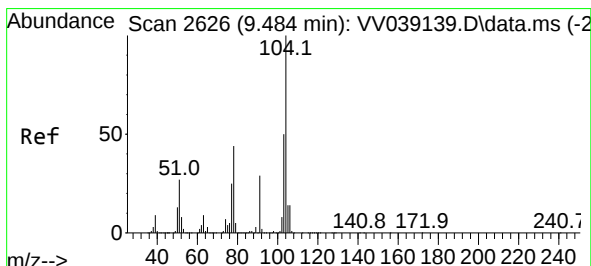
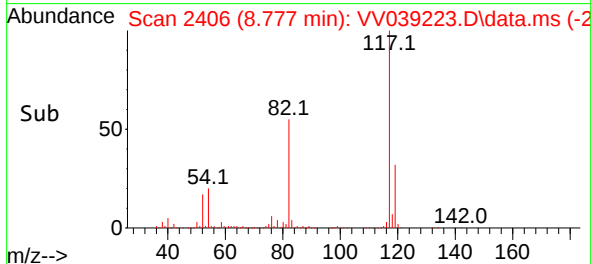
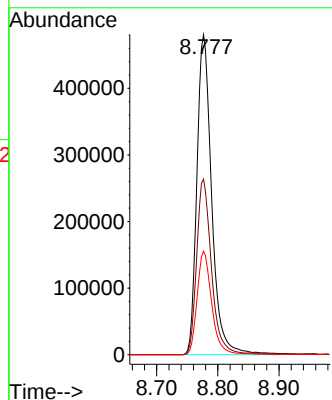
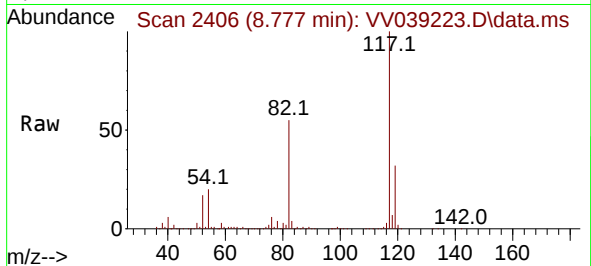




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.777 min Scan# 24
Delta R.T. 0.004 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

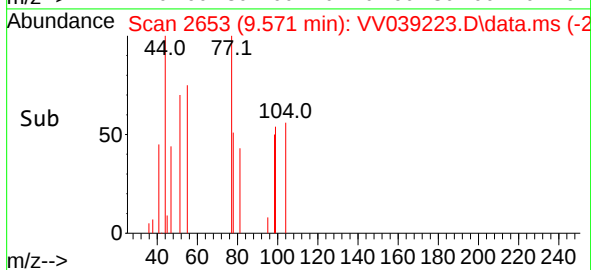
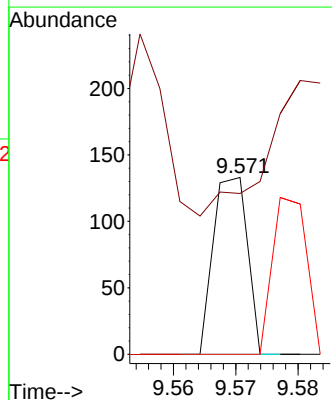
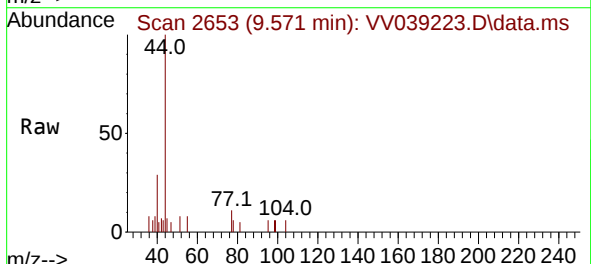
Instrument :
MSVOA_V
ClientSampleId :

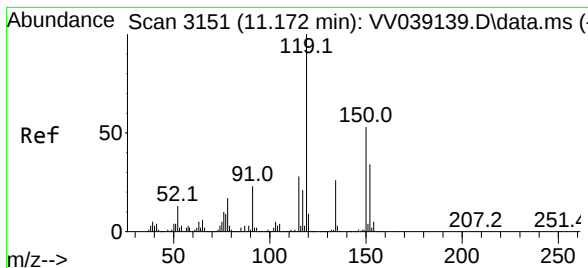
Tgt Ion:117 Resp: 809645
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.2
119 32.4 25.6 38.4



#70
Styrene
Concen: 1.563 ug/l
RT: 9.571 min Scan# 2653
Delta R.T. 0.087 min
Lab File: VV039223.D
Acq: 29 Sep 2025 12:00

Tgt Ion:104 Resp: 51
Ion Ratio Lower Upper
104 100
78 405.9 39.8 59.6#
103 88.2 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3151

Delta R.T. 0.003 min

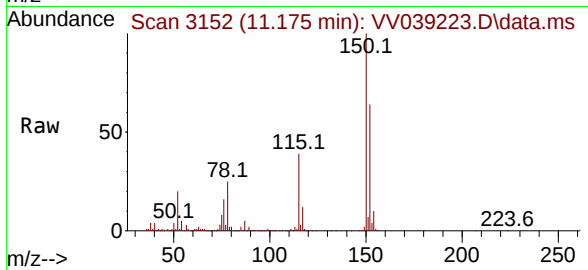
Lab File: VV039223.D

Acq: 29 Sep 2025 12:00

Instrument :

MSVOA_V

ClientSampleId :



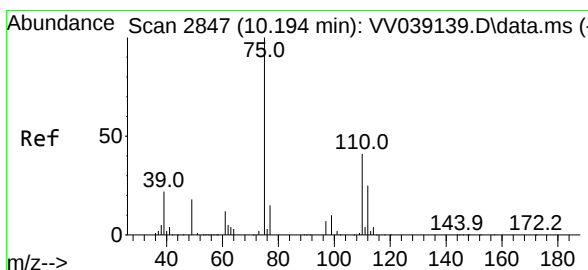
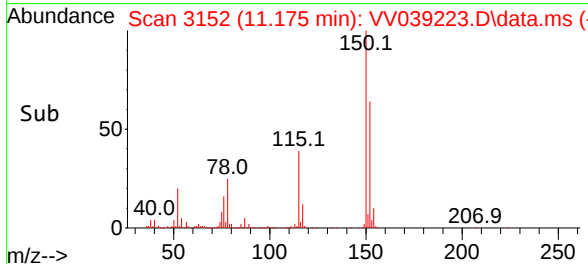
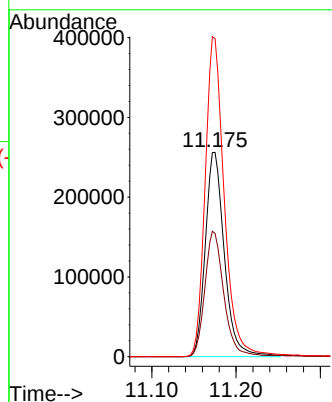
Tgt Ion:152 Resp: 403956

Ion Ratio Lower Upper

152 100

115 61.1 44.8 134.4

150 157.7 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 18.720 ug/l

RT: 10.002 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039223.D

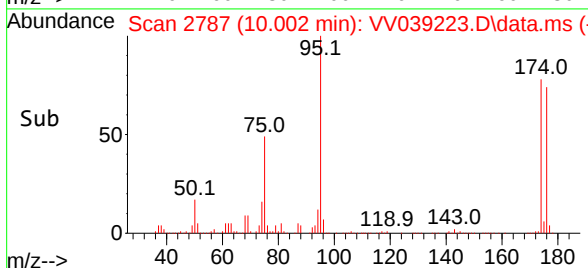
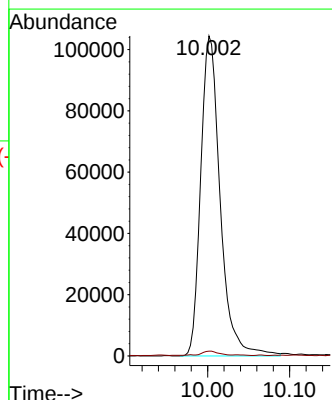
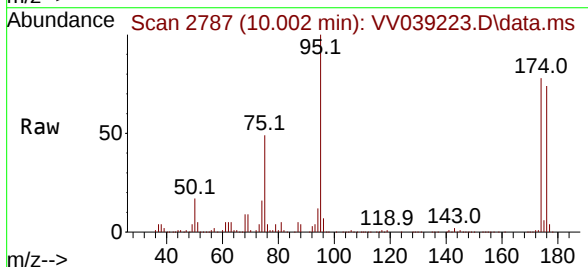
Acq: 29 Sep 2025 12:00

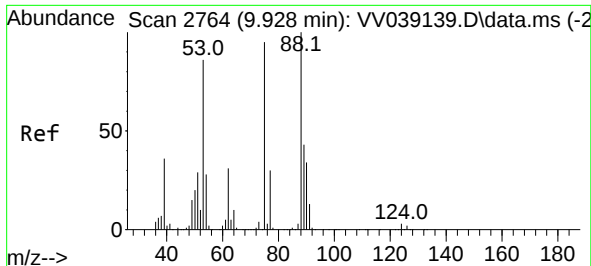
Tgt Ion: 75 Resp: 172179

Ion Ratio Lower Upper

75 100

77 1.0 11.3 33.8#

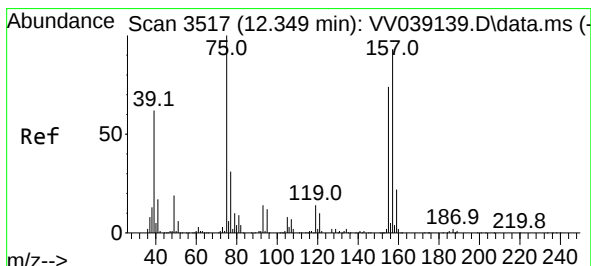
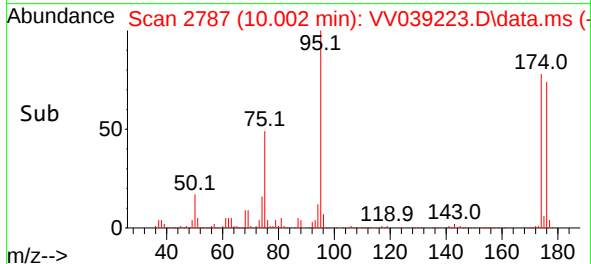
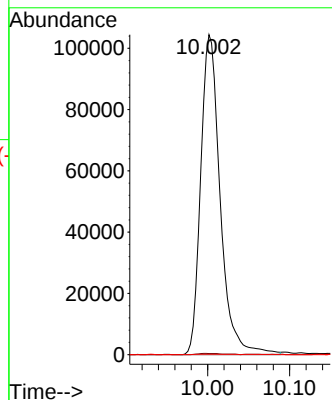
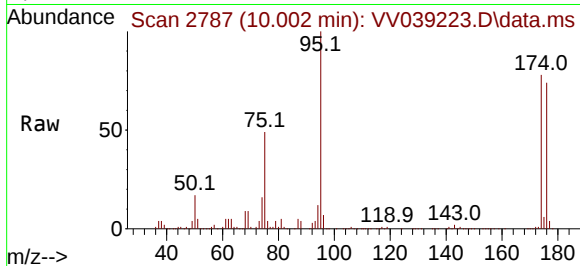




#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.942 ug/l
 RT: 10.002 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV039223.D
 Acq: 29 Sep 2025 12:00

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 172179
 Ion Ratio Lower Upper
 75 100
 53 0.4 72.5 108.7#
 89 0.0 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 12.333 min Scan# 3512
 Delta R.T. -0.016 min
 Lab File: VV039223.D
 Acq: 29 Sep 2025 12:00

Tgt Ion: 75 Resp: 41
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.8#
 157 0.0 49.5 148.3#

