

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039344.D
 Acq On : 05 Nov 2025 18:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 06 00:20:13 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)

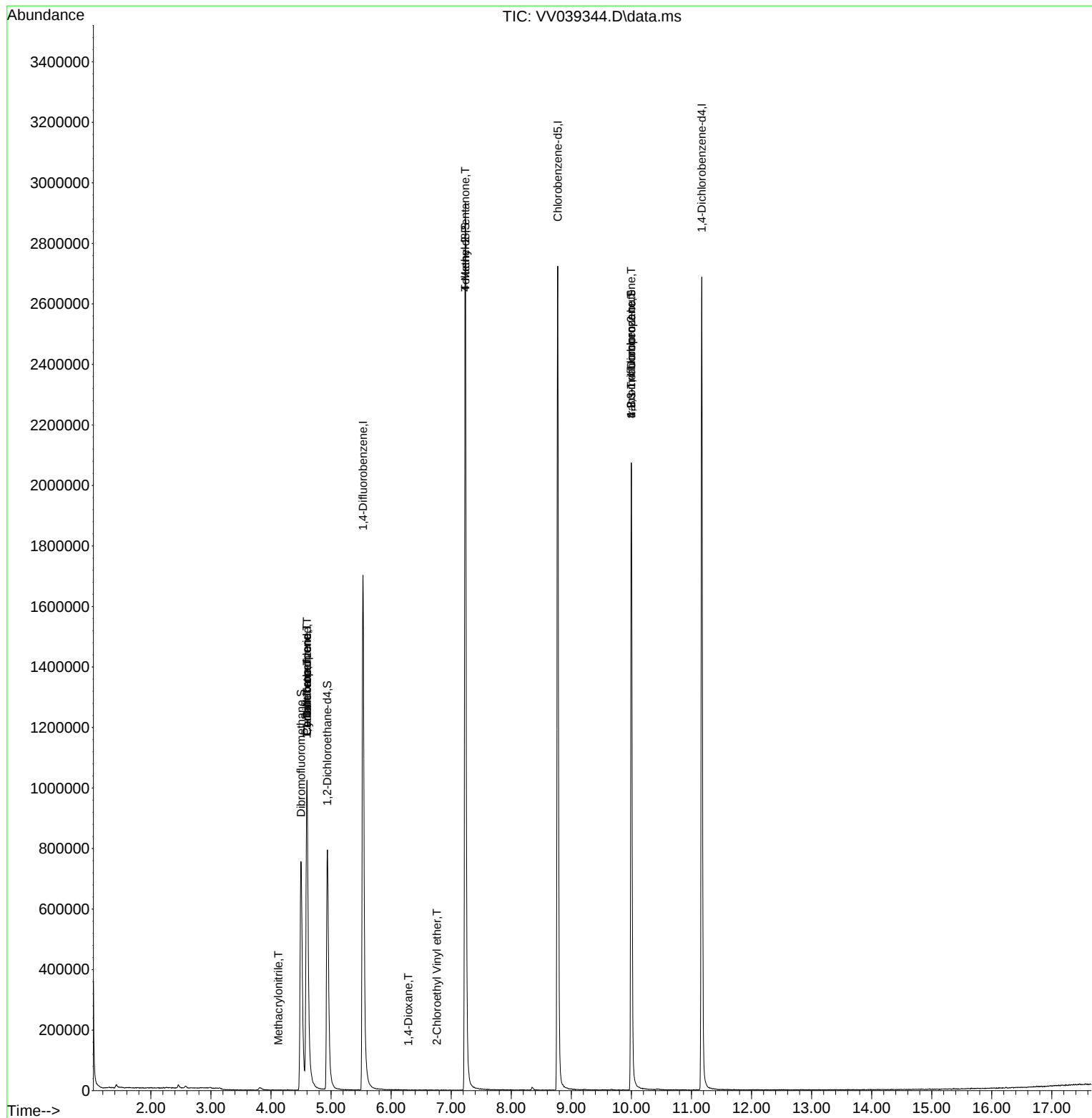
Internal Standards						
1) Pentafluorobenzene	4.600	168	900812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1687181	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1549674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	706931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	708852	55.379	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 110.760%			
35) Dibromofluoromethane	4.500	113	638747	48.049	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.100%			
50) Toluene-d8	7.236	98	2077599	45.939	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.880%			
62) 4-Bromofluorobenzene	9.998	95	708661	43.999	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.000%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.548	64	66	Below Cal	#	43
13) Acrolein	2.002	56	65	Below Cal	#	1
16) Acetone	2.134	43	1258	Below Cal	#	81
20) Methylene Chloride	2.462	84	4443	Below Cal		96
31) Cyclohexane	4.600	56	17339	1.028	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	73164	4.382	ug/l #	49
38) Carbon Tetrachloride	4.600	117	93005	4.572	ug/l #	18
41) Methacrylonitrile	4.124	41	44	1.696	ug/l #	1
49) 1,4-Dioxane	6.288	88	45	0.228	ug/l #	1
51) 4-Methyl-2-Pentanone	7.233	43	6859	0.386	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.760	63	43	8.472	ug/l #	45
76) 1,2,3-Trichloropropane	9.998	75	343691	24.359	ug/l #	54
81) trans-1,4-Dichloro-2-b...	9.998	75	343691	61.518	ug/l #	14

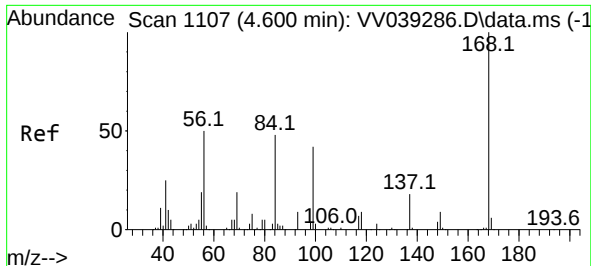
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039344.D
Acq On : 05 Nov 2025 18:28
Operator : SY/MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 06 00:20:13 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

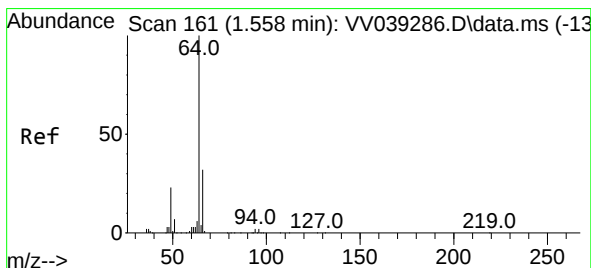
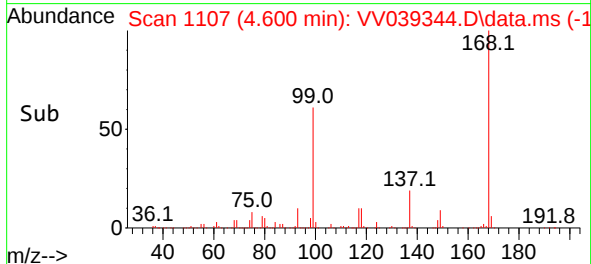
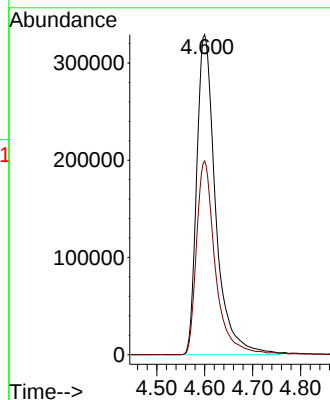
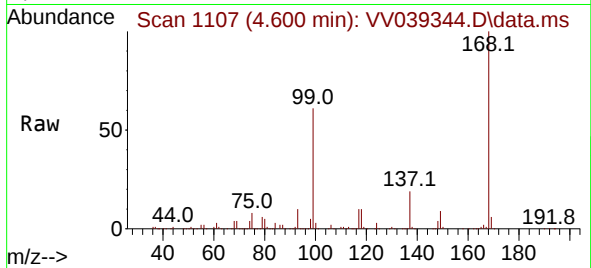




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

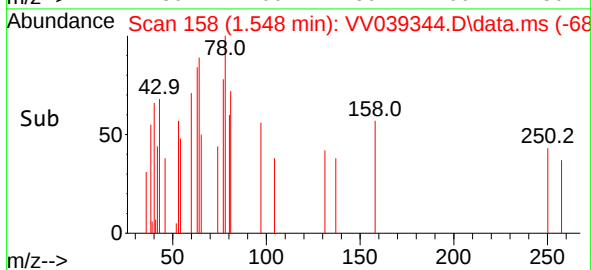
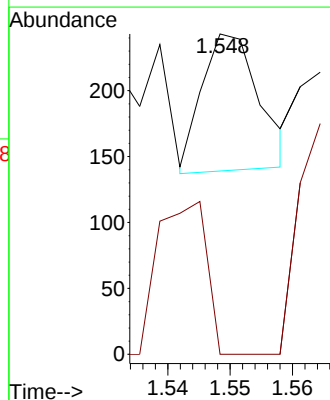
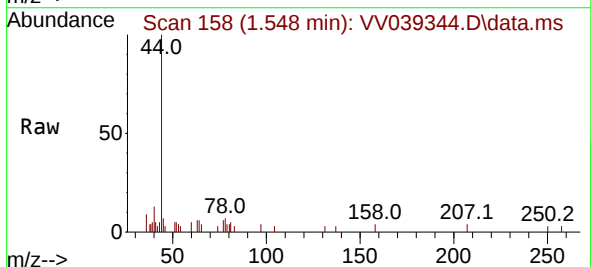
Instrument :
MSVOA_V
ClientSampleId :

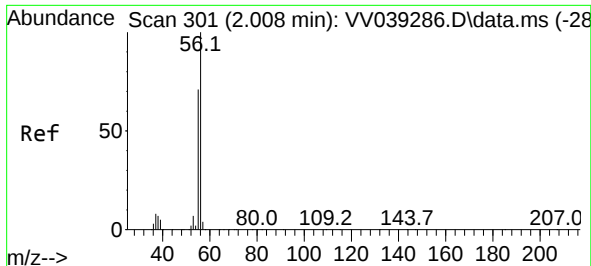
Tgt Ion:168 Resp: 900812
Ion Ratio Lower Upper
168 100
99 60.6 46.6 70.0



#6
Chloroethane
Concen: Below Cal
RT: 1.548 min Scan# 158
Delta R.T. -0.010 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

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

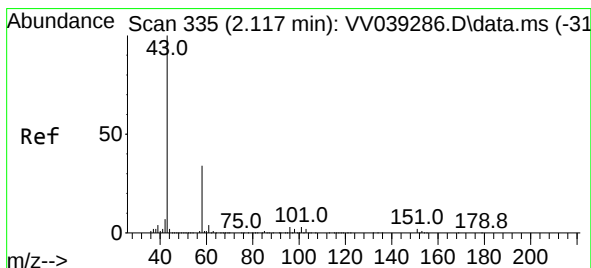
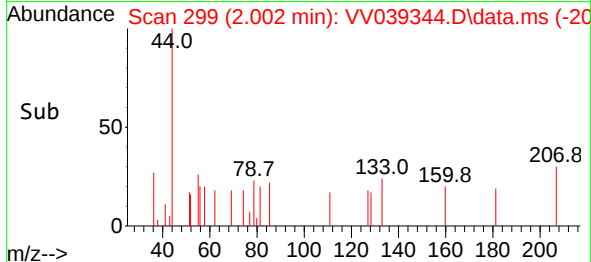
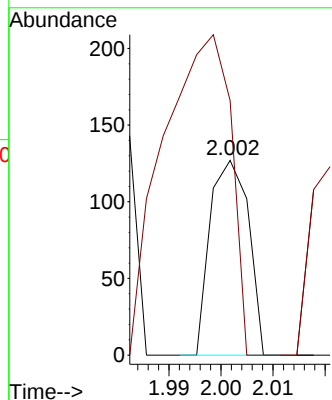
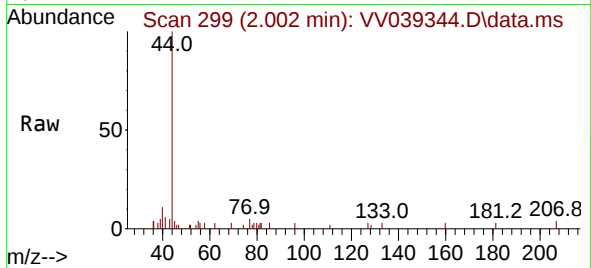




#13
Acrolein
Concen: Below Cal
RT: 2.002 min Scan# 24
Delta R.T. -0.006 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

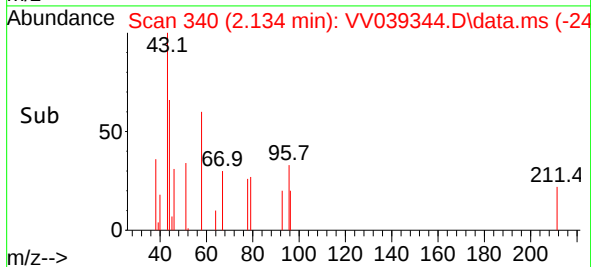
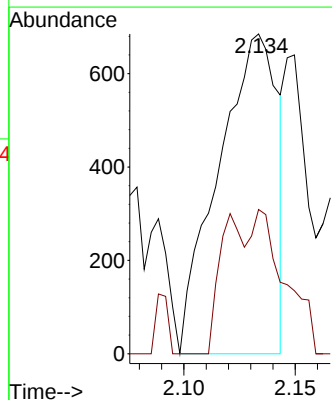
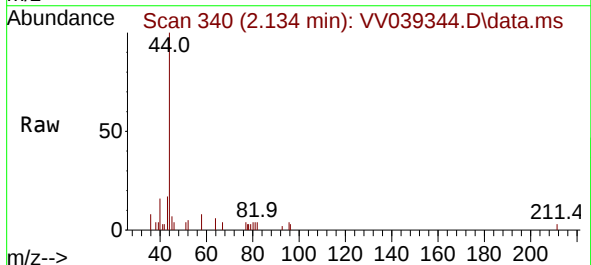
Instrument :
MSVOA_V
ClientSampleId :

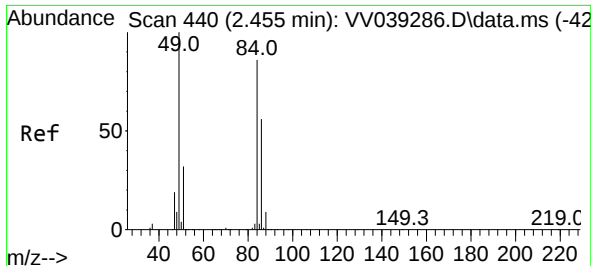
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 292.3 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.134 min Scan# 340
Delta R.T. 0.016 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

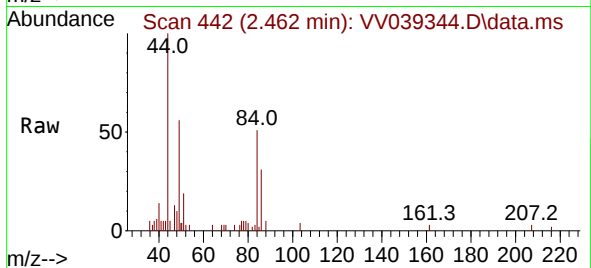
Tgt Ion: 43 Resp: 1258
Ion Ratio Lower Upper
43 100
58 45.1 27.5 41.3#



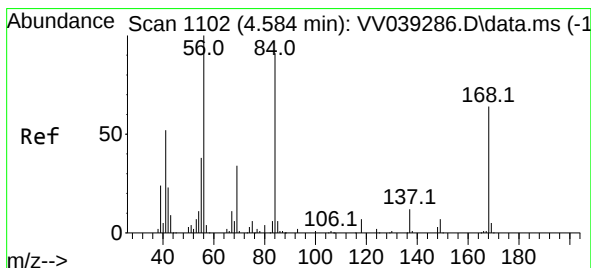
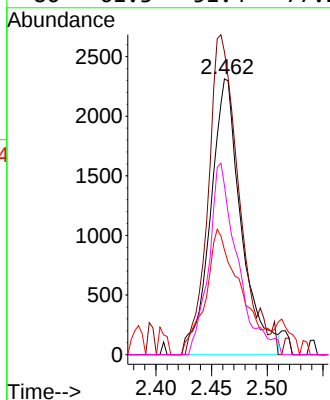
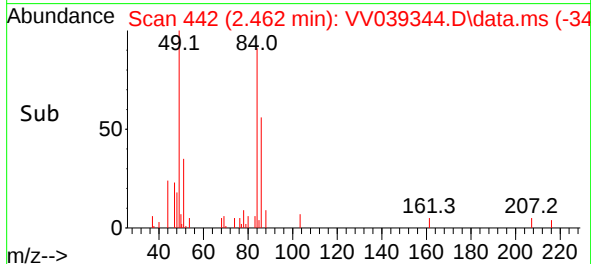


#20
Methylene Chloride
Concen: Below Cal
RT: 2.462 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

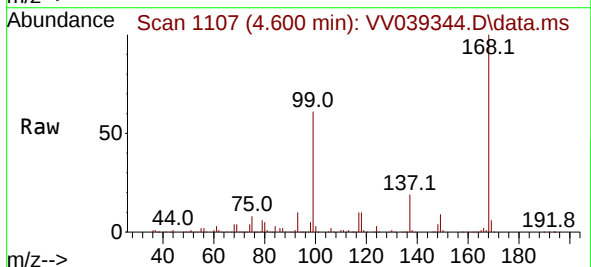
Instrument :
MSVOA_V
ClientSampleId :



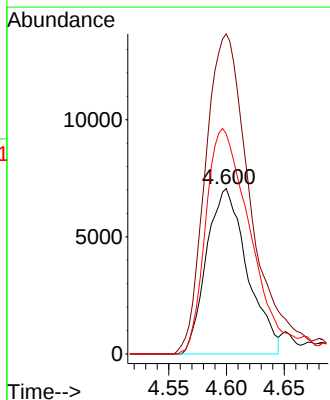
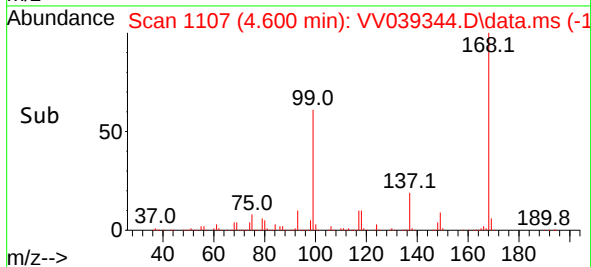
Tgt Ion: 84	Resp: 4443
Ion Ratio	Lower Upper
84 100	
49 109.9	92.6 139.0
51 38.0	29.6 44.4
86 61.3	51.4 77.2

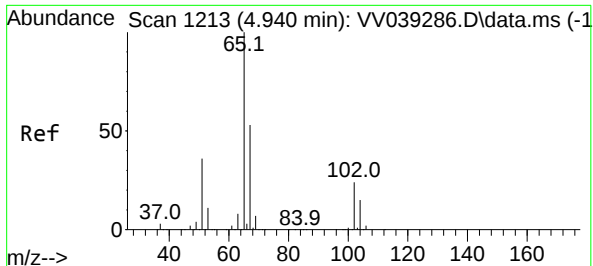


#31
Cyclohexane
Concen: 1.028 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. 0.016 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28



Tgt Ion: 56	Resp: 17339
Ion Ratio	Lower Upper
56 100	
69 191.3	27.4 41.0#
84 133.1	72.8 109.2#





#33

1,2-Dichloroethane-d4

Concen: 55.379 ug/l

RT: 4.937 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

Instrument :

MSVOA_V

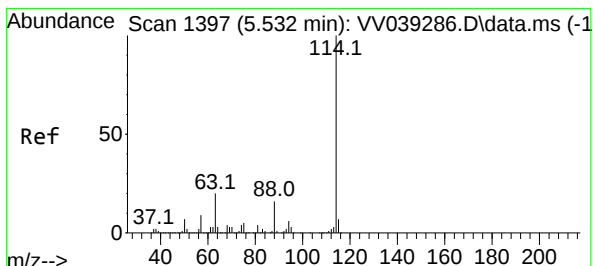
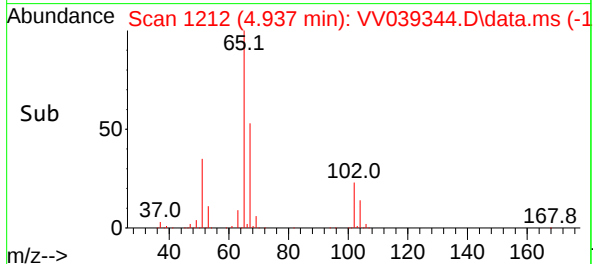
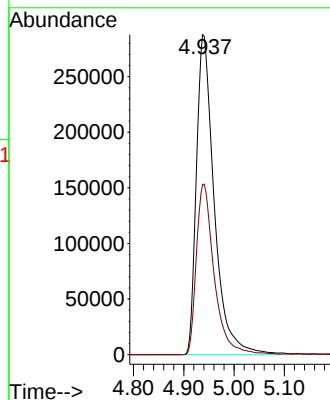
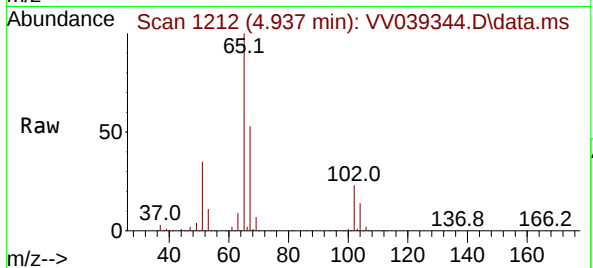
ClientSampleId :

Tgt Ion: 65 Resp: 708852

Ion Ratio Lower Upper

65 100

67 53.4 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: VV039344.D

Acq: 05 Nov 2025 18:28

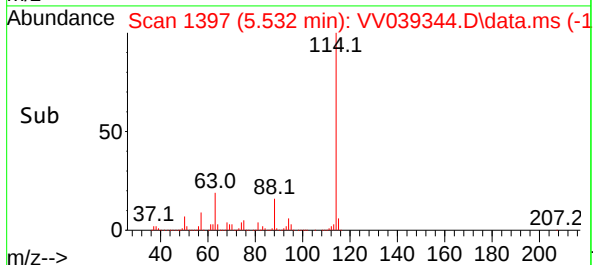
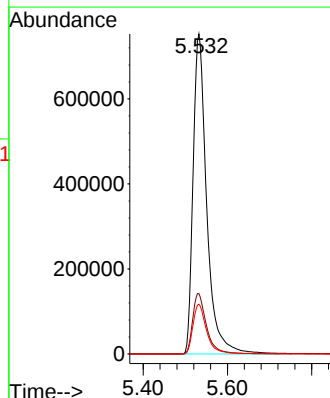
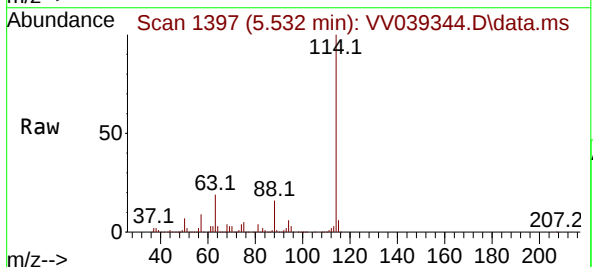
Tgt Ion: 114 Resp: 1687181

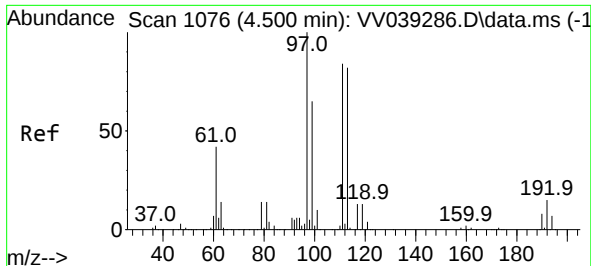
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.049 ug/l

RT: 4.500 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

Instrument :

MSVOA_V

ClientSampleId :

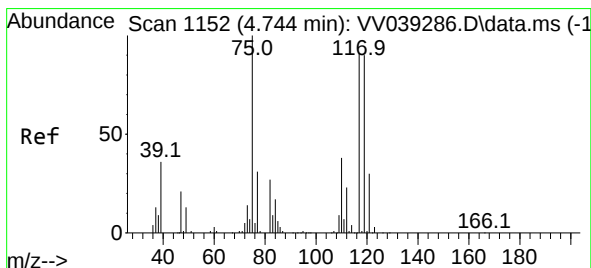
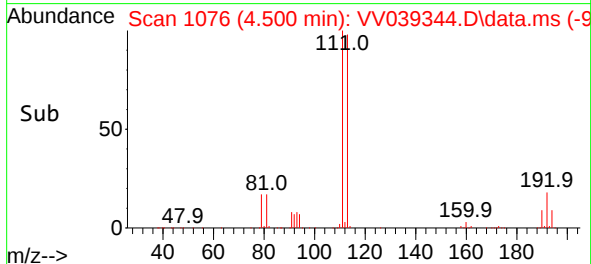
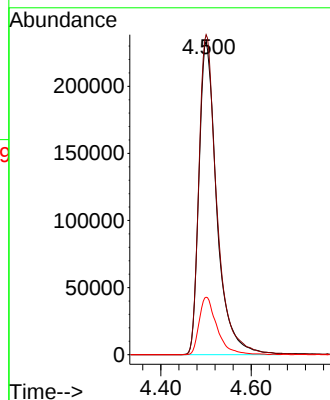
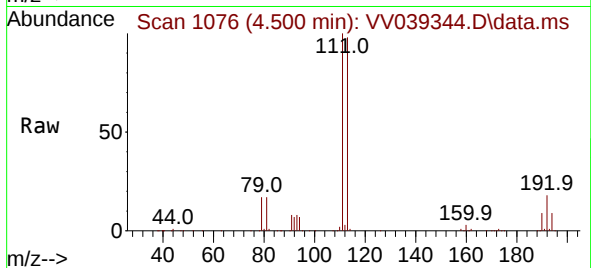
Tgt Ion:113 Resp: 638747

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 18.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.382 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.148 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

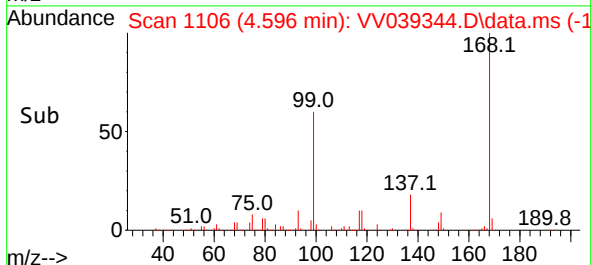
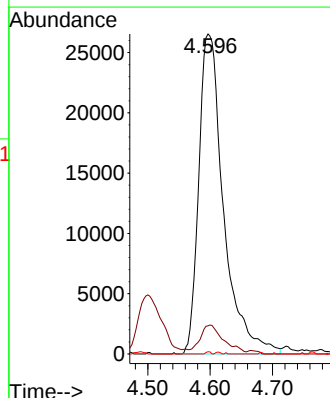
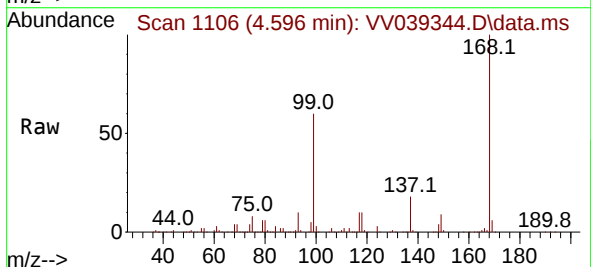
Tgt Ion: 75 Resp: 73164

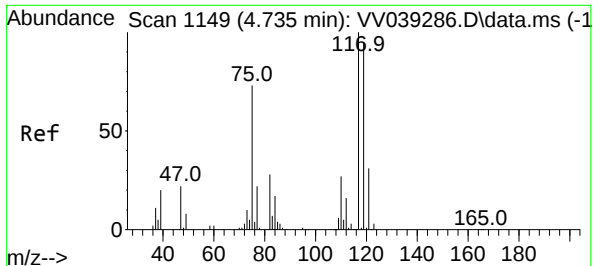
Ion Ratio Lower Upper

75 100

110 8.7 18.9 56.7#

77 0.1 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 4.572 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

Instrument :

MSVOA_V

ClientSampleId :

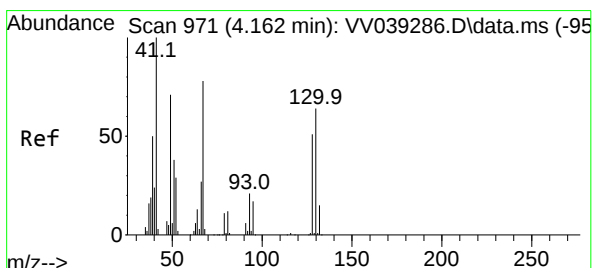
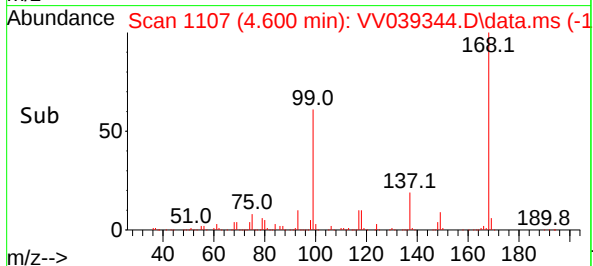
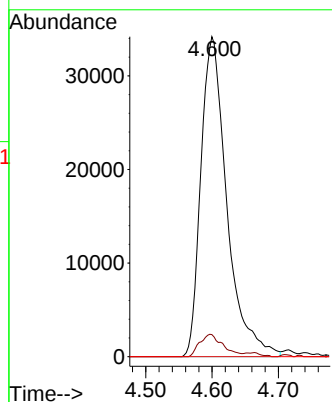
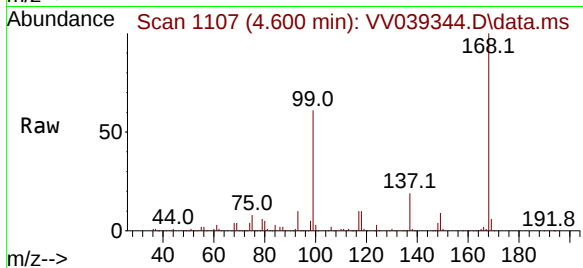
Tgt Ion:117 Resp: 93005

Ion Ratio Lower Upper

117 100

119 6.9 75.9 113.9#

121 0.0 24.6 37.0#



#41

Methacrylonitrile

Concen: 1.696 ug/l

RT: 4.124 min Scan# 959

Delta R.T. -0.039 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

Tgt Ion: 41 Resp: 44

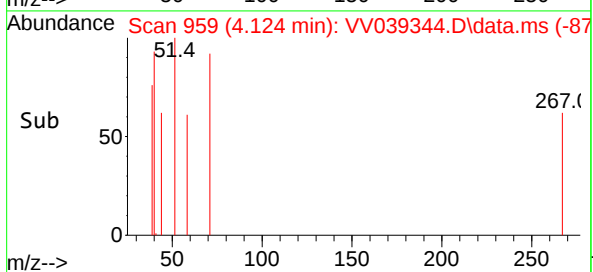
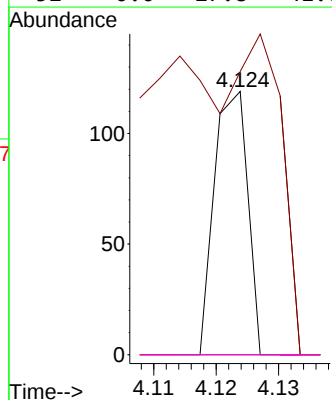
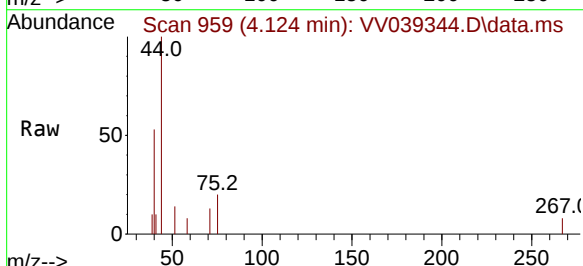
Ion Ratio Lower Upper

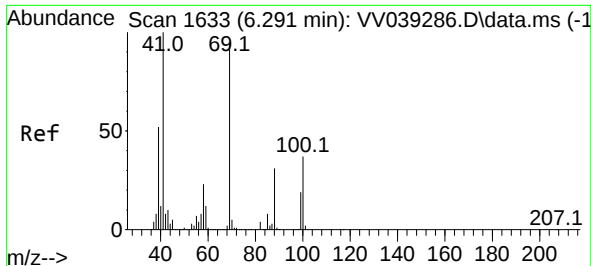
41 100

39 268.2 40.9 61.3#

67 0.0 73.1 109.7#

52 0.0 27.8 41.6#





#49

1,4-Dioxane

Concen: 0.228 ug/l

RT: 6.288 min Scan# 1

Delta R.T. -0.003 min

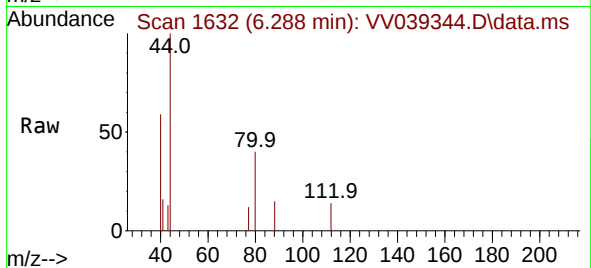
Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

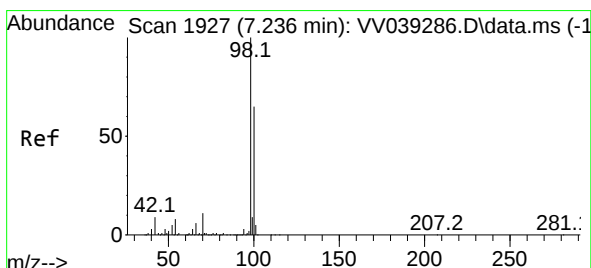
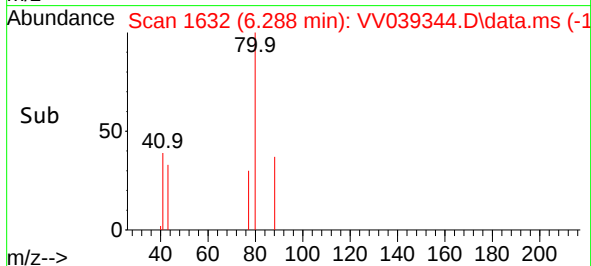
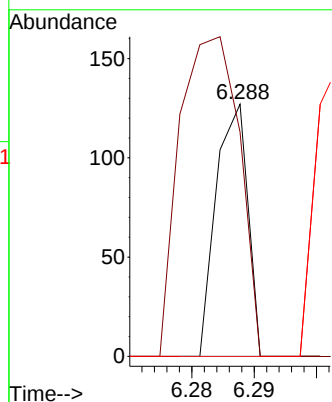
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	88	Resp:	45
Ion	Ratio	Lower	Upper
88	100		
43	237.8	24.1	36.1#
58	0.0	57.6	86.4#



#50

Toluene-d8

Concen: 45.939 ug/l

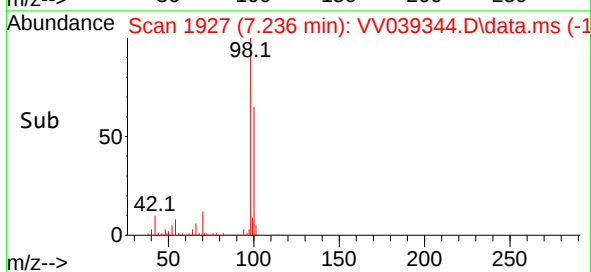
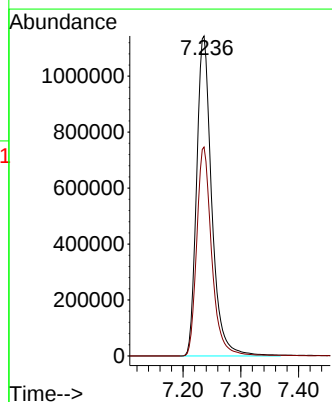
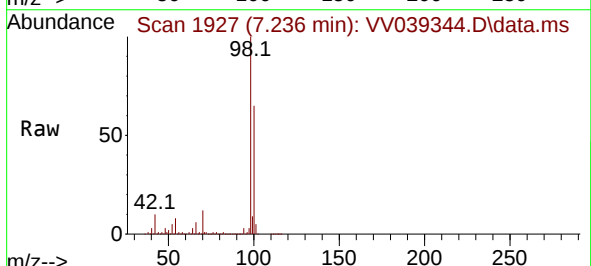
RT: 7.236 min Scan# 1927

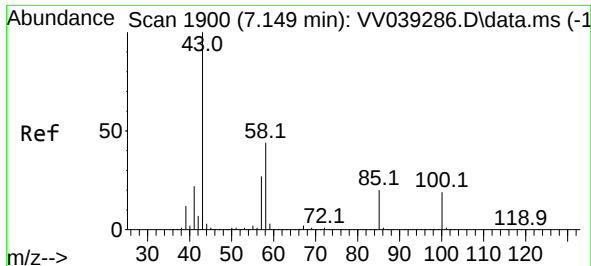
Delta R.T. 0.000 min

Lab File: VV039344.D

Acq: 05 Nov 2025 18:28

Tgt Ion:	98	Resp:	2077599
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2

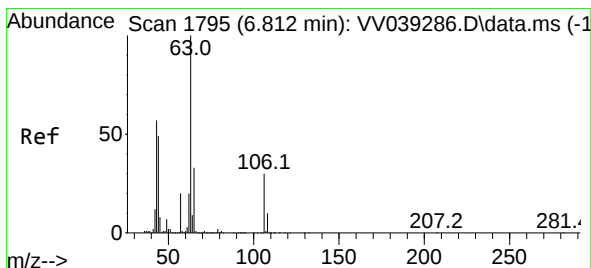
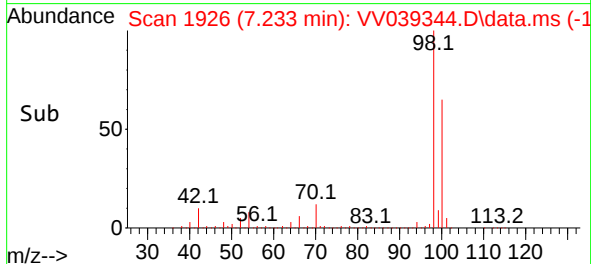
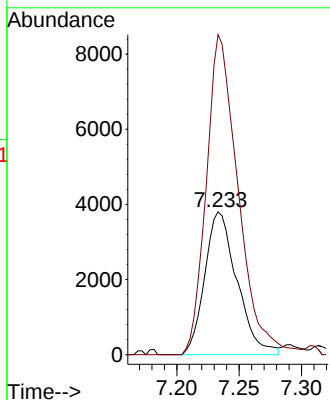
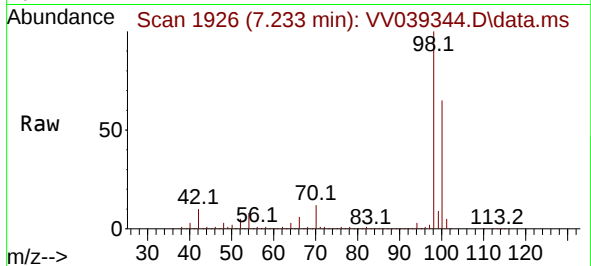




#51
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 7.233 min Scan# 1900
Delta R.T. 0.084 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

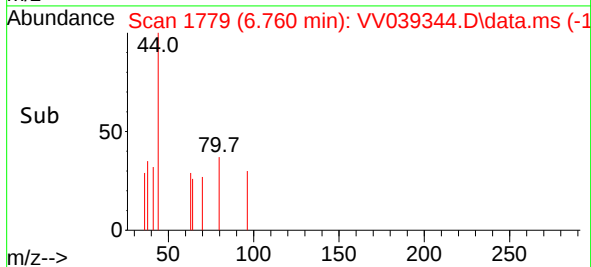
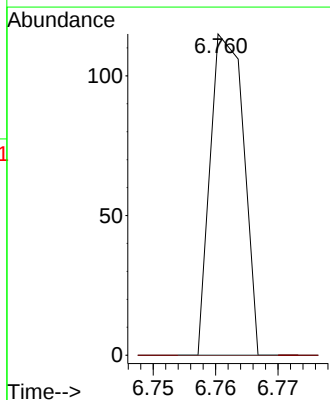
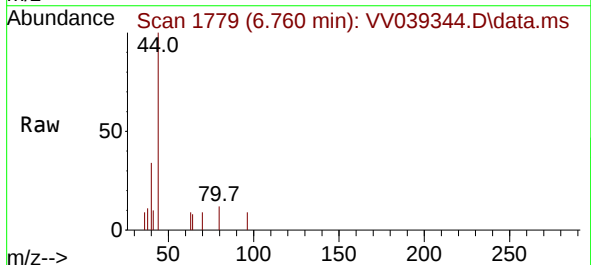
Instrument :
MSVOA_V
ClientSampleId :

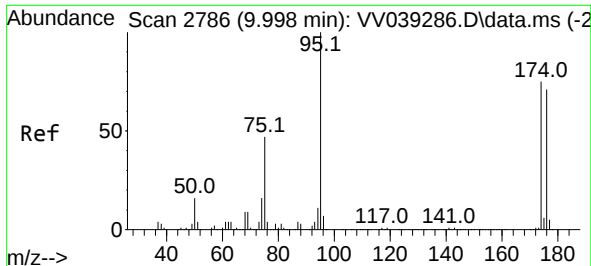
Tgt Ion: 43 Resp: 6859
Ion Ratio Lower Upper
43 100
58 221.3 34.2 51.4#



#58
2-Chloroethyl Vinyl ether
Concen: 8.472 ug/l
RT: 6.760 min Scan# 1779
Delta R.T. -0.051 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

Tgt Ion: 63 Resp: 43
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

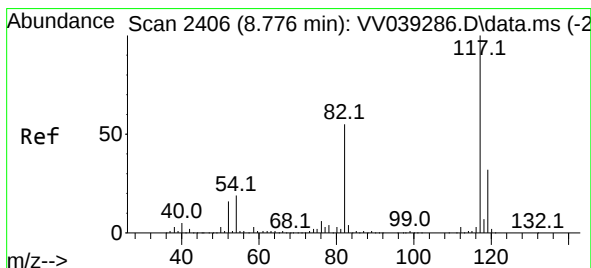
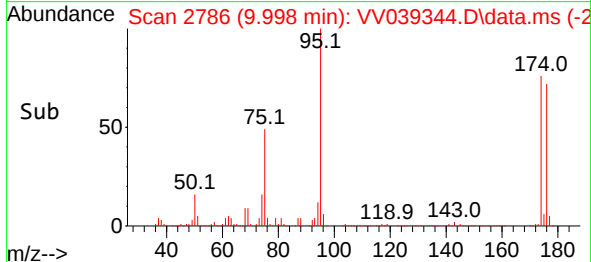
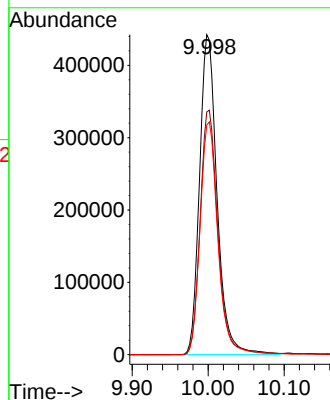
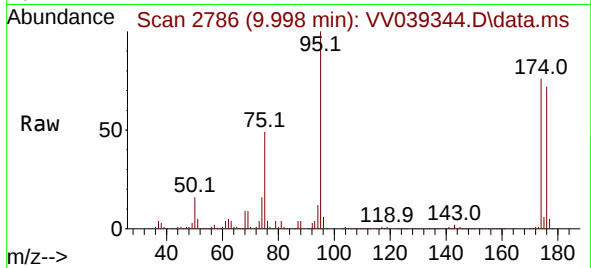




#62
4-Bromofluorobenzene
Concen: 43.999 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

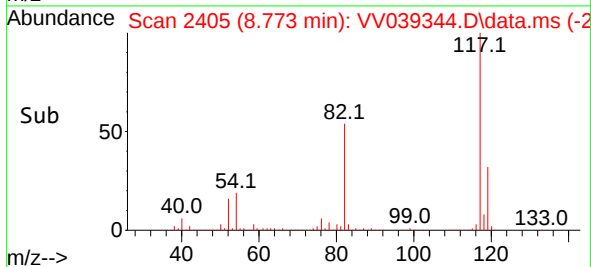
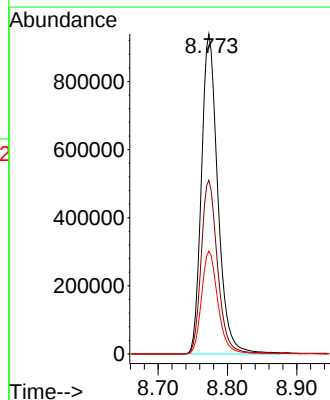
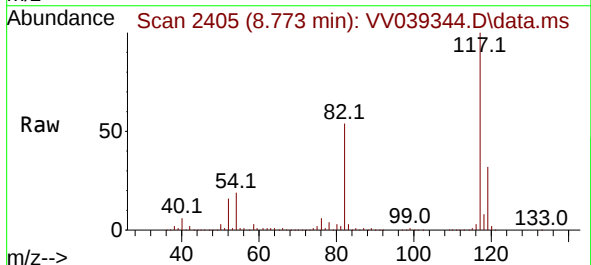
Instrument :
MSVOA_V
ClientSampleId :

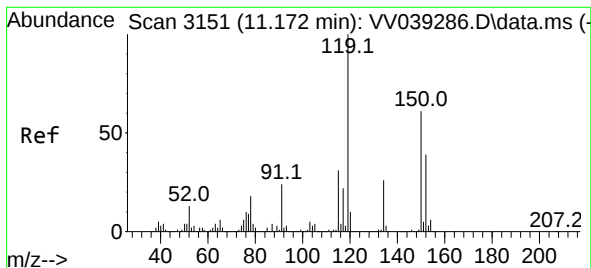
Tgt Ion: 95 Resp: 708661
Ion Ratio Lower Upper
95 100
174 78.4 0.0 153.6
176 74.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039344.D
Acq: 05 Nov 2025 18:28

Tgt Ion: 117 Resp: 1549674
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.8
119 32.1 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: VV039344.D

Acq: 05 Nov 2025 18:28

Instrument :

MSVOA_V

ClientSampleId :

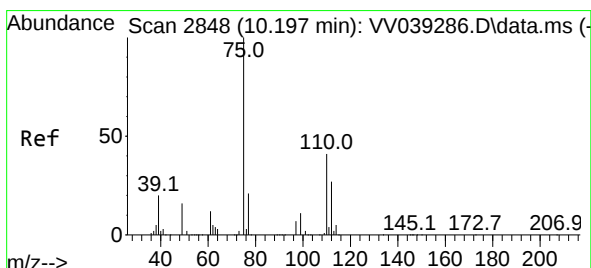
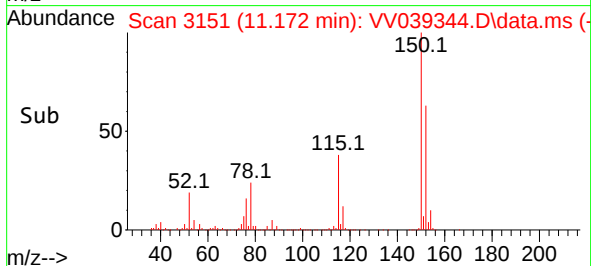
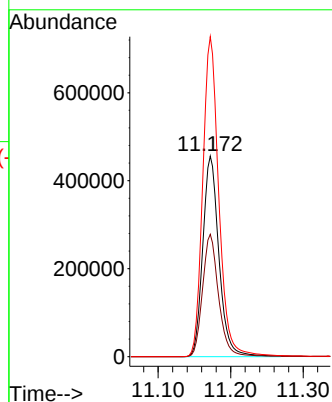
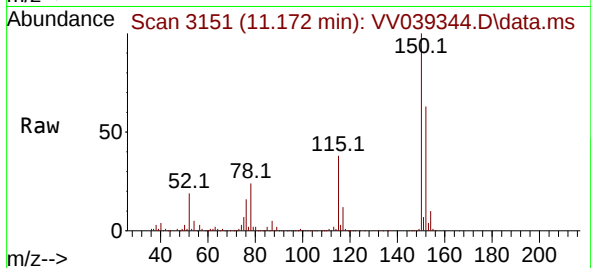
Tgt Ion:152 Resp: 706931

Ion Ratio Lower Upper

152 100

115 60.7 42.3 126.8

150 158.9 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 24.359 ug/l

RT: 9.998 min Scan# 2786

Delta R.T. -0.199 min

Lab File: VV039344.D

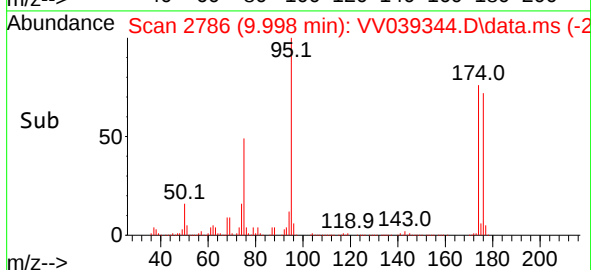
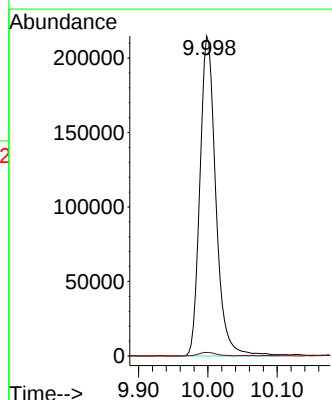
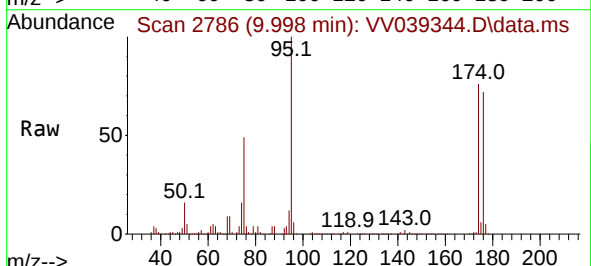
Acq: 05 Nov 2025 18:28

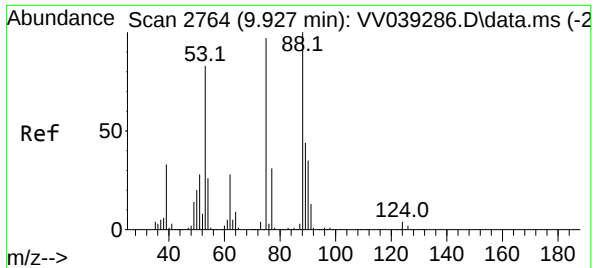
Tgt Ion: 75 Resp: 343691

Ion Ratio Lower Upper

75 100

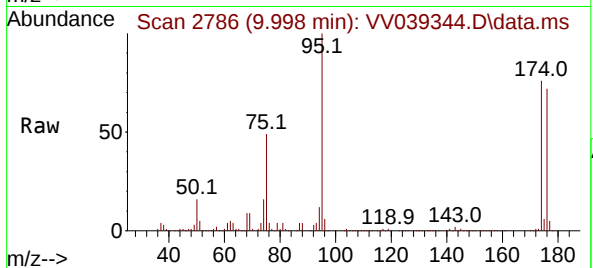
77 1.3 12.2 36.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.518 ug/l
 RT: 9.998 min Scan# 21
 Delta R.T. 0.071 min
 Lab File: VV039344.D
 Acq: 05 Nov 2025 18:28

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 343691
 Ion Ratio Lower Upper
 75 100
 53 0.4 69.9 104.9#
 89 0.0 37.4 56.0#

