

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039307.D
 Acq On : 04 Nov 2025 11:52
 Operator : SY/MD
 Sample : VV1104MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 00:32:05 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)

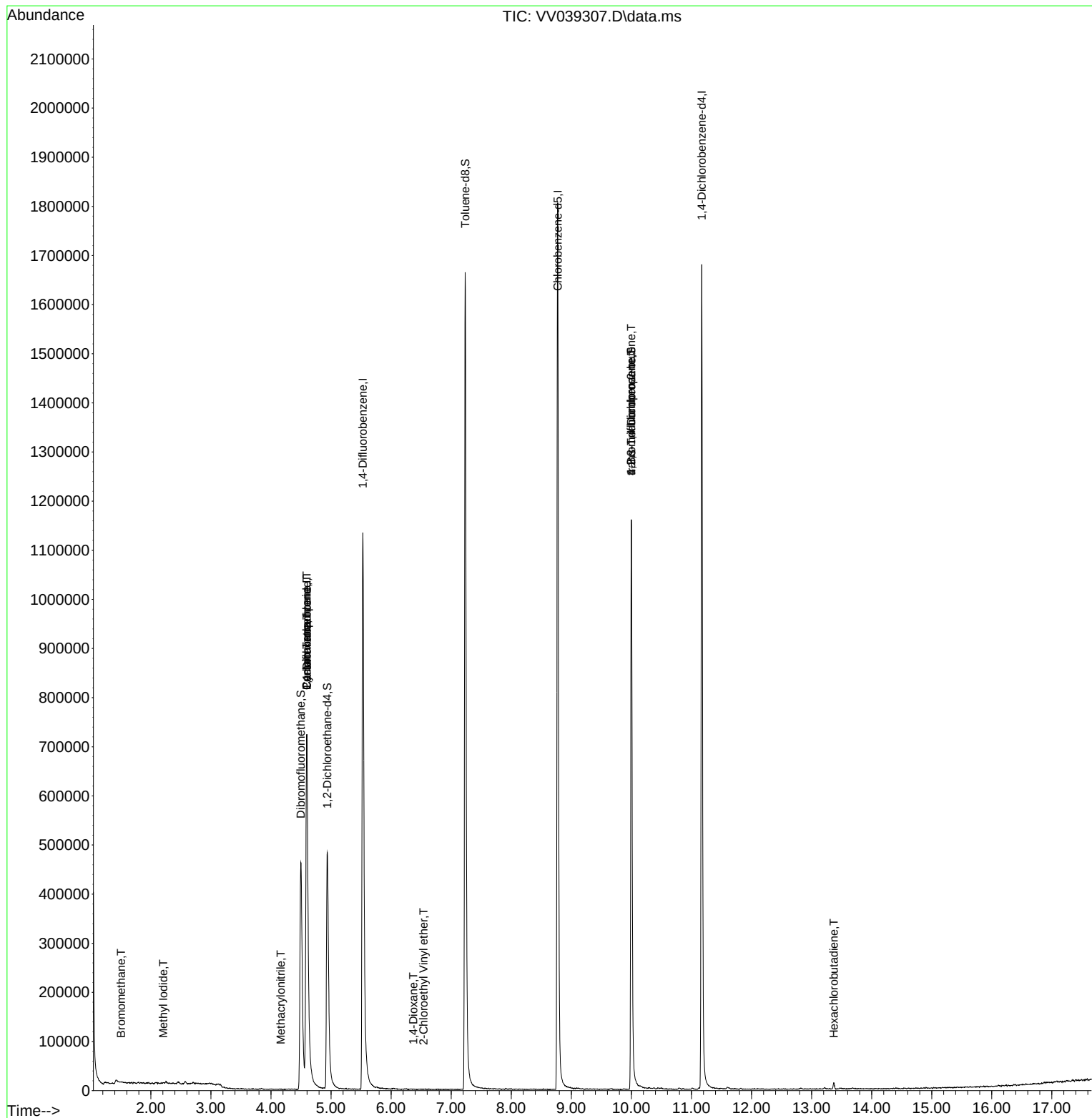
Internal Standards						
1) Pentafluorobenzene	4.597	168	639738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1135586	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1046285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	450116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	447249	49.201	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	98.400%		
35) Dibromofluoromethane	4.497	113	394727	44.115	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	88.240%		
50) Toluene-d8	7.233	98	1197864	39.352	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	78.700%#		
62) 4-Bromofluorobenzene	9.998	95	410691	37.884	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	75.760%#		
Target Compounds			Qvalue			
5) Bromomethane	1.503	94	1344	0.216 ug/l #	74	
6) Chloroethane	1.539	64	634	Below Cal #	45	
10) Methyl Iodide	2.204	142	2564	0.339 ug/l #	76	
13) Acrolein	2.018	56	727	Below Cal #	63	
16) Acetone	2.124	43	967	Below Cal	90	
20) Methylene Chloride	2.455	84	1452	Below Cal #	64	
31) Cyclohexane	4.597	56	13960	1.165 ug/l #	1	
36) 1,1-Dichloropropene	4.597	75	49531	4.407 ug/l #	41	
38) Carbon Tetrachloride	4.597	117	66844	4.882 ug/l #	17	
41) Methacrylonitrile	4.166	41	80	1.705 ug/l #	61	
49) 1,4-Dioxane	6.368	88	100	0.753 ug/l #	36	
58) 2-Chloroethyl Vinyl ether	6.539	63	79	8.479 ug/l	99	
76) 1,2,3-Trichloropropane	9.998	75	197868	22.025 ug/l #	54	
81) trans-1,4-Dichloro-2-b...	9.998	75	197868	55.624 ug/l #	14	
94) Hexachlorobutadiene	13.371	225	2388	0.593 ug/l	90	

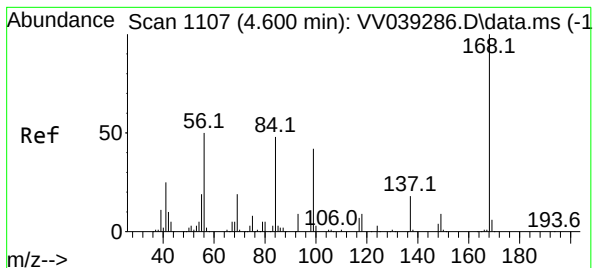
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 08 05:01:26 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.597 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV039307.D

Acq: 04 Nov 2025 11:52

Instrument :

MSVOA_V

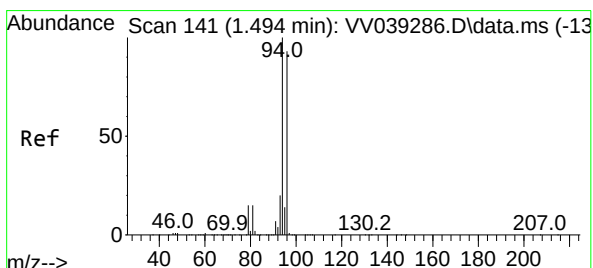
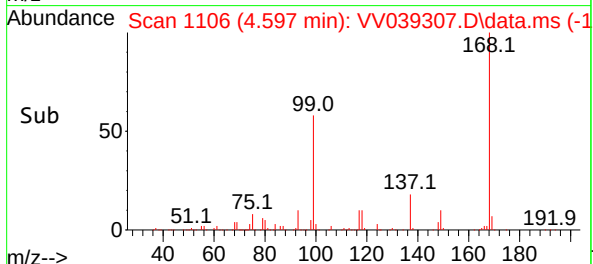
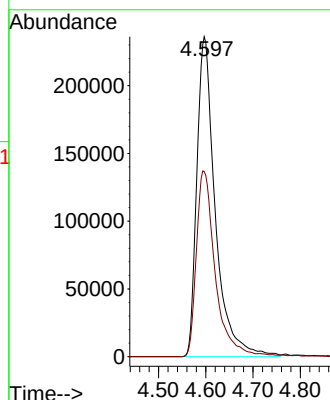
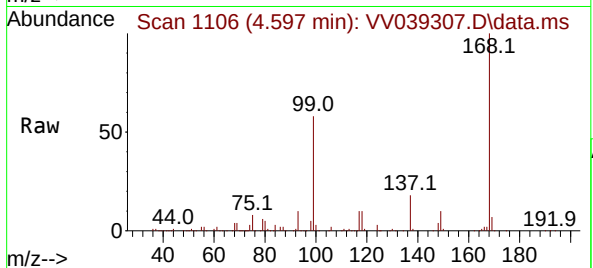
ClientSampleId :

Tgt Ion:168 Resp: 639738

Ion Ratio Lower Upper

168 100

99 57.9 46.6 70.0



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.503 min Scan# 144

Delta R.T. 0.010 min

Lab File: VV039307.D

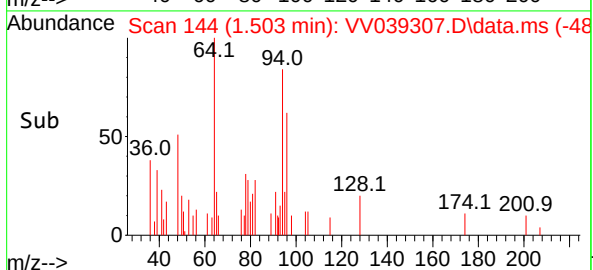
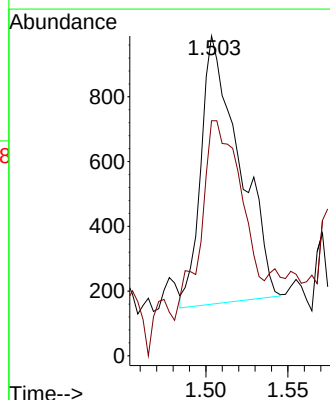
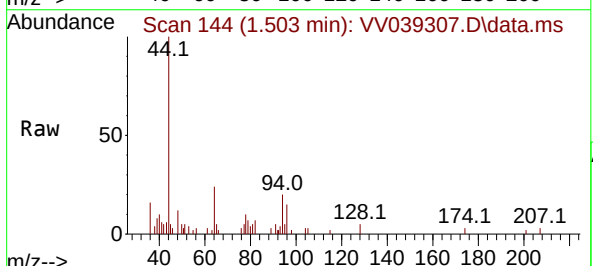
Acq: 04 Nov 2025 11:52

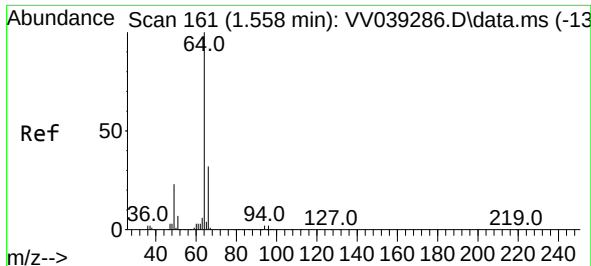
Tgt Ion: 94 Resp: 1344

Ion Ratio Lower Upper

94 100

96 68.1 74.2 111.2#

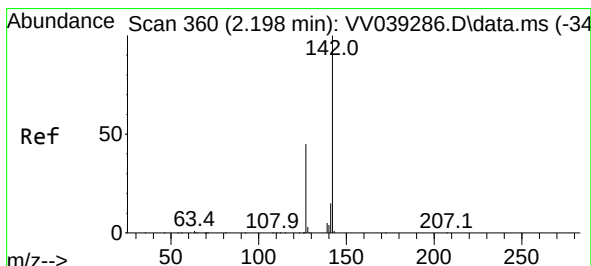
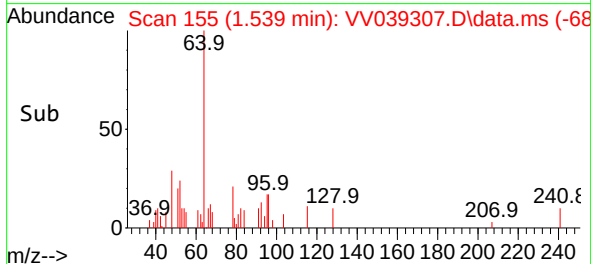
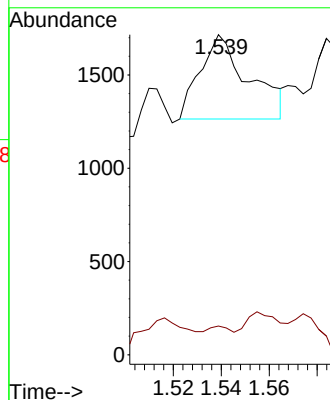
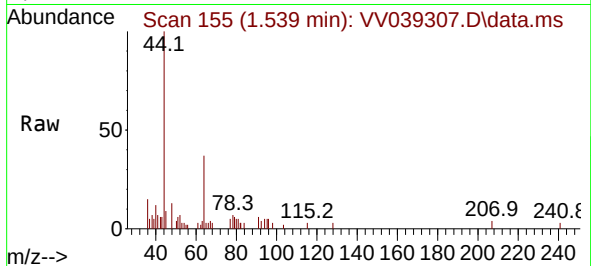




#6
Chloroethane
Concen: Below Cal
RT: 1.539 min Scan# 11
Delta R.T. -0.019 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

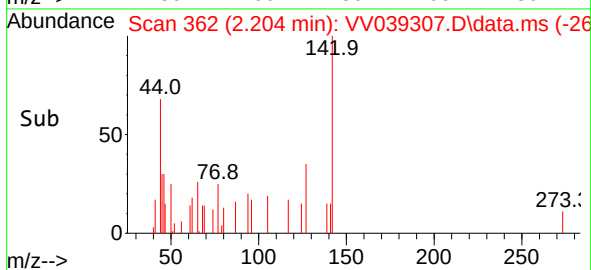
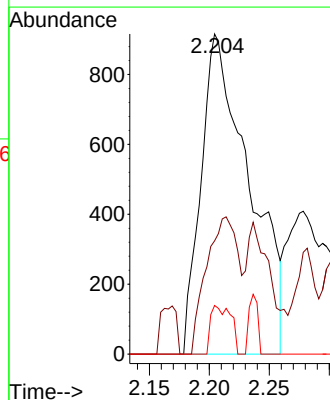
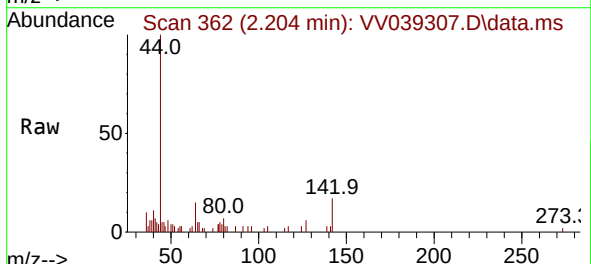
Instrument :
MSVOA_V
ClientSampleId :

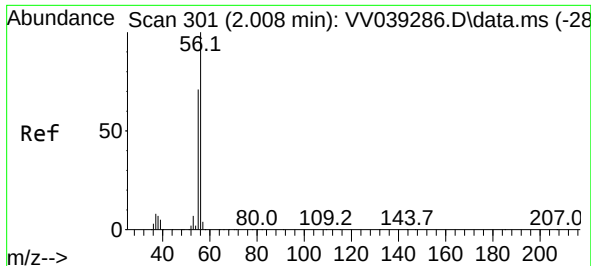
Tgt Ion: 64 Resp: 634
Ion Ratio Lower Upper
64 100
66 1.5 25.7 38.5#



#10
Methyl Iodide
Concen: 0.339 ug/l
RT: 2.204 min Scan# 362
Delta R.T. 0.007 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

Tgt Ion:142 Resp: 2564
Ion Ratio Lower Upper
142 100
127 28.0 35.5 53.3#
141 6.4 11.5 17.3#

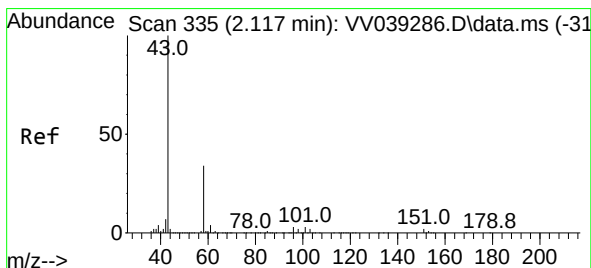
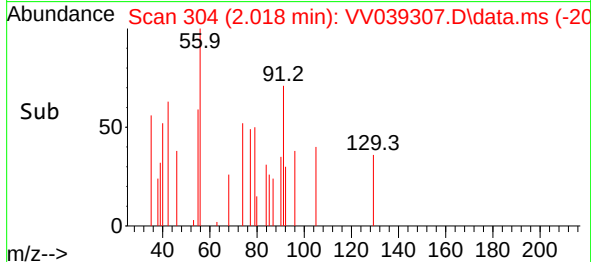
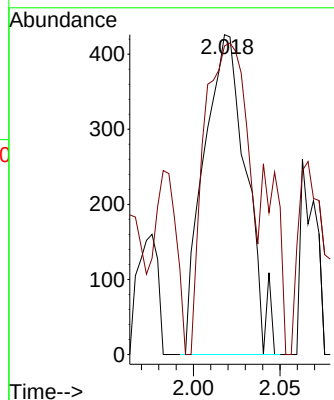
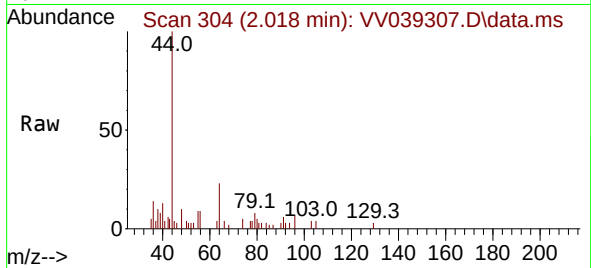




#13
Acrolein
Concen: Below Cal
RT: 2.018 min Scan# 301
Delta R.T. 0.010 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

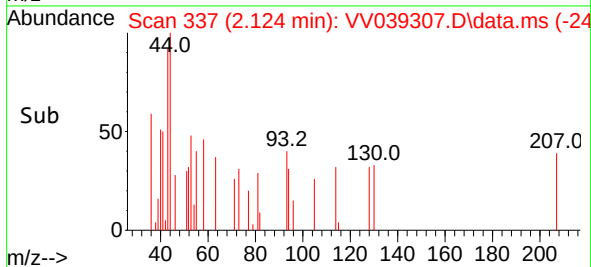
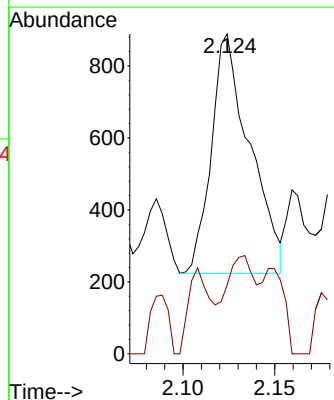
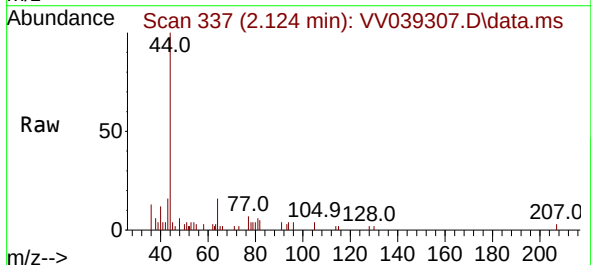
Instrument :
MSVOA_V
ClientSampleId :

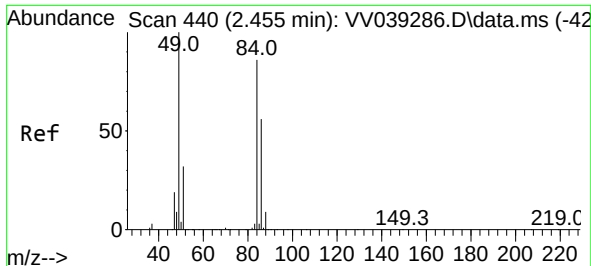
Tgt Ion: 56 Resp: 727
Ion Ratio Lower Upper
56 100
55 100.8 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.124 min Scan# 337
Delta R.T. 0.007 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

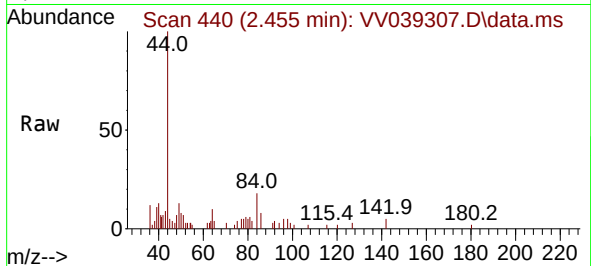
Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 28.7 27.5 41.3



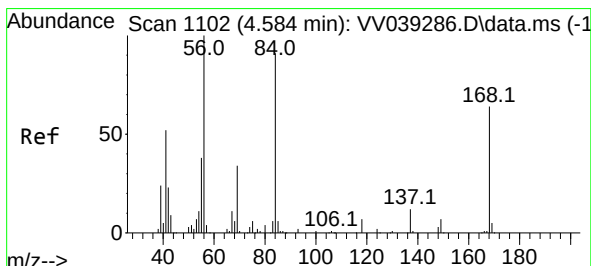
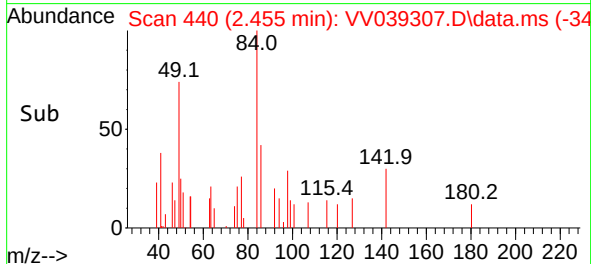
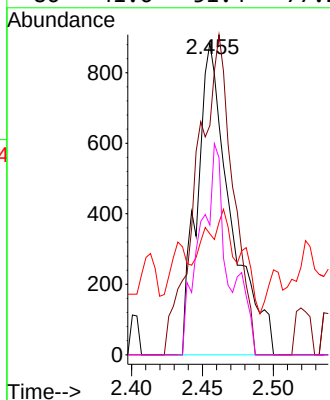


#20
Methylene Chloride
Concen: Below Cal
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

Instrument :
MSVOA_V
ClientSampleId :

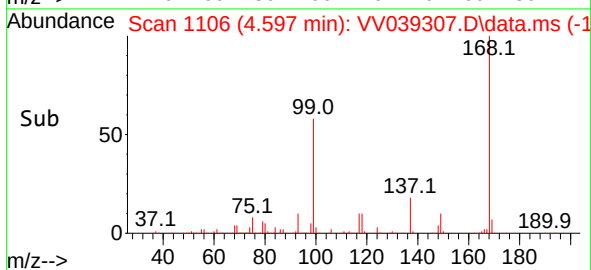
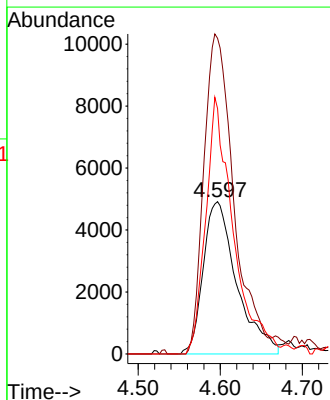
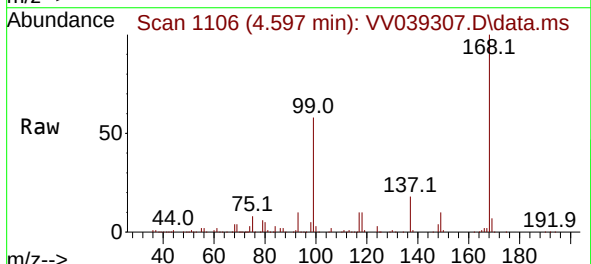


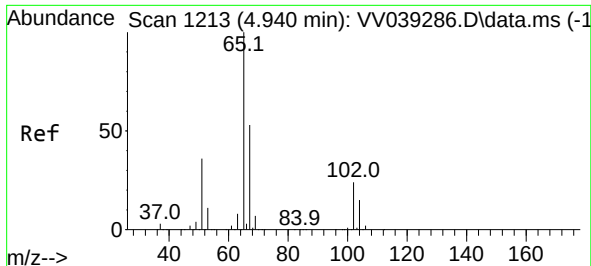
Tgt Ion:	84	Resp:	1452
Ion	Ratio	Lower	Upper
84	100		
49	73.5	92.6	139.0#
51	12.3	29.6	44.4#
86	41.6	51.4	77.2#



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

Tgt Ion:	56	Resp:	13960
Ion	Ratio	Lower	Upper
56	100		
69	207.1	27.4	41.0#
84	161.1	72.8	109.2#





#33

1,2-Dichloroethane-d4

Concen: 49.201 ug/l

RT: 4.937 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039307.D

Acq: 04 Nov 2025 11:52

Instrument :

MSVOA_V

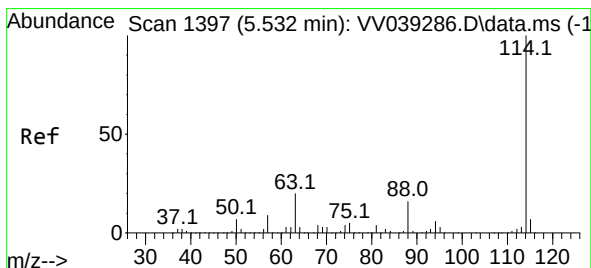
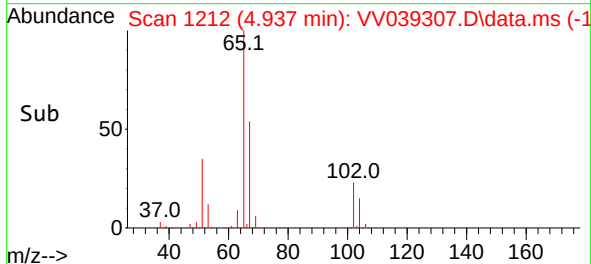
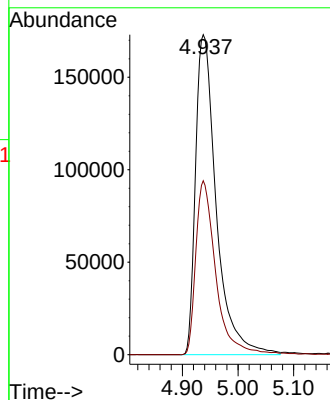
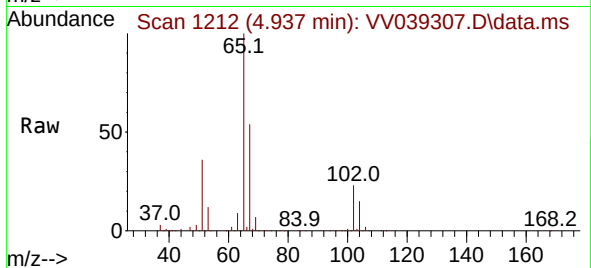
ClientSampleId :

Tgt Ion: 65 Resp: 447249

Ion Ratio Lower Upper

65 100

67 52.2 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: VV039307.D

Acq: 04 Nov 2025 11:52

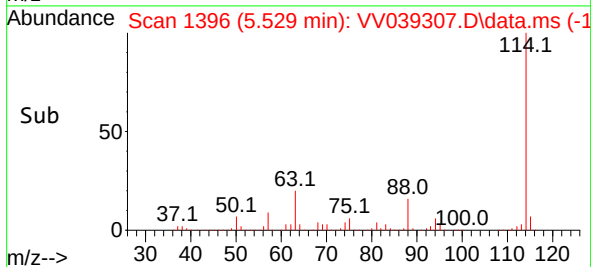
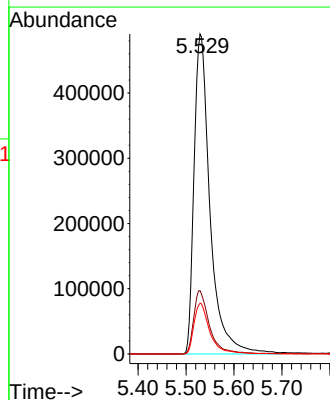
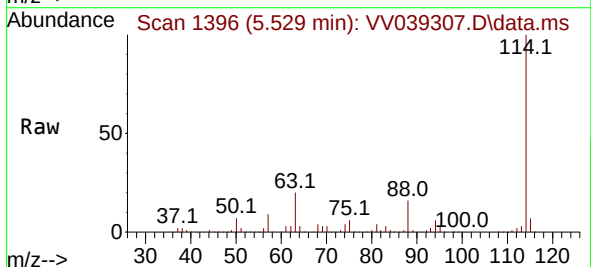
Tgt Ion: 114 Resp: 1135586

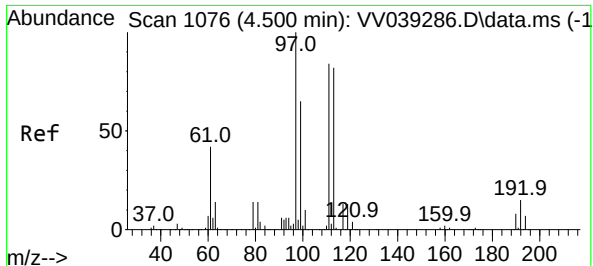
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

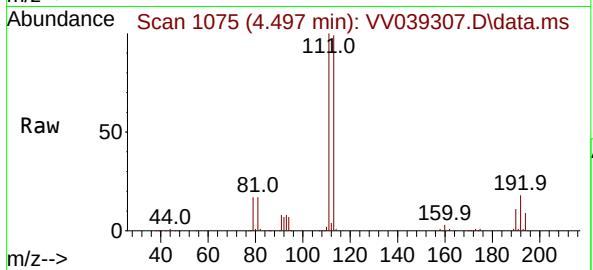
88 15.9 0.0 31.6



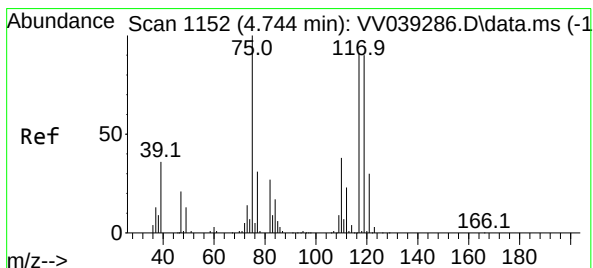
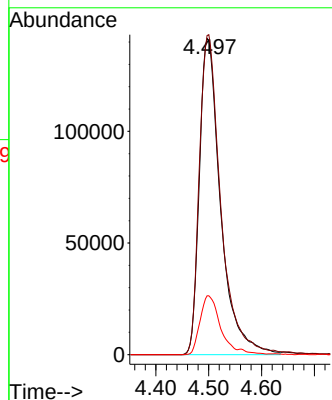
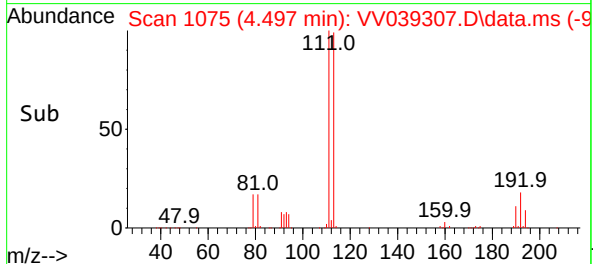


#35
Dibromofluoromethane
Concen: 44.115 ug/l
RT: 4.497 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

Instrument :
MSVOA_V
ClientSampleId :

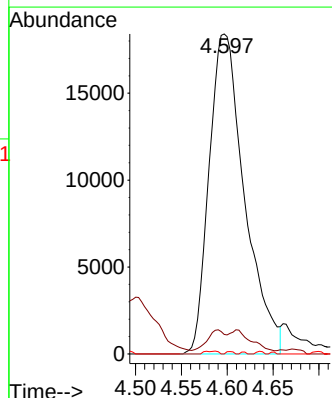
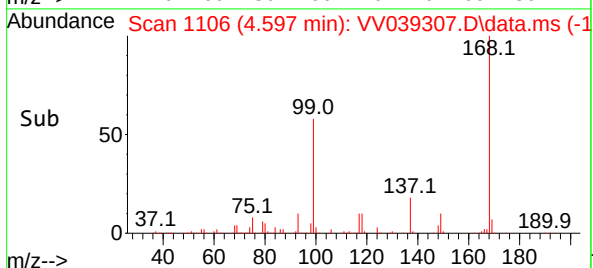
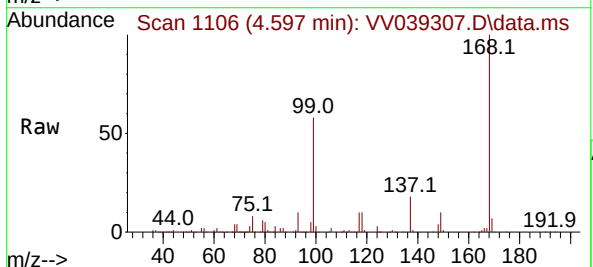


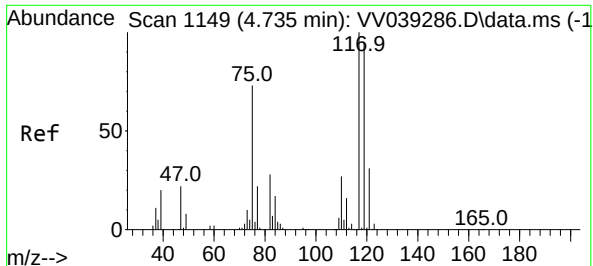
Tgt Ion:113 Resp: 394727
Ion Ratio Lower Upper
113 100
111 102.0 82.0 123.0
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. -0.148 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

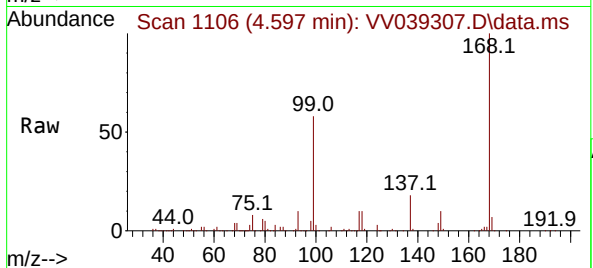
Tgt Ion: 75 Resp: 49531
Ion Ratio Lower Upper
75 100
110 0.0 18.9 56.7#
77 0.2 24.1 36.1#



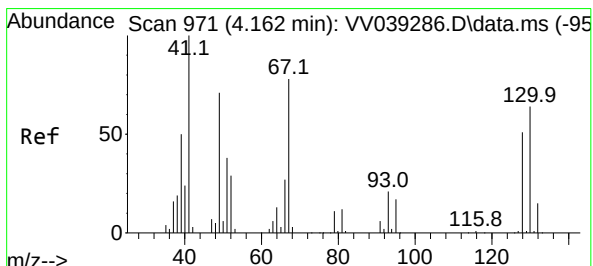
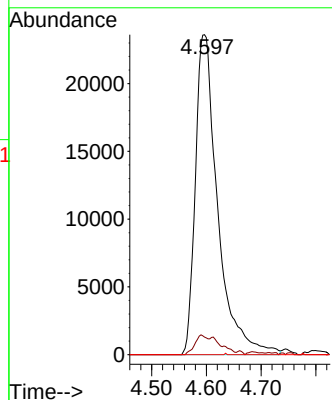
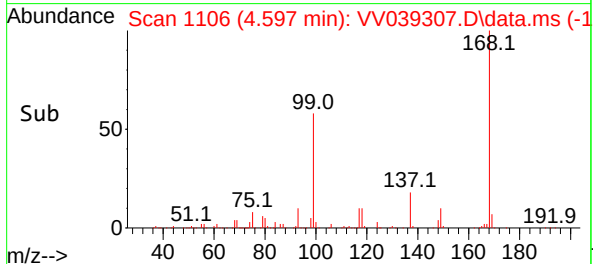


#38
Carbon Tetrachloride
Concen: 4.882 ug/l
RT: 4.597 min Scan# 1149
Delta R.T. -0.138 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

Instrument :
MSVOA_V
ClientSampleId :

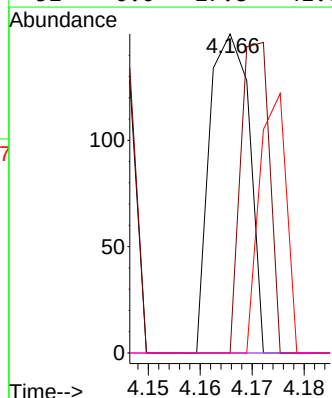
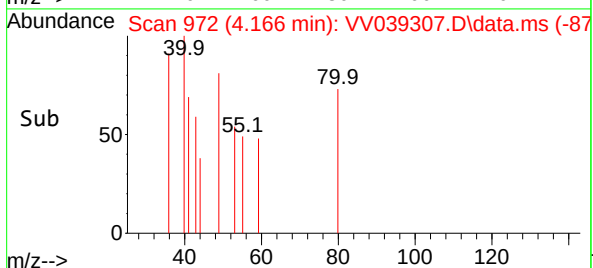
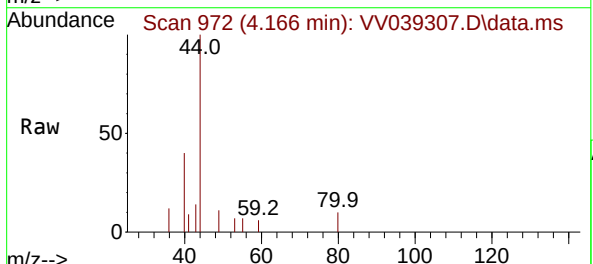


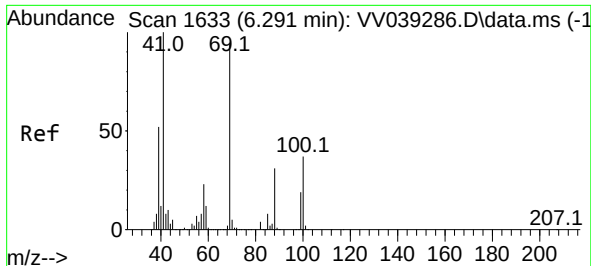
Tgt Ion:117 Resp: 66844
Ion Ratio Lower Upper
117 100
119 5.5 75.9 113.9#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.705 ug/l
RT: 4.166 min Scan# 972
Delta R.T. 0.003 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

Tgt Ion: 41 Resp: 80
Ion Ratio Lower Upper
41 100
39 70.0 40.9 61.3#
67 55.0 73.1 109.7#
52 0.0 27.8 41.6#





#49

1,4-Dioxane

Concen: 0.753 ug/l

RT: 6.368 min Scan# 1

Delta R.T. 0.077 min

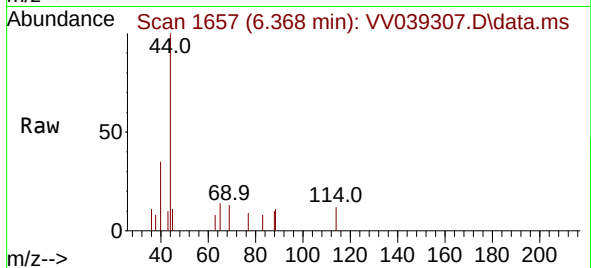
Lab File: VV039307.D

Acq: 04 Nov 2025 11:52

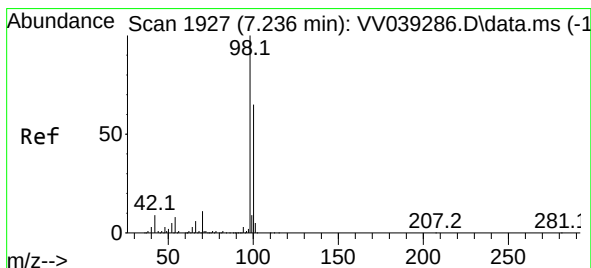
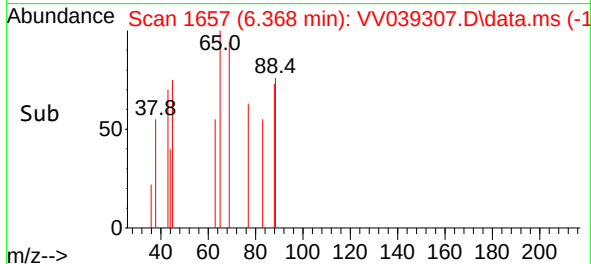
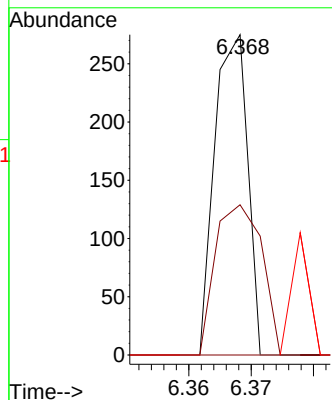
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	88	Resp:	100
Ion	Ratio	Lower	Upper
88	100		
43	67.0	24.1	36.1#
58	20.0	57.6	86.4#



#50

Toluene-d8

Concen: 39.352 ug/l

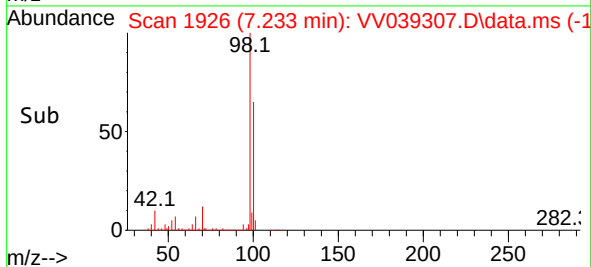
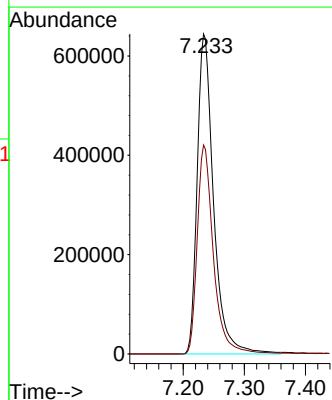
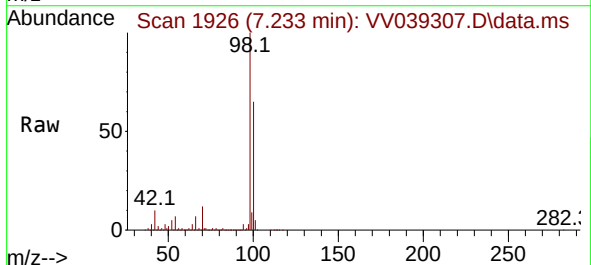
RT: 7.233 min Scan# 1926

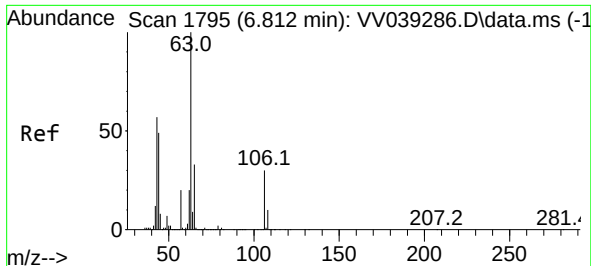
Delta R.T. -0.003 min

Lab File: VV039307.D

Acq: 04 Nov 2025 11:52

Tgt Ion:	98	Resp:	1197864
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

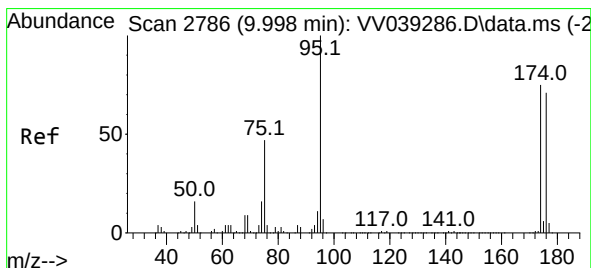
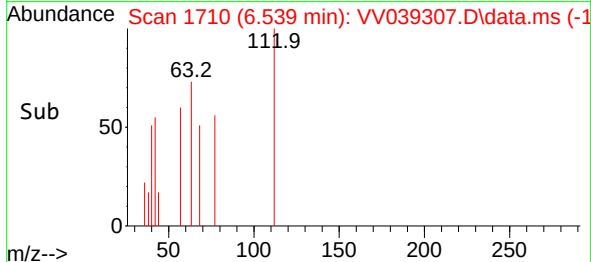
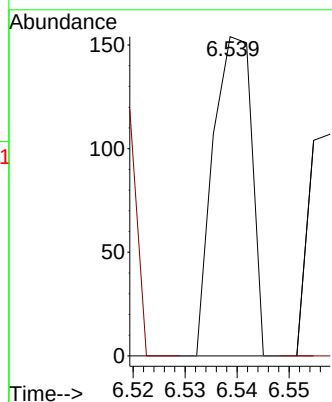
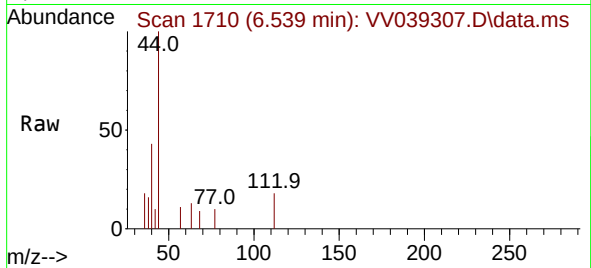




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.479 ug/l
 RT: 6.539 min Scan# 1710
 Delta R.T. -0.273 min
 Lab File: VV039307.D
 Acq: 04 Nov 2025 11:52

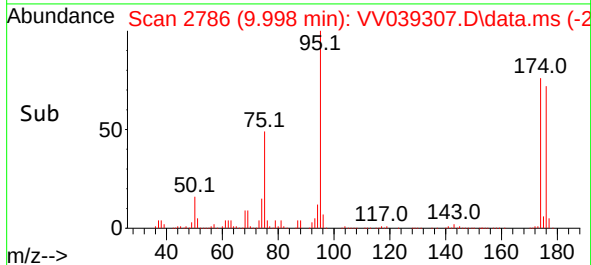
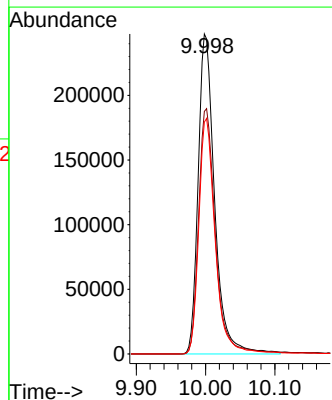
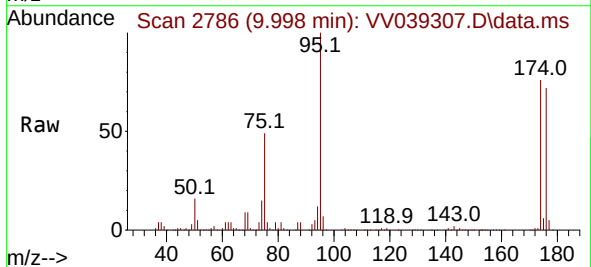
Instrument :
 MSVOA_V
 ClientSampleId :

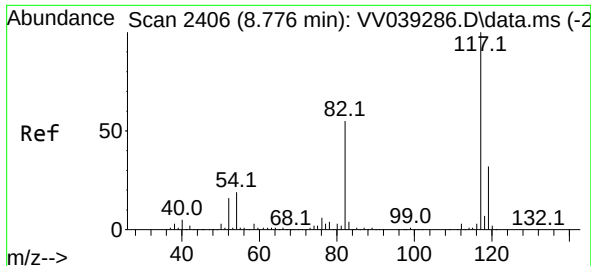
Tgt Ion: 63 Resp: 79
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.5 35.3



#62
 4-Bromofluorobenzene
 Concen: 37.884 ug/l
 RT: 9.998 min Scan# 2786
 Delta R.T. 0.000 min
 Lab File: VV039307.D
 Acq: 04 Nov 2025 11:52

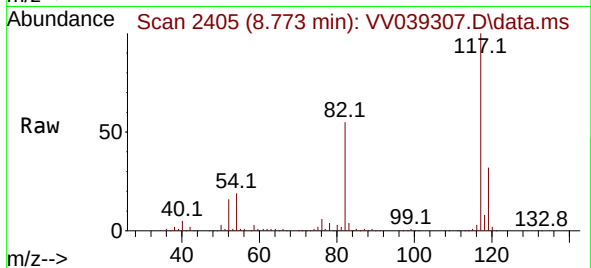
Tgt Ion: 95 Resp: 410691
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 153.6
 176 73.4 0.0 146.0



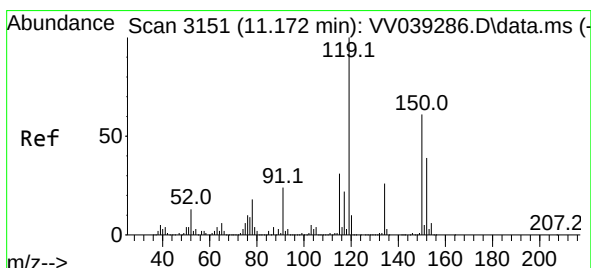
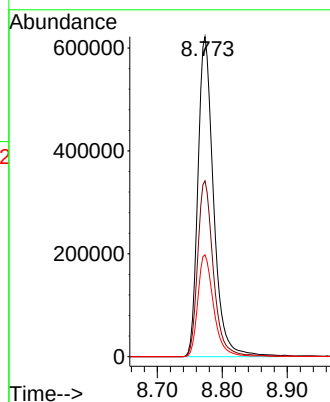
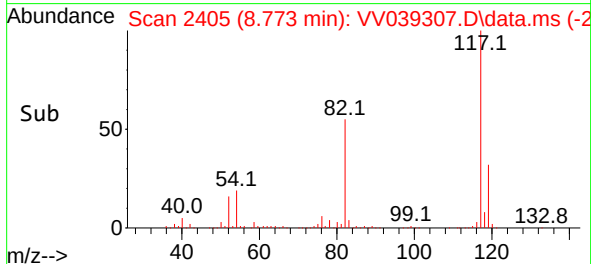


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

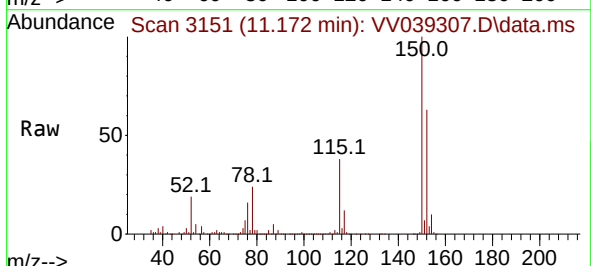
Instrument :
MSVOA_V
ClientSampleId :



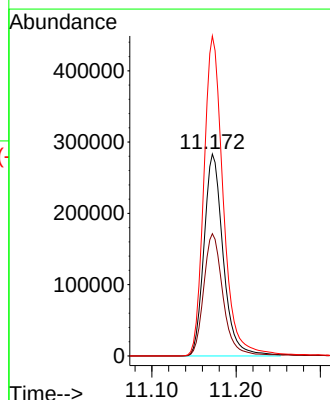
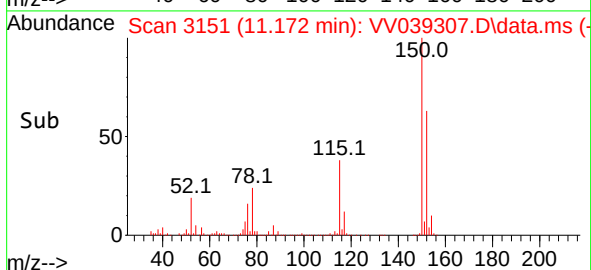
Tgt Ion:117 Resp: 1046285
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 31.9 25.8 38.6

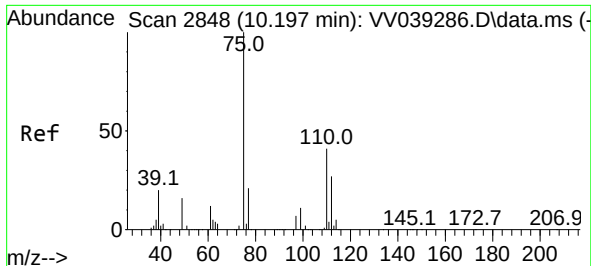


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52



Tgt Ion:152 Resp: 450116
Ion Ratio Lower Upper
152 100
115 61.3 42.3 126.8
150 160.8 0.0 348.0

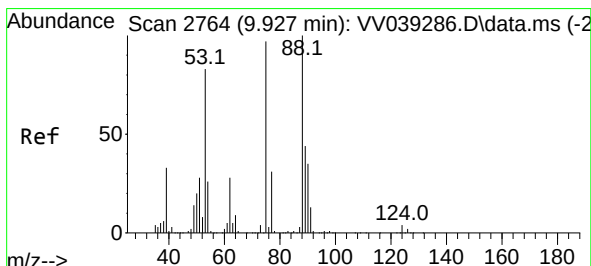
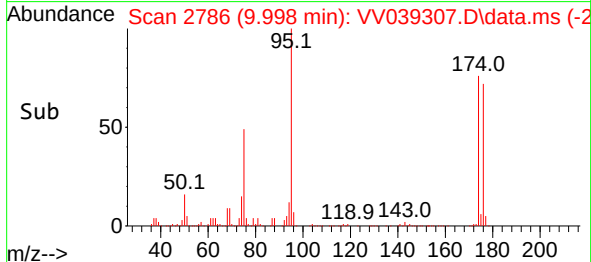
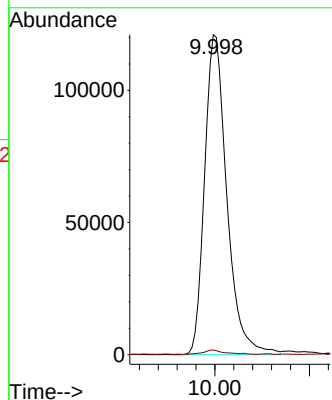
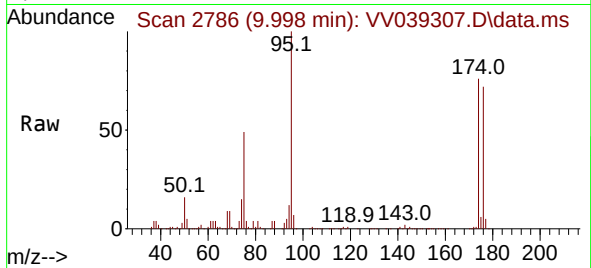




#76
1,2,3-Trichloropropane
Concen: 22.025 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.199 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

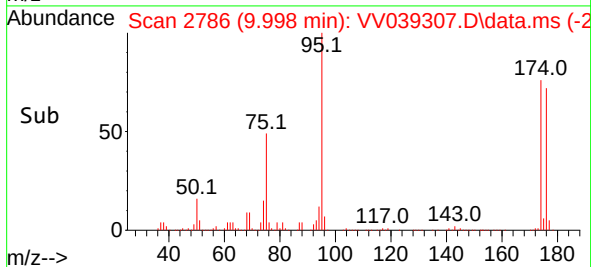
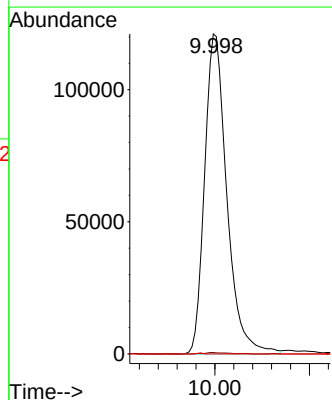
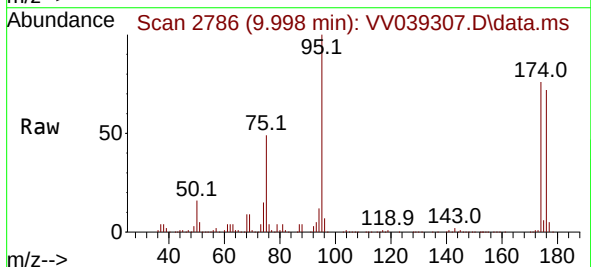
Instrument :
MSVOA_V
ClientSampleId :

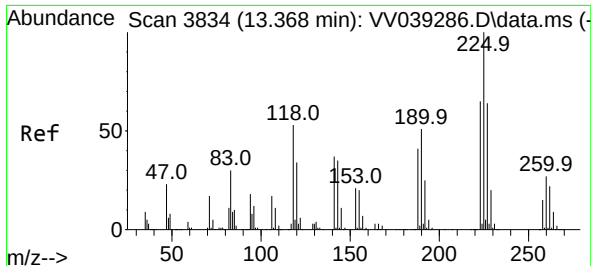
Tgt Ion: 75 Resp: 197868
Ion Ratio Lower Upper
75 100
77 1.4 12.2 36.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.624 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.071 min
Lab File: VV039307.D
Acq: 04 Nov 2025 11:52

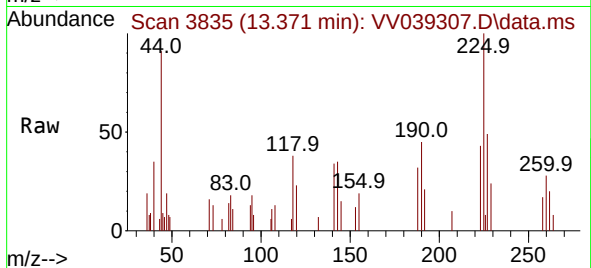
Tgt Ion: 75 Resp: 197868
Ion Ratio Lower Upper
75 100
53 0.4 69.9 104.9#
89 0.1 37.4 56.0#





#94
 Hexachlorobutadiene
 Concen: 0.593 ug/l
 RT: 13.371 min Scan# 3835
 Delta R.T. 0.003 min
 Lab File: VV039307.D
 Acq: 04 Nov 2025 11:52

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	225	Resp:	2388
Ion	Ratio	Lower	Upper
225	100		
223	54.7	31.3	93.8
227	55.4	31.7	95.1

