

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087526.D
 Acq On : 13 Aug 2025 11:19
 Operator : JC\MD
 Sample : VN0813MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 03:56:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	251578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	542441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	494655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227431	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	256405	60.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.140%	
35) Dibromofluoromethane	8.153	113	185883	49.678	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.360%	
50) Toluene-d8	10.547	98	690601	51.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	12.829	95	247250	50.140	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.280%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.136	85	672	0.251	ug/l #	39
5) Bromomethane	2.994	94	1628	0.941	ug/l #	65
10) Methyl Iodide	4.606	142	1589	6.172	ug/l #	76
11) Tert butyl alcohol	5.524	59	285	0.352	ug/l #	72
13) Acrolein	4.194	56	1114	1.713	ug/l	88
15) Acrylonitrile	5.706	53	2761	1.255	ug/l #	76
16) Acetone	4.424	43	3209	1.603	ug/l #	89
17) Carbon Disulfide	4.694	76	6898	0.810	ug/l #	71
20) Methylene Chloride	5.247	84	492	Below Cal	#	66
23) Vinyl Acetate	6.594	43	2969	0.311	ug/l #	74
25) 2-Butanone	7.477	43	1379	0.446	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	1211	0.325	ug/l	24
28) Bromochloromethane	7.794	49	1515	0.503	ug/l #	91
29) Tetrahydrofuran	7.841	42	1052	0.524	ug/l #	74
31) Cyclohexane	8.218	56	9875	1.882	ug/l #	57
38) Carbon Tetrachloride	8.212	117	28846	5.297	ug/l #	14
39) Methylcyclohexane	9.582	83	2047	0.382	ug/l #	83
42) 1,2-Dichloroethane	8.659	62	1244	0.205	ug/l #	75
49) 1,4-Dioxane	9.688	88	145	1.897	ug/l #	1
51) 4-Methyl-2-Pentanone	10.435	43	3418	0.488	ug/l #	81
56) Ethyl methacrylate	10.859	69	113	0.652	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.141	63	1326	0.411	ug/l	96
64) Tetrachloroethene	11.082	164	867	0.272	ug/l #	73
68) m/p-Xylenes	12.059	106	2180	0.318	ug/l	98
73) Isopropylbenzene	12.676	105	3452	0.241	ug/l	95
76) 1,2,3-Trichloropropane	12.829	75	146236	28.674	ug/l #	1
78) n-propylbenzene	13.023	91	5810	0.323	ug/l	97
79) 2-Chlorotoluene	13.106	91	3940	0.356	ug/l	73
80) 1,3,5-Trimethylbenzene	13.159	105	3417	0.280	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.829	75	146236	78.457	ug/l #	8
82) 4-Chlorotoluene	13.206	91	3723	0.323	ug/l	86
83) tert-Butylbenzene	13.417	119	4007	0.393	ug/l	92
84) 1,2,4-Trimethylbenzene	13.464	105	3891	0.312	ug/l	88
85) sec-Butylbenzene	13.594	105	6473	0.422	ug/l	93
86) p-Isopropyltoluene	13.706	119	5035	0.409	ug/l	86
87) 1,3-Dichlorobenzene	13.711	146	3387	0.465	ug/l	88

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 Sample : VN0813MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

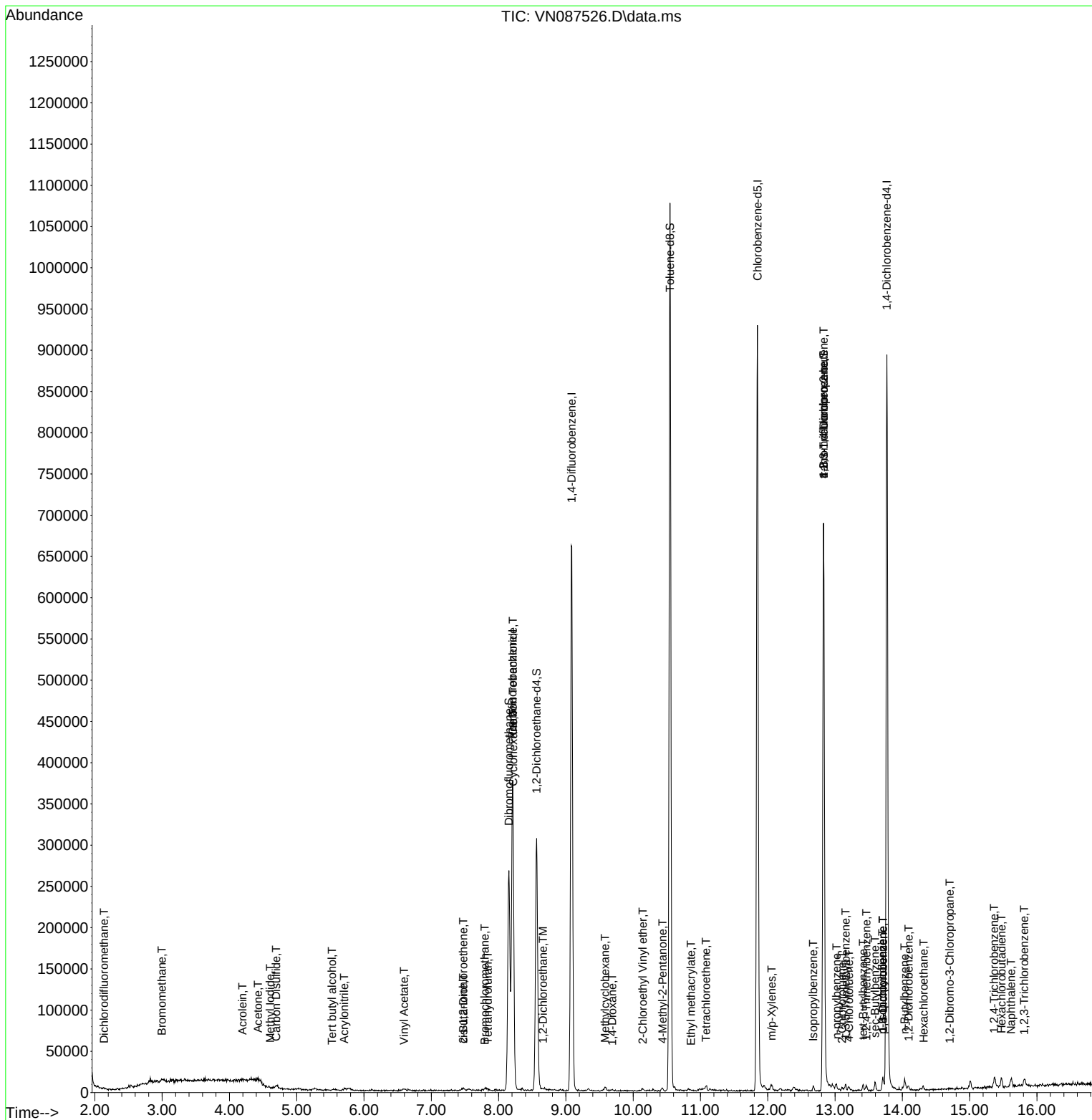
Quant Time: Aug 14 03:56:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

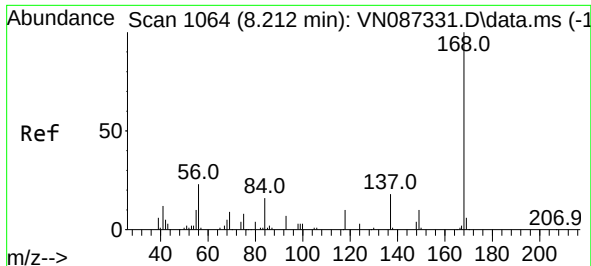
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

88) 1,4-Dichlorobenzene	13.711	146	3387	0.435	ug/l	91
89) n-Butylbenzene	14.035	91	6979	0.594	ug/l	92
90) Hexachloroethane	14.317	117	845	0.324	ug/l	85
91) 1,2-Dichlorobenzene	14.094	146	2096	0.304	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.706	75	395	0.279	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.364	180	3864	0.953	ug/l	92
94) Hexachlorobutadiene	15.476	225	1876	1.245	ug/l	85
95) Naphthalene	15.617	128	9843	0.685	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.811	180	3498	0.860	ug/l	94

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

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QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

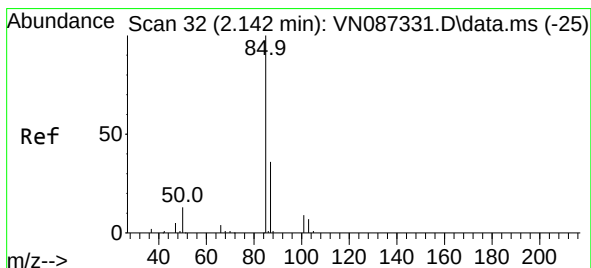
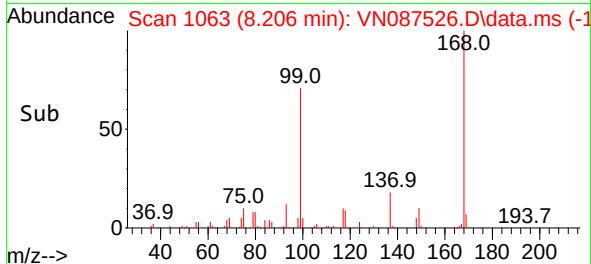
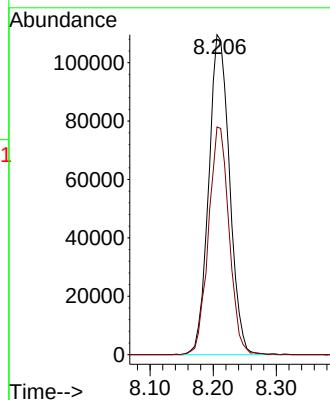
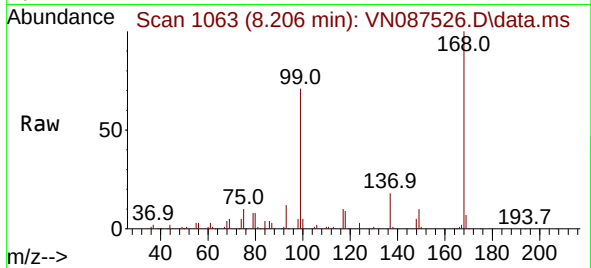




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

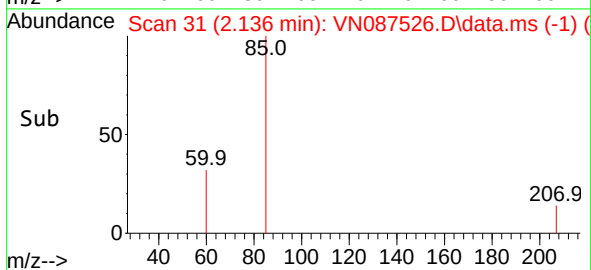
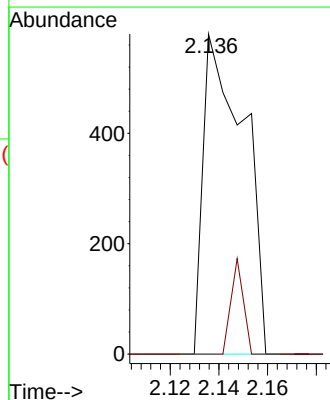
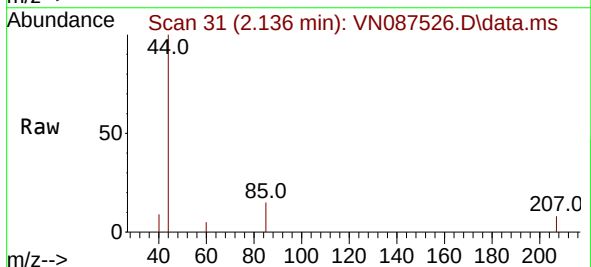
Instrument :
MSVOA_N
ClientSampleId :

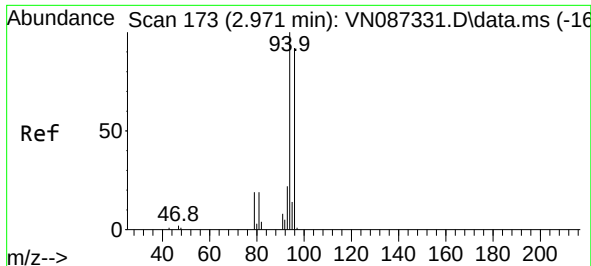
Tgt Ion:168 Resp: 251578
Ion Ratio Lower Upper
168 100
99 71.1 47.9 71.9



#2
Dichlorodifluoromethane
Concen: 0.251 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 85 Resp: 672
Ion Ratio Lower Upper
85 100
87 0.0 17.8 53.3#

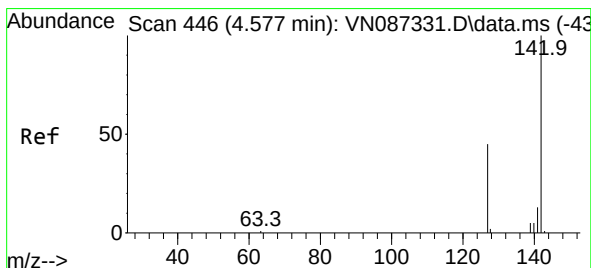
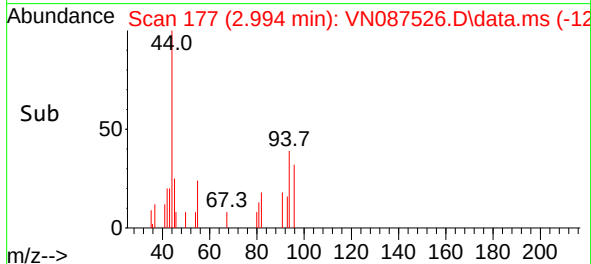
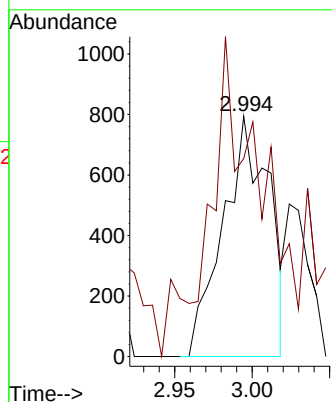
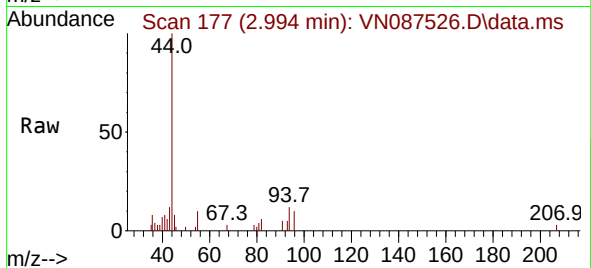




#5
Bromomethane
Concen: 0.941 ug/l
RT: 2.994 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

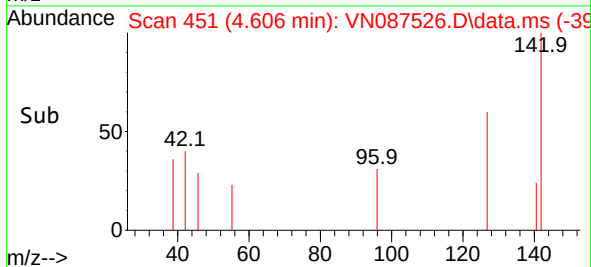
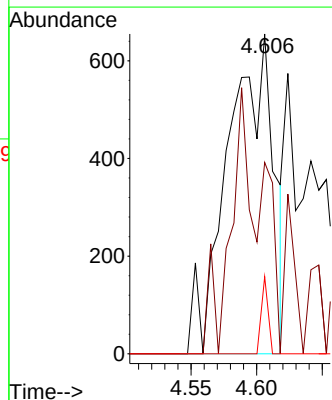
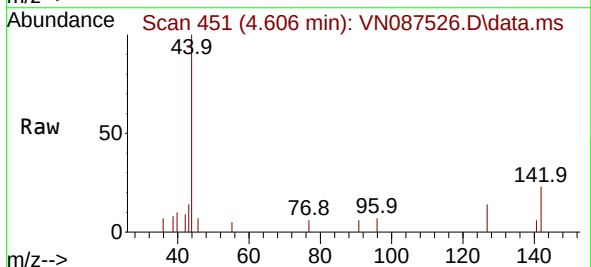
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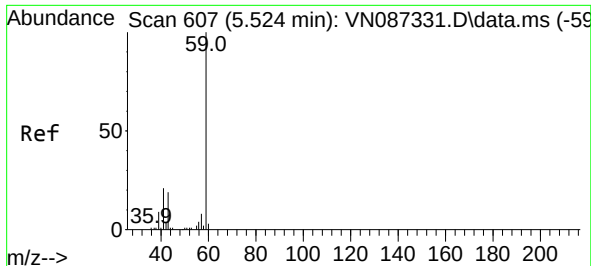
Tgt Ion: 94 Resp: 1628
Ion Ratio Lower Upper
94 100
96 58.2 73.4 110.2#



#10
Methyl Iodide
Concen: 6.172 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.029 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

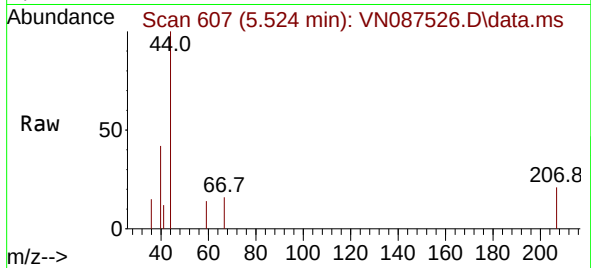
Tgt Ion: 142 Resp: 1589
Ion Ratio Lower Upper
142 100
127 59.8 35.7 53.5#
141 24.1 10.4 15.6#



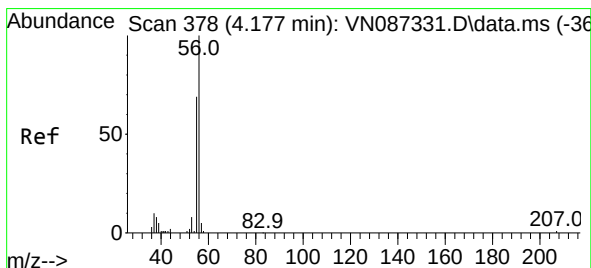
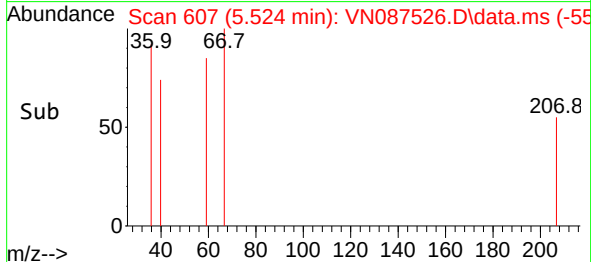
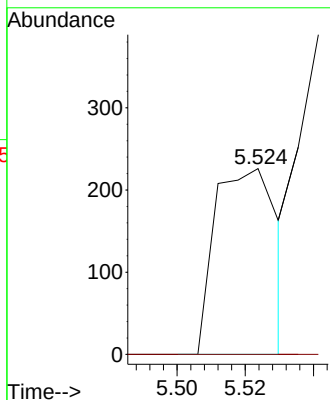


#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

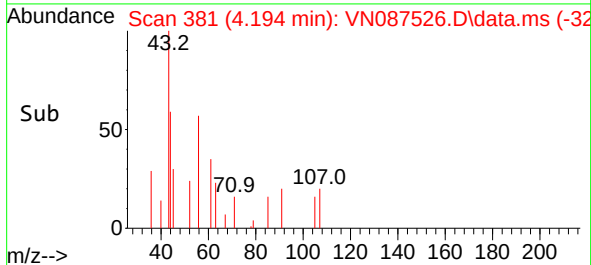
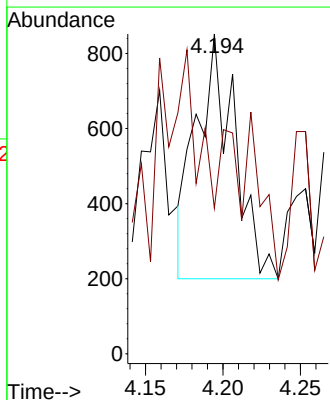
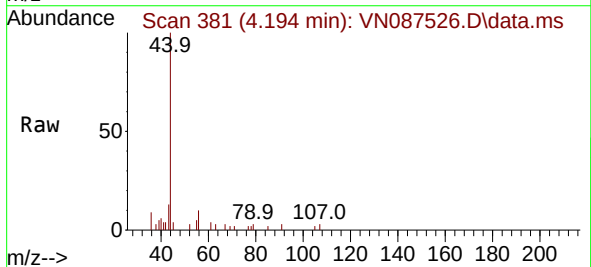


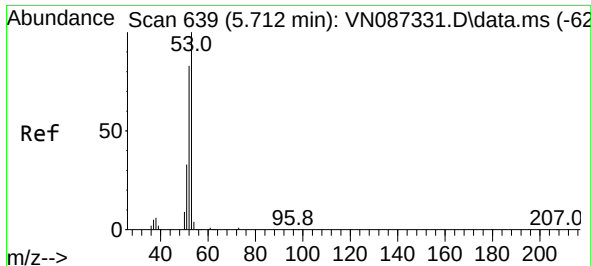
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 1.713 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

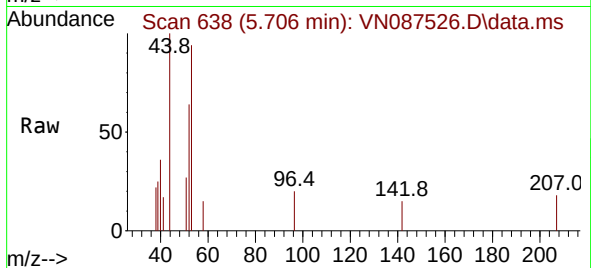
Tgt Ion: 56 Resp: 1114
Ion Ratio Lower Upper
56 100
55 79.9 56.2 84.4



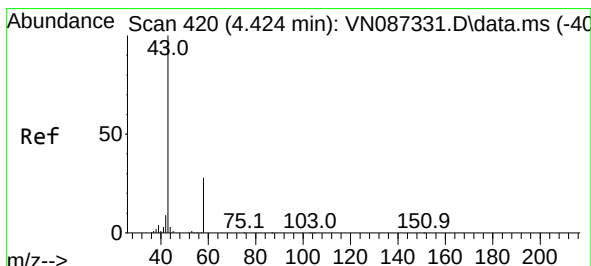
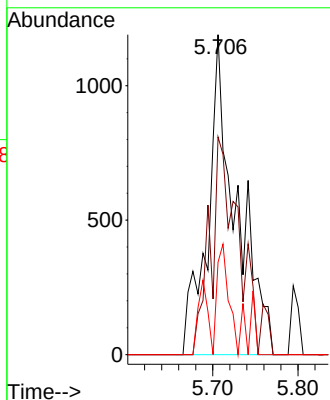
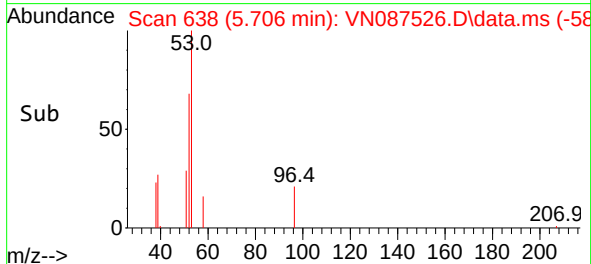


#15
Acrylonitrile
Concen: 1.255 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

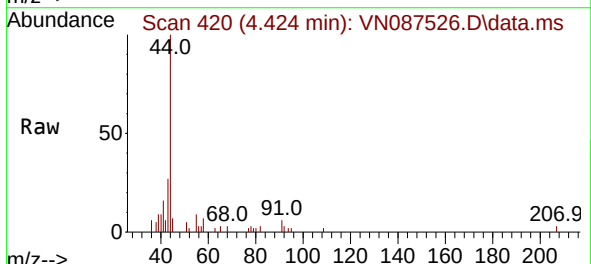
Instrument :
MSVOA_N
ClientSampleId :



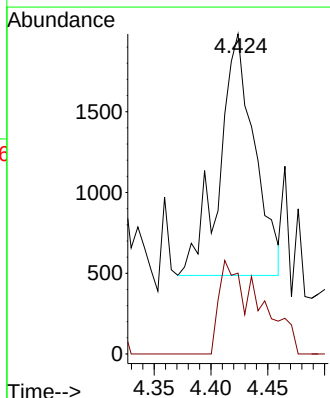
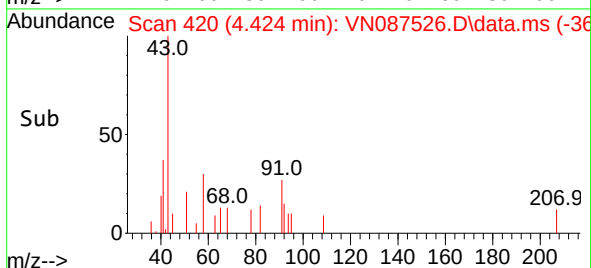
Tgt Ion: 53 Resp: 2761
Ion Ratio Lower Upper
53 100
52 65.4 65.5 98.3#
51 14.2 28.7 43.1#

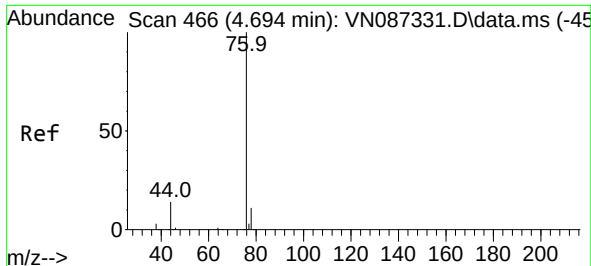


#16
Acetone
Concen: 1.603 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19



Tgt Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
58 33.5 22.3 33.5#

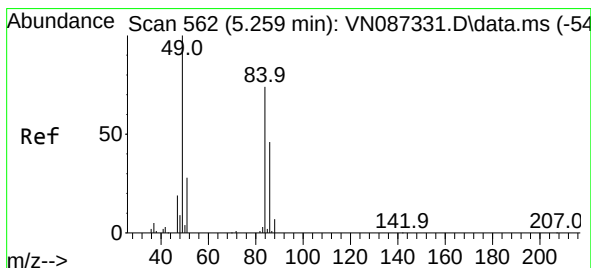
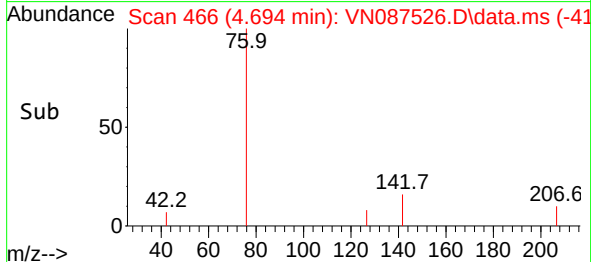
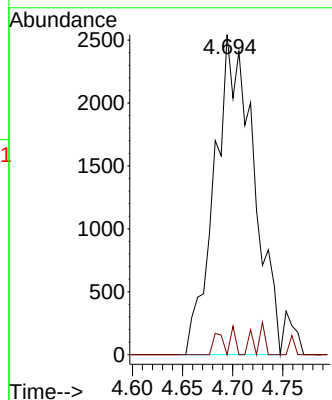
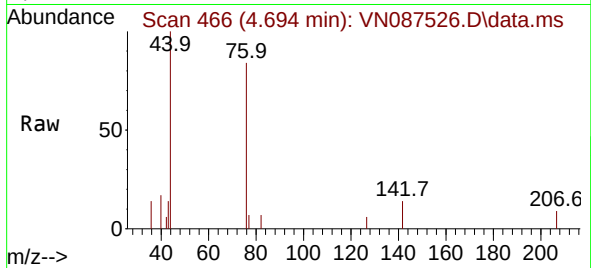




#17
Carbon Disulfide
Concen: 0.810 ug/l
RT: 4.694 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

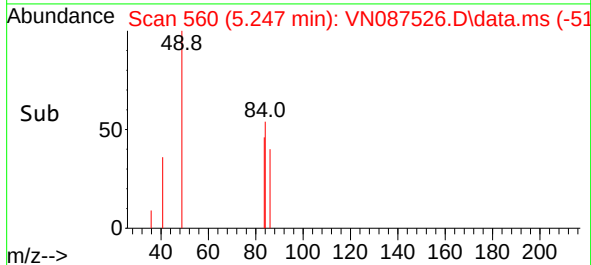
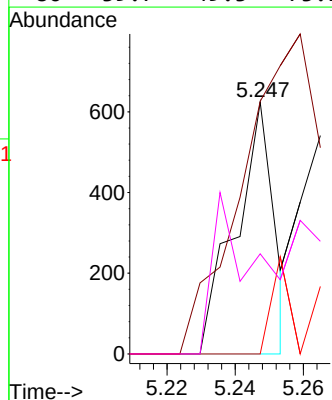
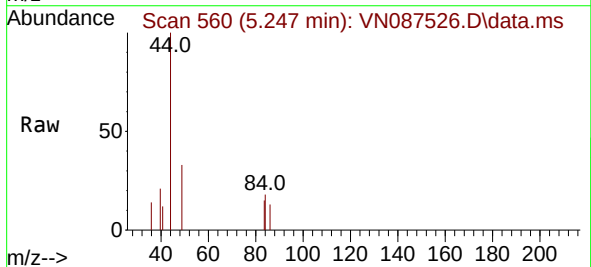
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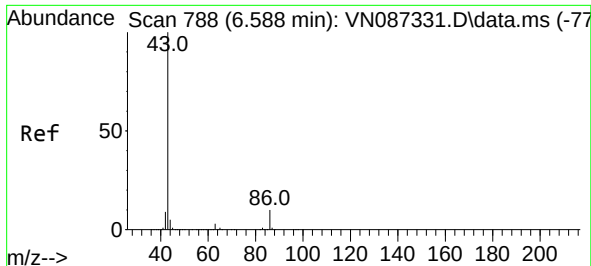
Tgt Ion: 76 Resp: 6898
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.247 min Scan# 560
Delta R.T. -0.012 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 100.3 107.5 161.3#
51 0.0 30.2 45.2#
86 39.7 49.3 73.9#

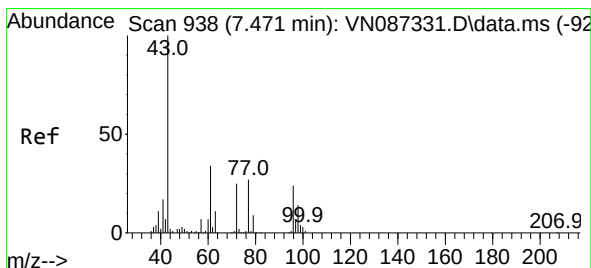
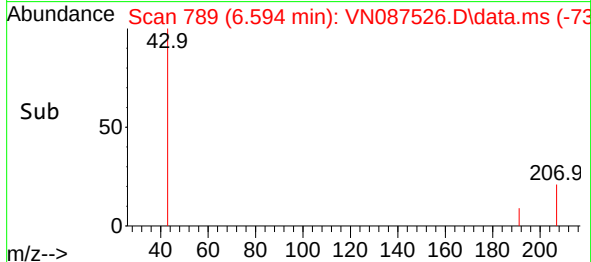
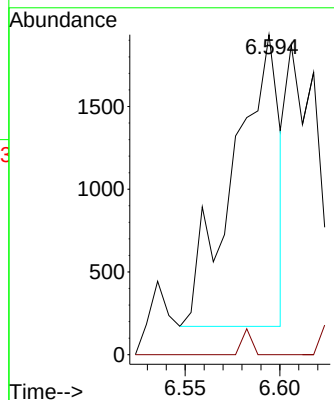
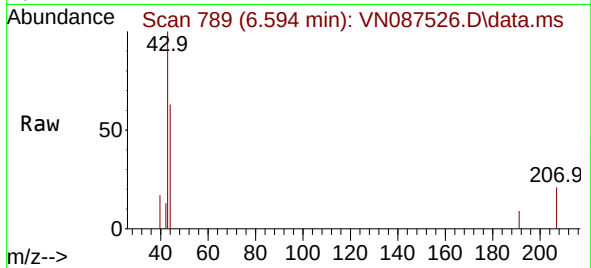




#23
Vinyl Acetate
Concen: 0.311 ug/l
RT: 6.594 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

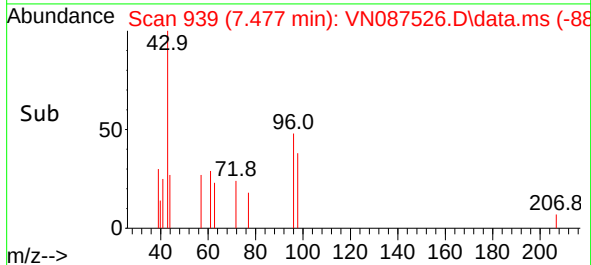
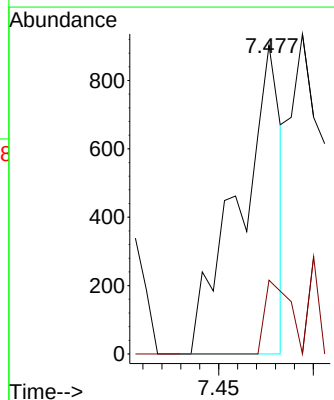
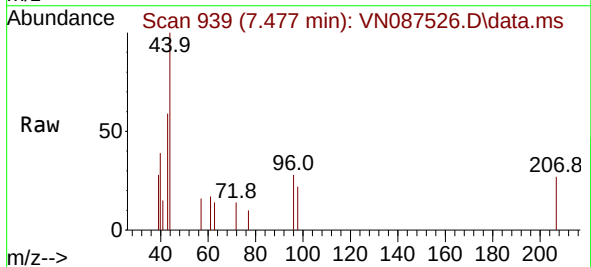
Instrument :
MSVOA_N
ClientSampleId :

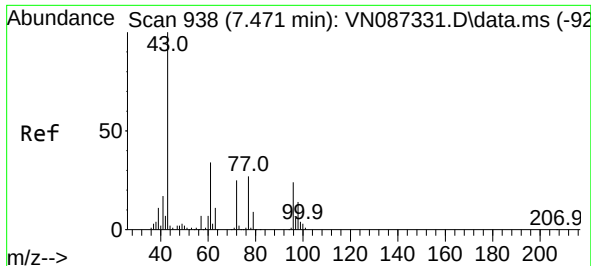
Tgt Ion: 43 Resp: 2969
Ion Ratio Lower Upper
43 100
86 0.0 7.7 11.5#



#25
2-Butanone
Concen: 0.446 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

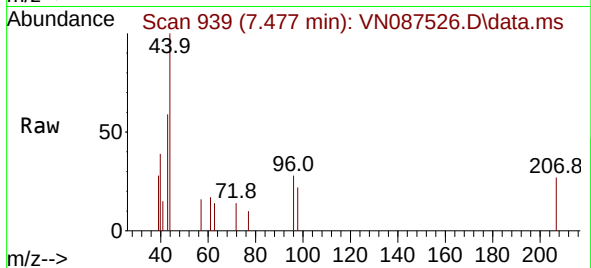
Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
72 23.9 19.6 29.4



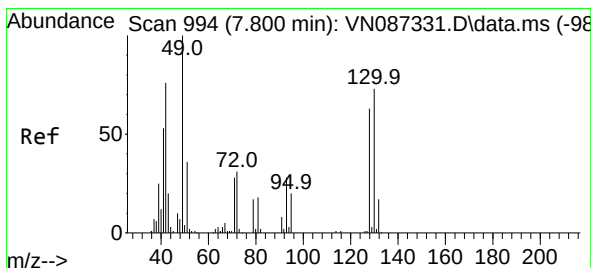
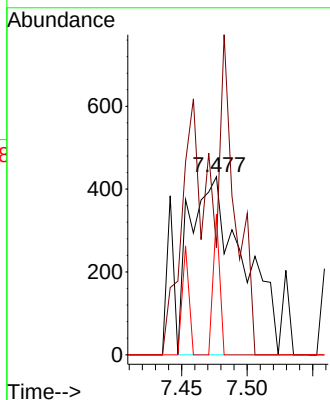
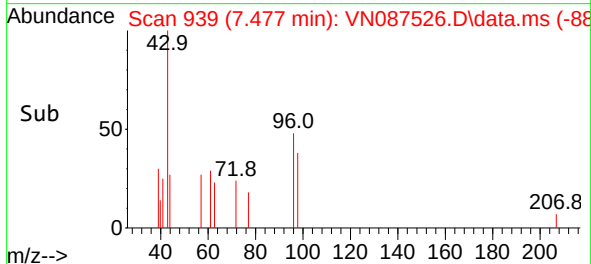


#27
 cis-1,2-Dichloroethene
 Concen: 0.325 ug/l
 RT: 7.477 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VN087526.D
 Acq: 13 Aug 2025 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

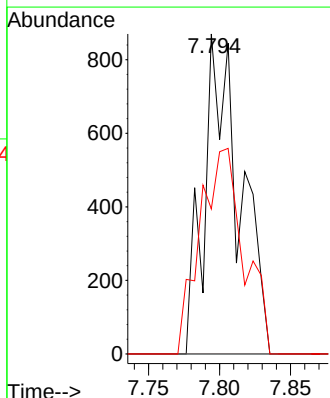
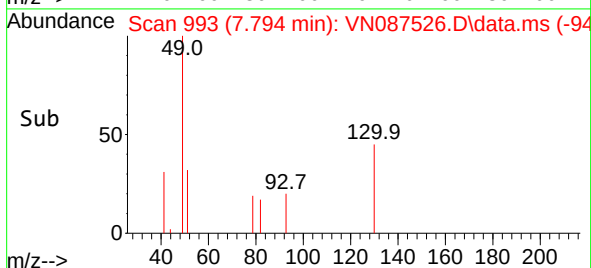
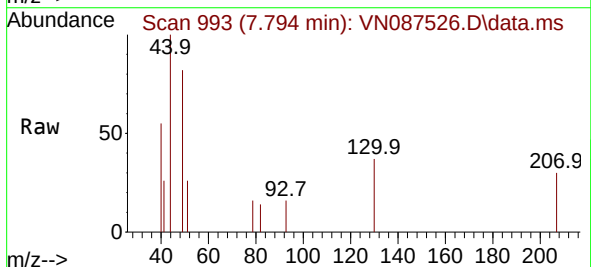


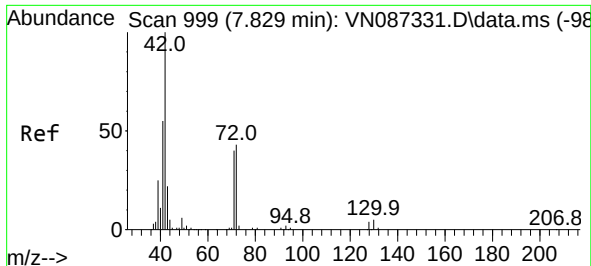
Tgt Ion: 96 Resp: 1211
 Ion Ratio Lower Upper
 96 100
 61 50.5 0.0 297.8
 98 9.9 0.0 132.4



#28
 Bromochloromethane
 Concen: 0.503 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN087526.D
 Acq: 13 Aug 2025 11:19

Tgt Ion: 49 Resp: 1515
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 79.1 57.3 85.9





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 7.841 min Scan# 1052

Delta R.T. 0.012 min

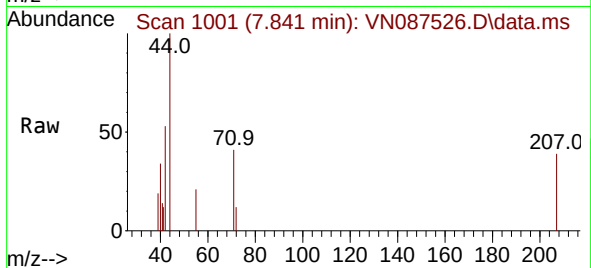
Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

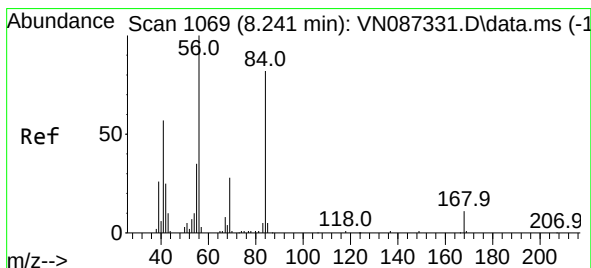
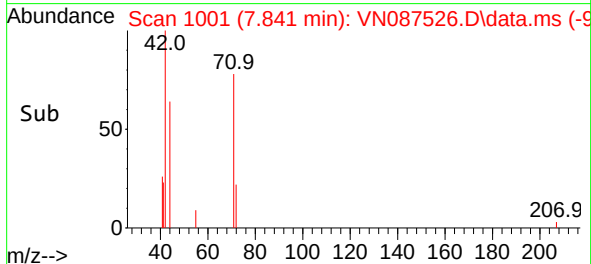
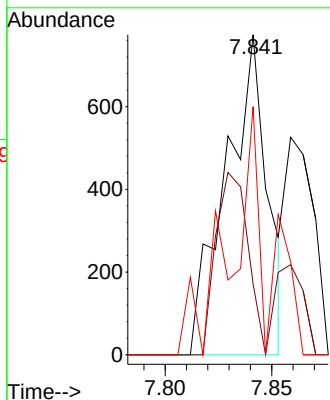
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1052
Ion Ratio	100	Lower	Upper
72	43.8	33.4	50.0
71	70.1	31.2	46.8



#31

Cyclohexane

Concen: 1.882 ug/l

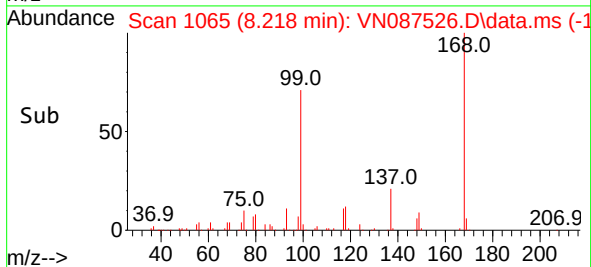
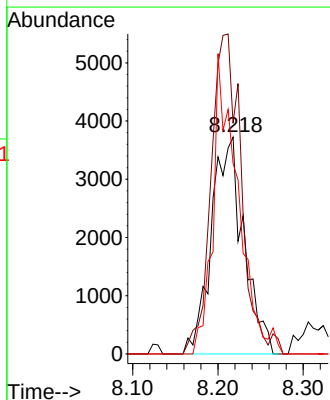
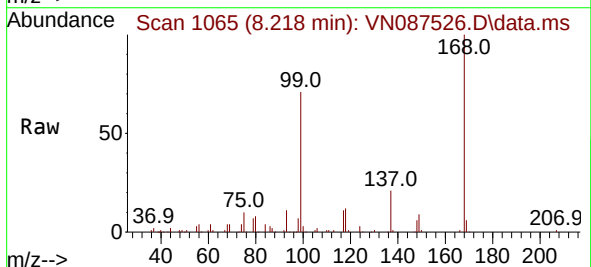
RT: 8.218 min Scan# 1065

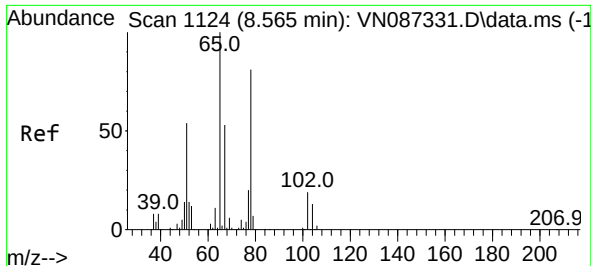
Delta R.T. -0.024 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Tgt Ion:	56	Resp:	9875
Ion Ratio	100	Lower	Upper
69	106.4	22.7	34.1
84	87.8	65.8	98.6





#33

1,2-Dichloroethane-d4

Concen: 60.066 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

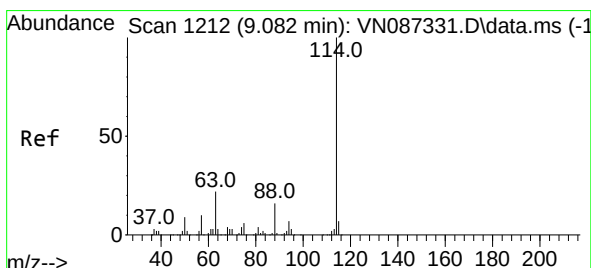
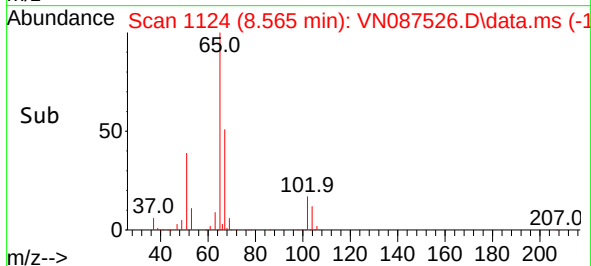
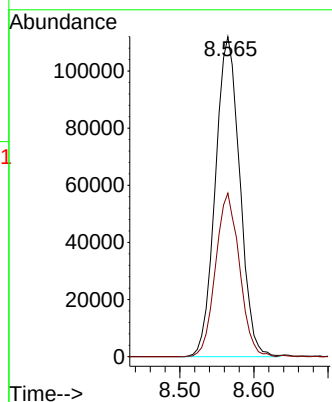
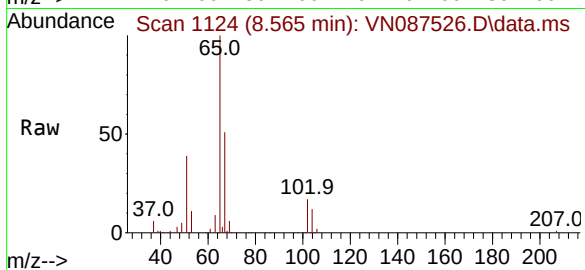
ClientSampleId :

Tgt Ion: 65 Resp: 256405

Ion Ratio Lower Upper

65 100

67 50.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

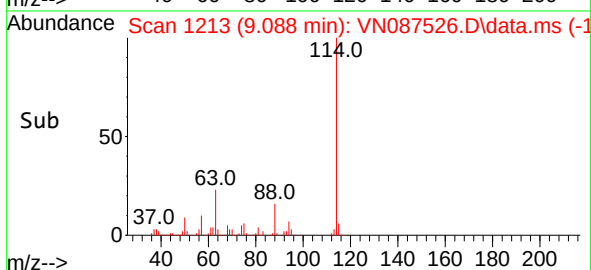
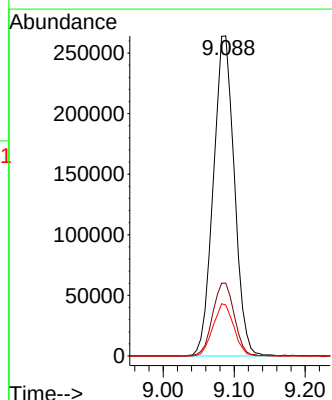
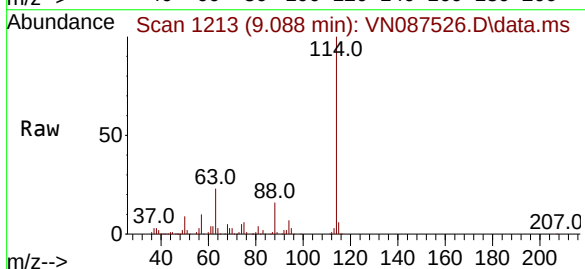
Tgt Ion: 114 Resp: 542441

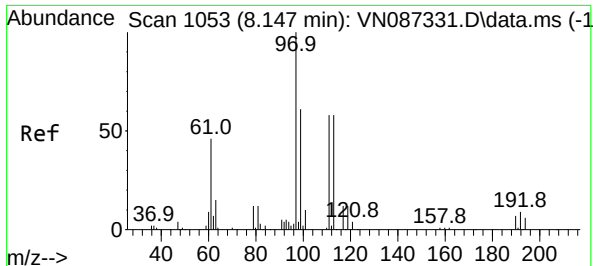
Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.6

88 16.0 0.0 32.8

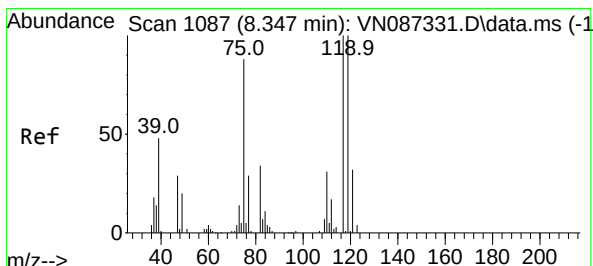
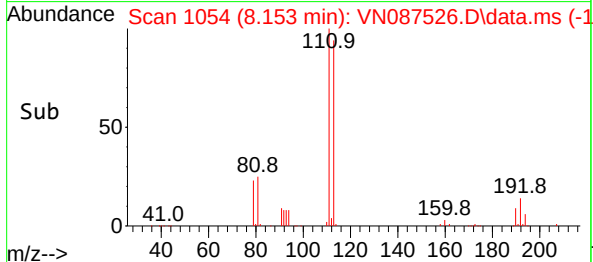
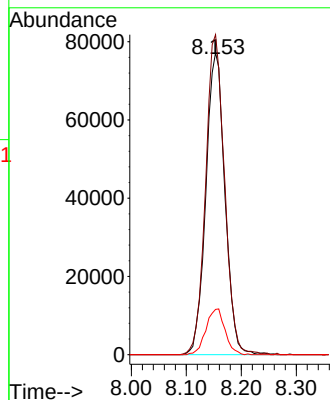
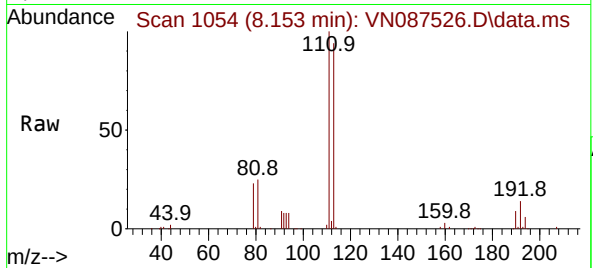




#35
Dibromofluoromethane
Concen: 49.678 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

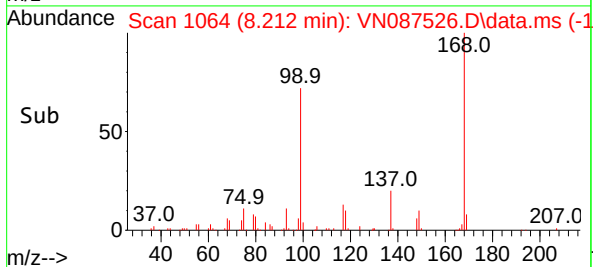
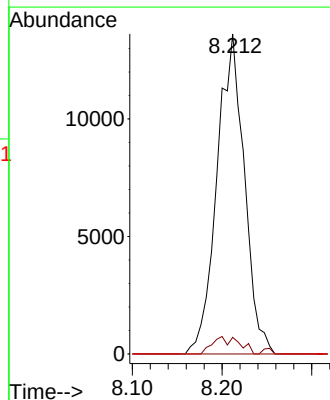
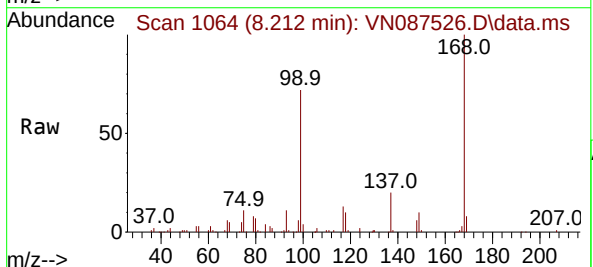
Instrument :
MSVOA_N
ClientSampleId :

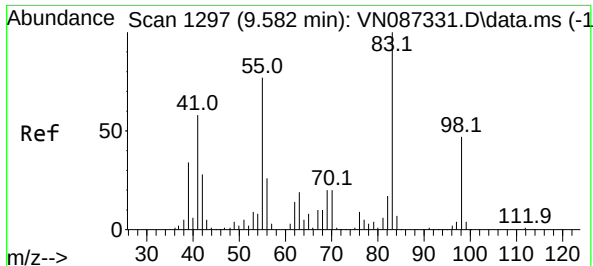
Tgt Ion:113 Resp: 185883
Ion Ratio Lower Upper
113 100
111 105.3 82.5 123.7
192 15.2 13.7 20.5



#38
Carbon Tetrachloride
Concen: 5.297 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion:117 Resp: 28846
Ion Ratio Lower Upper
117 100
119 5.2 80.2 120.2#
121 0.0 25.4 38.2#





#39

Methylcyclohexane

Concen: 0.382 ug/l

RT: 9.582 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

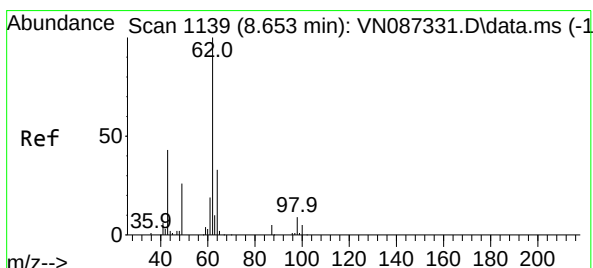
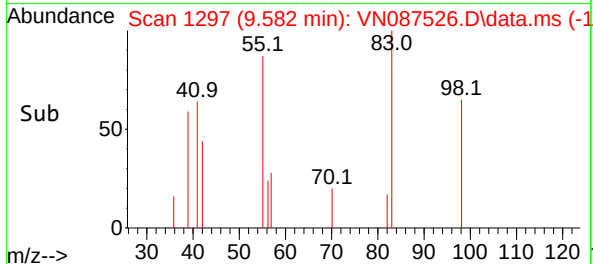
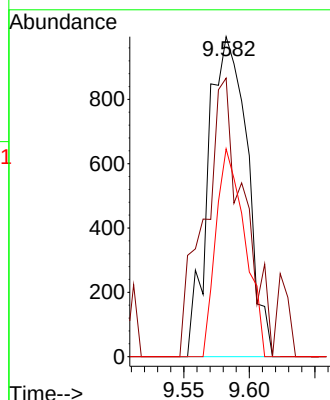
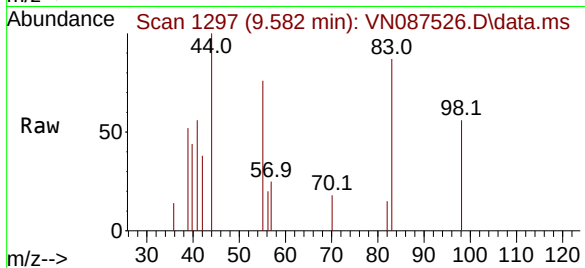
Tgt Ion: 83 Resp: 2047

Ion Ratio Lower Upper

83 100

55 87.0 61.3 91.9

98 64.9 37.9 56.9#



#42

1,2-Dichloroethane

Concen: 0.205 ug/l

RT: 8.659 min Scan# 1140

Delta R.T. 0.006 min

Lab File: VN087526.D

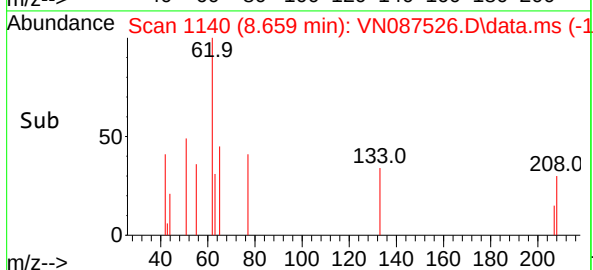
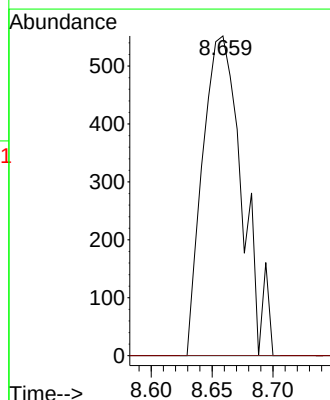
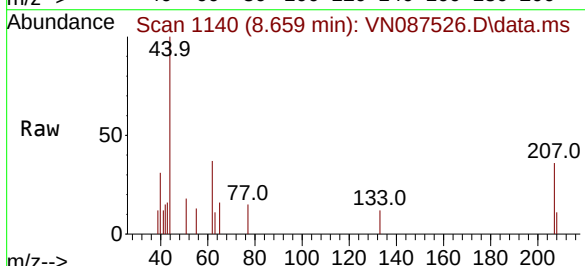
Acq: 13 Aug 2025 11:19

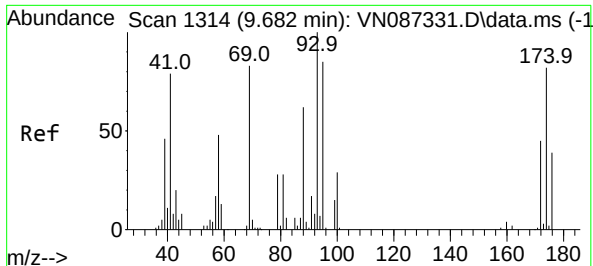
Tgt Ion: 62 Resp: 1244

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0





#49

1,4-Dioxane

Concen: 1.897 ug/l

RT: 9.688 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

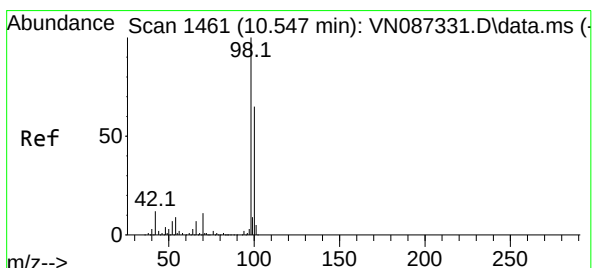
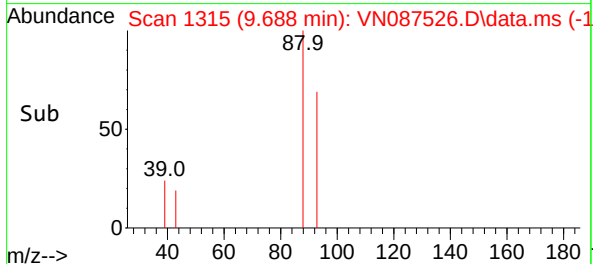
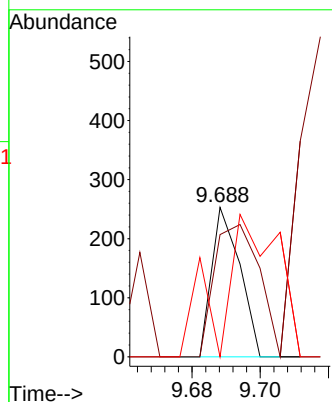
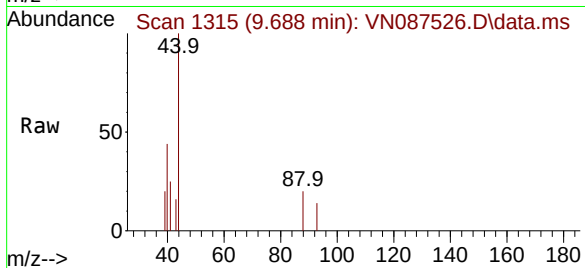
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 141.4 0.0 0.0#

58 192.4 61.1 91.7#



#50

Toluene-d8

Concen: 51.741 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087526.D

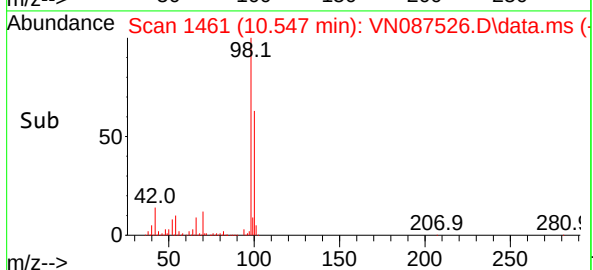
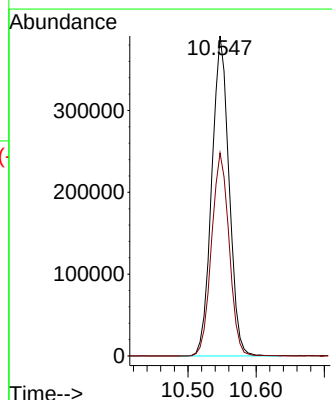
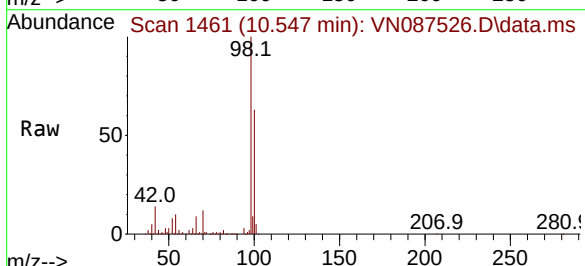
Acq: 13 Aug 2025 11:19

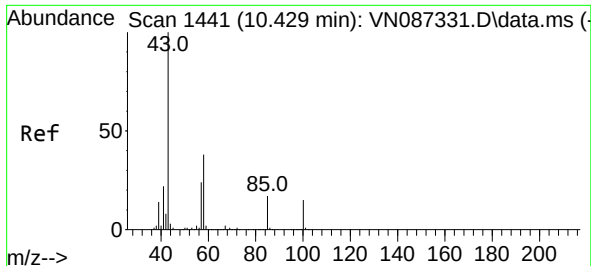
Tgt Ion: 98 Resp: 690601

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1

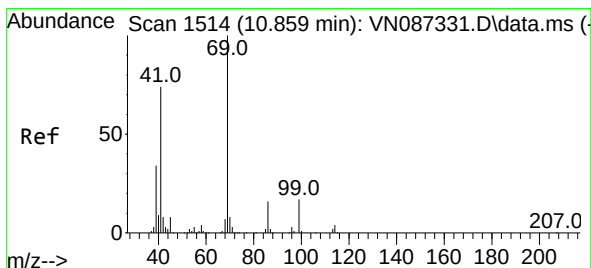
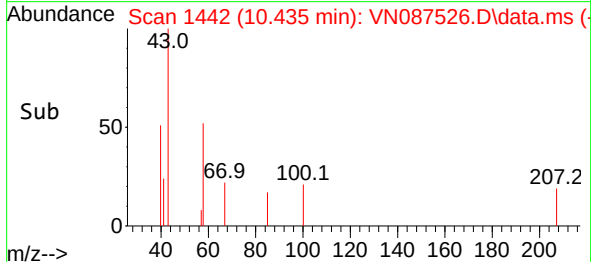
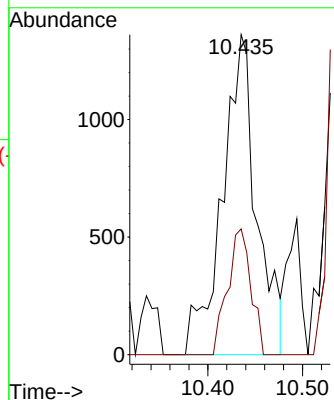
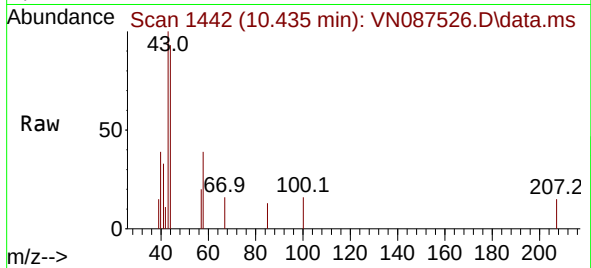




#51
4-Methyl-2-Pentanone
Concen: 0.488 ug/l
RT: 10.435 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

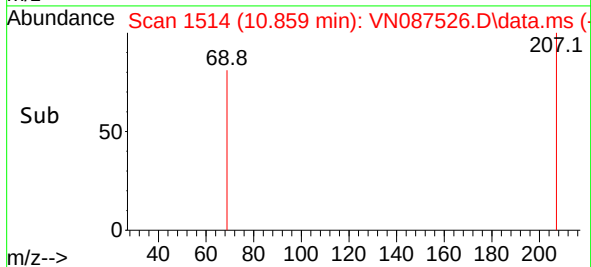
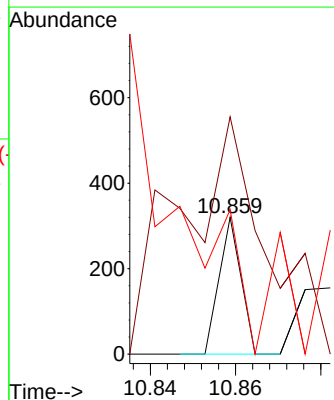
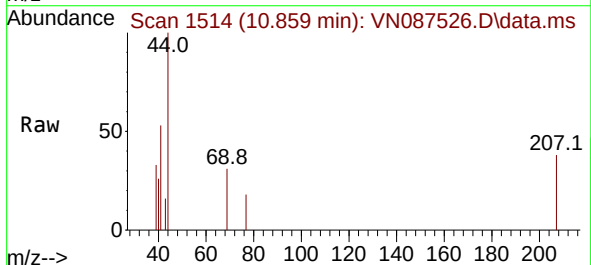
Instrument :
MSVOA_N
ClientSampleId :

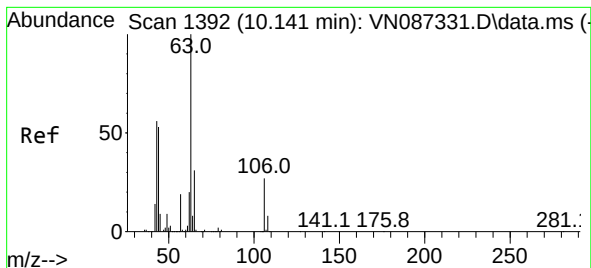
Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
58 26.8 30.8 46.2#



#56
Ethyl methacrylate
Concen: 0.652 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 693.8 55.1 82.7#
39 0.0 27.9 41.9#

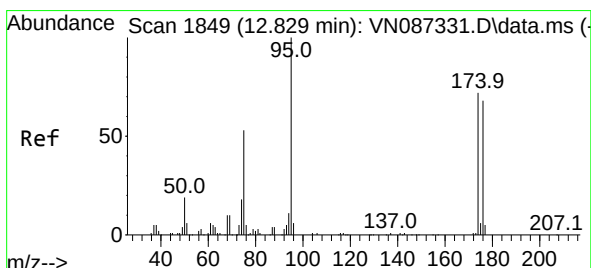
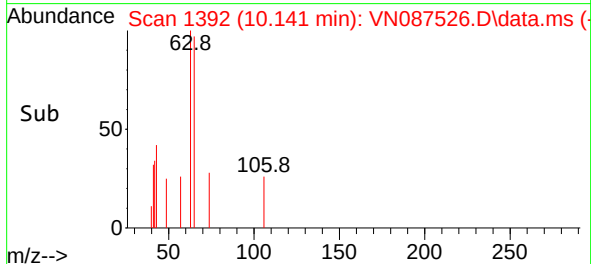
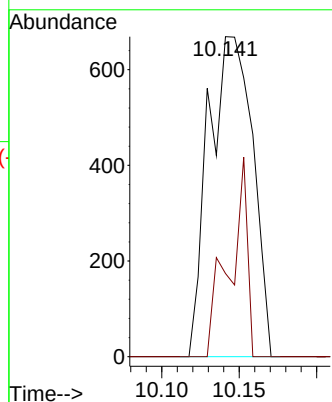
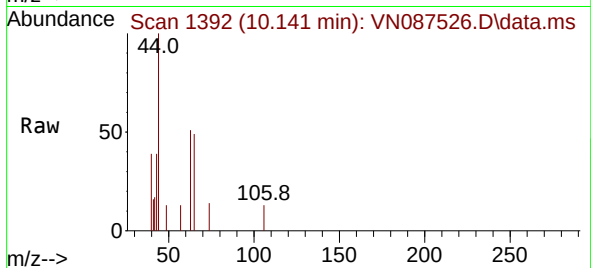




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.411 ug/l
 RT: 10.141 min Scan# 1392
 Delta R.T. 0.000 min
 Lab File: VN087526.D
 Acq: 13 Aug 2025 11:19

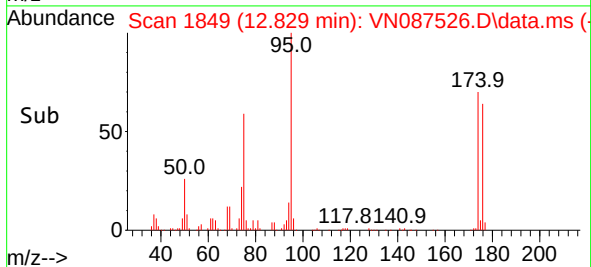
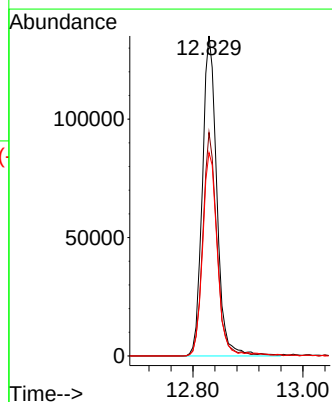
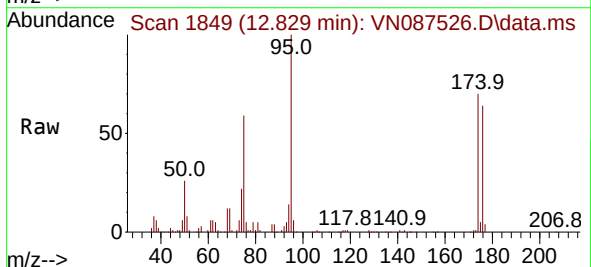
Instrument :
 MSVOA_N
 ClientSampleId :

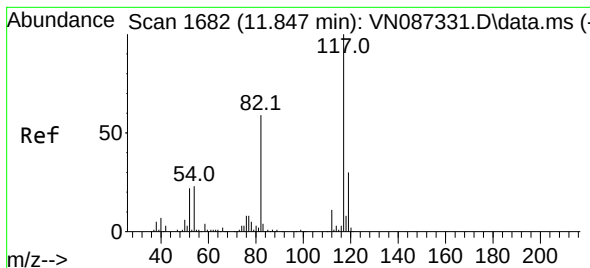
Tgt Ion: 63 Resp: 1326
 Ion Ratio Lower Upper
 63 100
 106 25.3 21.7 32.5



#62
 4-Bromofluorobenzene
 Concen: 50.140 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: VN087526.D
 Acq: 13 Aug 2025 11:19

Tgt Ion: 95 Resp: 247250
 Ion Ratio Lower Upper
 95 100
 174 67.7 0.0 149.4
 176 65.0 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

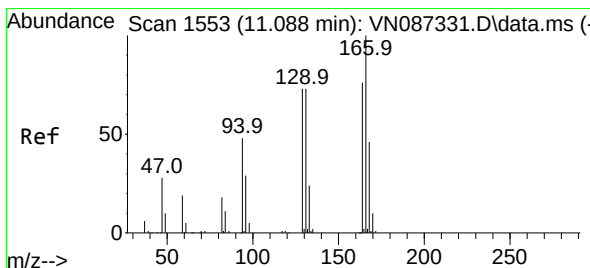
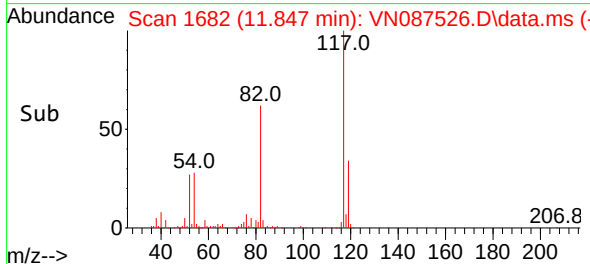
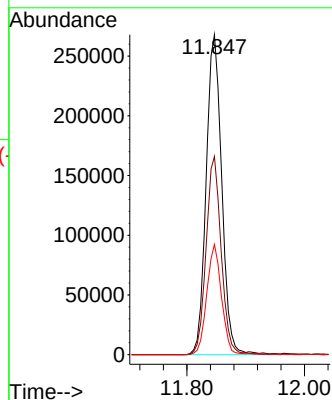
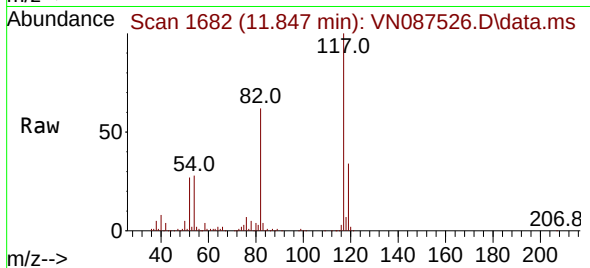
Tgt Ion:117 Resp: 494655

Ion Ratio Lower Upper

117 100

82 61.9 47.4 71.2

119 34.4 23.8 35.8



#64

Tetrachloroethene

Concen: 0.272 ug/l

RT: 11.082 min Scan# 1552

Delta R.T. -0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Tgt Ion:164 Resp: 867

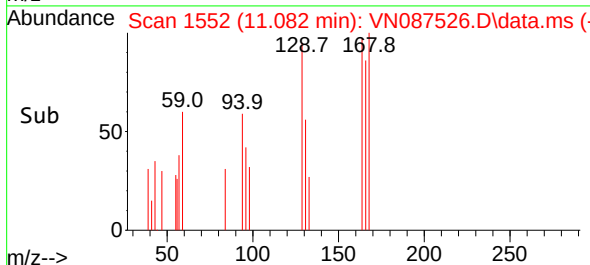
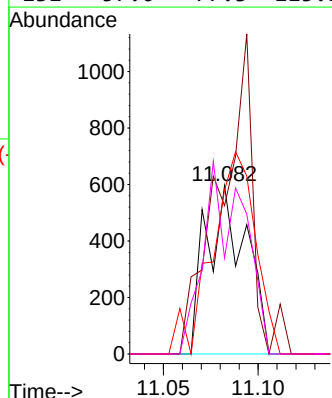
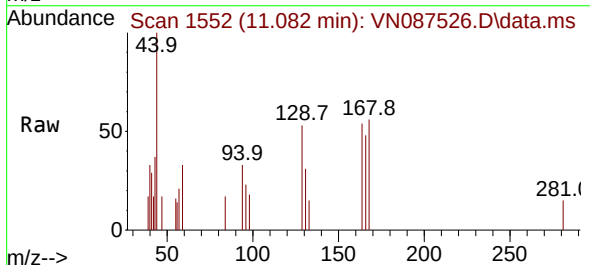
Ion Ratio Lower Upper

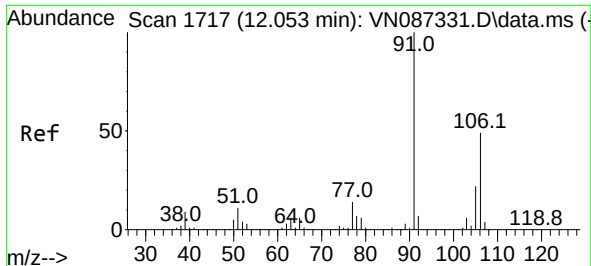
164 100

166 88.1 105.5 158.3#

129 97.3 77.4 116.2

131 57.0 77.3 115.9#

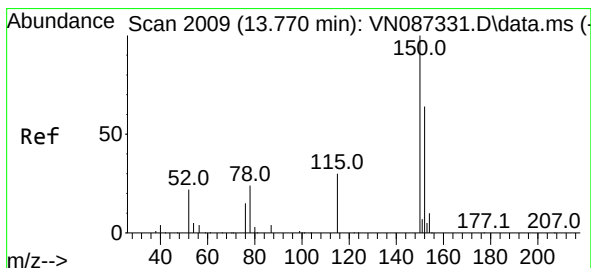
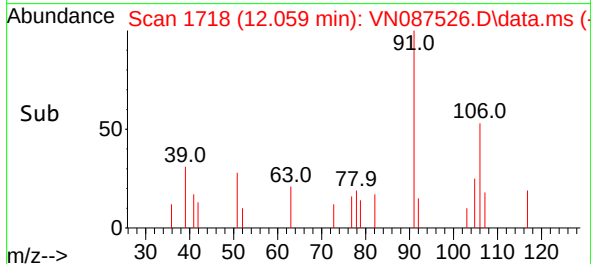
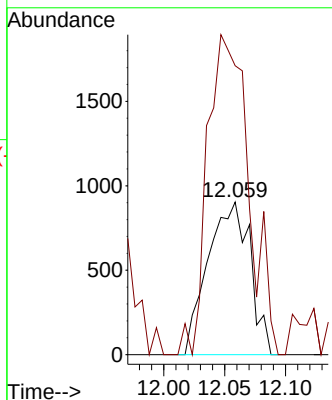
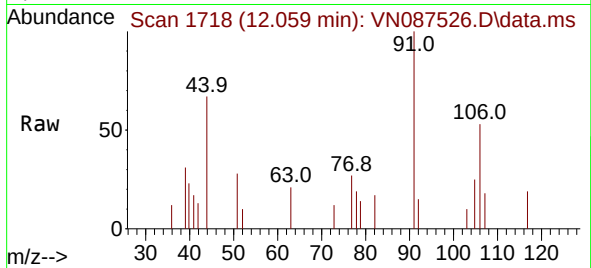




#68
m/p-Xylenes
Concen: 0.318 ug/l
RT: 12.059 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

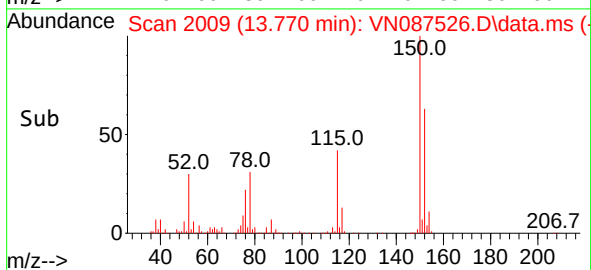
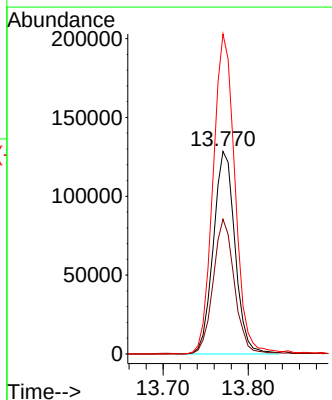
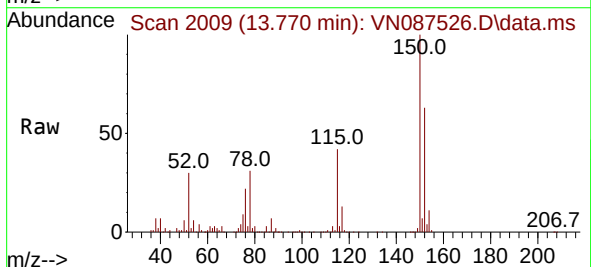
Instrument :
MSVOA_N
ClientSampleId :

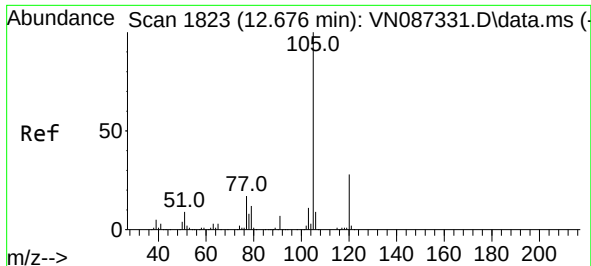
Tgt Ion:106 Resp: 2180
Ion Ratio Lower Upper
106 100
91 205.2 162.0 243.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

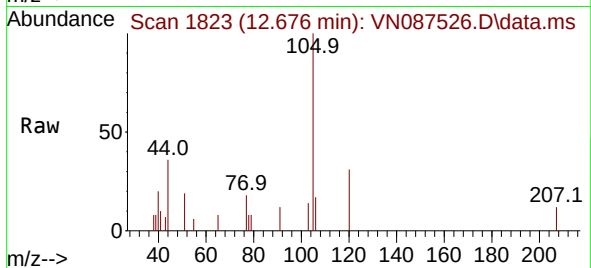
Tgt Ion:152 Resp: 227431
Ion Ratio Lower Upper
152 100
115 65.5 31.1 93.5
150 160.8 0.0 349.0



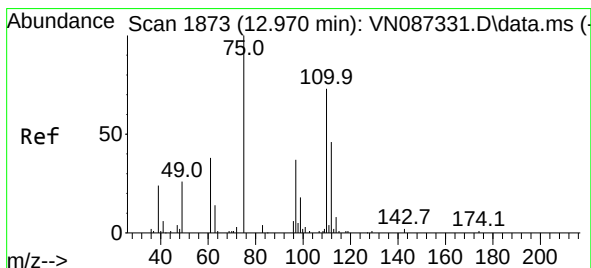
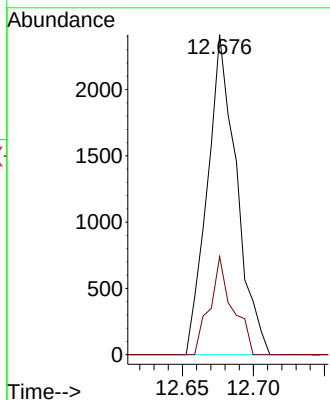
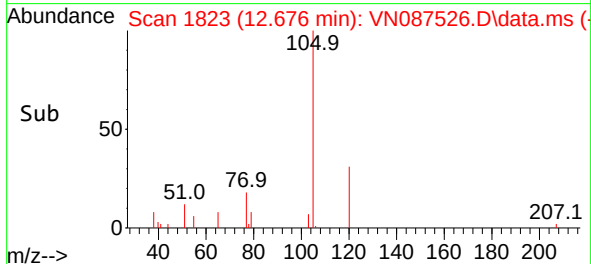


#73
Isopropylbenzene
Concen: 0.241 ug/l
RT: 12.676 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

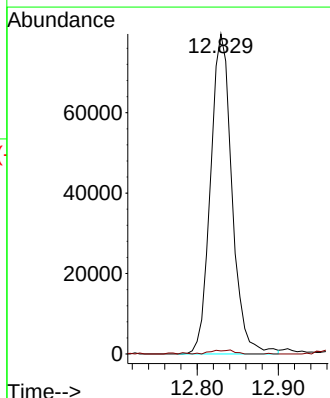
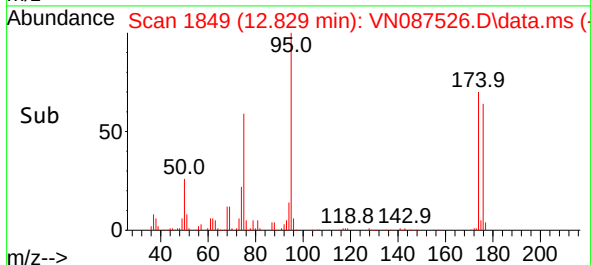
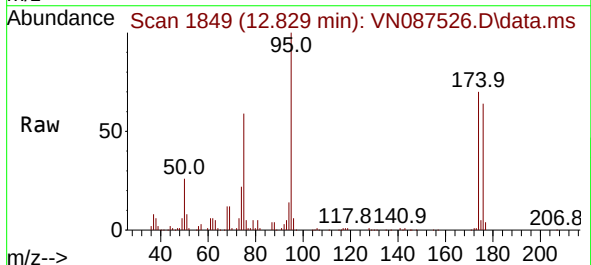


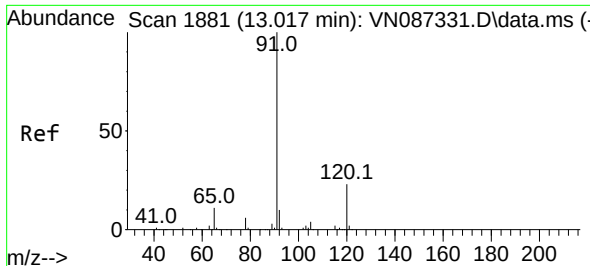
Tgt Ion:105 Resp: 3452
Ion Ratio Lower Upper
105 100
120 23.9 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 28.674 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 75 Resp: 146236
Ion Ratio Lower Upper
75 100
77 1.3 94.5 283.6#

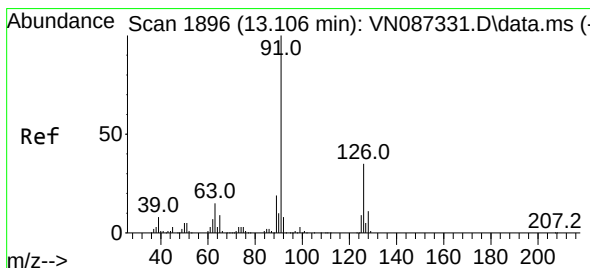
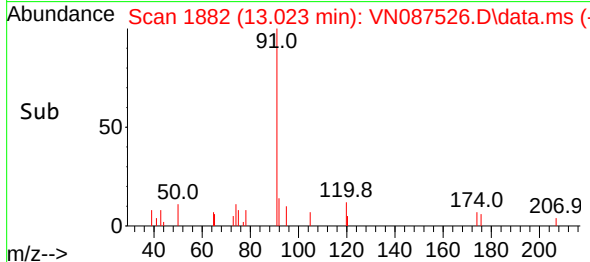
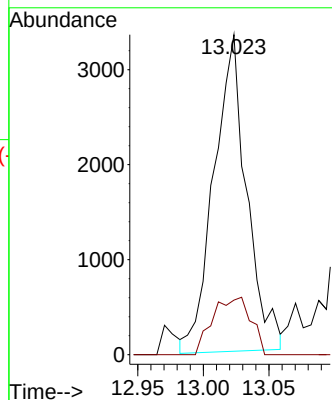
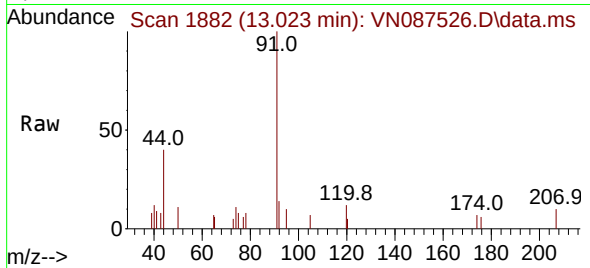




#78
n-propylbenzene
Concen: 0.323 ug/l
RT: 13.023 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

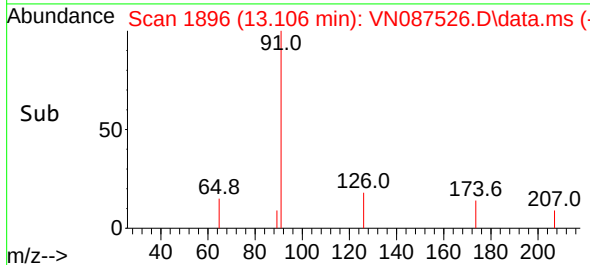
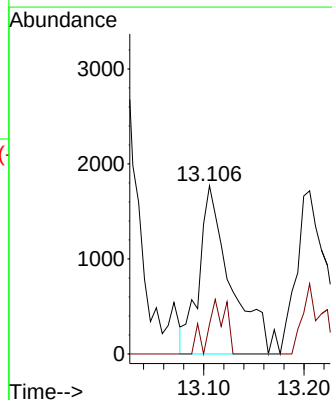
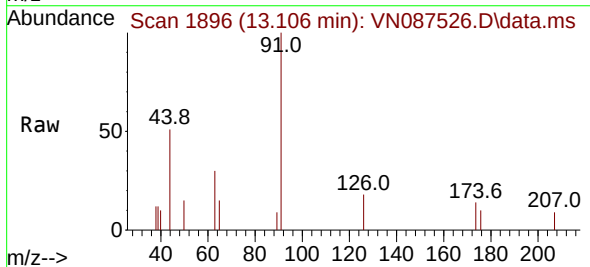
Instrument :
MSVOA_N
ClientSampleId :

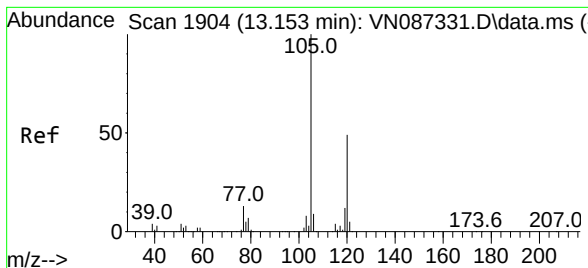
Tgt Ion: 91 Resp: 5810
Ion Ratio Lower Upper
91 100
120 21.1 11.3 33.8



#79
2-Chlorotoluene
Concen: 0.356 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 91 Resp: 3940
Ion Ratio Lower Upper
91 100
126 18.3 16.9 50.6





#80

1,3,5-Trimethylbenzene

Concen: 0.280 ug/l

RT: 13.159 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

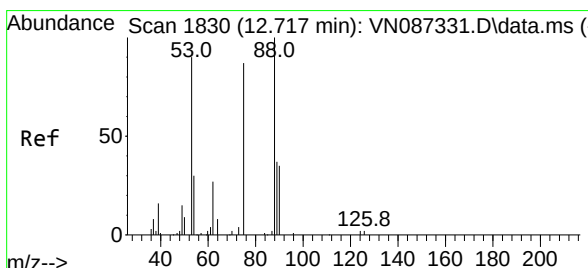
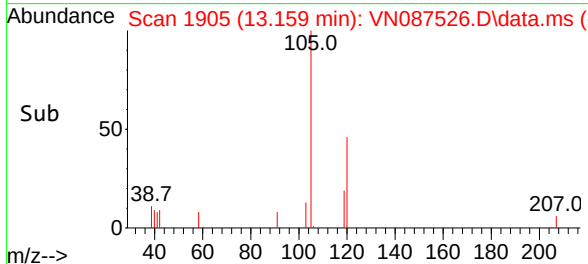
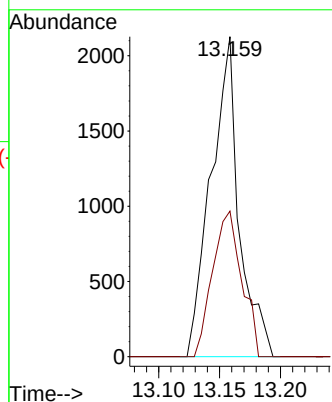
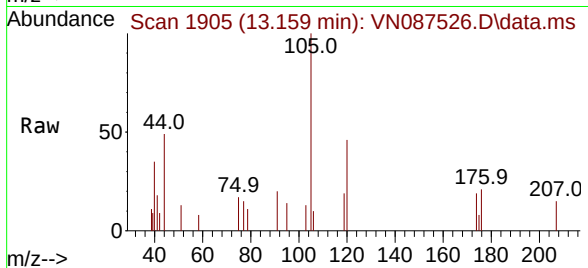
ClientSampleId :

Tgt Ion:105 Resp: 3417

Ion Ratio Lower Upper

105 100

120 47.2 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 78.457 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

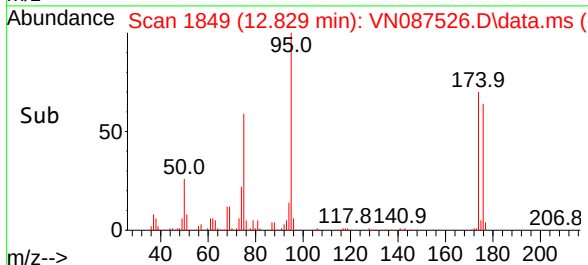
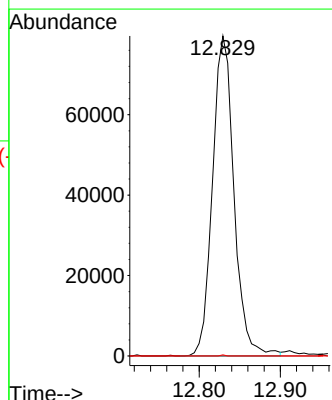
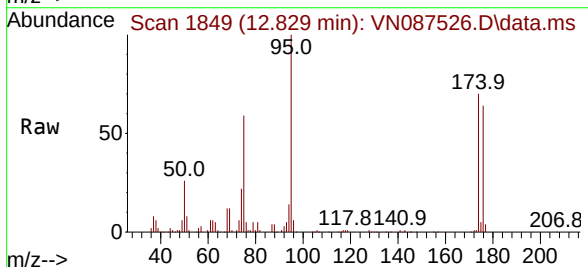
Tgt Ion: 75 Resp: 146236

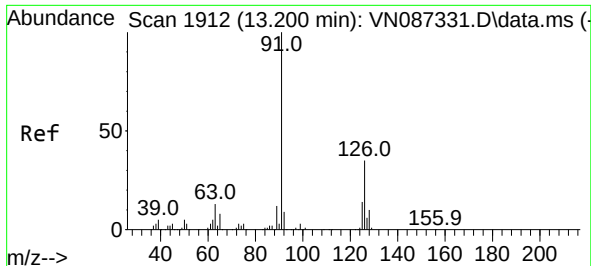
Ion Ratio Lower Upper

75 100

53 0.0 83.5 125.3#

89 0.1 38.4 57.6#

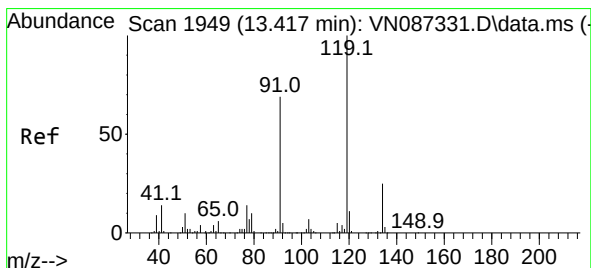
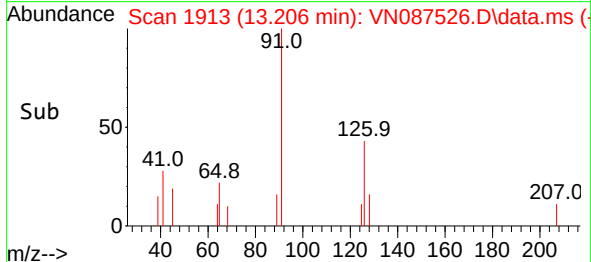
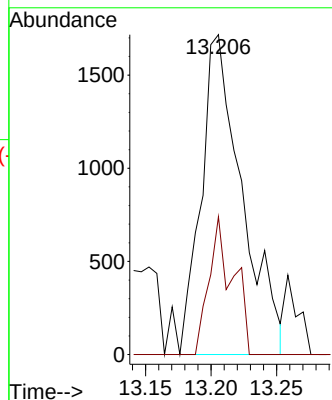
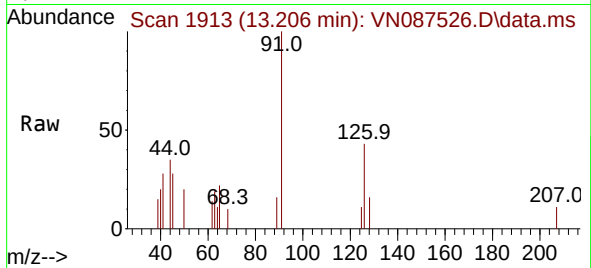




#82
4-Chlorotoluene
Concen: 0.323 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

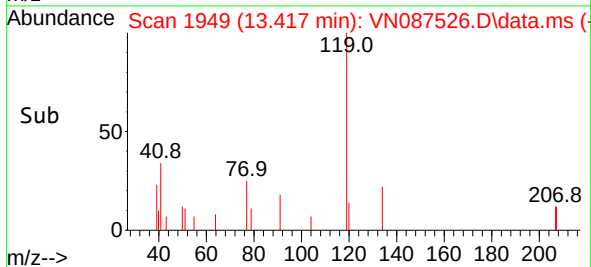
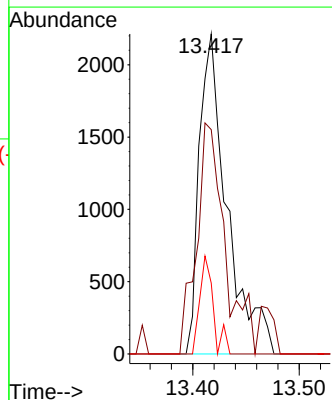
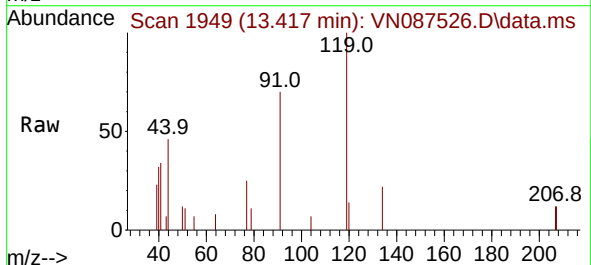
Instrument :
MSVOA_N
ClientSampleId :

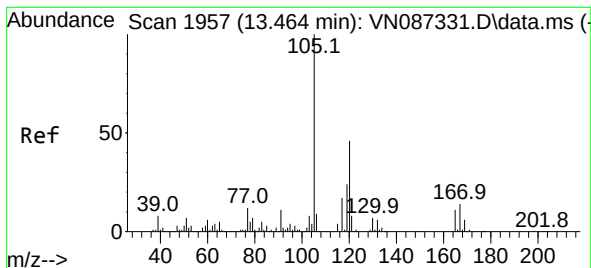
Tgt Ion: 91 Resp: 3723
Ion Ratio Lower Upper
91 100
126 25.3 16.6 49.7



#83
tert-Butylbenzene
Concen: 0.393 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 119 Resp: 4007
Ion Ratio Lower Upper
119 100
91 73.5 35.0 105.1
134 14.9 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 0.312 ug/l

RT: 13.464 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

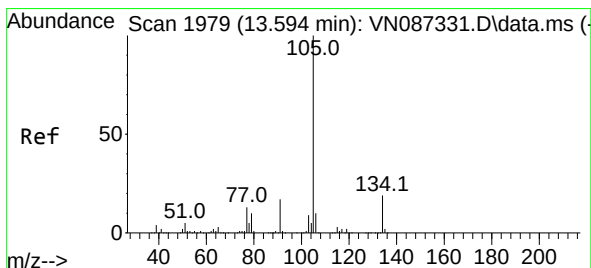
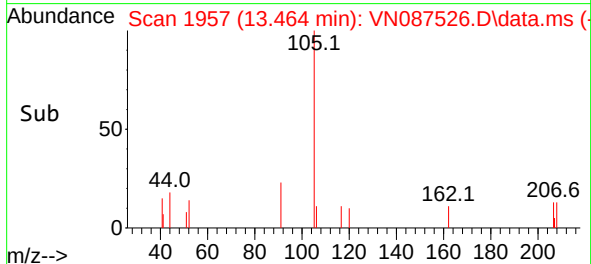
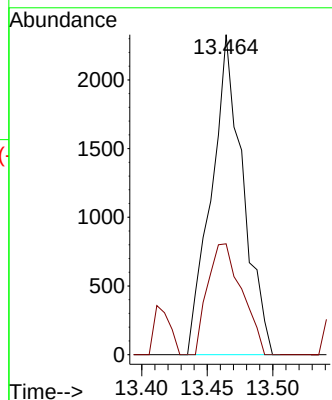
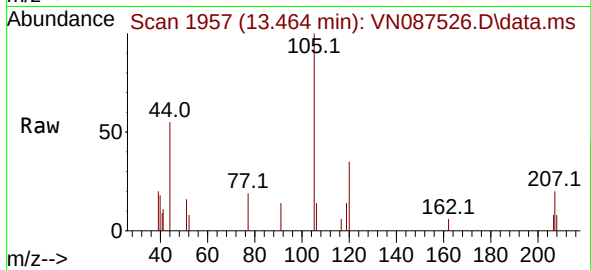
ClientSampleId :

Tgt Ion:105 Resp: 3891

Ion Ratio Lower Upper

105 100

120 37.7 22.8 68.3



#85

sec-Butylbenzene

Concen: 0.422 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087526.D

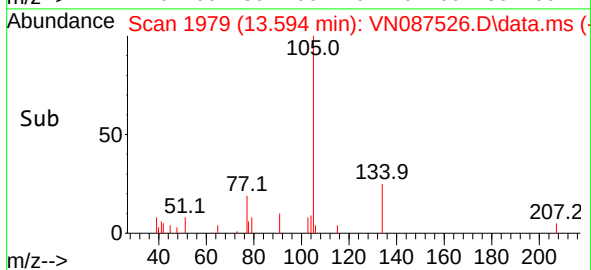
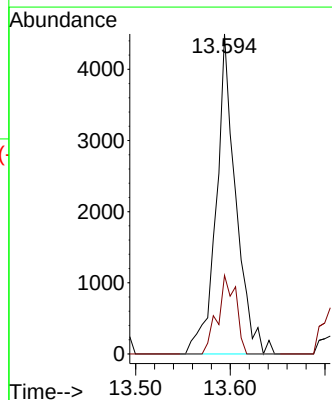
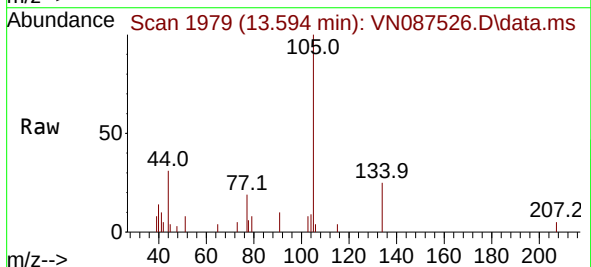
Acq: 13 Aug 2025 11:19

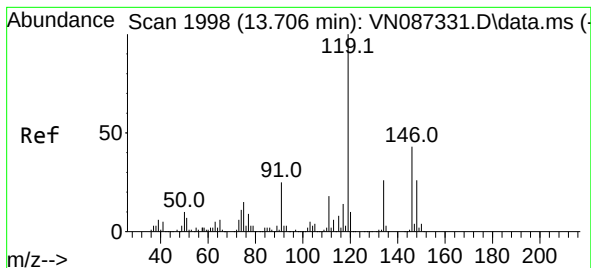
Tgt Ion:105 Resp: 6473

Ion Ratio Lower Upper

105 100

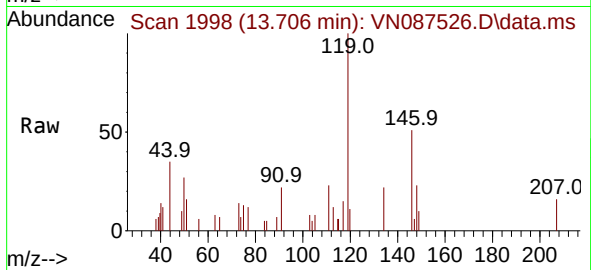
134 22.9 9.8 29.4



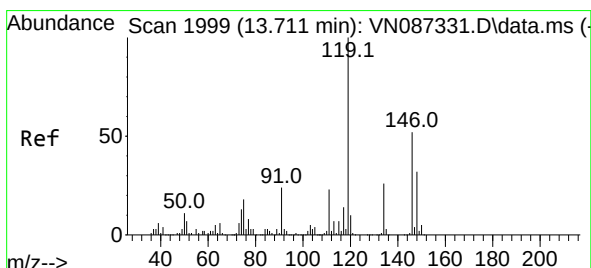
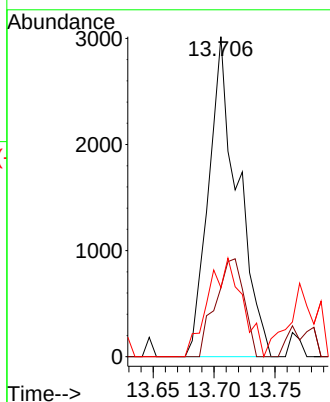
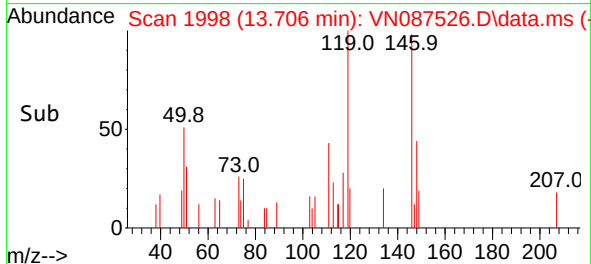


#86
p-Isopropyltoluene
Concen: 0.409 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

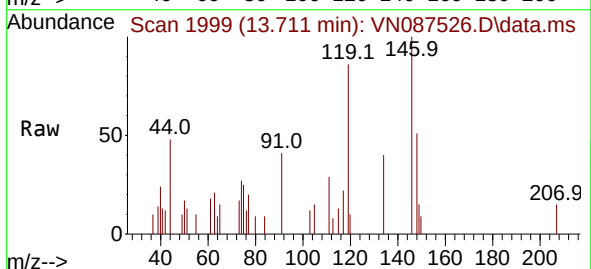
Instrument :
MSVOA_N
ClientSampleId :



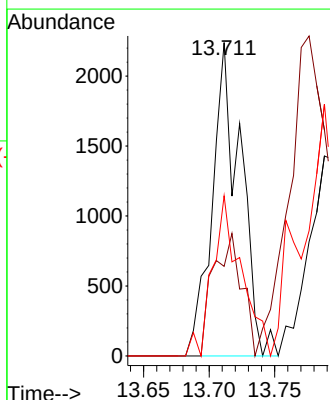
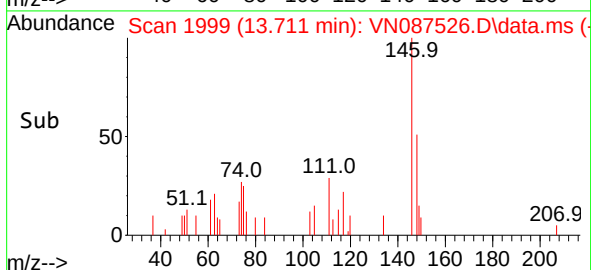
Tgt Ion:119 Resp: 5035
Ion Ratio Lower Upper
119 100
134 29.7 13.5 40.5
91 36.0 12.2 36.6

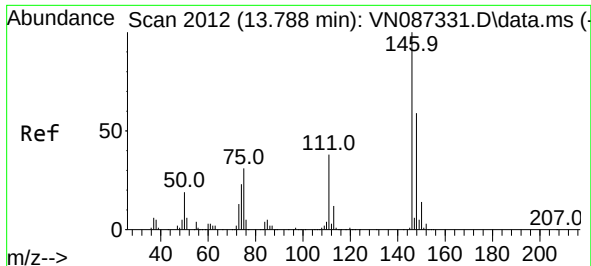


#87
1,3-Dichlorobenzene
Concen: 0.465 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19



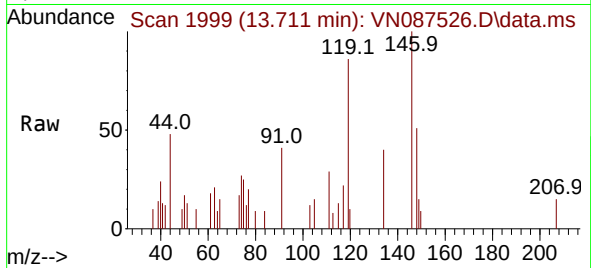
Tgt Ion:146 Resp: 3387
Ion Ratio Lower Upper
146 100
111 38.8 21.4 64.3
148 51.4 31.6 95.0



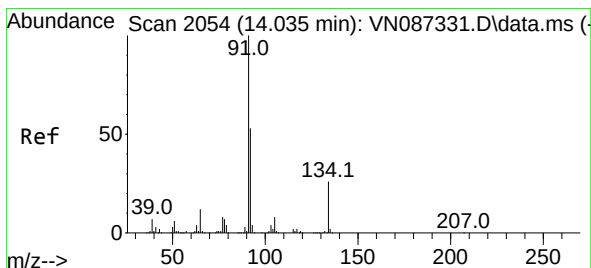
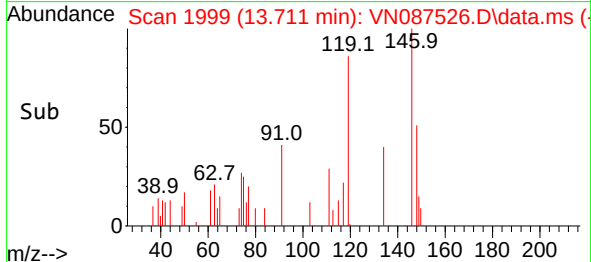
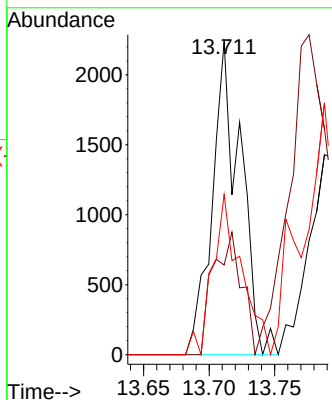


#88
1,4-Dichlorobenzene
Concen: 0.435 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. -0.076 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

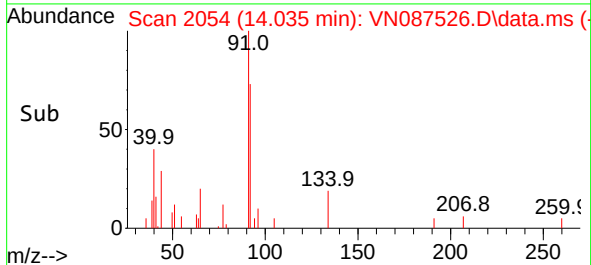
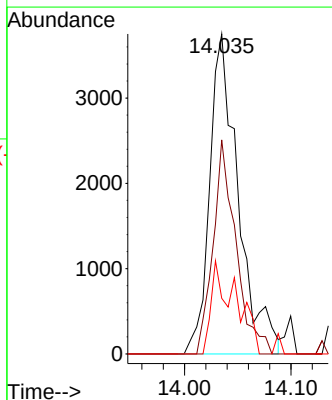
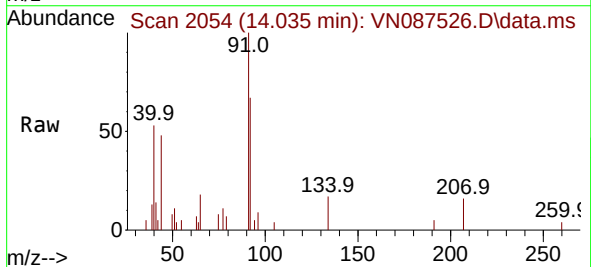


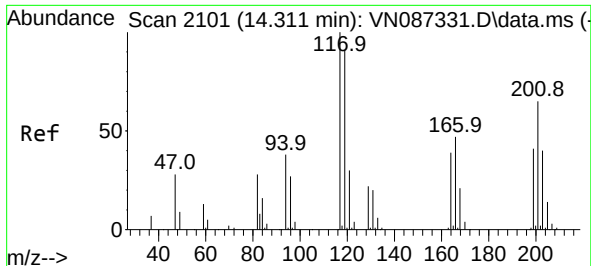
Tgt Ion:146 Resp: 3387
Ion Ratio Lower Upper
146 100
111 38.8 19.6 58.7
148 51.4 31.4 94.0



#89
n-Butylbenzene
Concen: 0.594 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion: 91 Resp: 6979
Ion Ratio Lower Upper
91 100
92 53.5 26.2 78.6
134 13.7 12.4 37.2

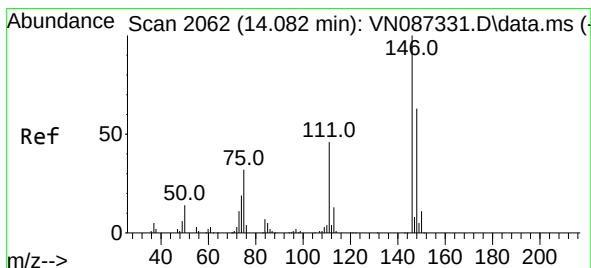
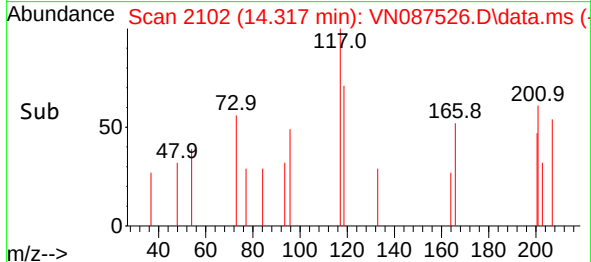
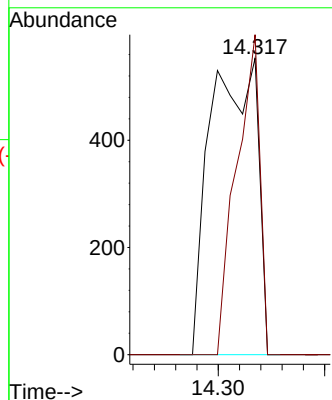
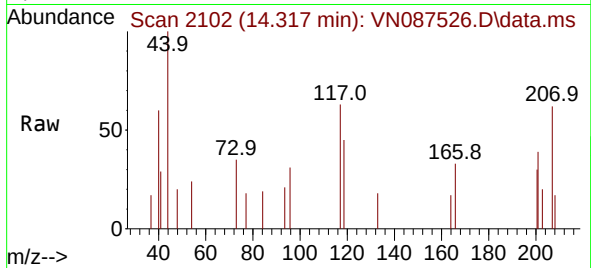




#90
Hexachloroethane
Concen: 0.324 ug/l
RT: 14.317 min Scan# 2101
Delta R.T. 0.006 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

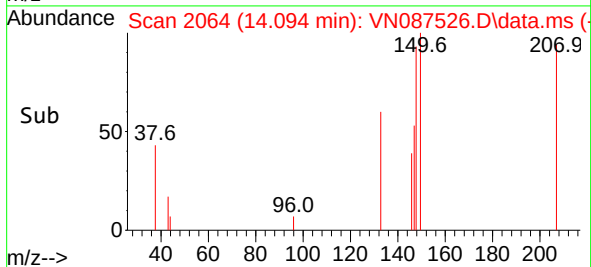
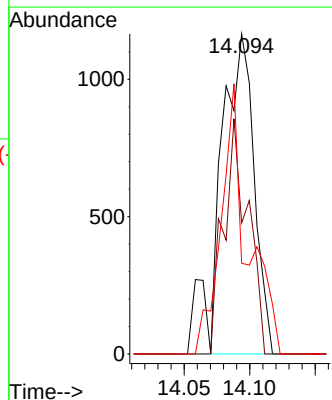
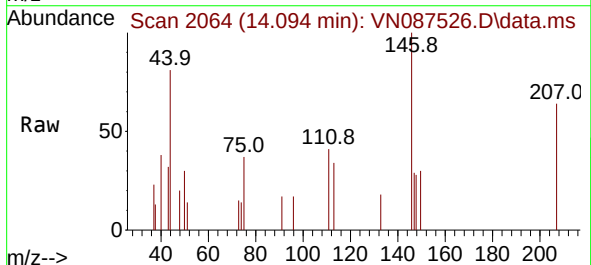
Instrument :
MSVOA_N
ClientSampleId :

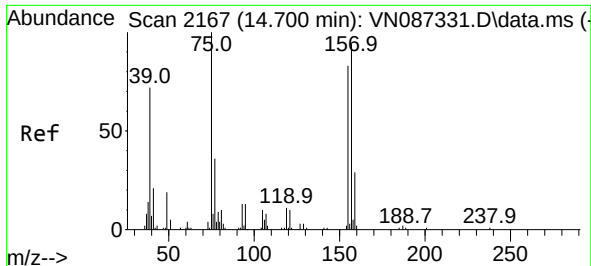
Tgt Ion:117 Resp: 845
Ion Ratio Lower Upper
117 100
201 54.1 32.8 98.4



#91
1,2-Dichlorobenzene
Concen: 0.304 ug/l
RT: 14.094 min Scan# 2064
Delta R.T. 0.012 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Tgt Ion:146 Resp: 2096
Ion Ratio Lower Upper
146 100
111 52.7 22.0 66.0
148 65.3 32.7 98.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.279 ug/l

RT: 14.706 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

Instrument :

MSVOA_N

ClientSampleId :

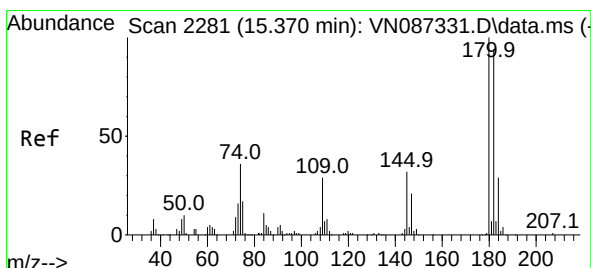
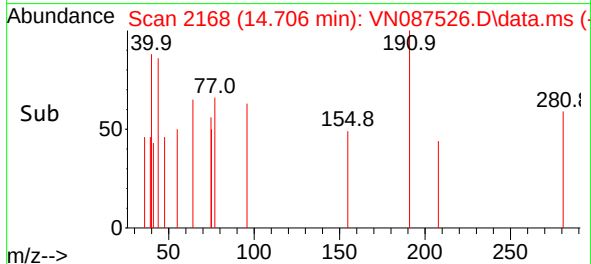
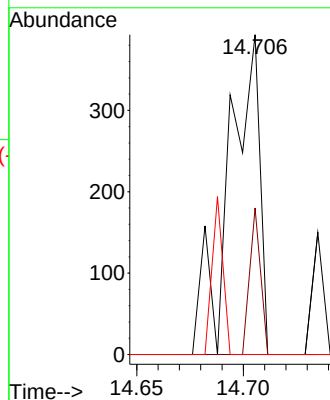
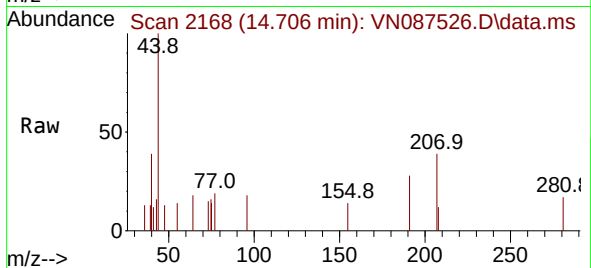
Tgt Ion: 75 Resp: 395

Ion Ratio Lower Upper

75 100

155 15.9 37.3 111.8#

157 17.2 46.2 138.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.953 ug/l

RT: 15.364 min Scan# 2280

Delta R.T. -0.006 min

Lab File: VN087526.D

Acq: 13 Aug 2025 11:19

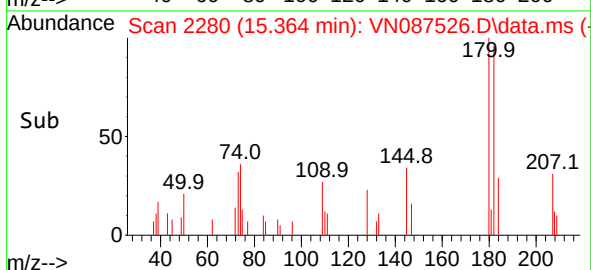
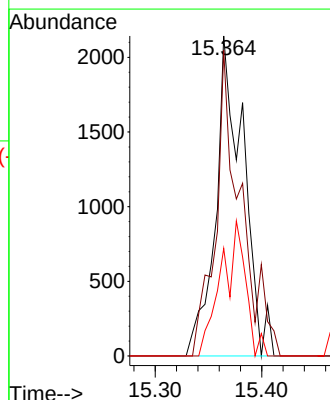
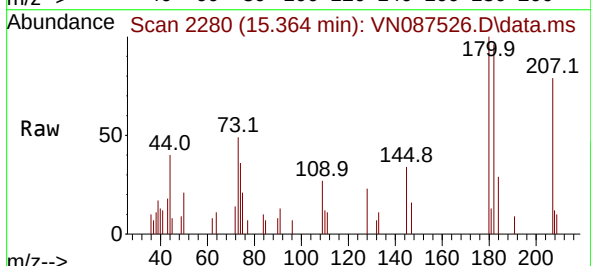
Tgt Ion: 180 Resp: 3864

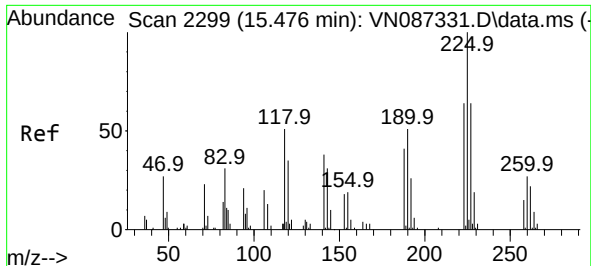
Ion Ratio Lower Upper

180 100

182 87.4 47.3 141.8

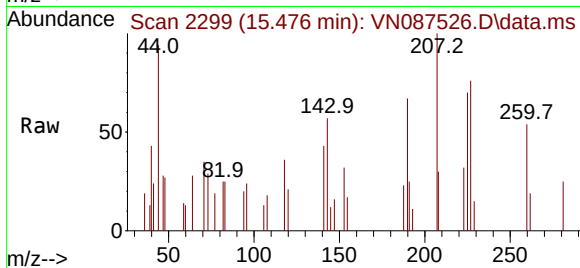
145 37.2 15.4 46.4



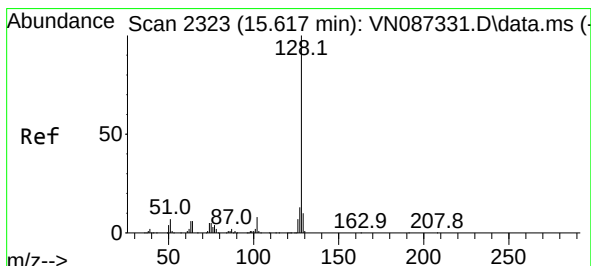
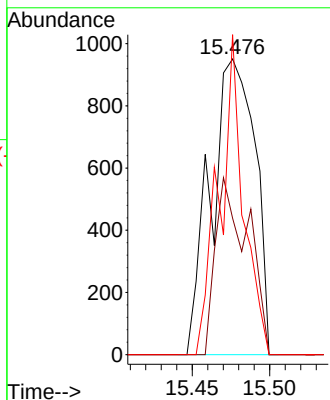
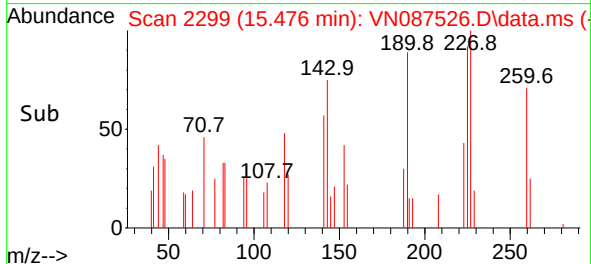


#94
Hexachlorobutadiene
Concen: 1.245 ug/l
RT: 15.476 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

Instrument :
MSVOA_N
ClientSampleId :

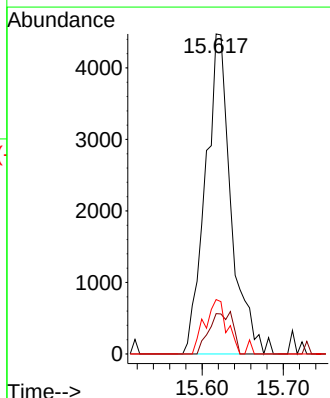
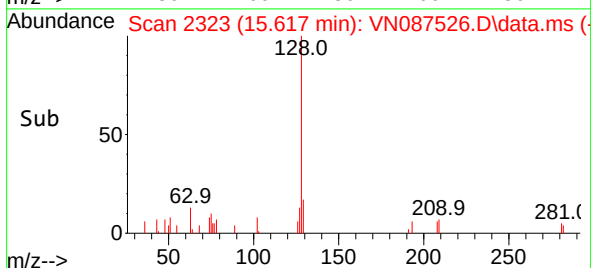
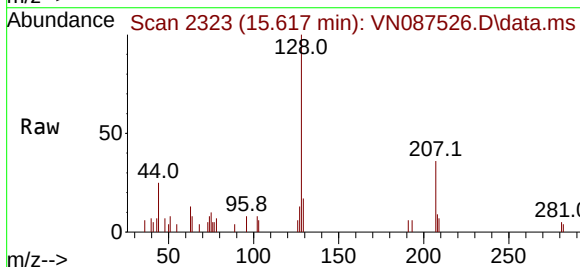


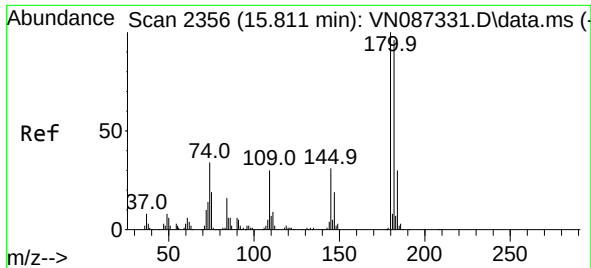
Tgt Ion:225 Resp: 1876
Ion Ratio Lower Upper
225 100
223 44.5 32.1 96.3
227 59.4 31.3 93.9



#95
Naphthalene
Concen: 0.685 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN087526.D
Acq: 13 Aug 2025 11:19

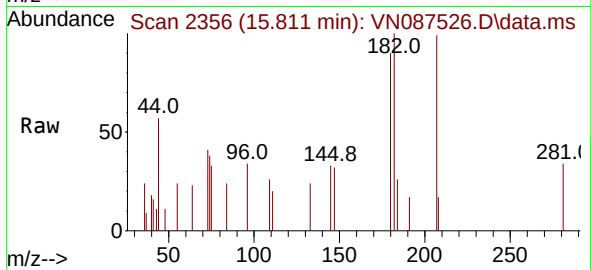
Tgt Ion:128 Resp: 9843
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 14.5 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.860 ug/l
 RT: 15.811 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087526.D
 Acq: 13 Aug 2025 11:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	3498
Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.1	141.4
145	39.2	16.9	50.6

