

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087129.D
 Acq On : 20 Jun 2025 11:42
 Operator : JC\MD
 Sample : Q2354-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3321

Quant Time: Jun 20 23:02:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	265390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	447089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	213690	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	186769	52.562	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.120%	
35) Dibromofluoromethane	8.171	113	162627	50.847	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.700%	
50) Toluene-d8	10.565	98	652648	51.546	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.100%	
62) 4-Bromofluorobenzene	12.847	95	217510	46.239	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.480%	

Target Compounds				Qvalue		
8) Diethyl Ether	3.983	74	1388	0.692	ug/l #	4
10) Methyl Iodide	4.624	142	1561	0.416	ug/l #	44
11) Tert butyl alcohol	5.530	59	11282	11.702	ug/l	95
13) Acrolein	4.200	56	104217	341.486	ug/l	88
16) Acetone	4.442	43	605370	321.265	ug/l	96
18) Methyl Acetate	5.047	43	33190	6.044	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	20531	1.920	ug/l #	73
20) Methylene Chloride	5.306	84	10148	2.877	ug/l	93
22) Diisopropyl ether	6.694	45	3099	0.300	ug/l #	90
25) 2-Butanone	7.488	43	48978	15.991	ug/l	98
29) Tetrahydrofuran	7.853	42	625	0.313	ug/l #	53
31) Cyclohexane	8.265	56	41103	7.132	ug/l	96
36) 1,1-Dichloropropene	8.230	75	20207	4.240	ug/l #	48
37) Ethyl Acetate	7.571	43	31227	5.147	ug/l	99
38) Carbon Tetrachloride	8.224	117	26450	5.653	ug/l #	17
39) Methylcyclohexane	9.606	83	37821	5.792	ug/l	92
40) Benzene	8.612	78	932515	59.836	ug/l	99
42) 1,2-Dichloroethane	8.606	62	6889	1.457	ug/l #	72
43) Isopropyl Acetate	8.694	43	14820	1.522	ug/l #	84
45) 1,2-Dichloropropane	9.653	63	1861	0.491	ug/l #	1
48) Methyl methacrylate	9.653	41	510615	113.930	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	17135	2.923	ug/l	97
52) Toluene	10.629	92	1782927	187.202	ug/l	99
53) t-1,3-Dichloropropene	10.629	75	18224	3.145	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	42257	6.816	ug/l #	58
55) 1,1,2-Trichloroethane	11.000	97	3598	0.982	ug/l #	20
56) Ethyl methacrylate	10.835	69	2805	0.481	ug/l #	29
57) 1,3-Dichloropropane	11.206	76	2642	0.416	ug/l #	43
59) 2-Hexanone	11.300	43	3460296	916.406	ug/l #	46
67) Ethyl Benzene	11.959	91	685386	40.353	ug/l	99
68) m/p-Xylenes	12.065	106	835365	128.482	ug/l	98
69) o-Xylene	12.394	106	534218	85.790	ug/l	96
70) Styrene	12.394	104	26236	2.462	ug/l #	1
71) Bromoform	12.853	173	1163	0.495	ug/l #	1
73) Isopropylbenzene	12.694	105	93716	6.020	ug/l	100
74) N-amyl acetate	12.482	43	4043	0.743	ug/l #	40

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 Response via : Initial Calibration

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

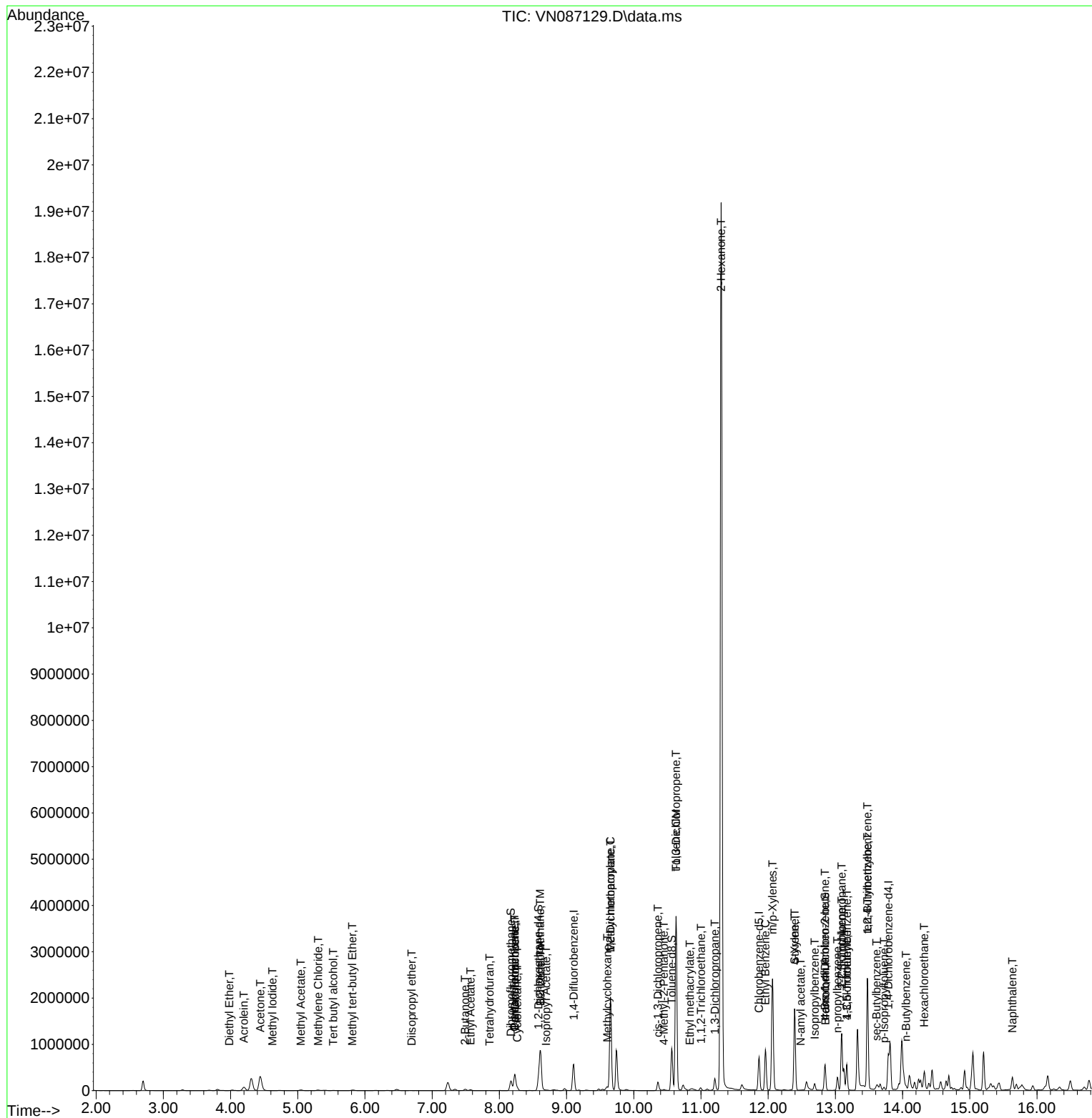
76) 1,2,3-Trichloropropane	13.094	75	8723	1.717	ug/l	#	1
78) n-propylbenzene	13.029	91	236328	12.492	ug/l		99
79) 2-Chlorotoluene	13.094	91	127811	11.265	ug/l	#	42
80) 1,3,5-Trimethylbenzene	13.170	105	303819	23.638	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.847	75	98610	44.689	ug/l	#	16
82) 4-Chlorotoluene	13.170	91	30755	2.679	ug/l	#	41
83) tert-Butylbenzene	13.476	119	175084	14.882	ug/l	#	72
84) 1,2,4-Trimethylbenzene	13.476	105	1416229	109.884	ug/l		99
85) sec-Butylbenzene	13.612	105	43465	2.544	ug/l		82
86) p-Isopropyltoluene	13.723	119	27322	1.935	ug/l		99
89) n-Butylbenzene	14.053	91	36568	2.673	ug/l	#	81
90) Hexachloroethane	14.323	117	16018	6.691	ug/l	#	17
95) Naphthalene	15.635	128	282305	17.600	ug/l		99

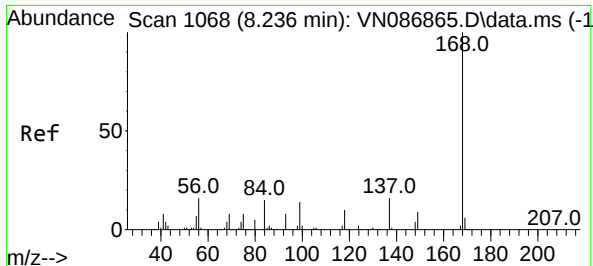
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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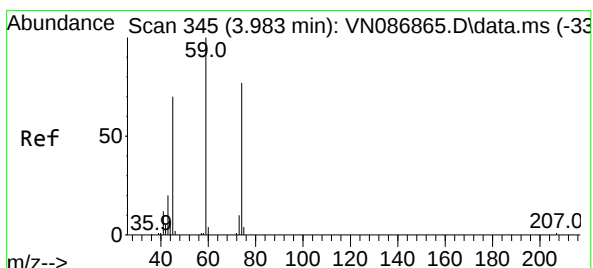
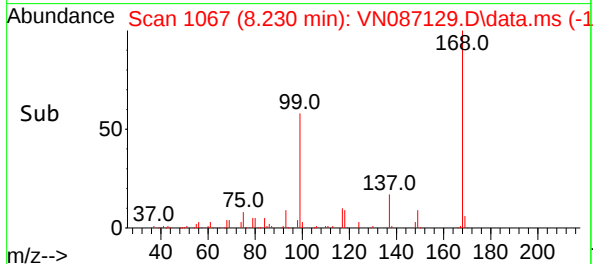
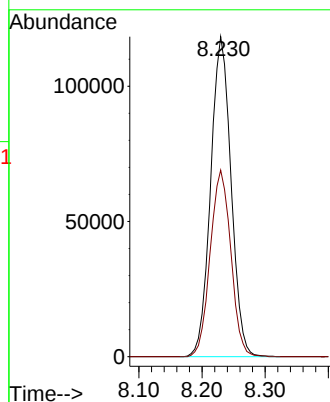
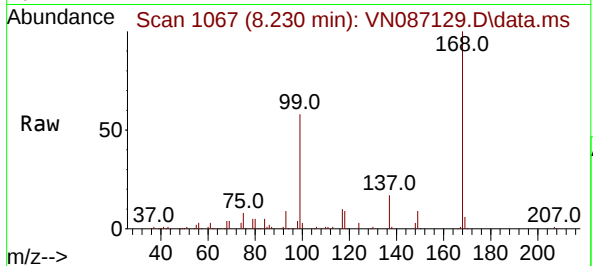




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

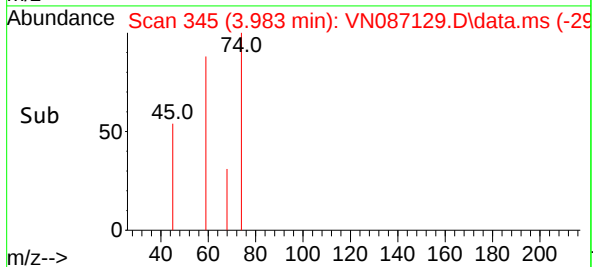
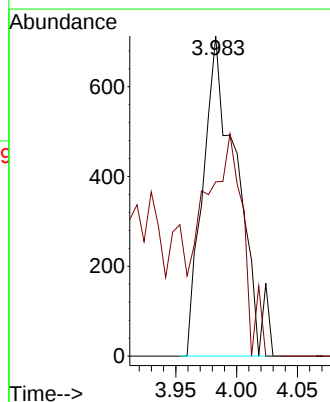
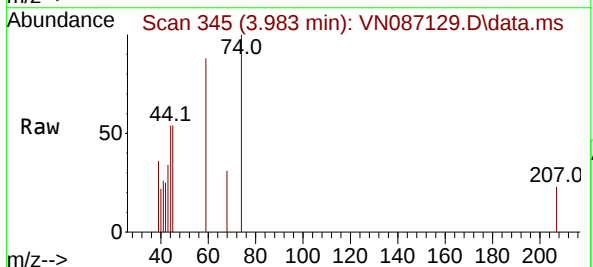
Instrument :
MSVOA_N
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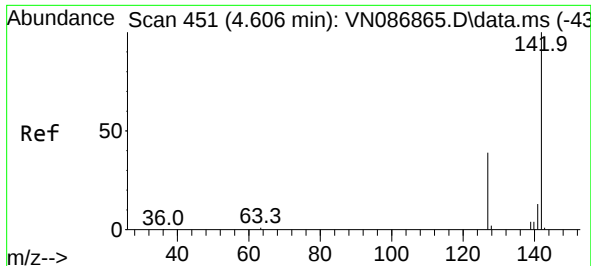
Tgt Ion:168 Resp: 265390
Ion Ratio Lower Upper
168 100
99 58.3 49.1 73.7



#8
Diethyl Ether
Concen: 0.692 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

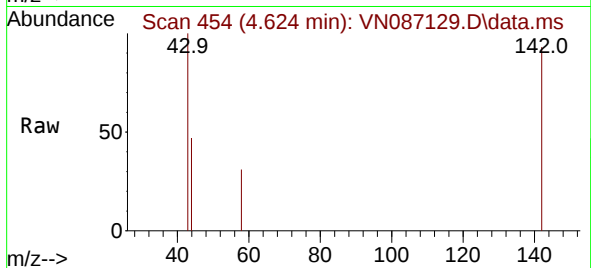
Tgt Ion: 74 Resp: 1388
Ion Ratio Lower Upper
74 100
45 0.0 45.5 136.5#



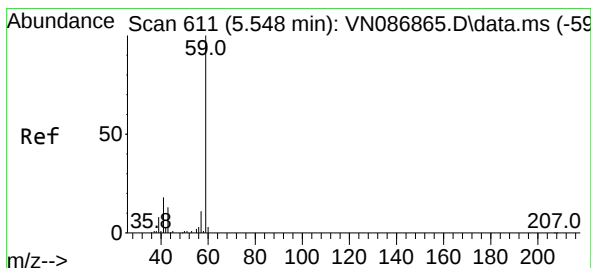
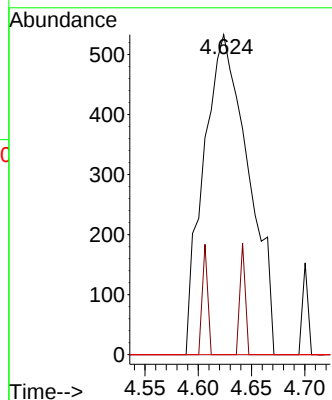


#10
Methyl Iodide
Concen: 0.416 ug/l
RT: 4.624 min Scan# 411
Delta R.T. 0.017 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Instrument :
MSVOA_N
ClientSampleId :
3321

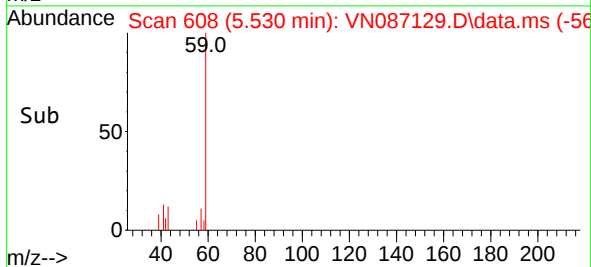
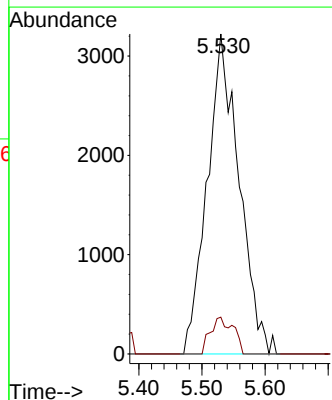
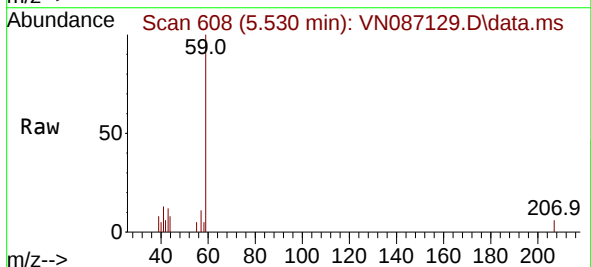


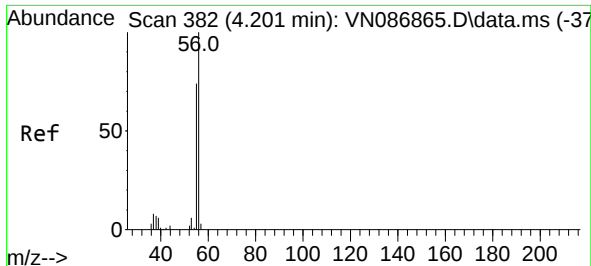
Tgt Ion:142 Resp: 1561
Ion Ratio Lower Upper
142 100
127 0.0 30.9 46.3#
141 0.0 10.4 15.6#



#11
Tert butyl alcohol
Concen: 11.702 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 59 Resp: 11282
Ion Ratio Lower Upper
59 100
57 8.2 8.1 12.1

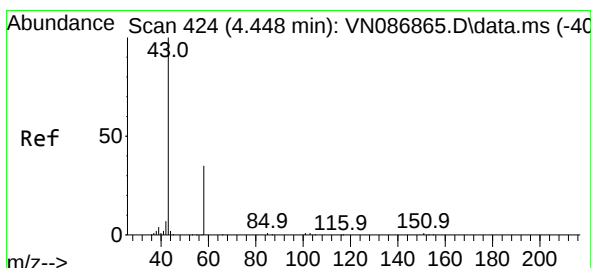
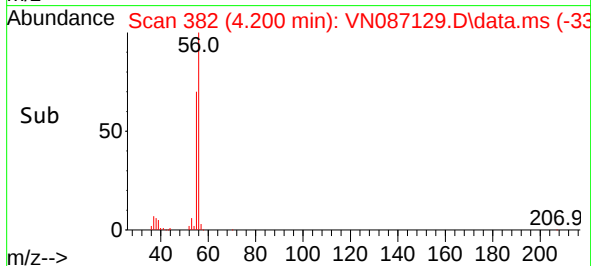
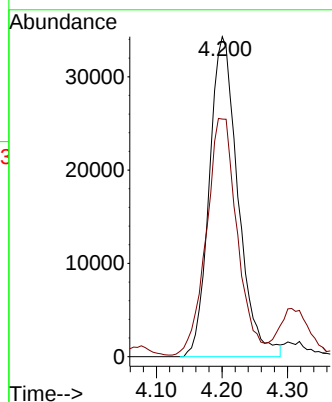
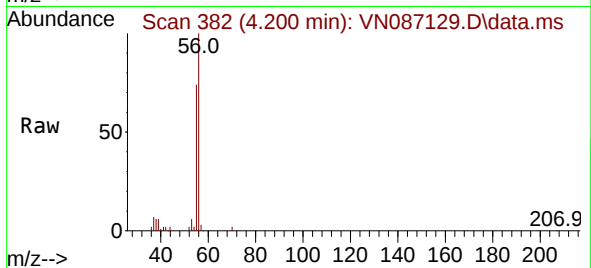




#13
Acrolein
Concen: 341.486 ug/l
RT: 4.200 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

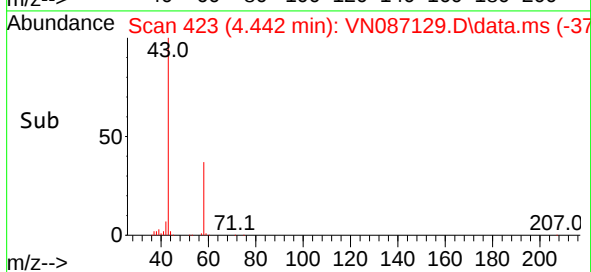
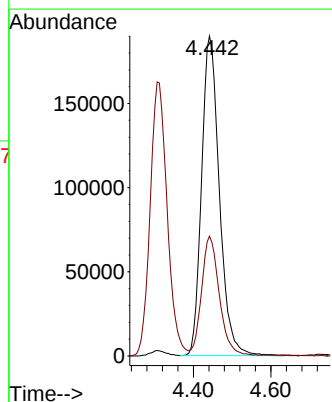
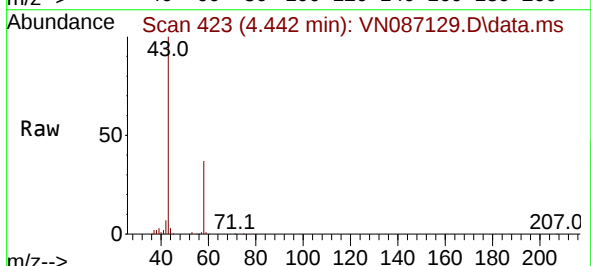
Instrument :
MSVOA_N
ClientSampleId :
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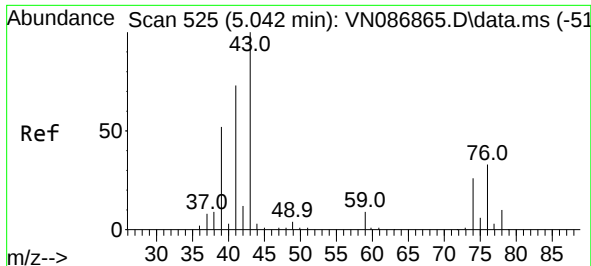
Tgt Ion: 56 Resp: 104217
Ion Ratio Lower Upper
56 100
55 79.4 55.6 83.4



#16
Acetone
Concen: 321.265 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 43 Resp: 605370
Ion Ratio Lower Upper
43 100
58 37.4 28.0 42.0

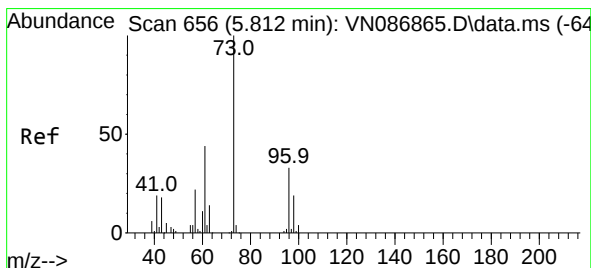
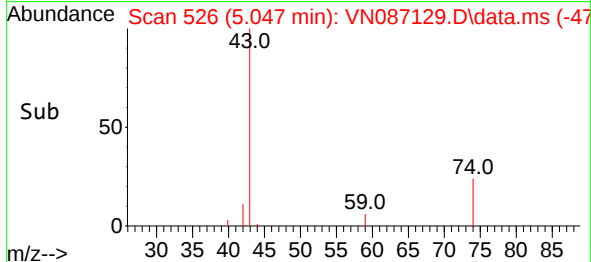
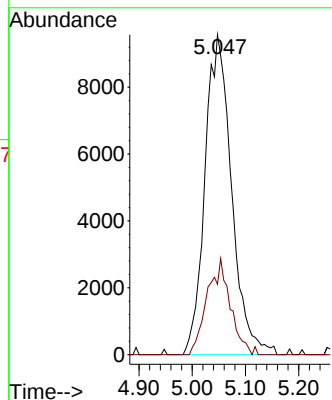
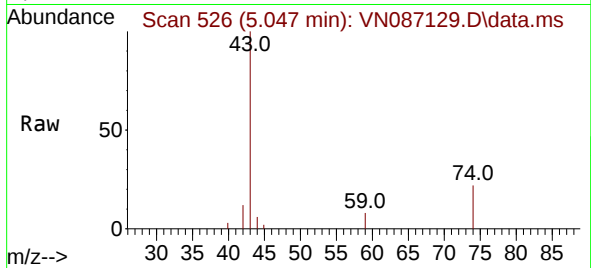




#18
Methyl Acetate
Concen: 6.044 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

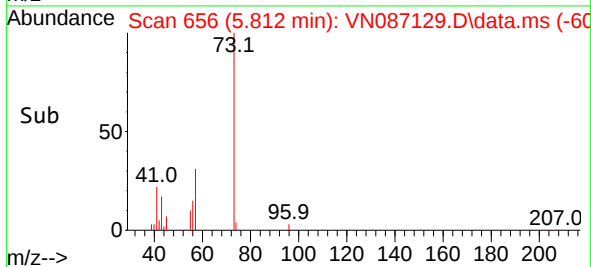
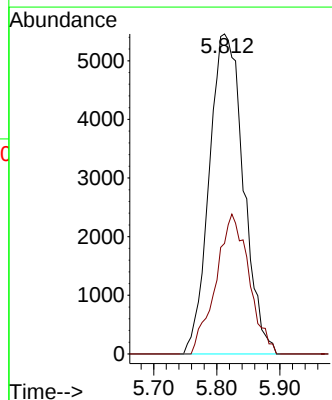
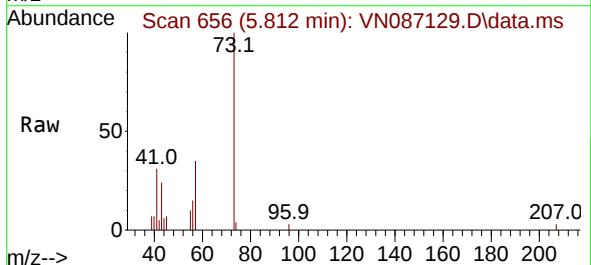
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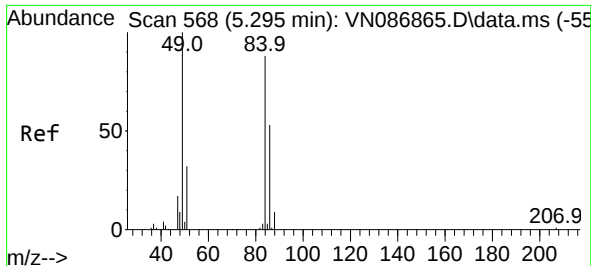
Tgt Ion: 43 Resp: 33190
Ion Ratio Lower Upper
43 100
74 26.0 20.7 31.1



#19
Methyl tert-butyl Ether
Concen: 1.920 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 73 Resp: 20531
Ion Ratio Lower Upper
73 100
57 34.6 17.4 26.2#

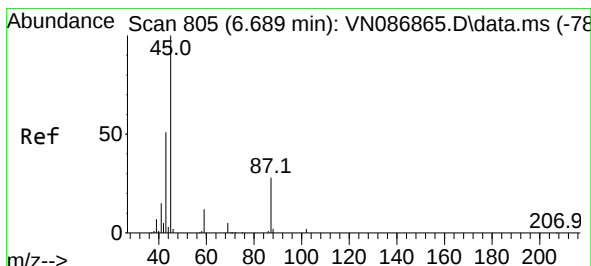
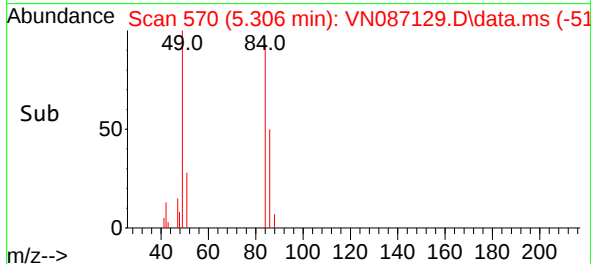
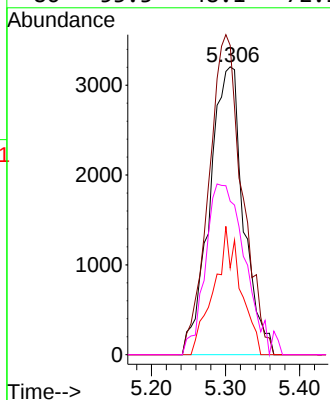
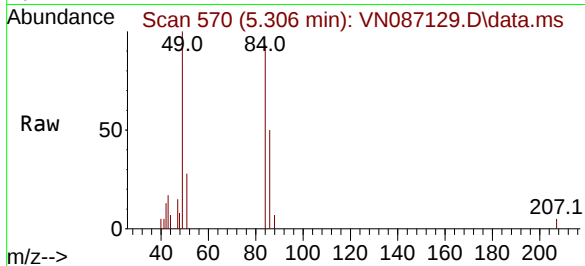




#20
Methylene Chloride
Concen: 2.877 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

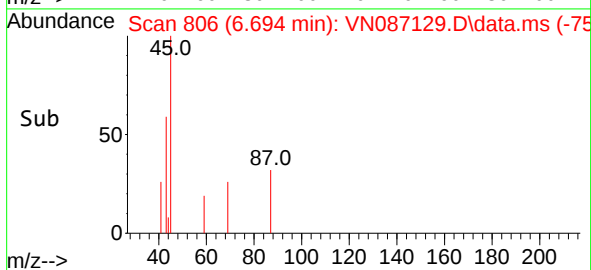
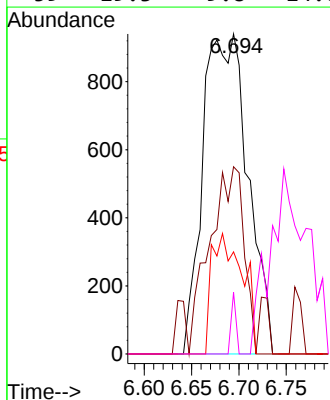
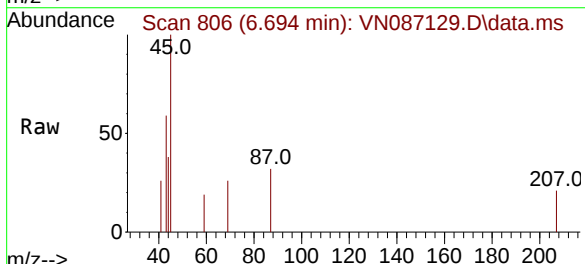
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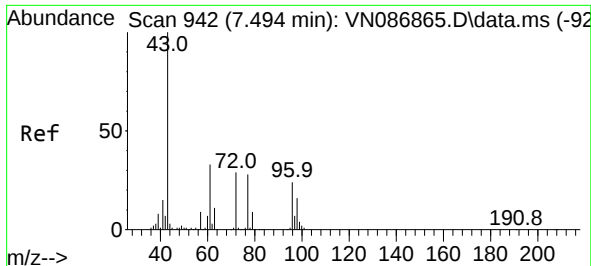
Tgt Ion:	84	Resp:	10148
Ion	Ratio	Lower	Upper
84	100		
49	107.5	90.5	135.7
51	30.1	28.5	42.7
86	53.3	48.1	72.1



#22
Diisopropyl ether
Concen: 0.300 ug/l
RT: 6.694 min Scan# 806
Delta R.T. 0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion:	45	Resp:	3099
Ion	Ratio	Lower	Upper
45	100		
43	58.5	41.9	62.9
87	31.9	22.4	33.6
59	19.3	9.8	14.6

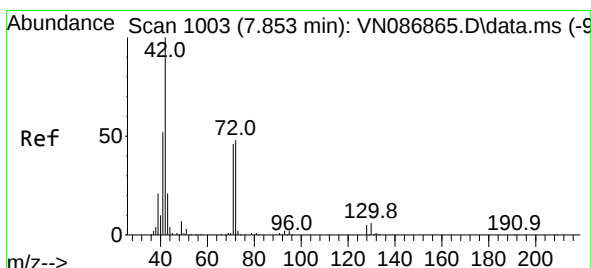
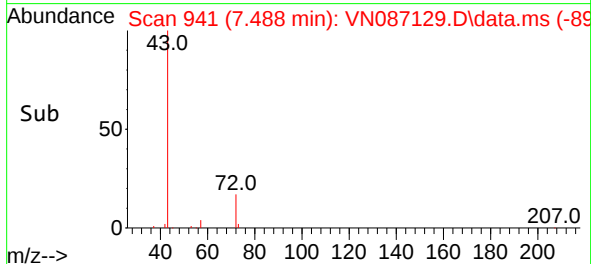
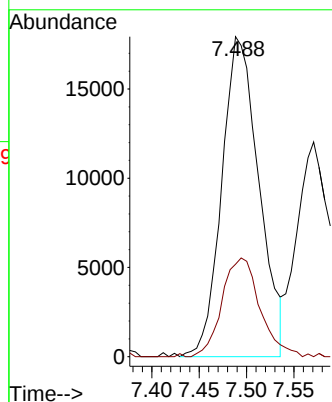
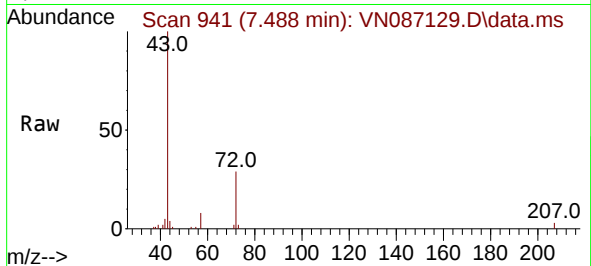




#25
2-Butanone
Concen: 15.991 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

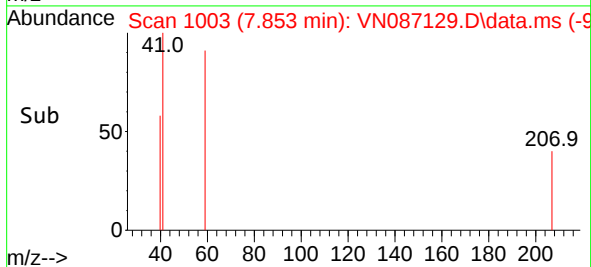
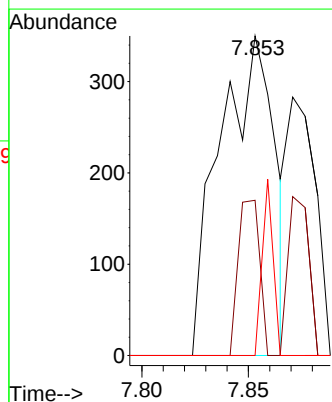
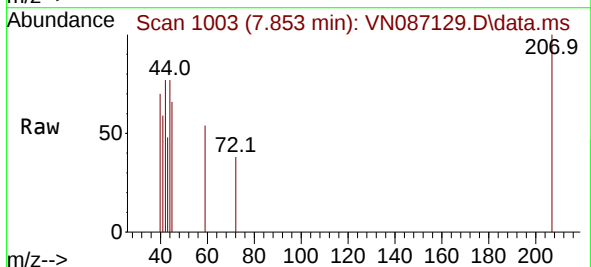
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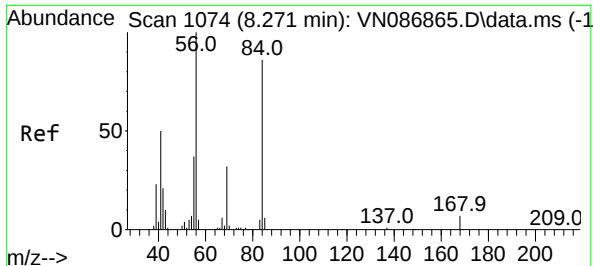
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Ion Ratio Lower Upper
43 100
72 27.9 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.313 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 42 Resp: 625
Ion Ratio Lower Upper
42 100
72 19.0 37.8 56.6#
71 10.9 35.6 53.4#

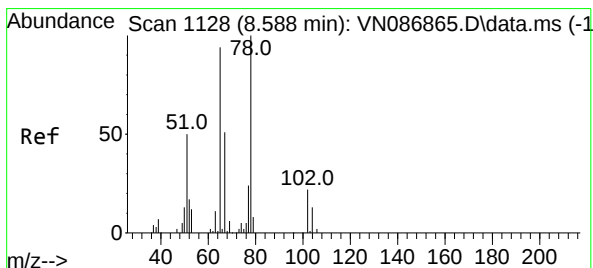
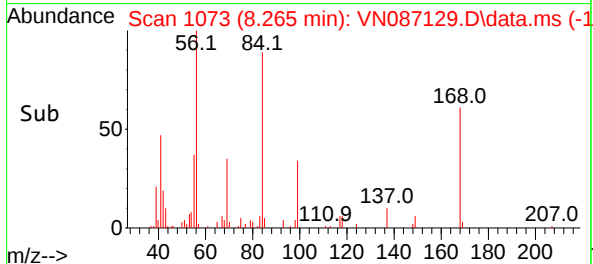
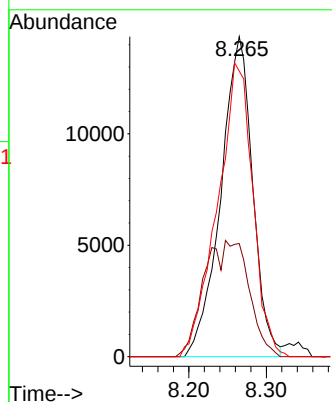
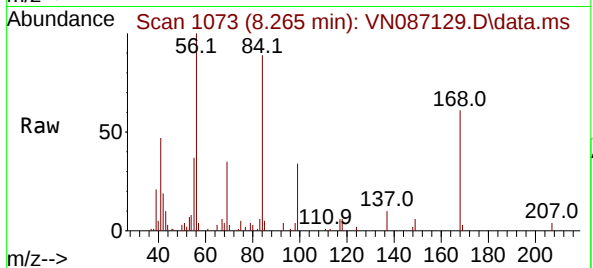




#31
Cyclohexane
Concen: 7.132 ug/l
RT: 8.265 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

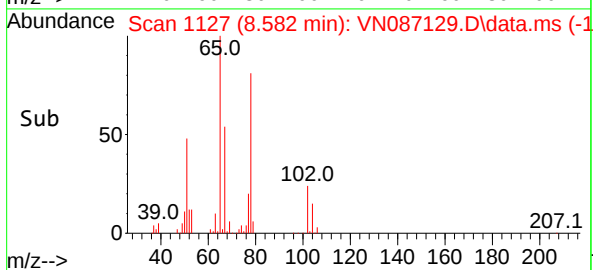
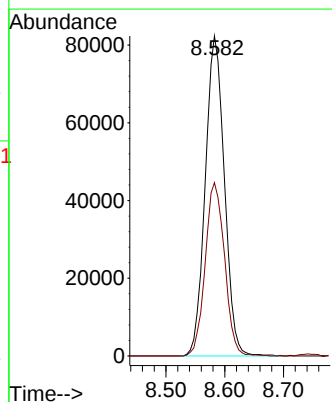
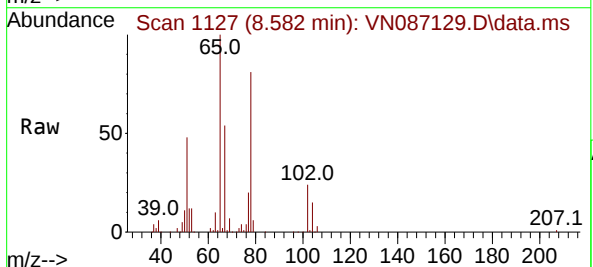
Instrument :
MSVOA_N
ClientSampleId :
3321

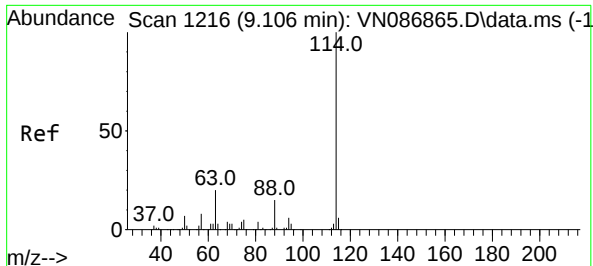
Tgt Ion: 56 Resp: 41103
Ion Ratio Lower Upper
56 100
69 35.4 25.4 38.0
84 89.2 68.8 103.2



#33
1,2-Dichloroethane-d4
Concen: 52.562 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 65 Resp: 186769
Ion Ratio Lower Upper
65 100
67 54.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

3321

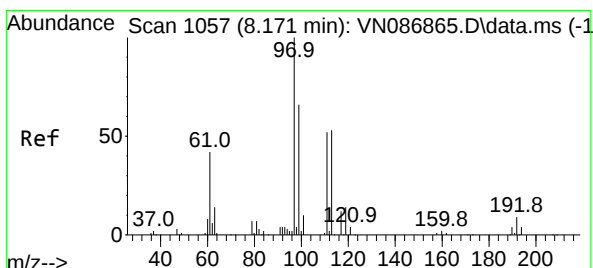
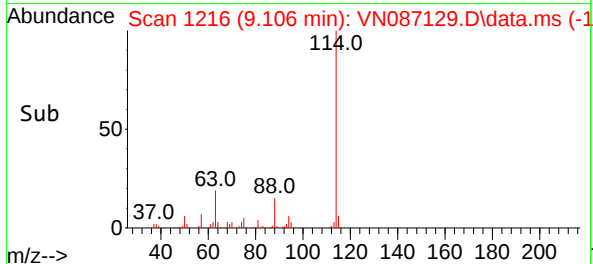
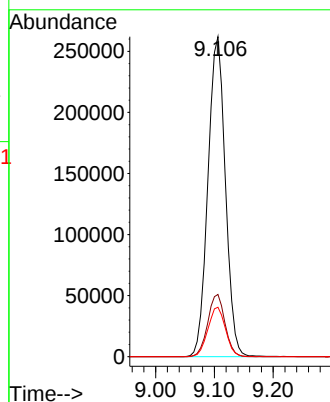
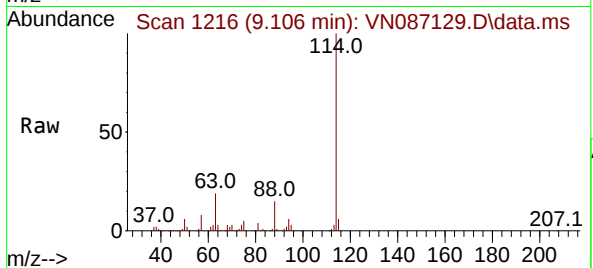
Tgt Ion:114 Resp: 539692

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.847 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

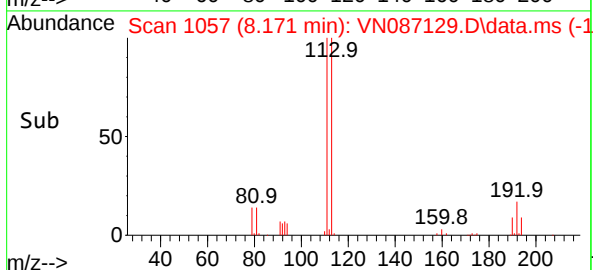
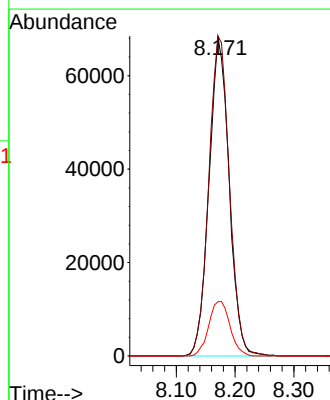
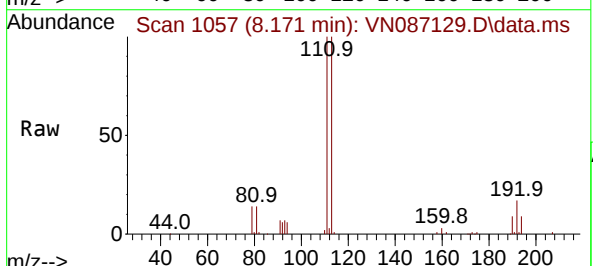
Tgt Ion:113 Resp: 162627

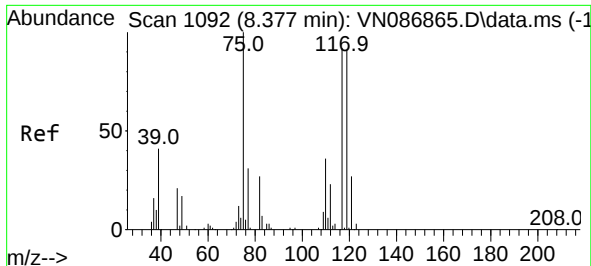
Ion Ratio Lower Upper

113 100

111 102.7 84.2 126.2

192 18.1 14.2 21.4

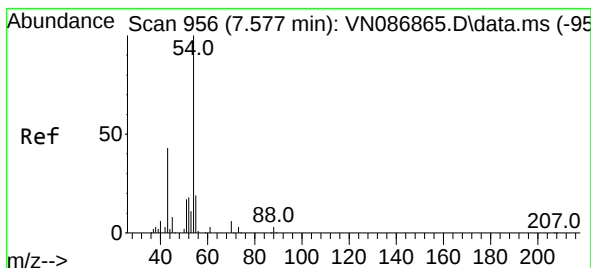
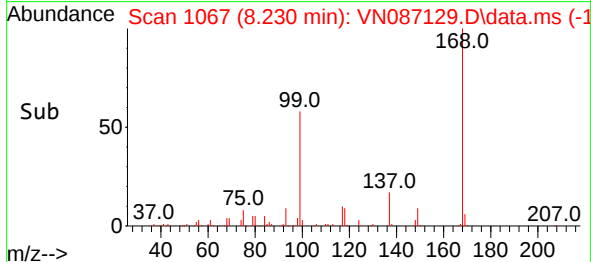
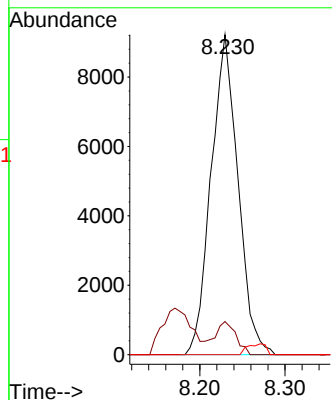
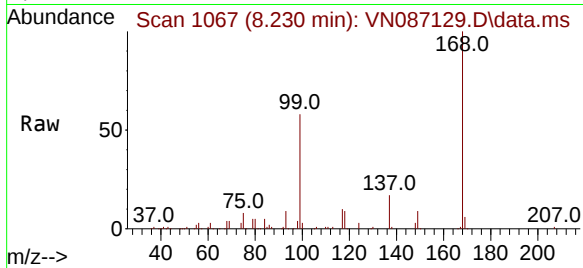




#36
1,1-Dichloropropene
Concen: 4.240 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

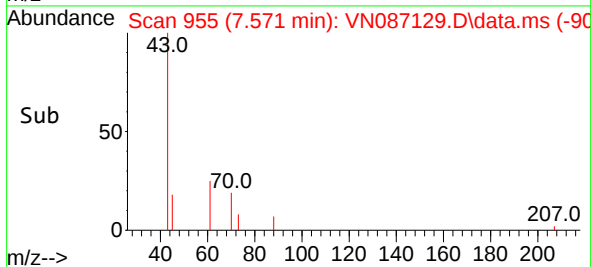
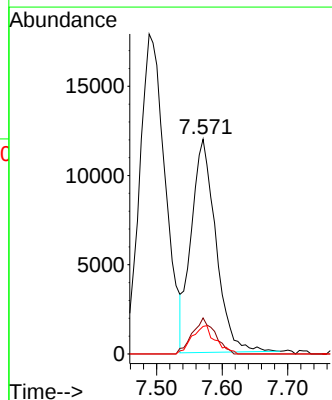
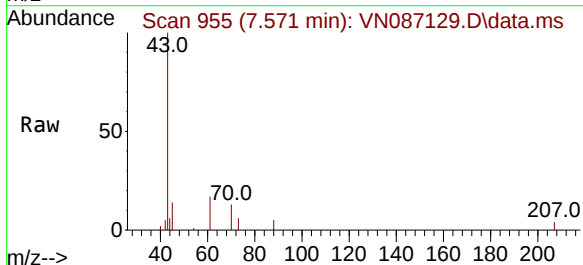
Instrument :
MSVOA_N
ClientSampleId :
3321

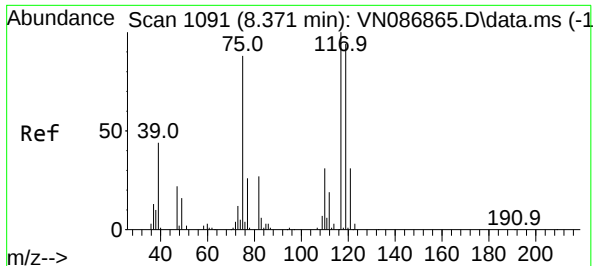
Tgt Ion: 75 Resp: 20207
Ion Ratio Lower Upper
75 100
110 8.1 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 5.147 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 43 Resp: 31227
Ion Ratio Lower Upper
43 100
61 15.5 12.1 18.1
70 12.5 9.8 14.6

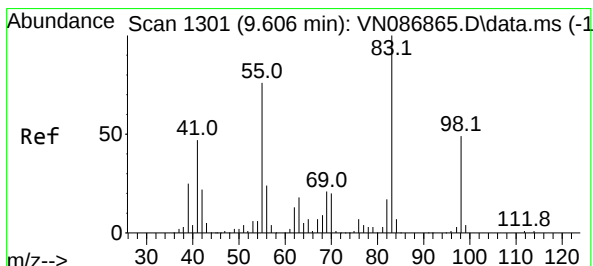
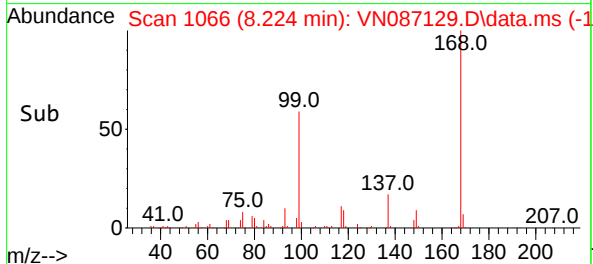
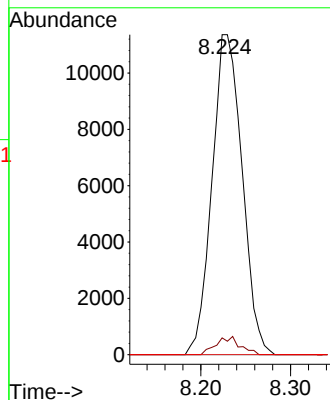
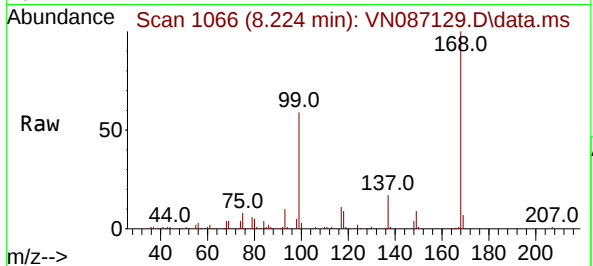




#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

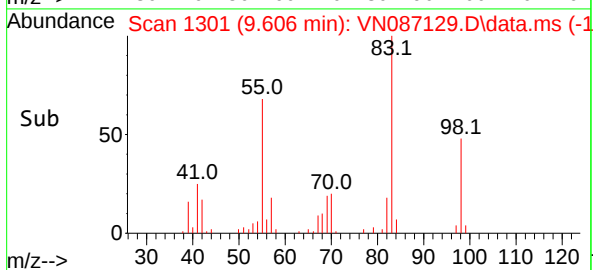
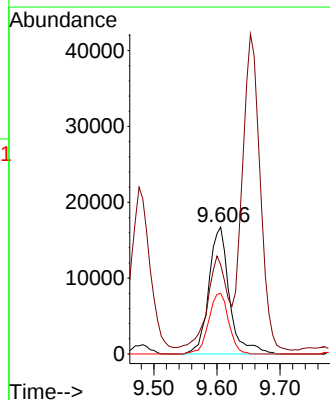
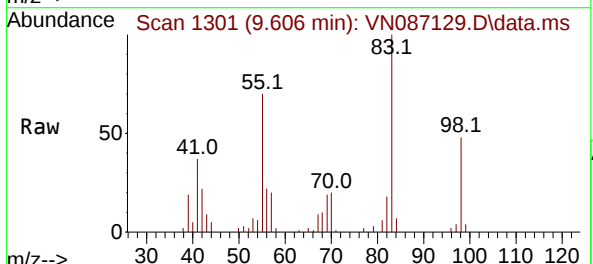
Instrument :
MSVOA_N
ClientSampleId :
3321

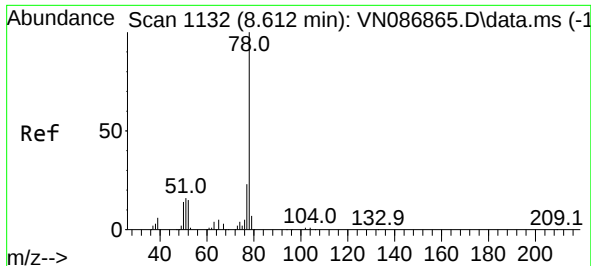
Tgt Ion:117 Resp: 26450
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.6#
121 0.0 24.9 37.3#



#39
Methylcyclohexane
Concen: 5.792 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 83 Resp: 37821
Ion Ratio Lower Upper
83 100
55 65.3 61.0 91.6
98 47.8 38.9 58.3

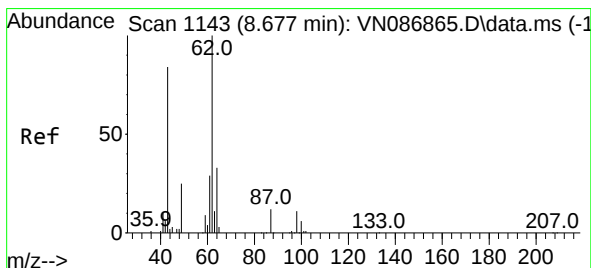
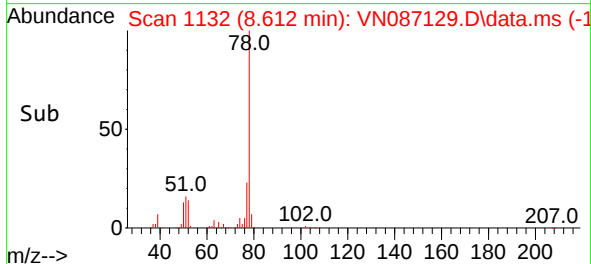
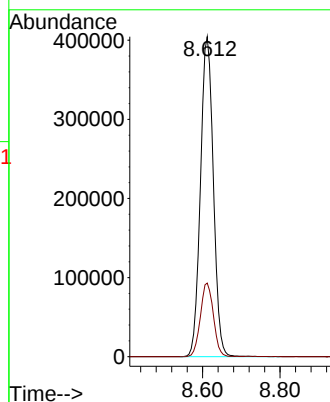
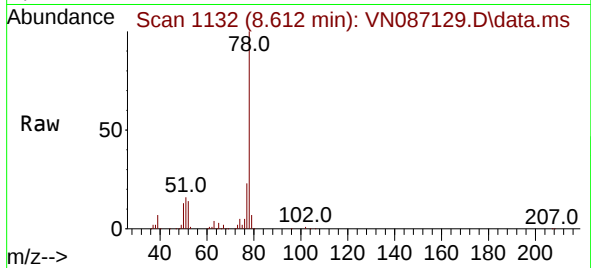




#40
Benzene
Concen: 59.836 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

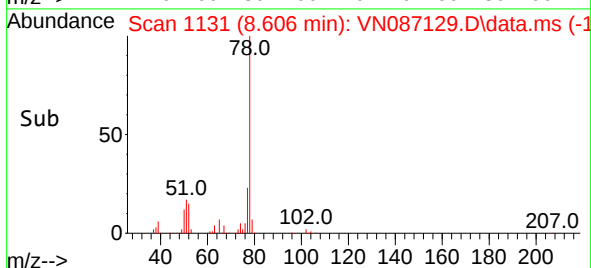
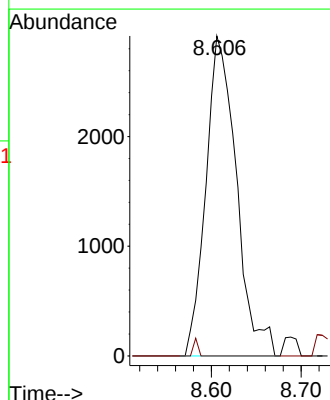
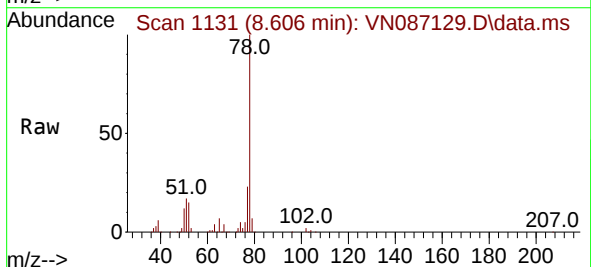
Instrument :
MSVOA_N
ClientSampleId :
3321

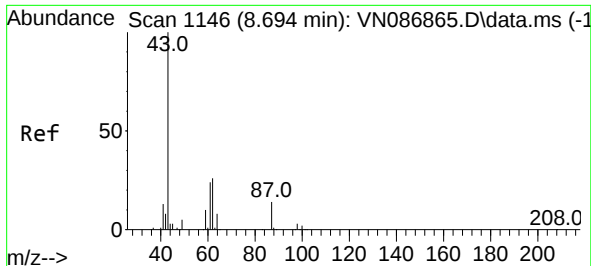
Tgt Ion: 78 Resp: 932515
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1



#42
1,2-Dichloroethane
Concen: 1.457 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.071 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 62 Resp: 6889
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.2

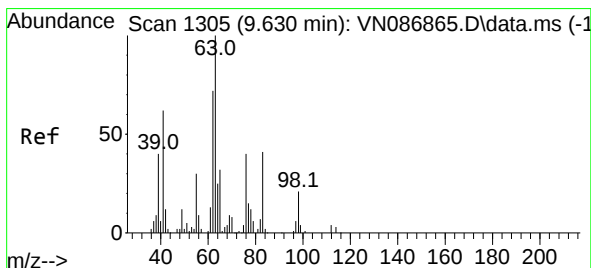
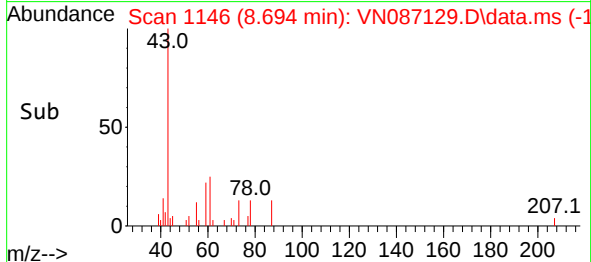
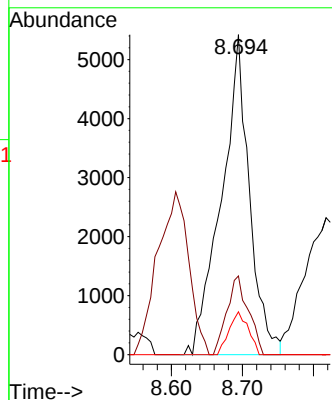
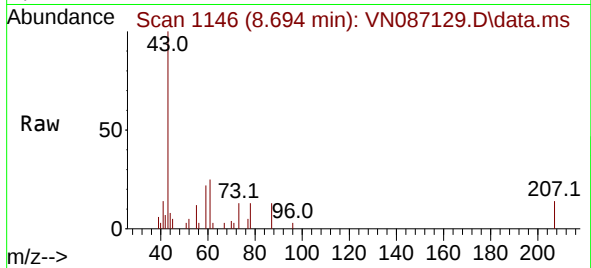




#43
Isopropyl Acetate
Concen: 1.522 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

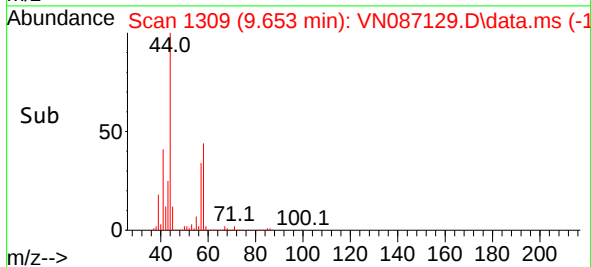
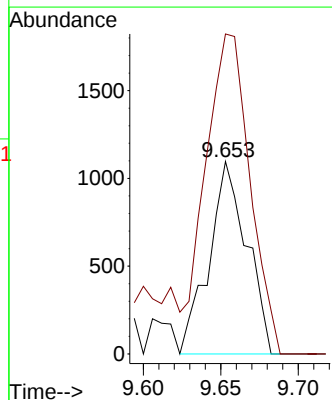
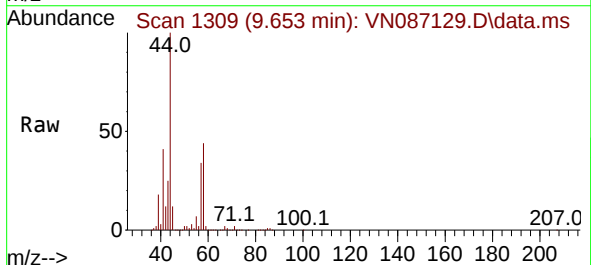
Instrument :
MSVOA_N
ClientSampleId :
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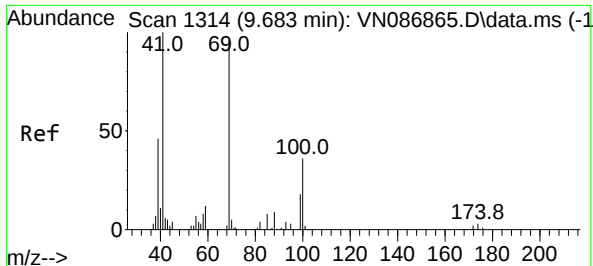
Tgt Ion: 43 Resp: 14820
Ion Ratio Lower Upper
43 100
61 18.8 22.1 33.1#
87 9.2 11.8 17.6#



#45
1,2-Dichloropropane
Concen: 0.491 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. 0.023 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 63 Resp: 1861
Ion Ratio Lower Upper
63 100
65 166.3 25.5 38.3#

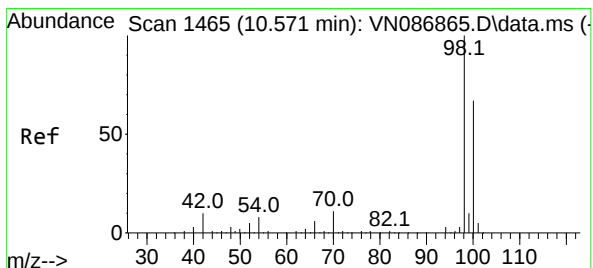
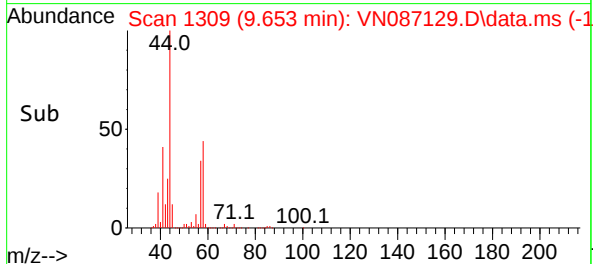
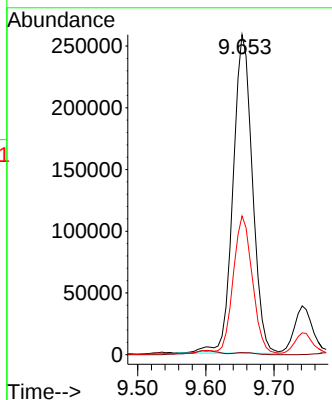
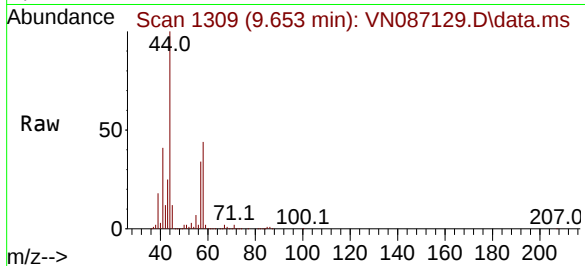




#48
Methyl methacrylate
Concen: 113.930 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

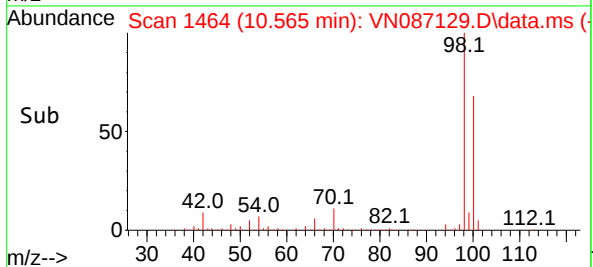
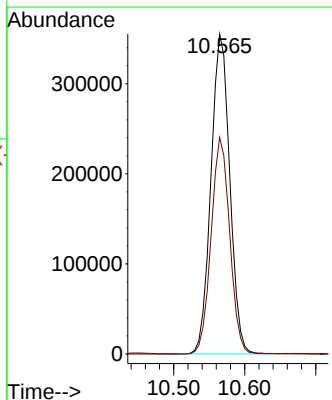
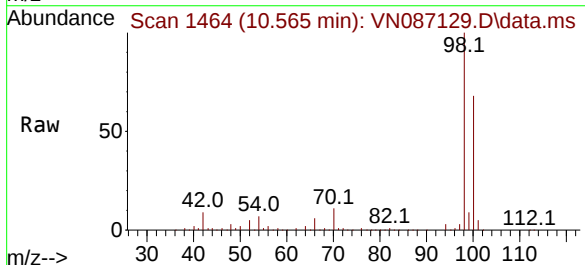
Instrument :
MSVOA_N
ClientSampleId :
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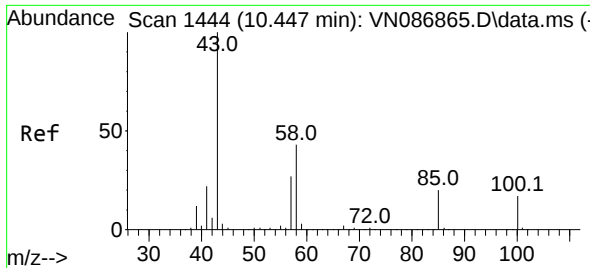
Tgt Ion: 41 Resp: 510615
Ion Ratio Lower Upper
41 100
69 0.7 74.6 112.0#
39 42.8 40.2 60.4



#50
Toluene-d8
Concen: 51.546 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 98 Resp: 652648
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0

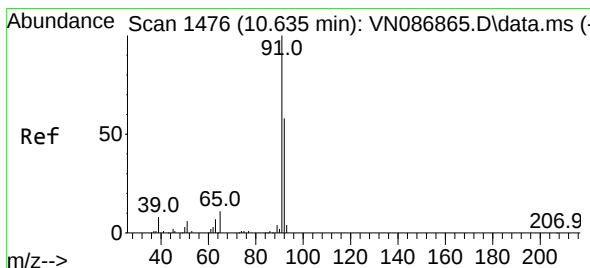
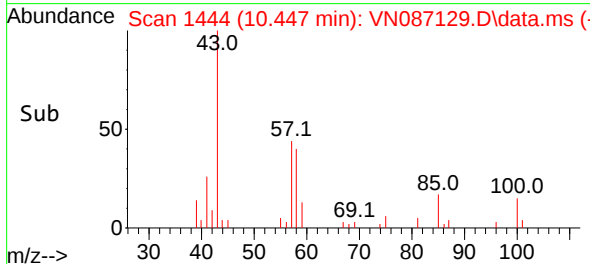
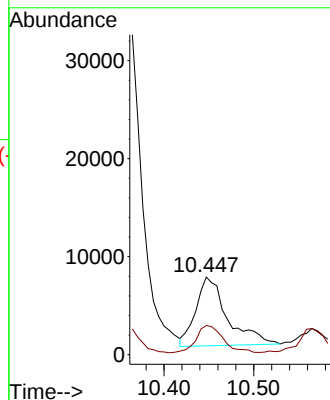
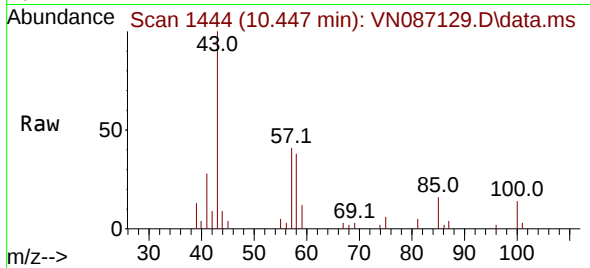




#51
4-Methyl-2-Pentanone
Concen: 2.923 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

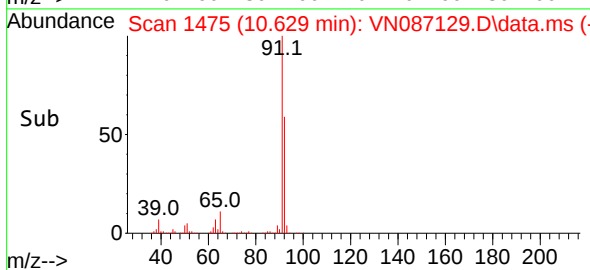
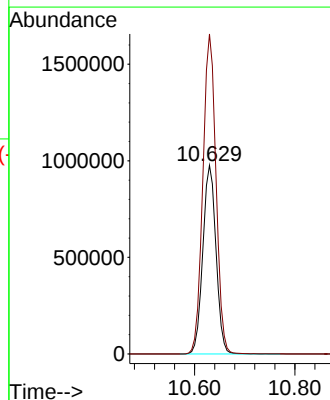
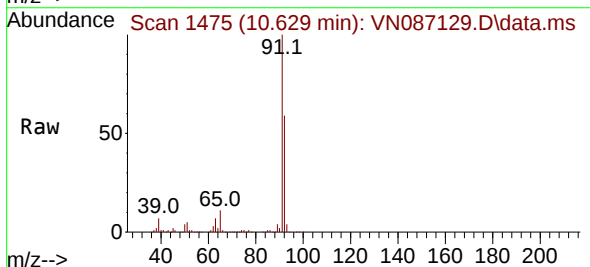
Instrument :
MSVOA_N
ClientSampleId :
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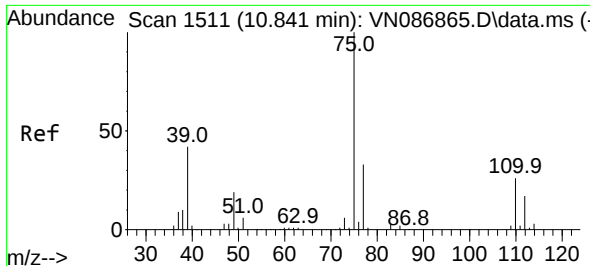
Tgt Ion: 43 Resp: 17135
Ion Ratio Lower Upper
43 100
58 40.8 34.2 51.4



#52
Toluene
Concen: 187.202 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 92 Resp: 1782927
Ion Ratio Lower Upper
92 100
91 169.4 136.5 204.7

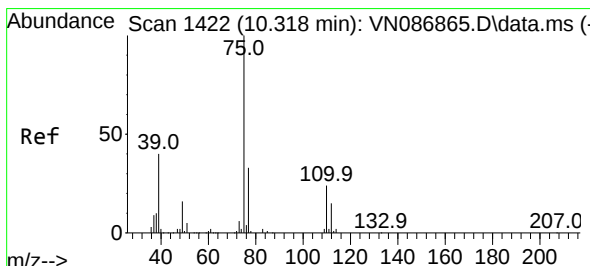
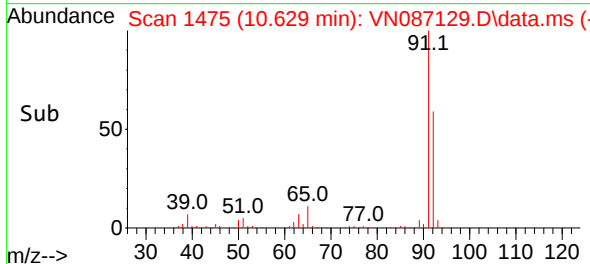
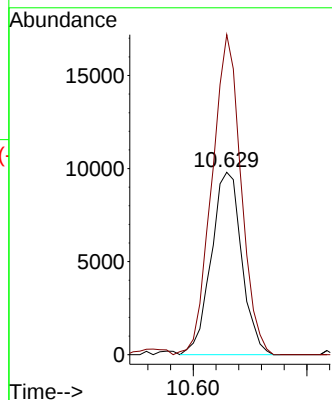
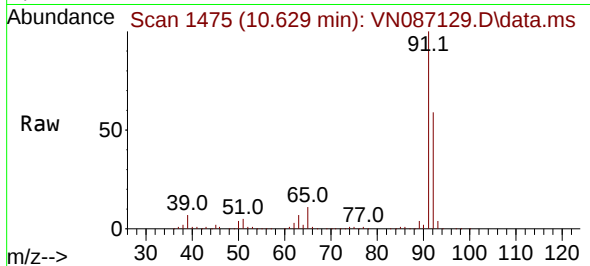




#53
 t-1,3-Dichloropropene
 Concen: 3.145 ug/l
 RT: 10.629 min Scan# 1428
 Delta R.T. -0.212 min
 Lab File: VN087129.D
 Acq: 20 Jun 2025 11:42

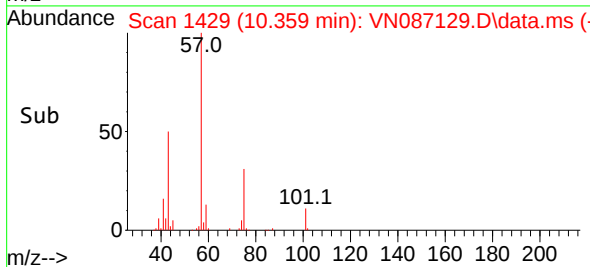
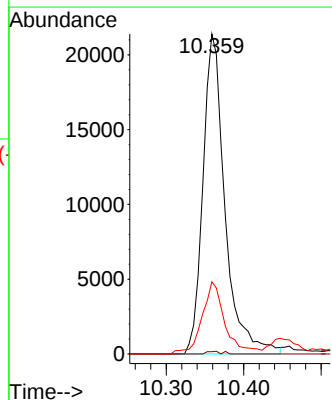
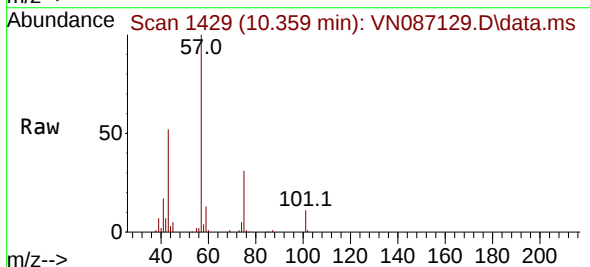
Instrument :
 MSVOA_N
 ClientSampleId :
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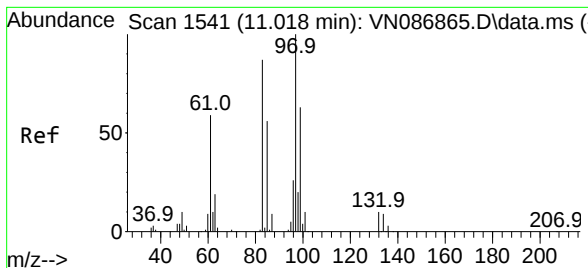
Tgt Ion: 75 Resp: 18224
 Ion Ratio Lower Upper
 75 100
 77 175.4 26.4 39.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.816 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN087129.D
 Acq: 20 Jun 2025 11:42

Tgt Ion: 75 Resp: 42257
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.2 39.4#
 39 21.5 32.3 48.5#

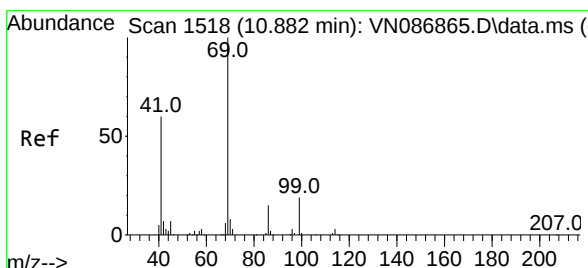
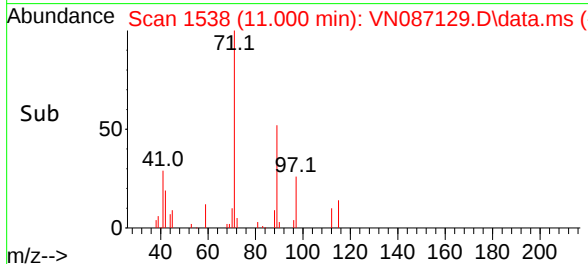
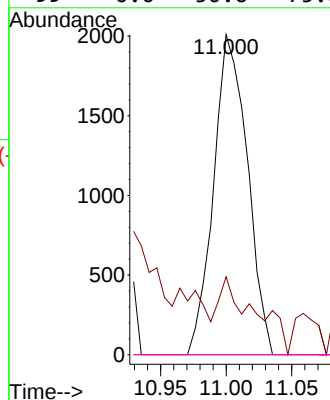
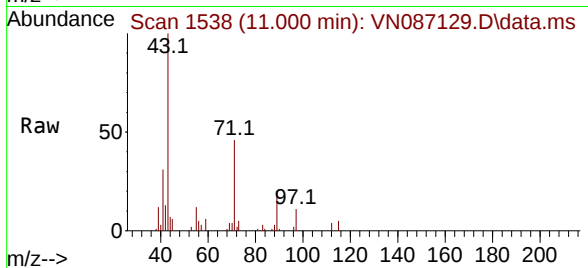




#55
1,1,2-Trichloroethane
Concen: 0.982 ug/l
RT: 11.000 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

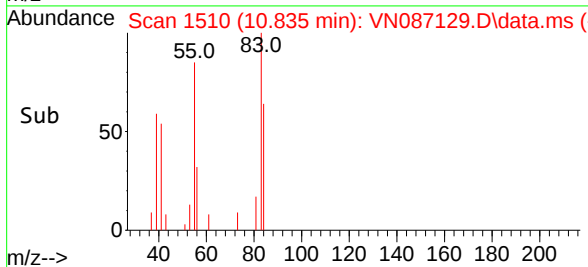
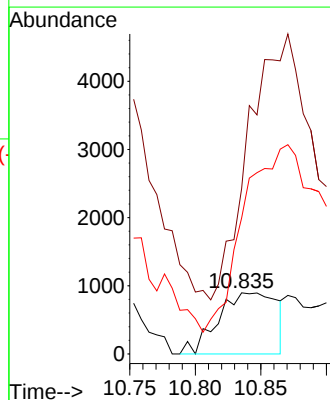
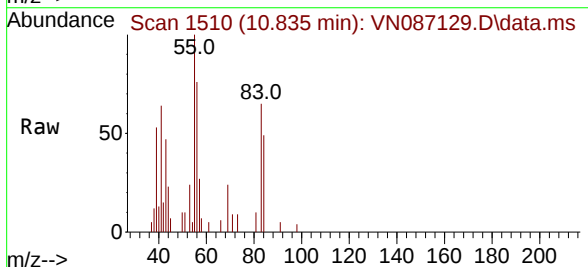
Instrument :
MSVOA_N
ClientSampleId :
3321

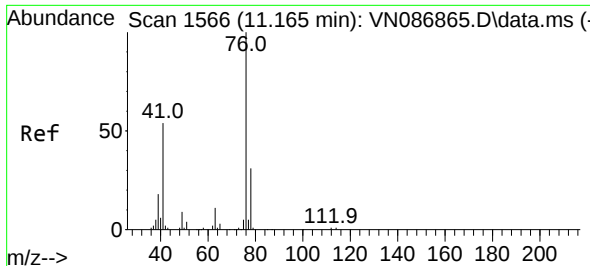
Tgt Ion:	97	Resp:	3598
Ion	Ratio	Lower	Upper
97	100		
83	12.9	69.7	104.5#
85	0.0	45.1	67.7#
99	0.0	50.6	75.8#



#56
Ethyl methacrylate
Concen: 0.481 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.047 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion:	69	Resp:	2805
Ion	Ratio	Lower	Upper
69	100		
41	0.0	47.2	70.8#
39	0.0	23.0	34.6#





#57

1,3-Dichloropropane

Concen: 0.416 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

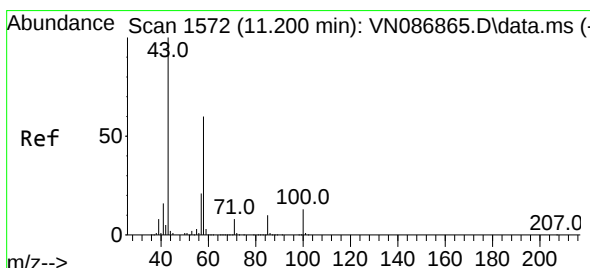
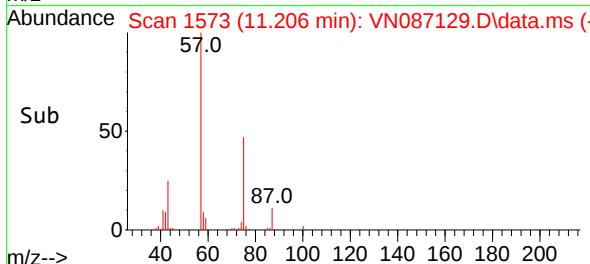
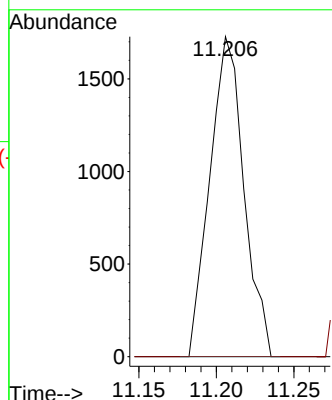
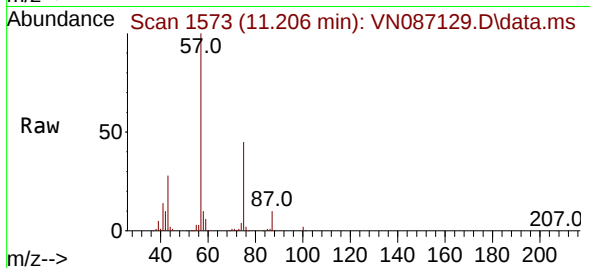
3321

Tgt Ion: 76 Resp: 2642

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#59

2-Hexanone

Concen: 916.406 ug/l

RT: 11.300 min Scan# 1589

Delta R.T. 0.100 min

Lab File: VN087129.D

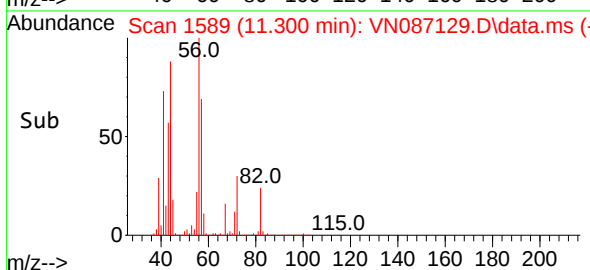
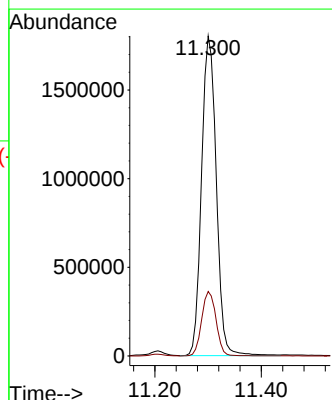
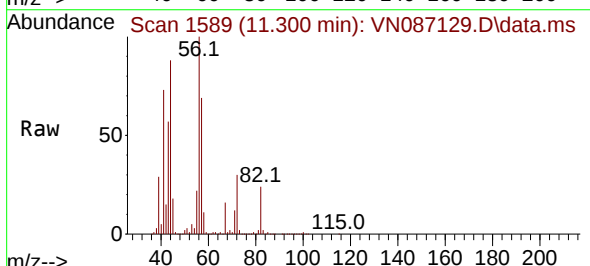
Acq: 20 Jun 2025 11:42

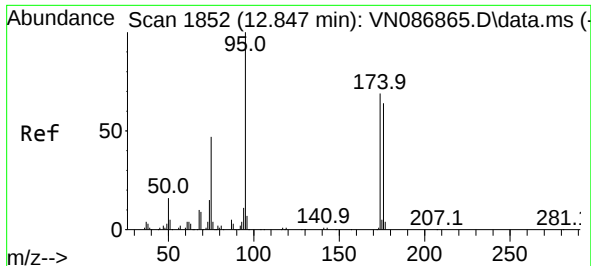
Tgt Ion: 43 Resp: 3460296

Ion Ratio Lower Upper

43 100

58 19.6 30.4 91.3#

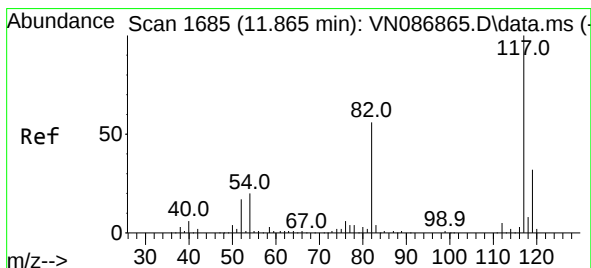
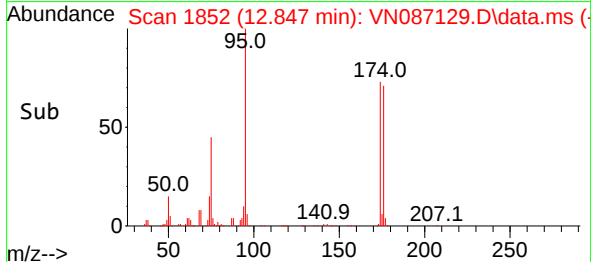
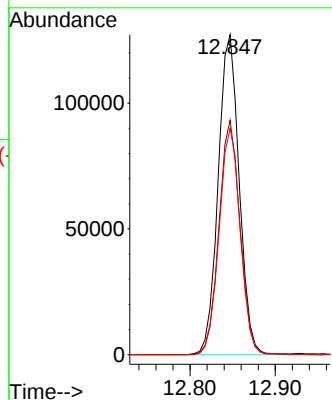
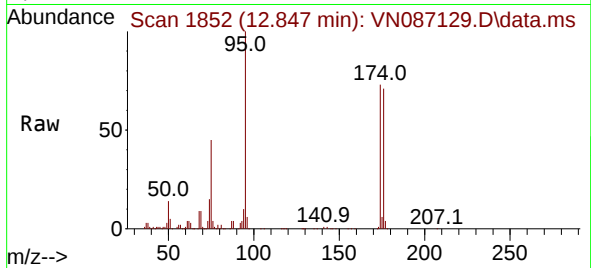




#62
4-Bromofluorobenzene
Concen: 46.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

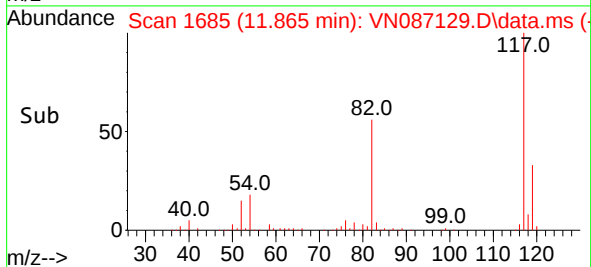
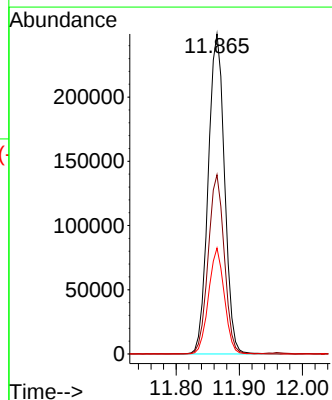
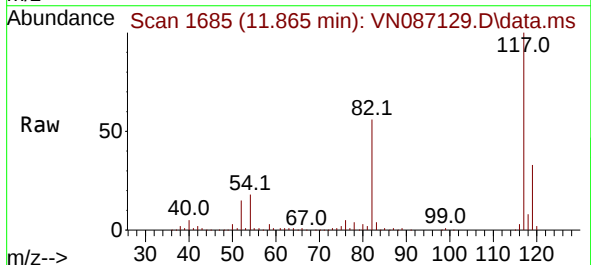
Instrument :
MSVOA_N
ClientSampleId :
3321

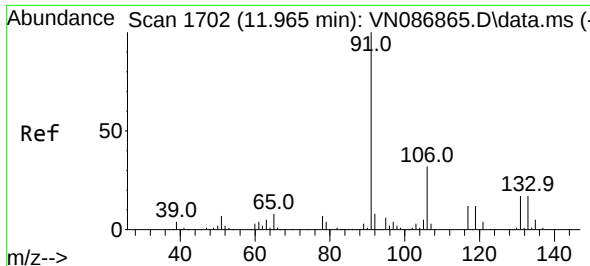
Tgt Ion: 95 Resp: 217510
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.8
176 71.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 117 Resp: 447089
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 33.1 25.5 38.3

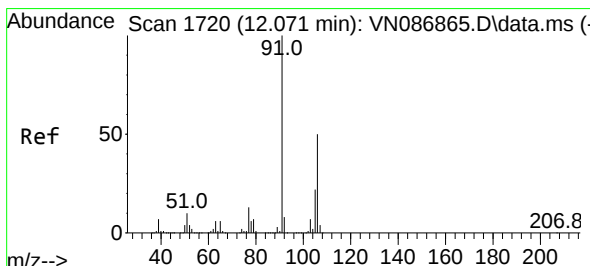
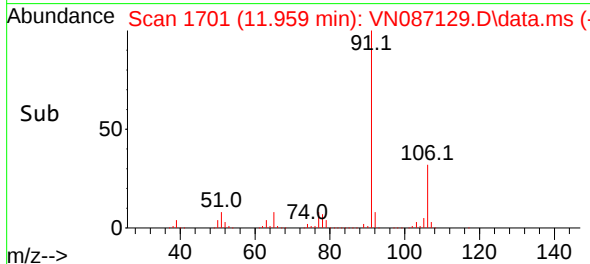
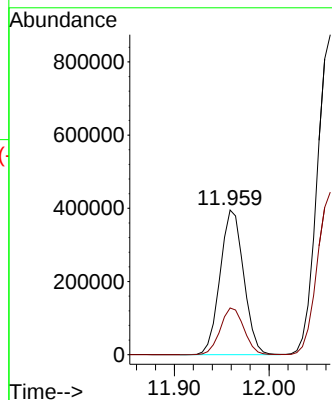
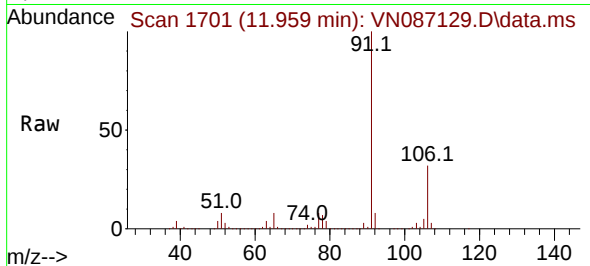




#67
Ethyl Benzene
Concen: 40.353 ug/l
RT: 11.959 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

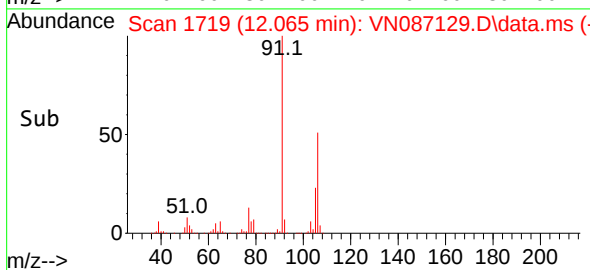
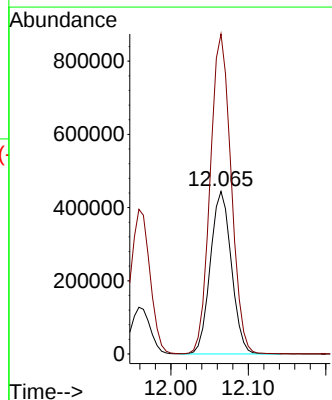
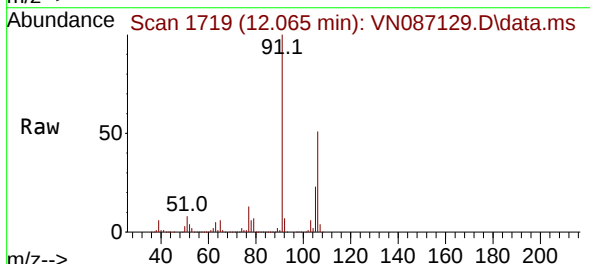
Instrument :
MSVOA_N
ClientSampleId :
3321

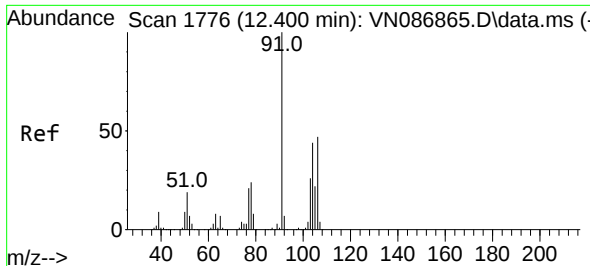
Tgt Ion: 91 Resp: 685386
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2



#68
m/p-Xylenes
Concen: 128.482 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion:106 Resp: 835365
Ion Ratio Lower Upper
106 100
91 196.2 159.4 239.0

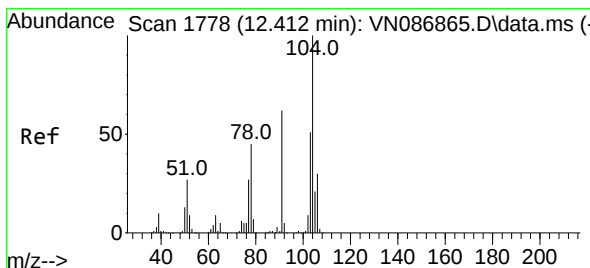
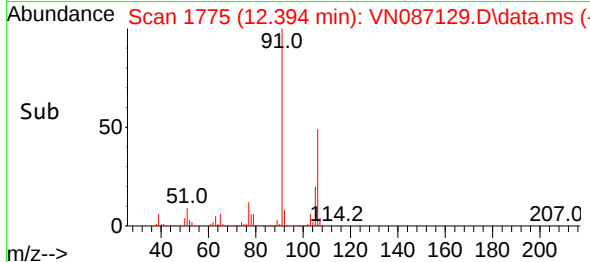
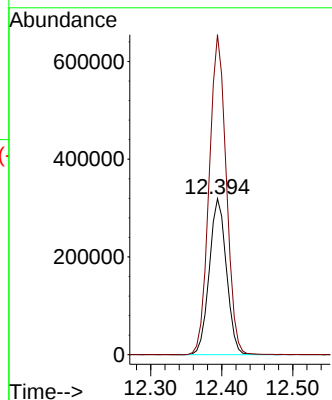
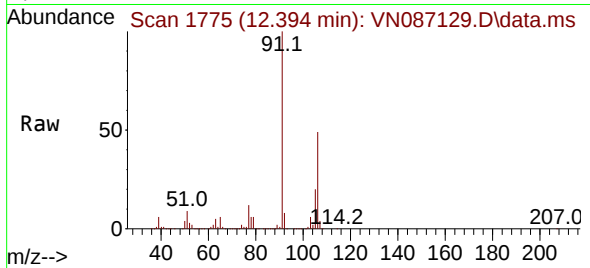




#69
o-Xylene
Concen: 85.790 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

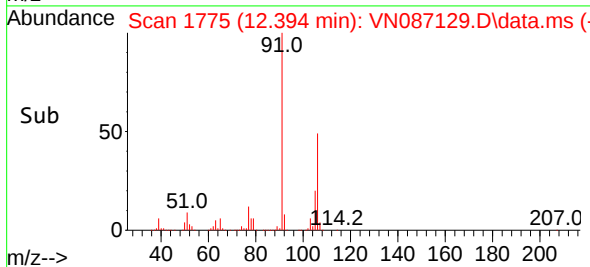
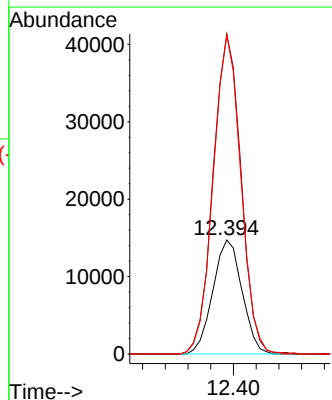
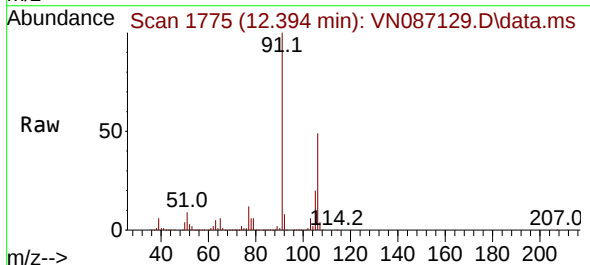
Instrument :
MSVOA_N
ClientSampleId :
3321

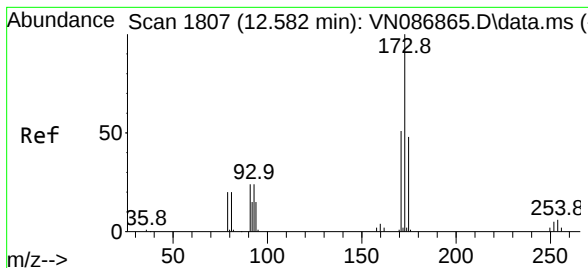
Tgt Ion:106 Resp: 534218
Ion Ratio Lower Upper
106 100
91 205.3 106.1 318.1



#70
Styrene
Concen: 2.462 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.018 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion:104 Resp: 26236
Ion Ratio Lower Upper
104 100
78 268.7 38.5 57.7#
103 265.4 43.1 64.7#





#71

Bromoform

Concen: 0.495 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

3321

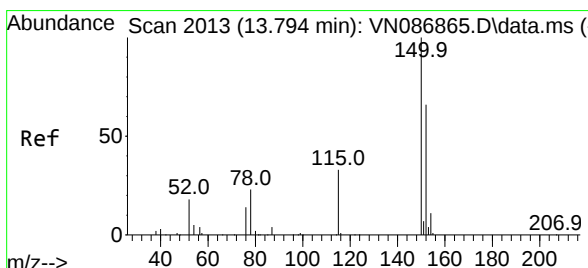
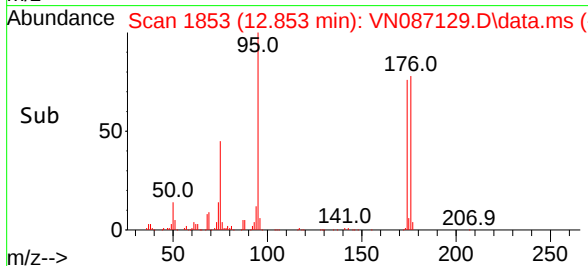
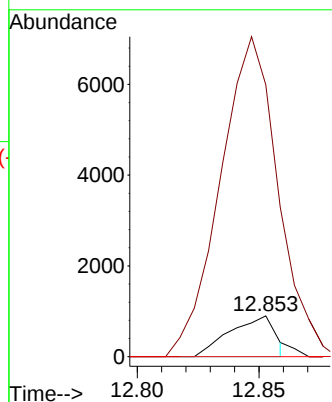
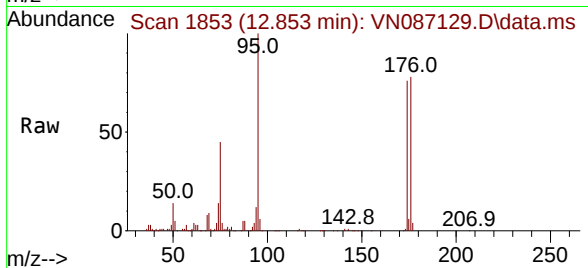
Tgt Ion:173 Resp: 1163

Ion Ratio Lower Upper

173 100

175 924.8 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

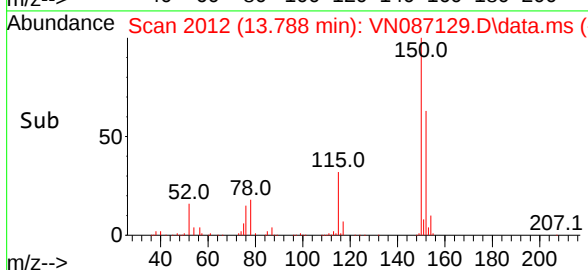
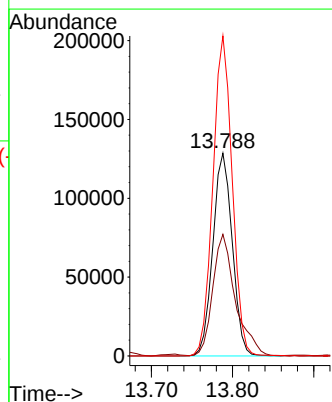
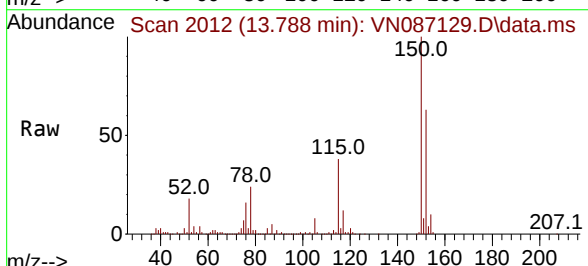
Tgt Ion:152 Resp: 213690

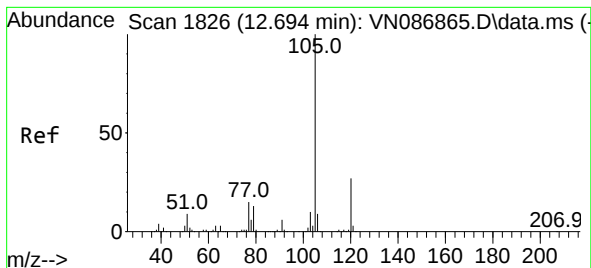
Ion Ratio Lower Upper

152 100

115 69.5 30.1 90.5

150 156.7 0.0 345.0





#73

Isopropylbenzene

Concen: 6.020 ug/l

RT: 12.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

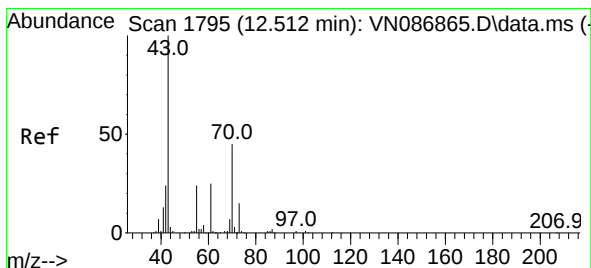
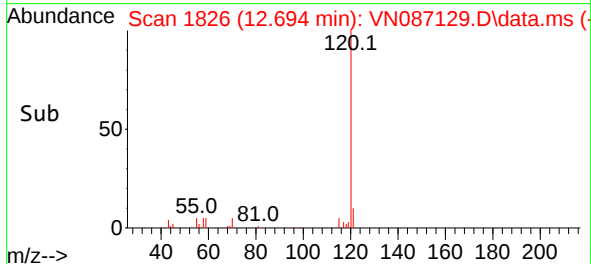
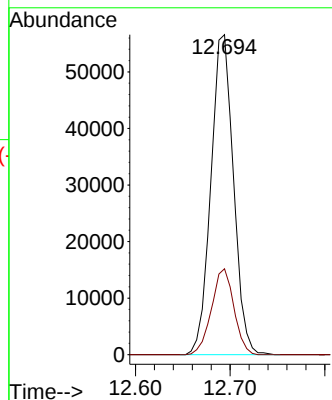
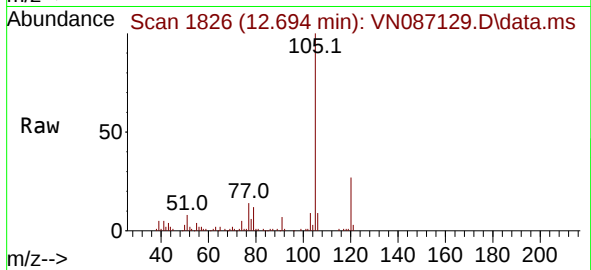
3321

Tgt Ion:105 Resp: 93716

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 0.743 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.030 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Tgt Ion: 43 Resp: 4043

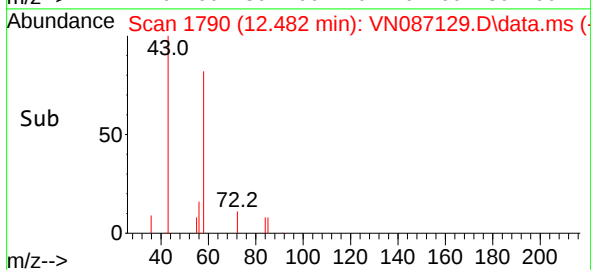
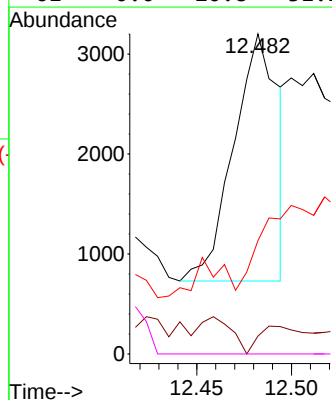
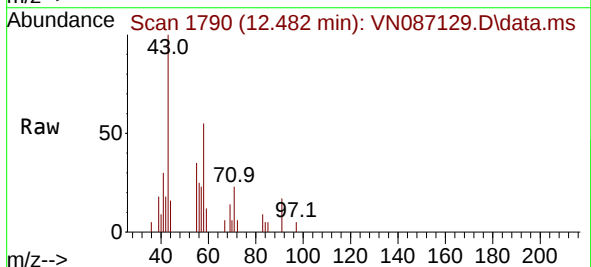
Ion Ratio Lower Upper

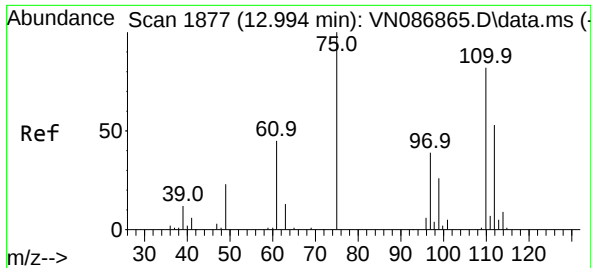
43 100

70 0.0 37.6 56.4#

55 0.0 19.0 28.6#

61 0.0 20.8 31.2#

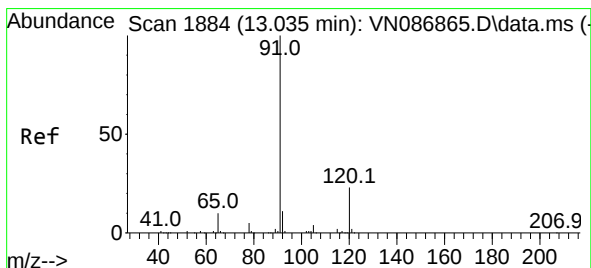
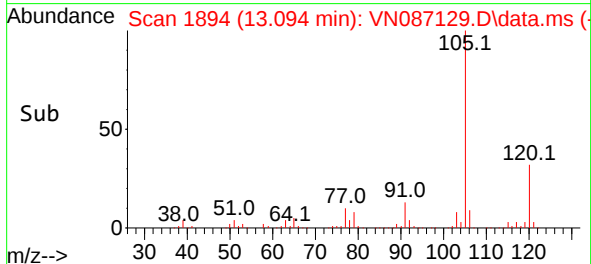
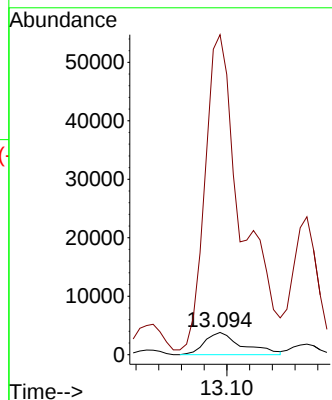
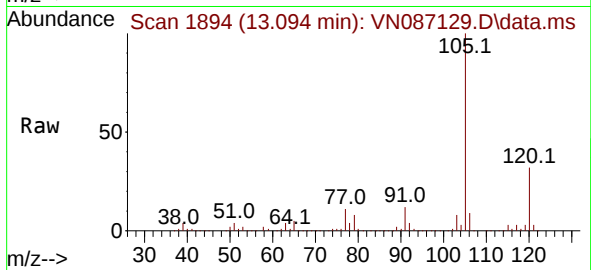




#76
1,2,3-Trichloropropane
Concen: 1.717 ug/l
RT: 13.094 min Scan# 1883
Delta R.T. 0.100 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

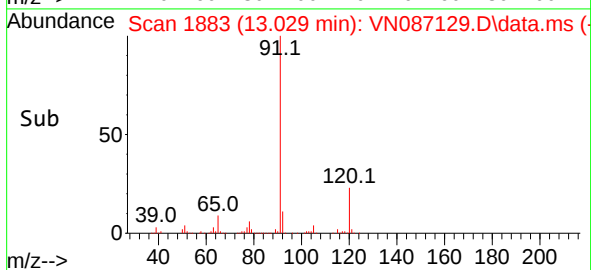
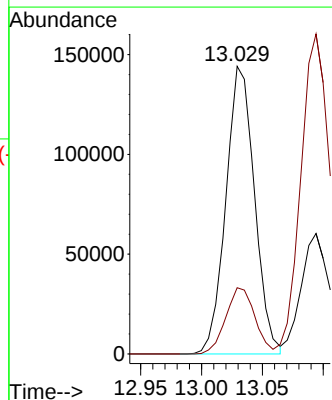
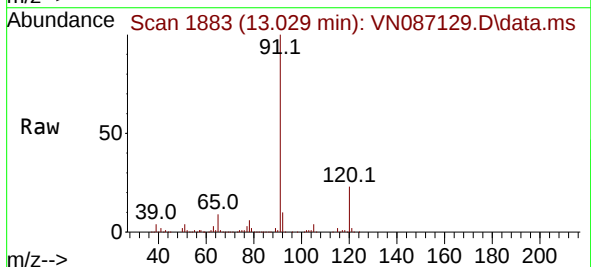
Instrument :
MSVOA_N
ClientSampleId :
3321

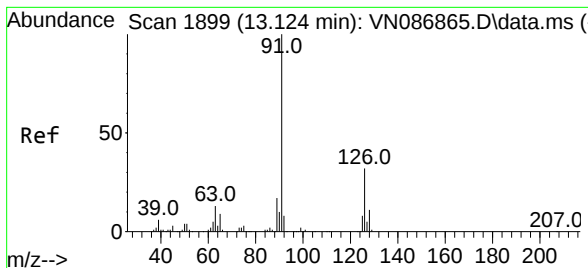
Tgt Ion: 75 Resp: 8723
Ion Ratio Lower Upper
75 100
77 1431.4 79.3 237.9#



#78
n-propylbenzene
Concen: 12.492 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 91 Resp: 236328
Ion Ratio Lower Upper
91 100
120 23.4 11.4 34.2





#79

2-Chlorotoluene

Concen: 11.265 ug/l

RT: 13.094 min Scan# 11

Delta R.T. -0.030 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

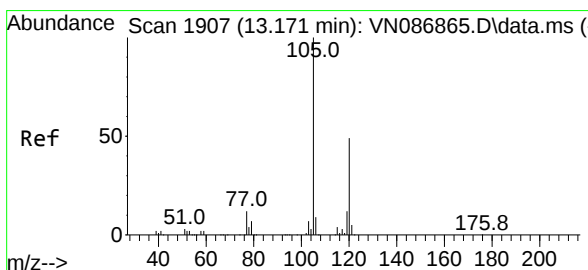
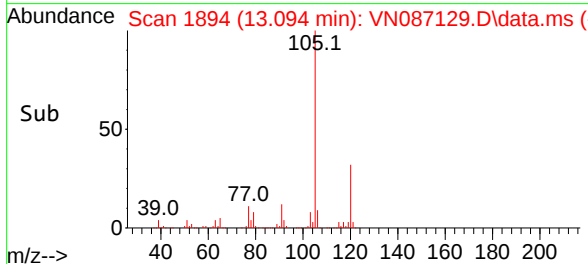
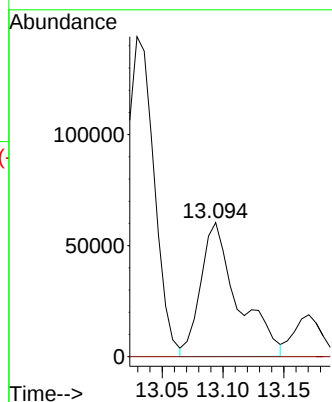
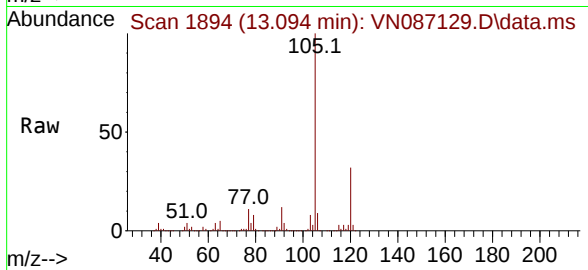
3321

Tgt Ion: 91 Resp: 127811

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.5#



#80

1,3,5-Trimethylbenzene

Concen: 23.638 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN087129.D

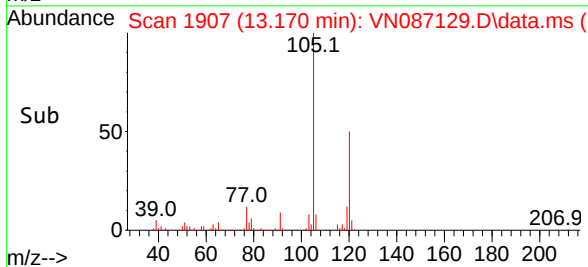
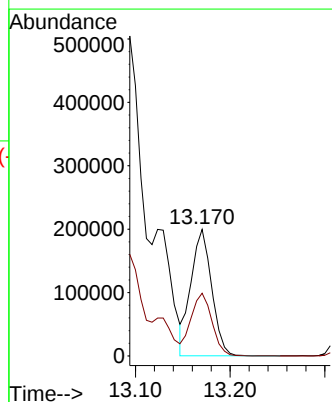
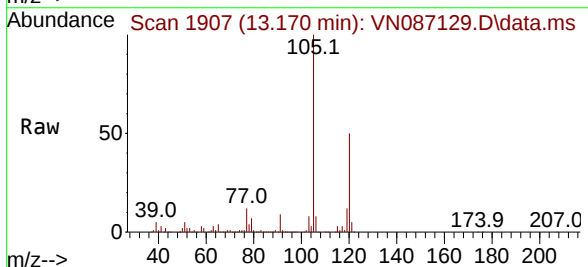
Acq: 20 Jun 2025 11:42

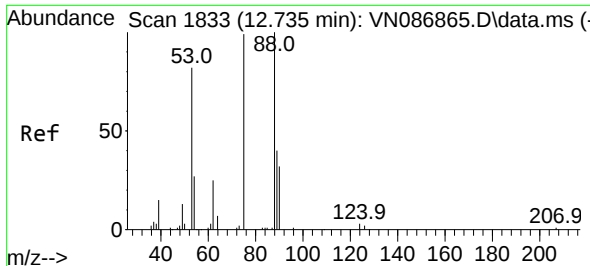
Tgt Ion:105 Resp: 303819

Ion Ratio Lower Upper

105 100

120 50.6 24.9 74.6

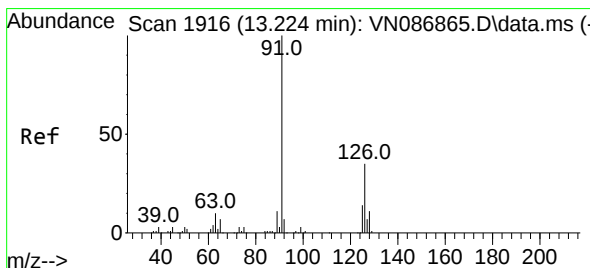
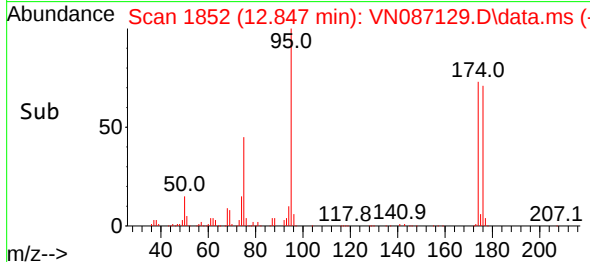
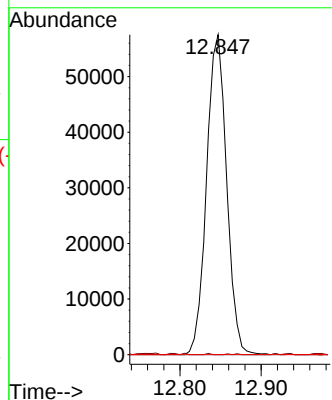
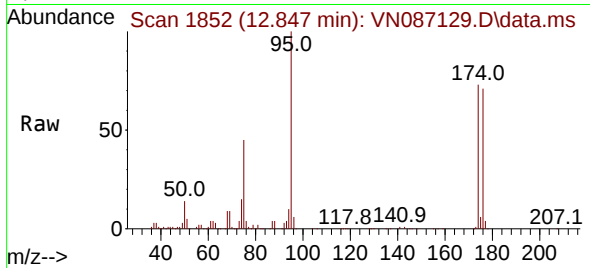




#81
trans-1,4-Dichloro-2-butene
Concen: 44.689 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

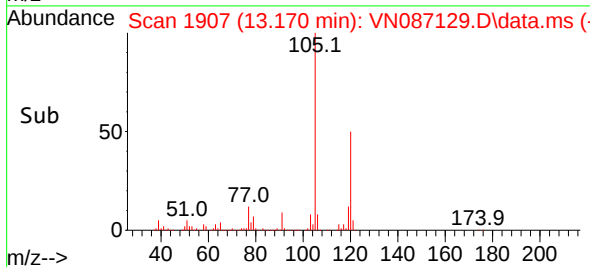
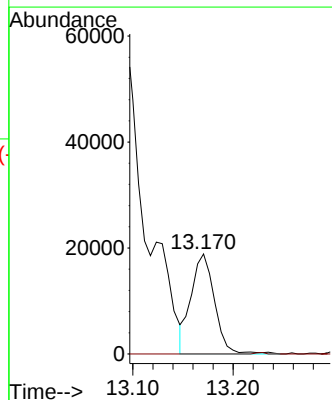
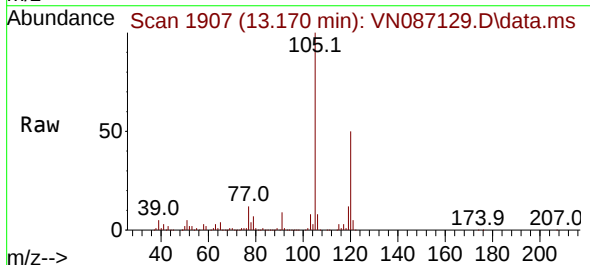
Instrument :
MSVOA_N
ClientSampleId :
3321

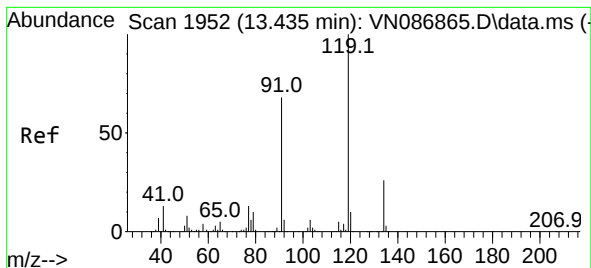
Tgt Ion: 75 Resp: 98610
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#82
4-Chlorotoluene
Concen: 2.679 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.053 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

Tgt Ion: 91 Resp: 30755
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.1#





#83

tert-Butylbenzene

Concen: 14.882 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.041 min

Lab File: VN087129.D

Acq: 20 Jun 2025 11:42

Instrument :

MSVOA_N

ClientSampleId :

3321

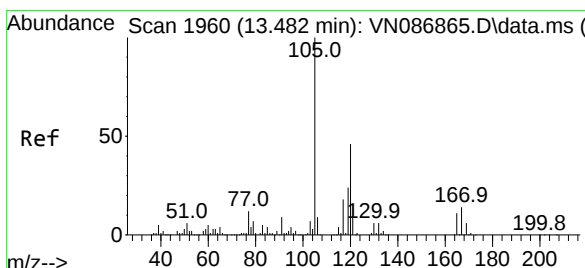
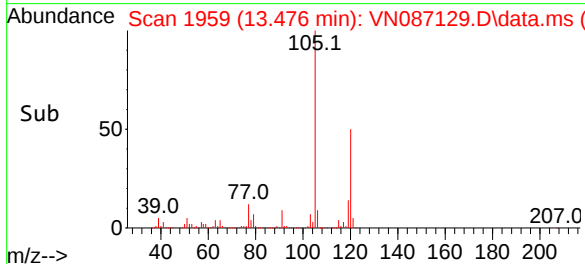
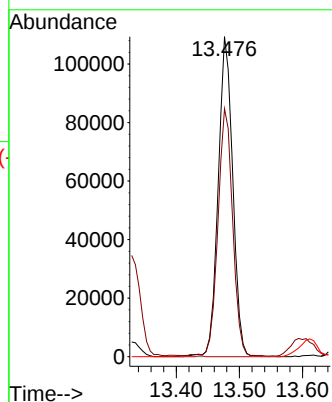
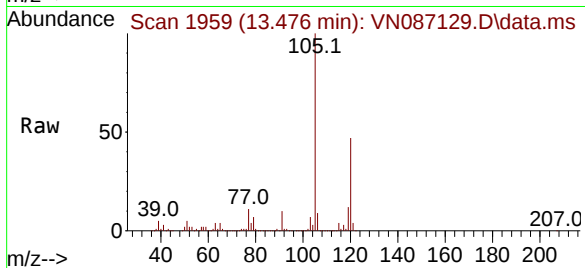
Tgt Ion:119 Resp: 175084

Ion Ratio Lower Upper

119 100

91 78.1 32.1 96.5

134 0.0 13.4 40.1#



#84

1,2,4-Trimethylbenzene

Concen: 109.884 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN087129.D

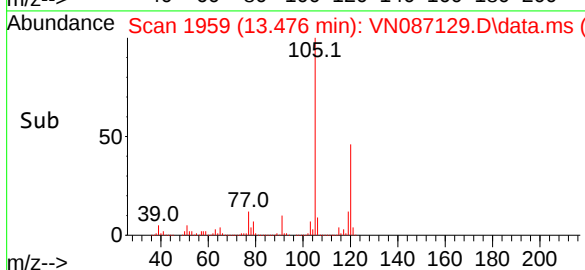
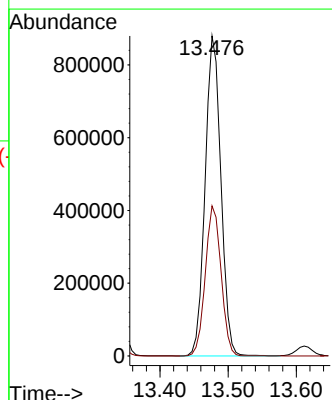
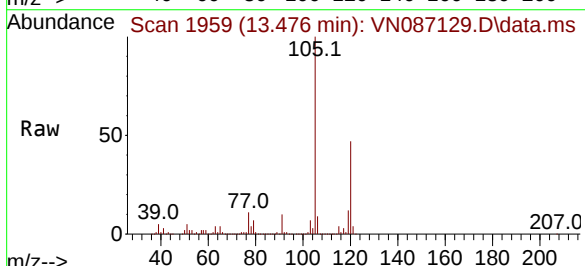
Acq: 20 Jun 2025 11:42

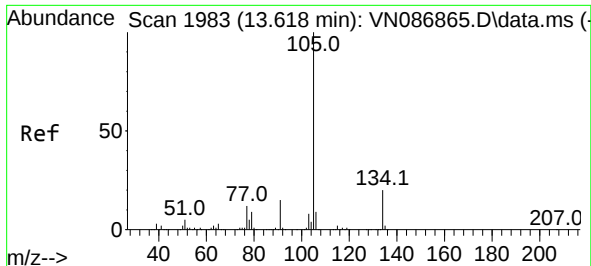
Tgt Ion:105 Resp: 1416229

Ion Ratio Lower Upper

105 100

120 47.0 23.2 69.6

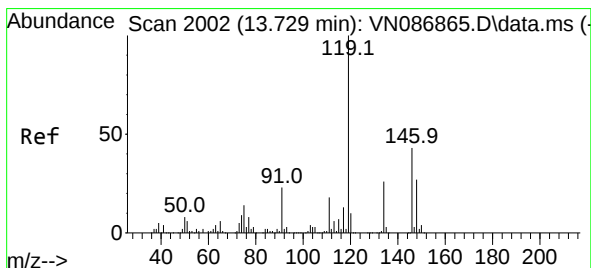
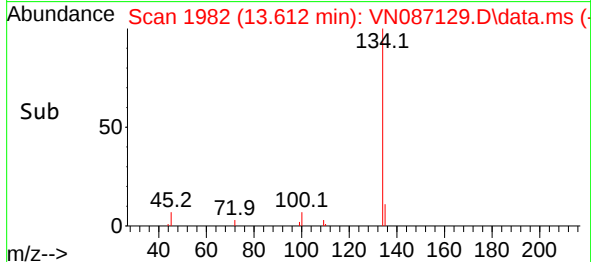
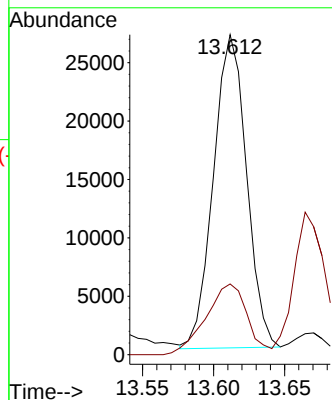
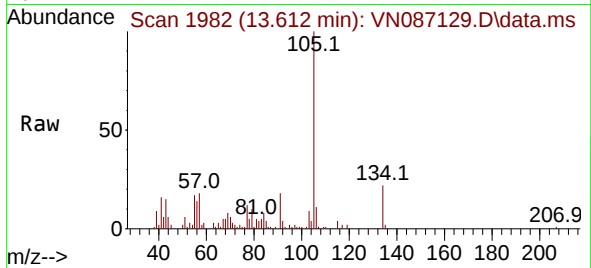




#85
 sec-Butylbenzene
 Concen: 2.544 ug/l
 RT: 13.612 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN087129.D
 Acq: 20 Jun 2025 11:42

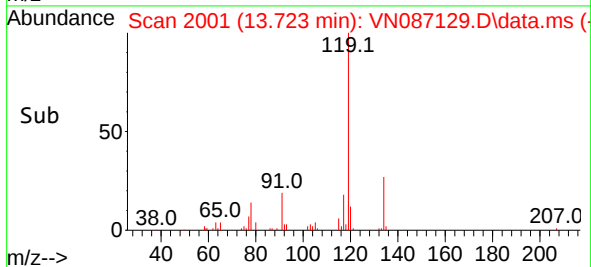
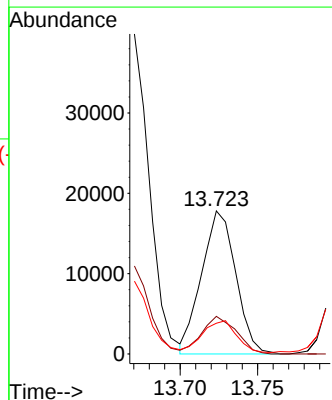
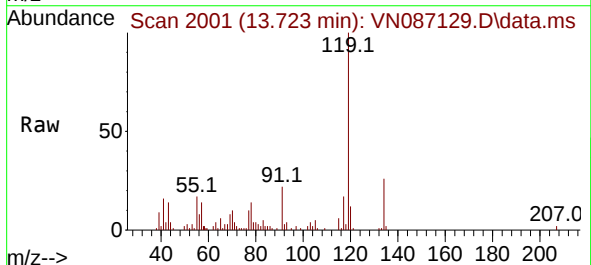
Instrument :
 MSVOA_N
 ClientSampleId :
 3321

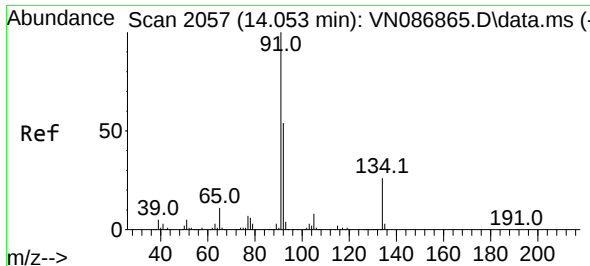
Tgt Ion:105 Resp: 43465
 Ion Ratio Lower Upper
 105 100
 134 28.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 1.935 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN087129.D
 Acq: 20 Jun 2025 11:42

Tgt Ion:119 Resp: 27322
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 21.8 11.5 34.4

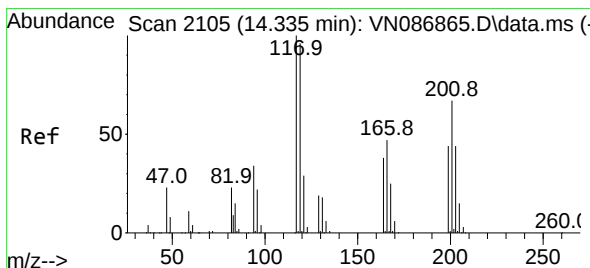
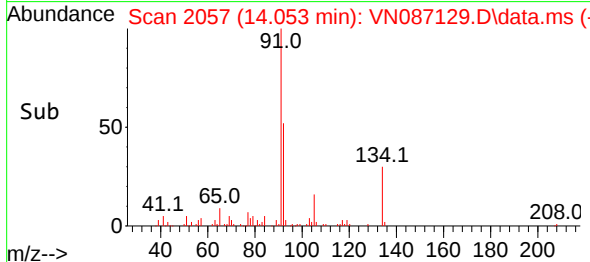
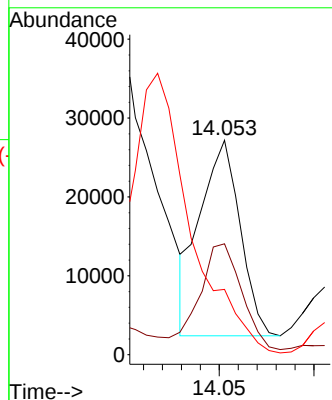
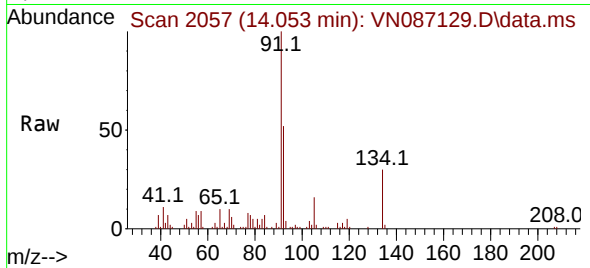




#89
n-Butylbenzene
Concen: 2.673 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

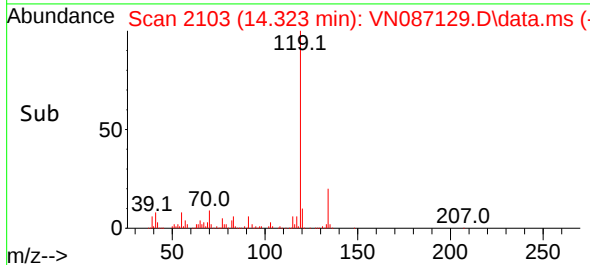
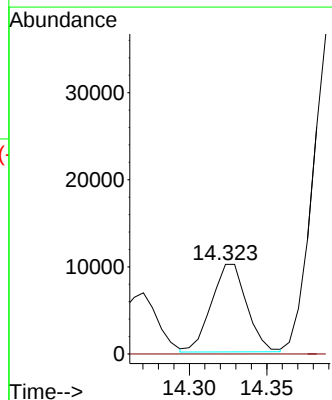
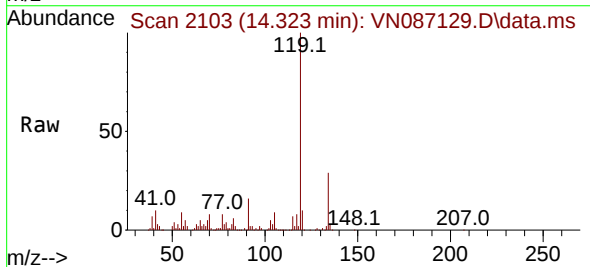
Instrument :
MSVOA_N
ClientSampleId :
3321

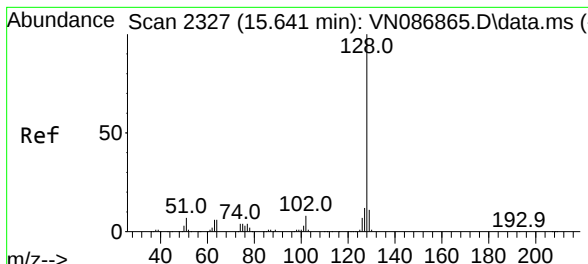
Tgt Ion: 91 Resp: 36568
Ion Ratio Lower Upper
91 100
92 57.3 27.5 82.4
134 0.0 13.0 39.0#



#90
Hexachloroethane
Concen: 6.691 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.012 min
Lab File: VN087129.D
Acq: 20 Jun 2025 11:42

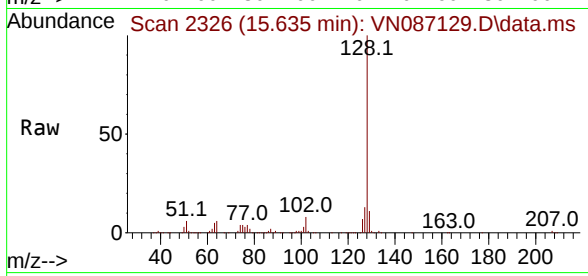
Tgt Ion: 117 Resp: 16018
Ion Ratio Lower Upper
117 100
201 0.0 33.2 99.6#





#95
 Naphthalene
 Concen: 17.600 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087129.D
 Acq: 20 Jun 2025 11:42

Instrument :
 MSVOA_N
 ClientSampleId :
 3321



Tgt Ion:128 Resp: 282305

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	11.1	8.8	13.2

