

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087323.D
 Acq On : 10 Jul 2025 14:10
 Operator : JC\MD
 Sample : Q2554-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 01:10:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	44098	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	216228	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	206256	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	89559	26.955	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.833%#
60) 4-Bromofluorobenzene	12.847	95	93064	29.240	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.467%
63) Toluene-d8	10.565	98	255085	27.544	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	91.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	697	0.257	ug/l #	78
6) Chloroethane	3.159	64	1448	0.916	ug/l #	25
8) Diethyl Ether	3.983	74	7140	4.021	ug/l	100
11) Methyl Iodide	4.612	142	881	0.368	ug/l #	67
12) Methyl Acetate	5.047	43	6570	1.568	ug/l #	85
14) Acrylonitrile	5.536	53	24488	12.529	ug/l #	13
15) Acetone	4.441	58	555459	974.304	ug/l	94
16) Carbon Disulfide	4.730	76	7130	0.913	ug/l #	93
17) Allyl chloride	4.724	41	62384	14.159	ug/l	83
18) Methylene Chloride	5.283	84	1843	0.596	ug/l #	69
22) cis-1,2-Dichloroethene	7.494	96	2390	0.703	ug/l #	9
23) tert-Butyl Alcohol	5.536	59	3065542	4170.695	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	8798	0.939	ug/l #	74
30) 2-Butanone	7.488	43	2803666	1233.247	ug/l	93
31) 2,2-Dichloropropane	7.447	77	153526	37.738	ug/l #	53
34) Benzene	8.618	78	51926	4.863	ug/l	94
35) Methacrylonitrile	7.788	41	124843	54.490	ug/l #	50
36) 1,2-Dichloroethane	8.677	62	6909	2.003	ug/l #	75
43) Ethyl Acetate	7.653	43	914	0.223	ug/l #	56
44) Isopropyl Acetate	8.659	43	15391	2.302	ug/l #	1
45) 1,4-Dioxane	9.694	88	2023	44.725	ug/l #	82
46) Methyl methacrylate	9.688	41	3794	1.221	ug/l	91
58) 4-Methyl-2-Pentanone	10.453	43	26971	6.505	ug/l	97
59) 2-Hexanone	11.176	43	78224	29.215	ug/l #	29
62) Toluene	10.629	91	84518	7.255	ug/l	98
64) Chlorobenzene	11.888	112	12703	1.710	ug/l	94
66) Ethyl Benzene	11.965	91	102016	8.001	ug/l	99
67) m/p-Xylenes	12.070	106	42093	8.615	ug/l	99
68) o-Xylene	12.394	106	24256	5.204	ug/l	93
69) Styrene	12.412	104	5623	0.703	ug/l #	31
70) Isopropylbenzene	12.688	105	17829	1.536	ug/l	100
74) n-propylbenzene	13.035	91	8559	0.603	ug/l	94
75) 2-Chlorotoluene	13.129	91	2542	0.297	ug/l	77
76) 1,3,5-Trimethylbenzene	13.170	105	7528	0.797	ug/l	94
77) t-1,4-Dichloro-2-butene	12.700	75	563	0.352	ug/l #	53
78) 4-Chlorotoluene	13.129	91	2274	0.259	ug/l	80
79) tert-butylbenzene	13.670	119	2553	0.321	ug/l	62
80) 1,2,4-Trimethylbenzene	13.482	105	31501	3.319	ug/l	99
82) p-Isopropyltoluene	13.723	119	48978	5.096	ug/l	97

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QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

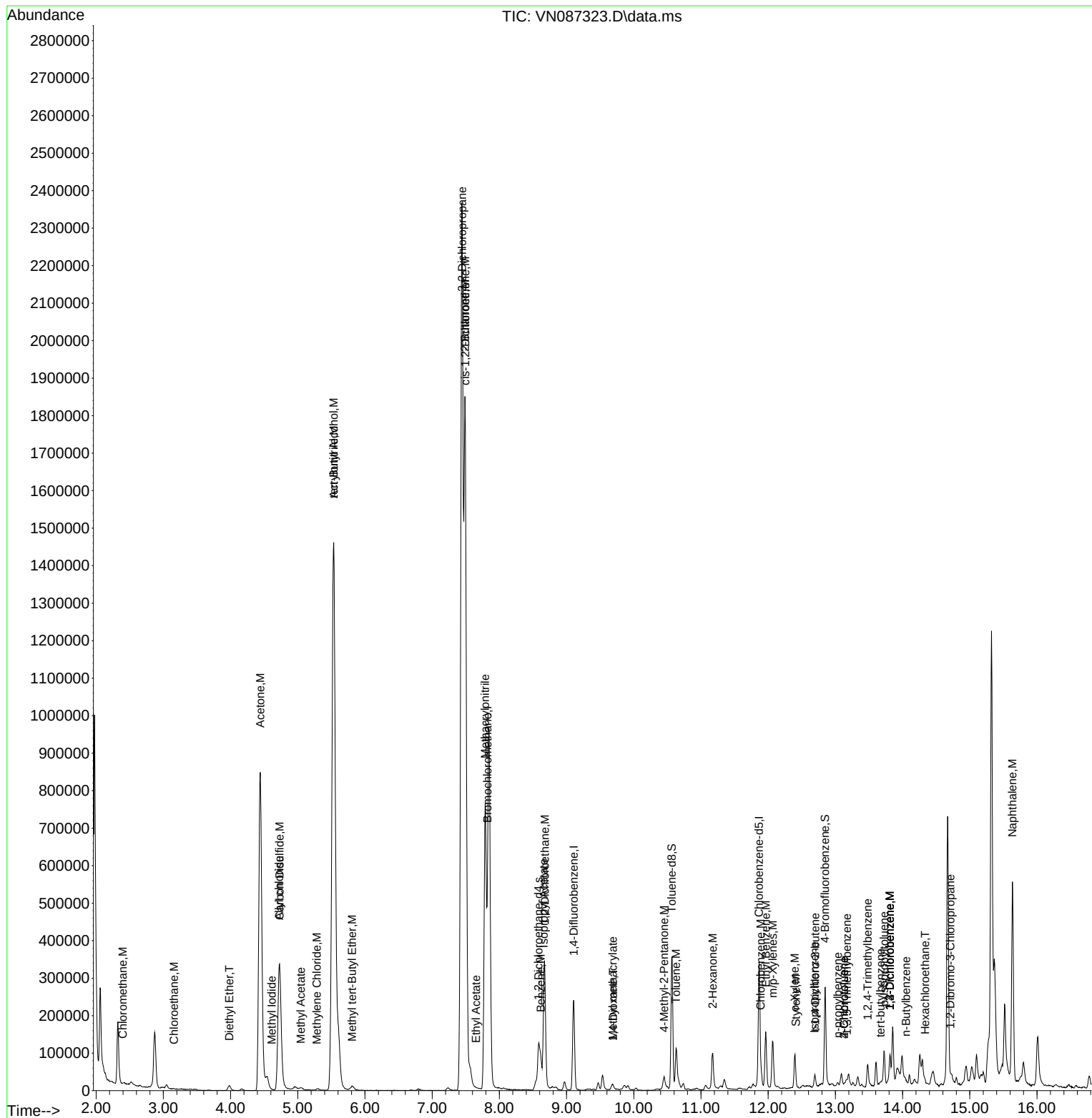
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) 1,3-Dichlorobenzene	13.811	146	24828	4.578	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	24828	4.549	ug/l	99
85) n-Butylbenzene	14.053	91	2163	0.247	ug/l	72
86) Hexachloroethane	14.335	117	387	0.213	ug/l #	20
87) 1,2-Dichlorobenzene	13.811	146	24828	4.856	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.711	75	398	0.423	ug/l #	6
91) Naphthalene	15.635	128	505411	44.390	ug/l	99

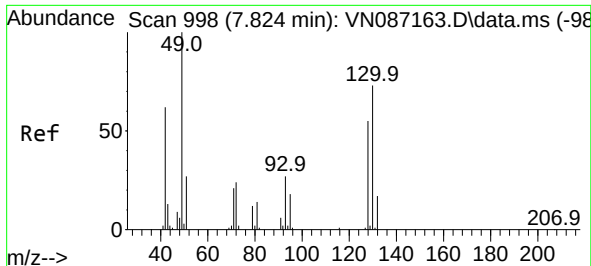
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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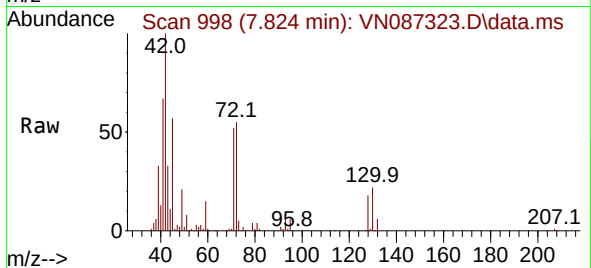
Quant Time: Jul 11 01:10:50 2025
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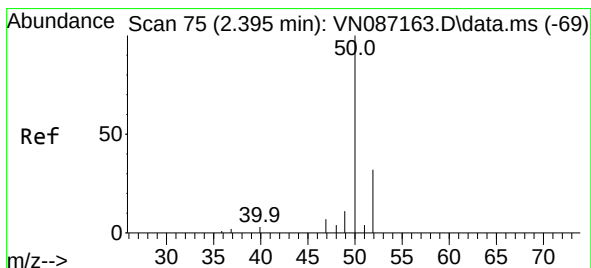
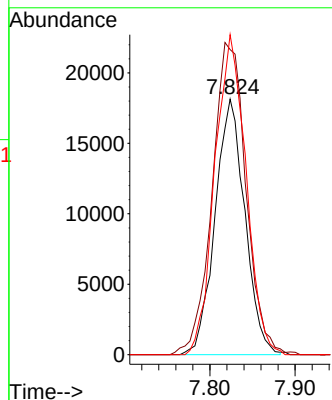
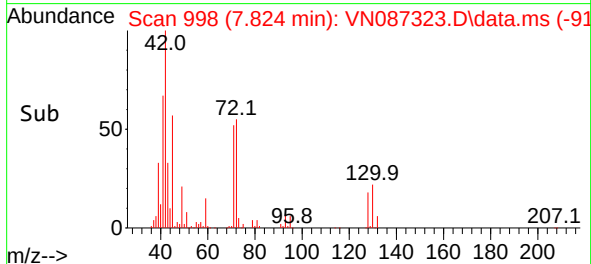


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087323.D
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Instrument :
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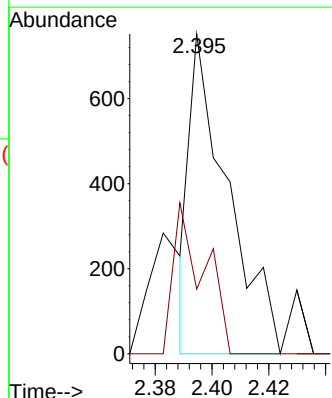
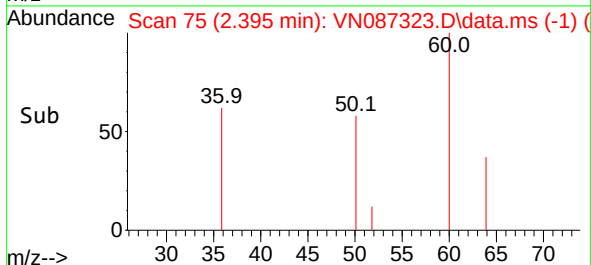
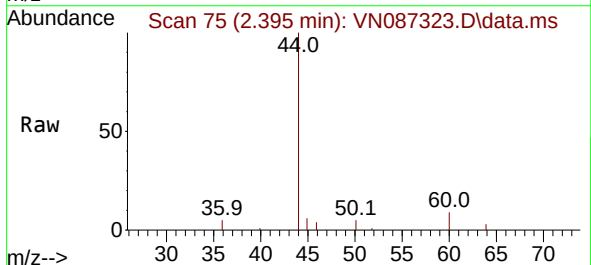


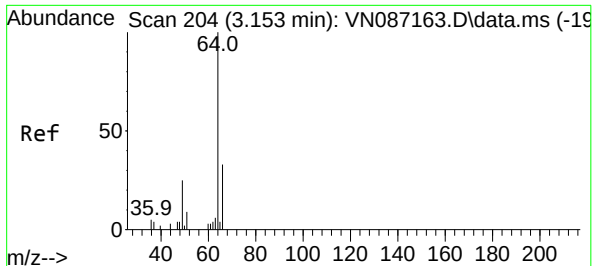
Tgt Ion:128 Resp: 44098
Ion Ratio Lower Upper
128 100
49 138.8 0.0 450.5
130 130.7 0.0 320.7



#3
Chloromethane
Concen: 0.257 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 50 Resp: 697
Ion Ratio Lower Upper
50 100
52 20.2 25.9 38.9#

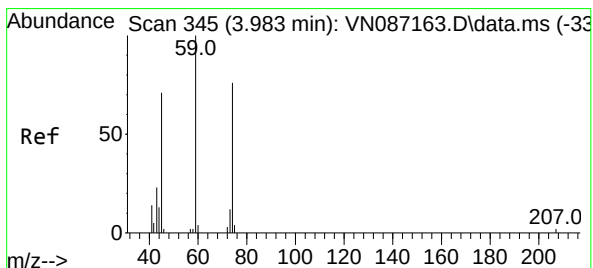
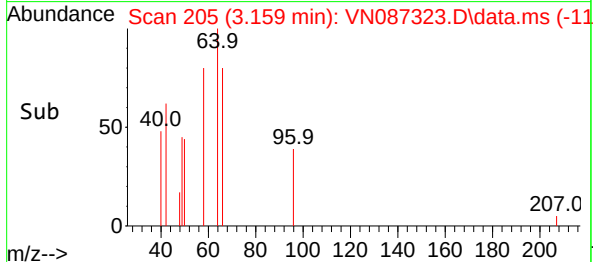
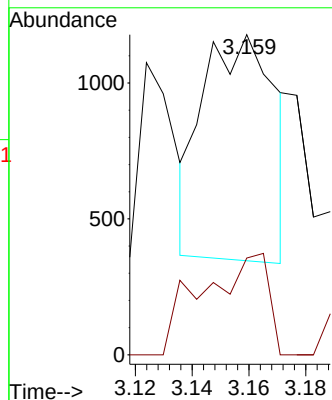
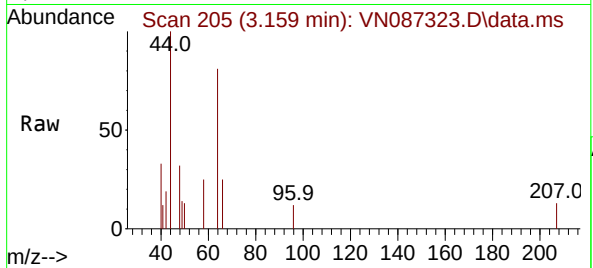




#6
Chloroethane
Concen: 0.916 ug/l
RT: 3.159 min Scan# 204
Delta R.T. 0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

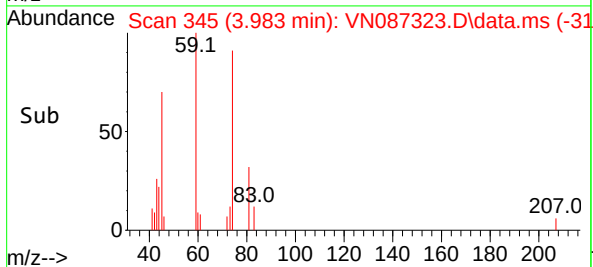
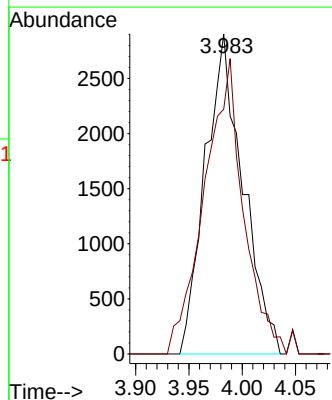
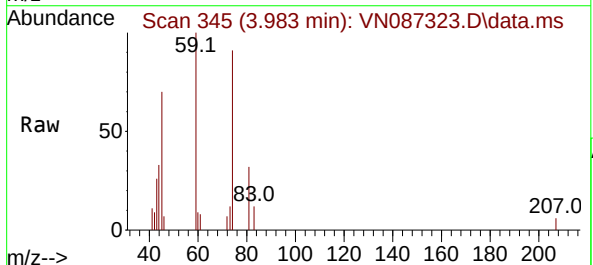
Instrument :
MSVOA_N
ClientSampleId :

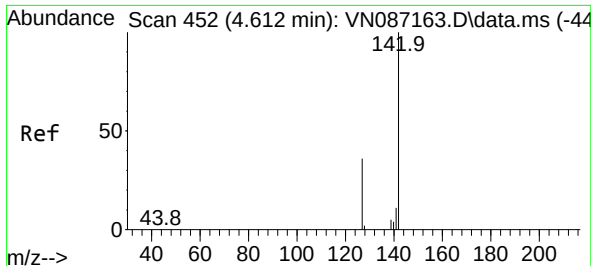
Tgt Ion: 64 Resp: 1448
Ion Ratio Lower Upper
64 100
66 75.6 26.4 39.6#



#8
Diethyl Ether
Concen: 4.021 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

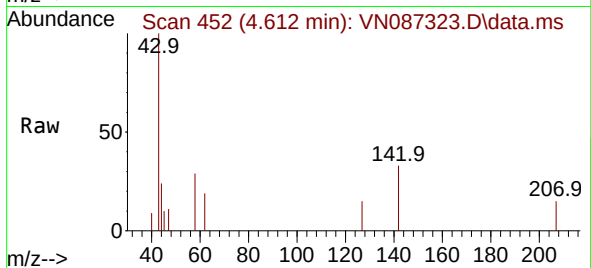
Tgt Ion: 74 Resp: 7140
Ion Ratio Lower Upper
74 100
45 95.2 19.0 171.0



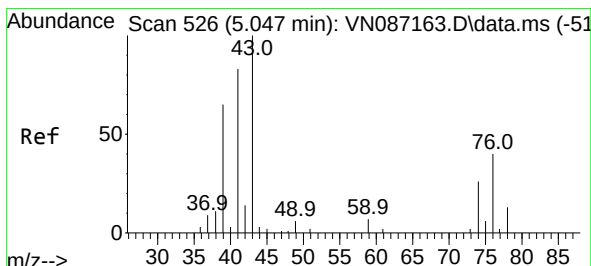
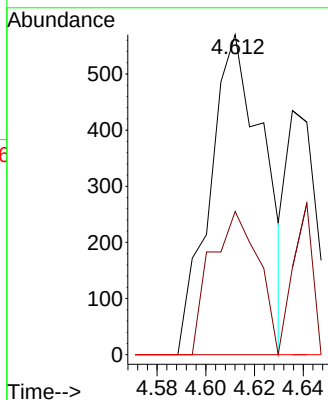
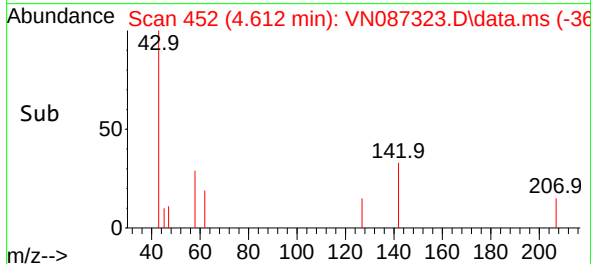


#11
Methyl Iodide
Concen: 0.368 ug/l
RT: 4.612 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Instrument :
MSVOA_N
ClientSampleId :

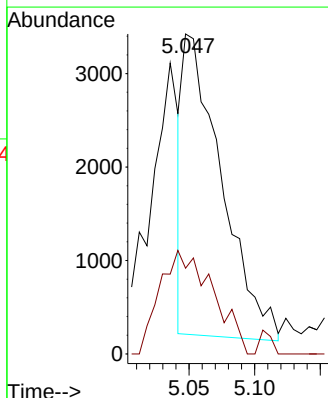
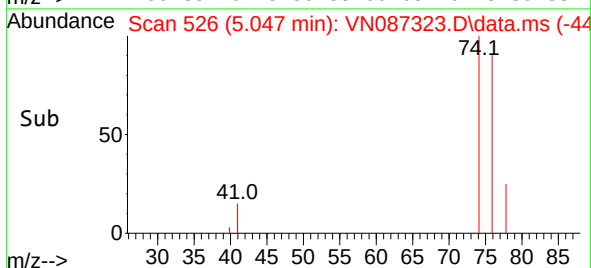
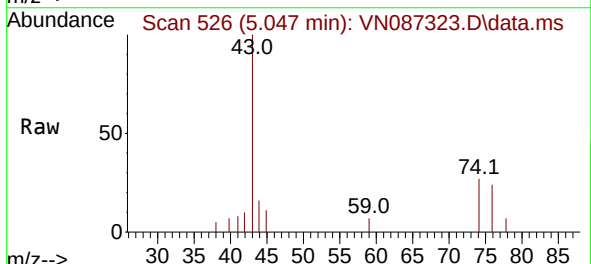


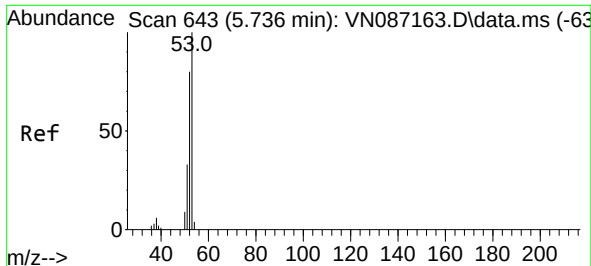
Tgt Ion:142 Resp: 881
Ion Ratio Lower Upper
142 100
127 56.4 18.1 54.1#
141 0.0 5.7 17.1#



#12
Methyl Acetate
Concen: 1.568 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

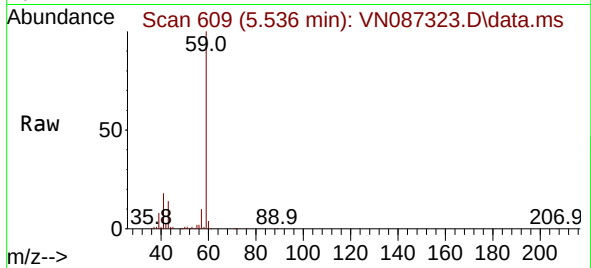
Tgt Ion: 43 Resp: 6570
Ion Ratio Lower Upper
43 100
74 17.9 20.3 30.5#



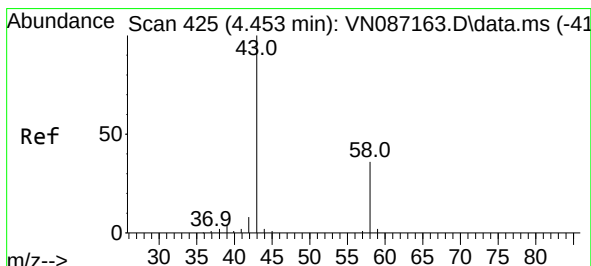
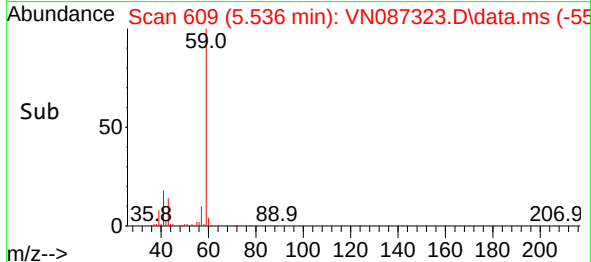
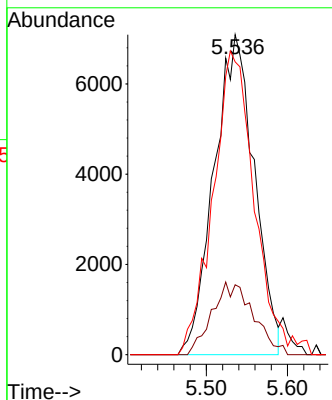


#14
Acrylonitrile
Concen: 12.529 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.200 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Instrument :
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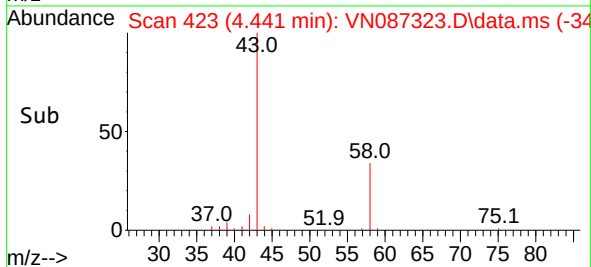
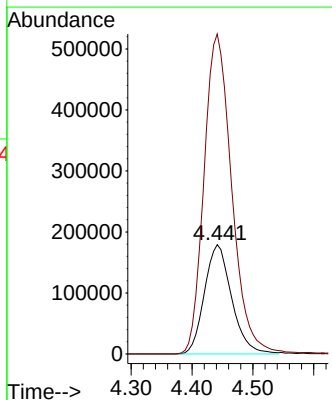
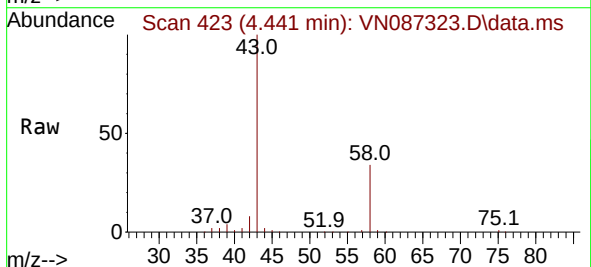


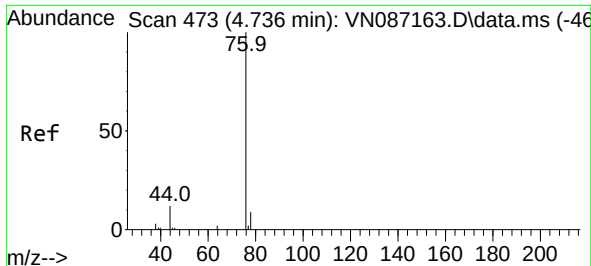
Tgt Ion: 53 Resp: 24488
Ion Ratio Lower Upper
53 100
52 11.7 40.5 121.5#
51 95.4 16.9 50.7#



#15
Acetone
Concen: 974.304 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.012 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 58 Resp: 555459
Ion Ratio Lower Upper
58 100
43 292.4 224.3 336.5

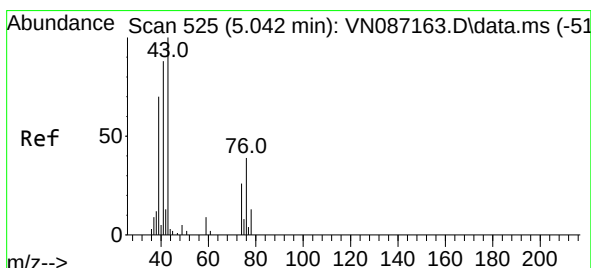
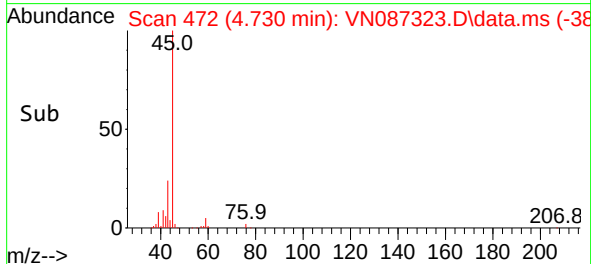
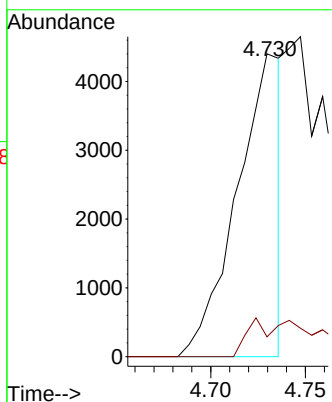
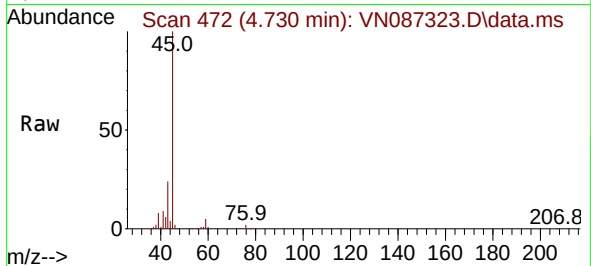




#16
Carbon Disulfide
Concen: 0.913 ug/l
RT: 4.730 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

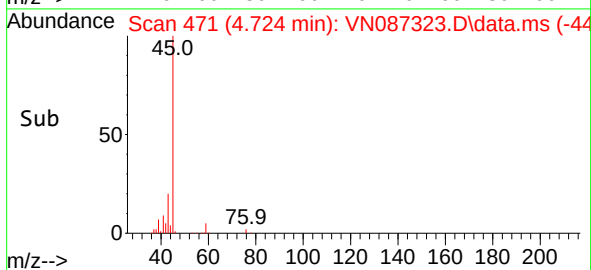
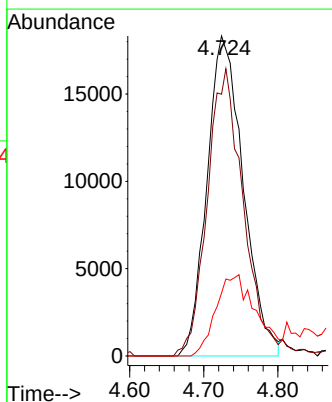
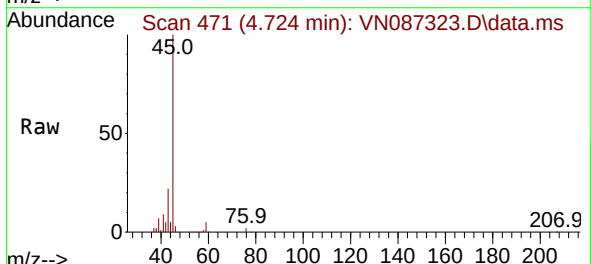
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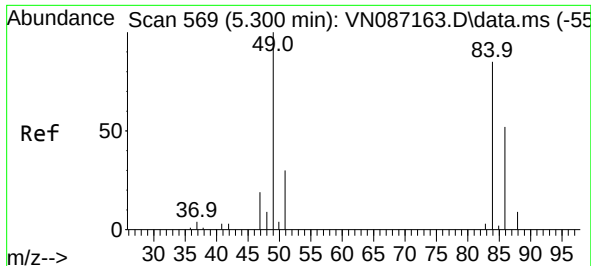
Tgt Ion: 76 Resp: 7130
Ion Ratio Lower Upper
76 100
78 6.5 7.2 10.8#



#17
Allyl chloride
Concen: 14.159 ug/l
RT: 4.724 min Scan# 471
Delta R.T. -0.318 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

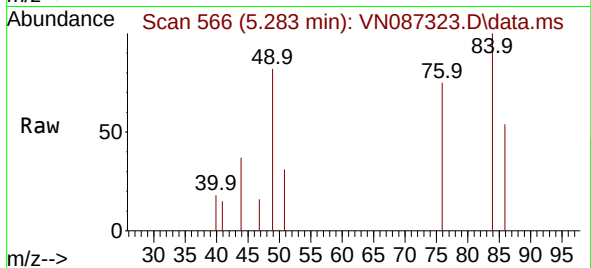
Tgt Ion: 41 Resp: 62384
Ion Ratio Lower Upper
41 100
39 80.0 36.0 108.0
76 19.7 19.5 58.5



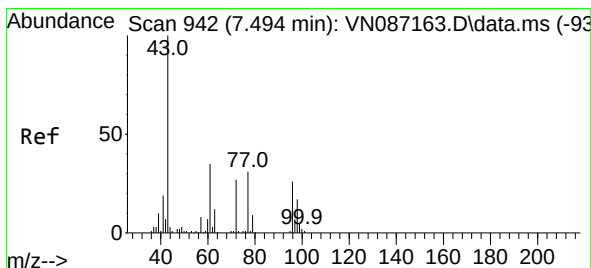
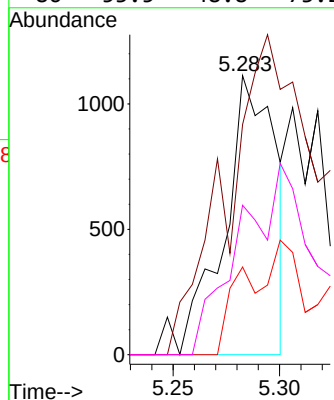


#18
Methylene Chloride
Concen: 0.596 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Instrument :
MSVOA_N
ClientSampleId :

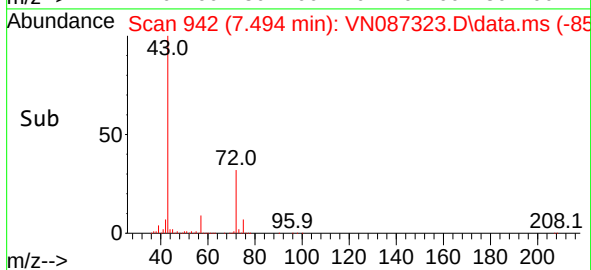
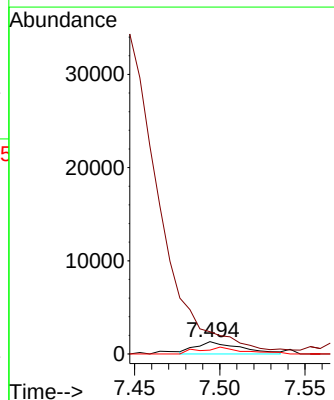
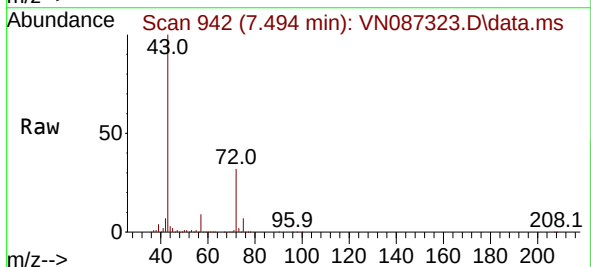


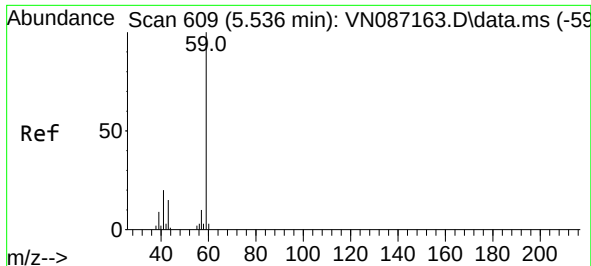
Tgt Ion	84	Resp:	1843
Ion	Ratio	Lower	Upper
84	100		
49	63.6	94.0	141.0#
51	31.4	28.3	42.5
86	53.5	48.8	73.2



#22
cis-1,2-Dichloroethene
Concen: 0.703 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087323.D
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Tgt Ion	96	Resp:	2390
Ion	Ratio	Lower	Upper
96	100		
61	0.0	119.2	178.8#
98	41.0	50.6	75.8#

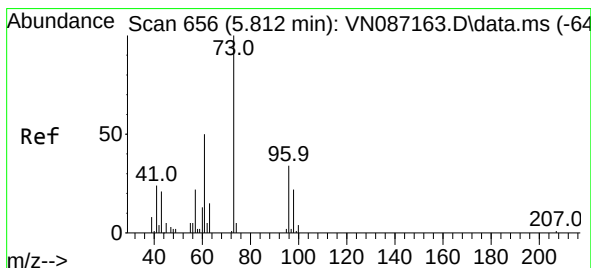
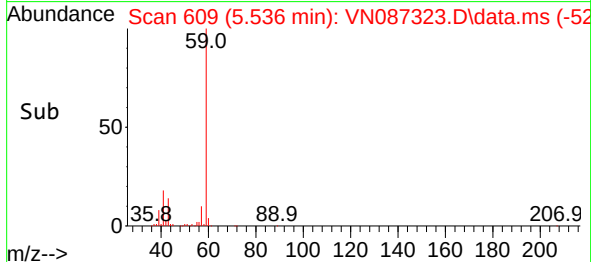
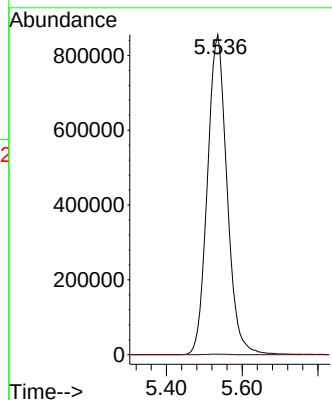
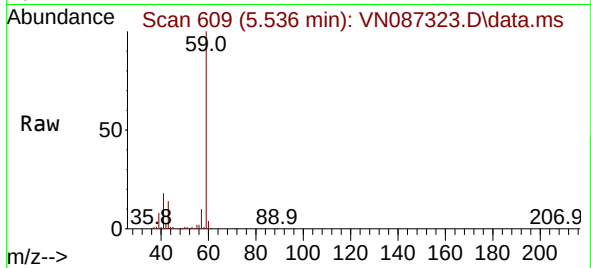




#23
tert-Butyl Alcohol
Concen: 4170.695 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

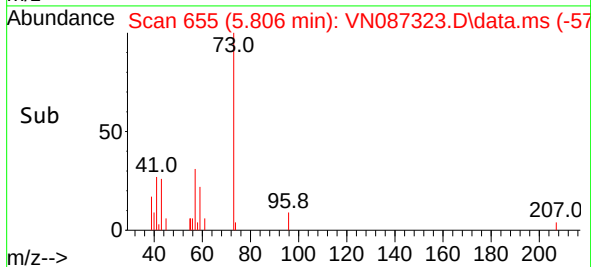
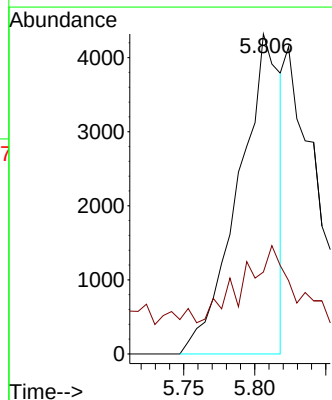
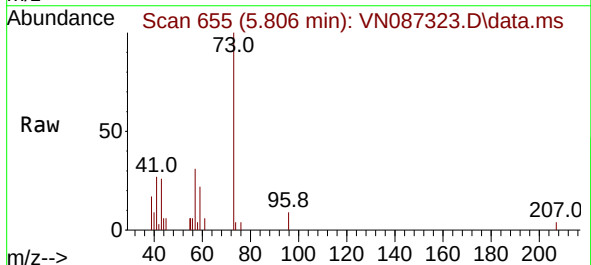
Instrument :
MSVOA_N
ClientSampleId :

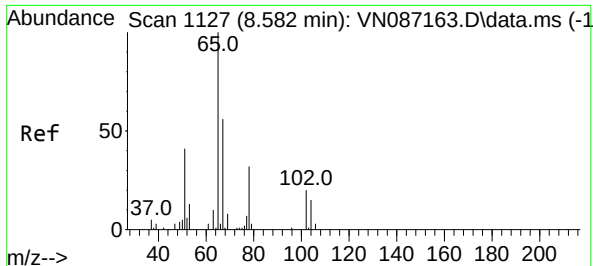
Tgt Ion: 59 Resp: 3065542
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 0.939 ug/l
RT: 5.806 min Scan# 655
Delta R.T. -0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 73 Resp: 8798
Ion Ratio Lower Upper
73 100
43 8.3 16.4 24.6#





#27

1,2-Dichloroethane-d4

Concen: 26.955 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

Instrument :

MSVOA_N

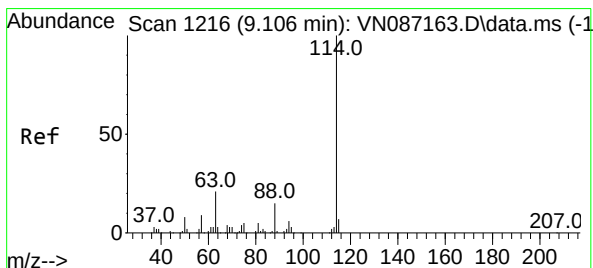
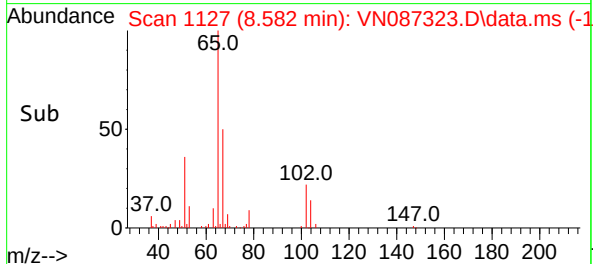
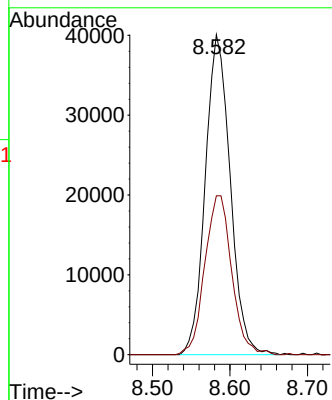
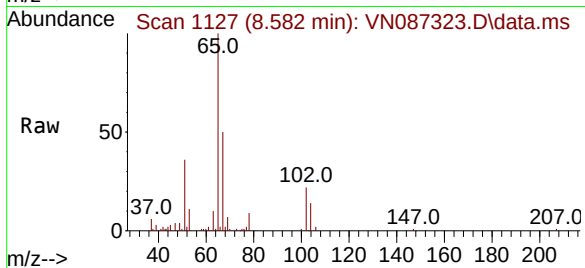
ClientSampleId :

Tgt Ion: 65 Resp: 89559

Ion Ratio Lower Upper

65 100

67 53.3 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

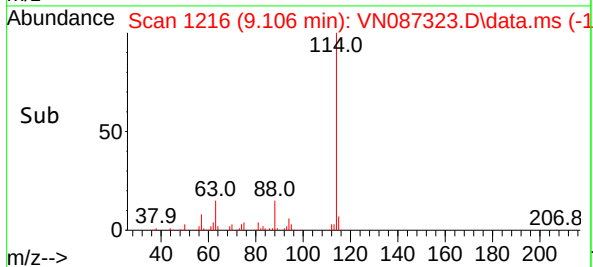
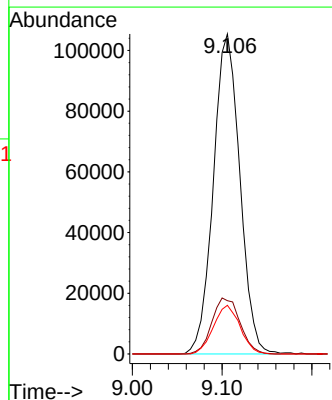
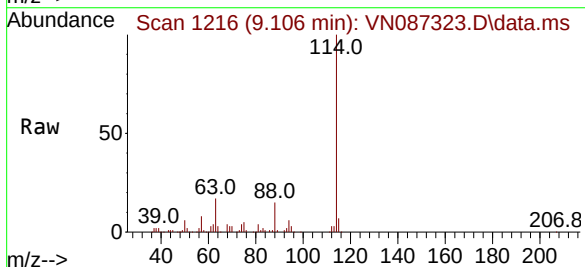
Tgt Ion: 114 Resp: 216228

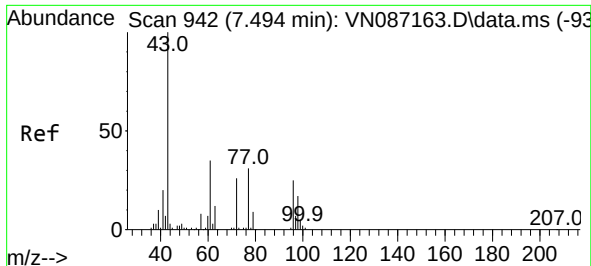
Ion Ratio Lower Upper

114 100

63 18.6 17.0 25.4

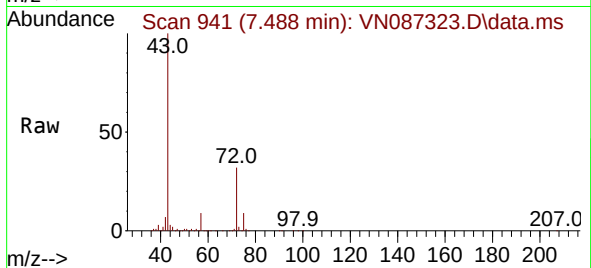
88 15.2 12.6 19.0





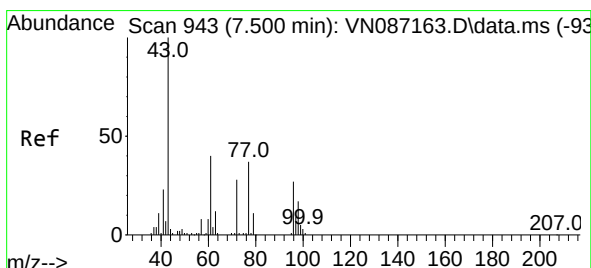
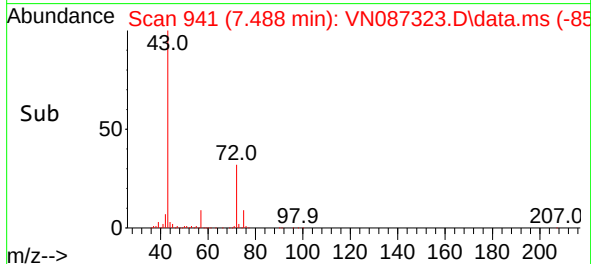
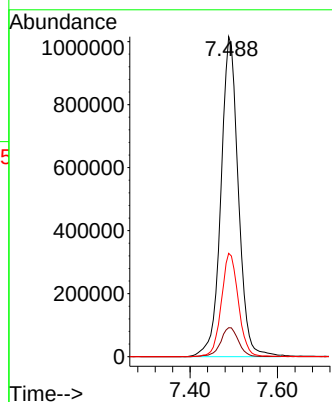
#30
2-Butanone
Concen: 1233.247 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 2803666

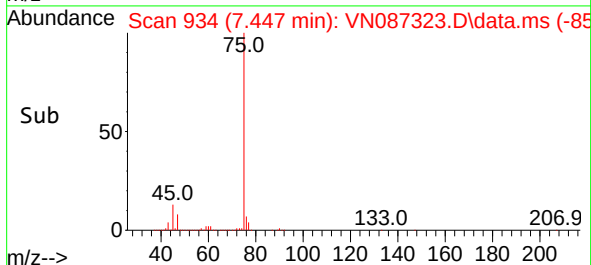
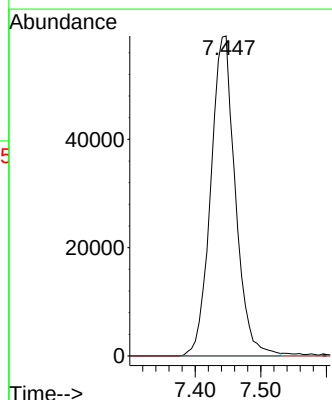
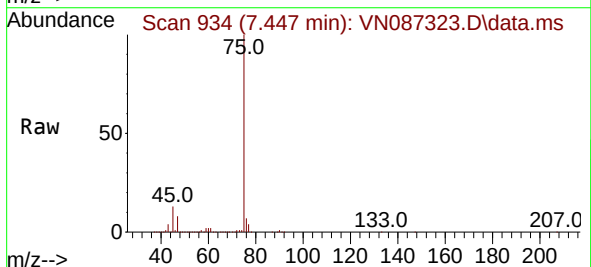
Ion	Ratio	Lower	Upper
43	100		
57	9.4	6.3	9.5
72	31.4	21.8	32.6

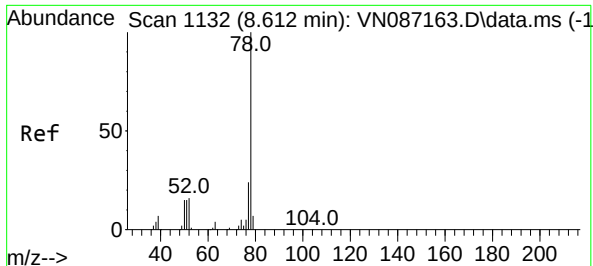


#31
2,2-Dichloropropane
Concen: 37.738 ug/l
RT: 7.447 min Scan# 934
Delta R.T. -0.053 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 77 Resp: 153526

Ion	Ratio	Lower	Upper
77	100		
97	0.0	18.4	27.6#





#34

Benzene

Concen: 4.863 ug/l

RT: 8.618 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN087323.D

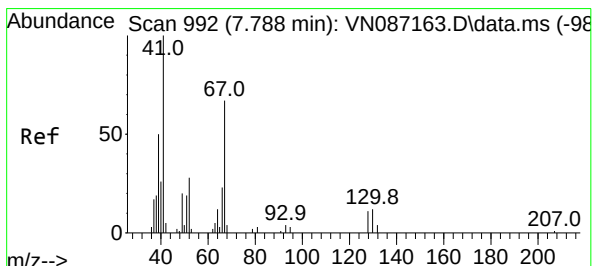
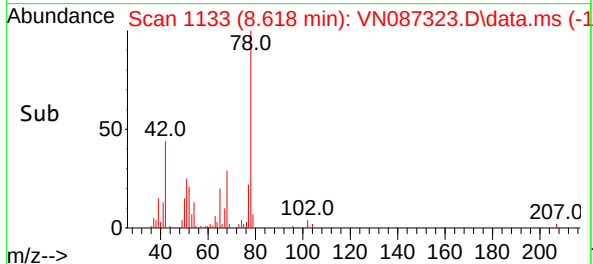
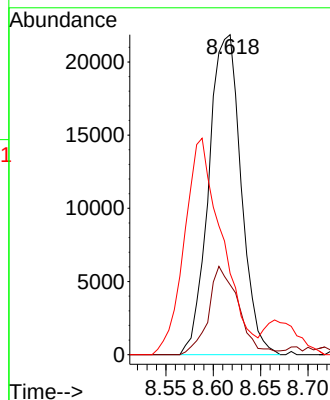
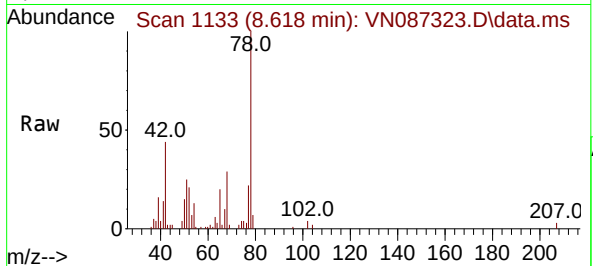
Acq: 10 Jul 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 78	Resp: 51926
Ion Ratio	Lower Upper
78 100	
77 21.9	19.5 29.3
51 15.4	14.8 22.2



#35

Methacrylonitrile

Concen: 54.490 ug/l

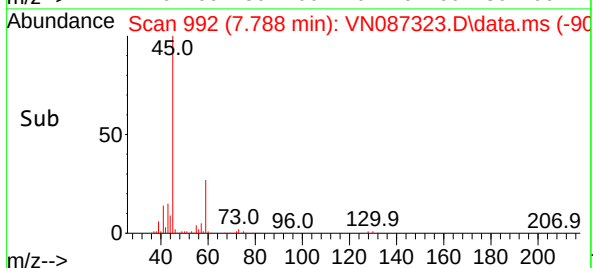
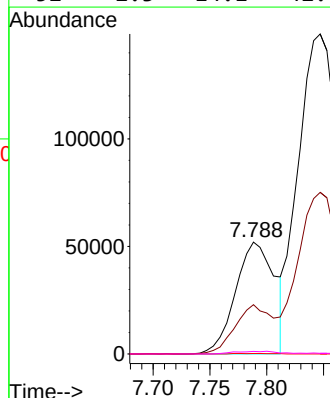
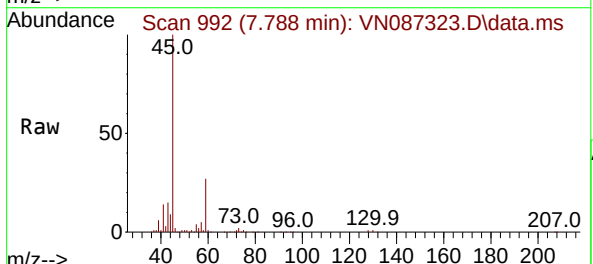
RT: 7.788 min Scan# 992

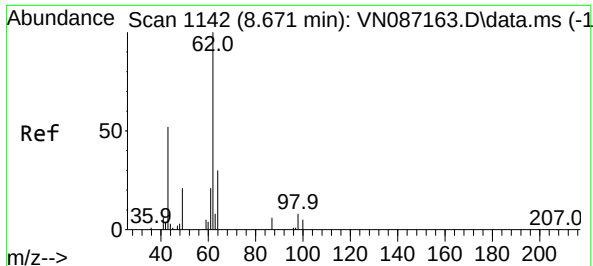
Delta R.T. -0.000 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

Tgt Ion: 41	Resp: 124843
Ion Ratio	Lower Upper
41 100	
39 44.1	24.4 73.2
67 0.5	33.3 99.8#
52 2.3	14.1 42.4#

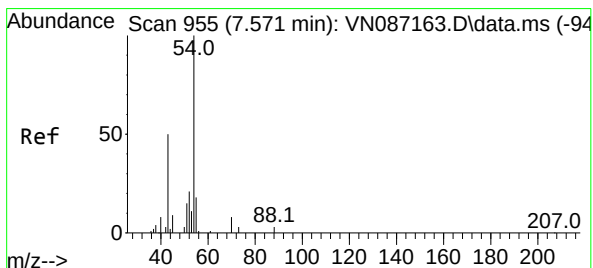
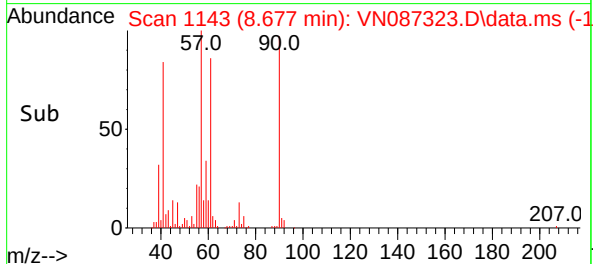
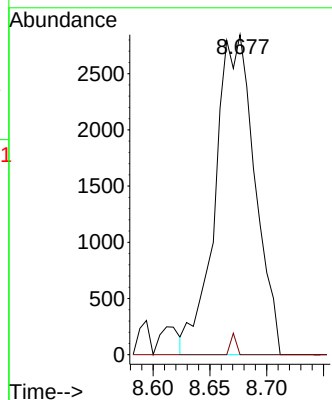
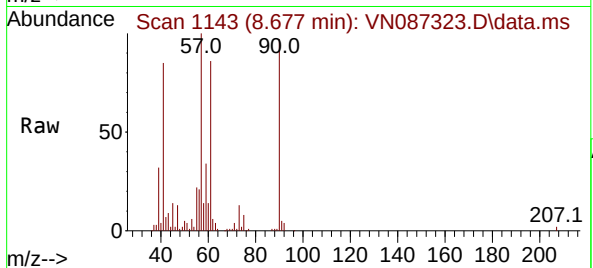




#36
1,2-Dichloroethane
Concen: 2.003 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

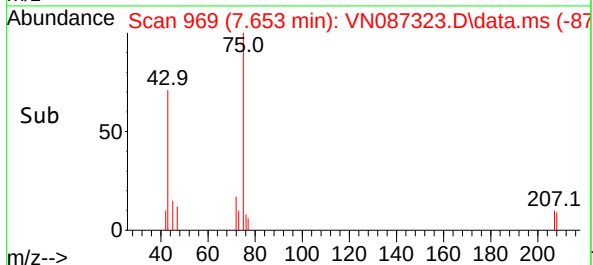
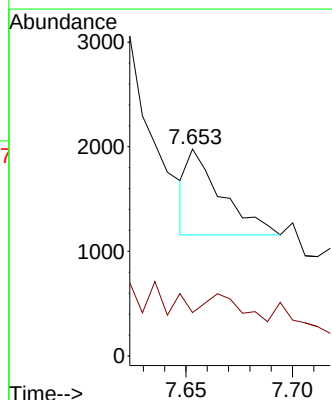
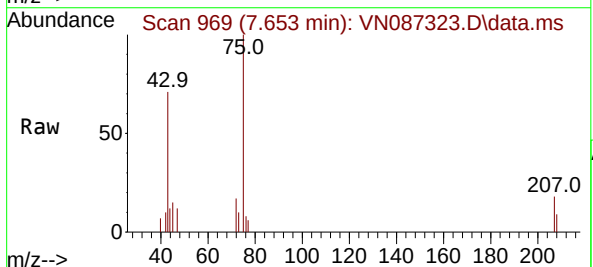
Instrument :
MSVOA_N
ClientSampleId :

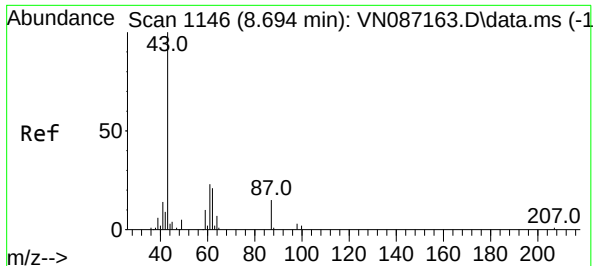
Tgt Ion: 62 Resp: 6909
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#43
Ethyl Acetate
Concen: 0.223 ug/l
RT: 7.653 min Scan# 969
Delta R.T. 0.082 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
45 32.5 11.5 17.3#

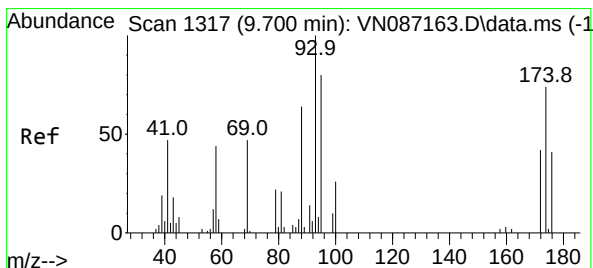
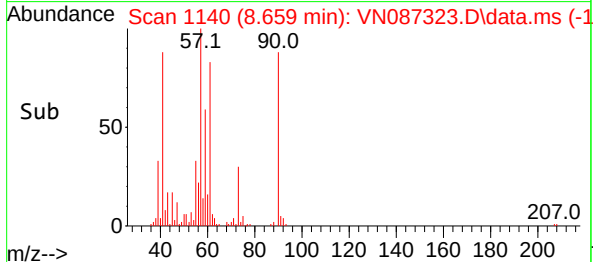
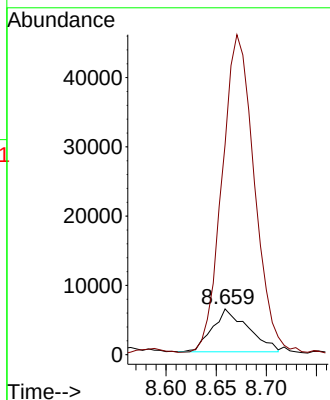
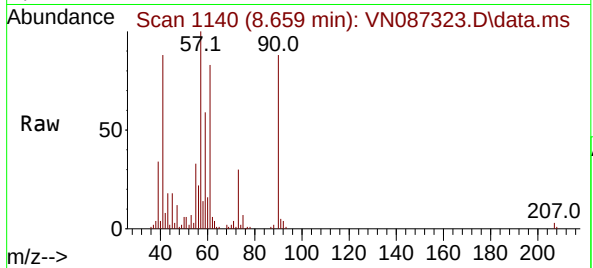




#44
Isopropyl Acetate
Concen: 2.302 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.035 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

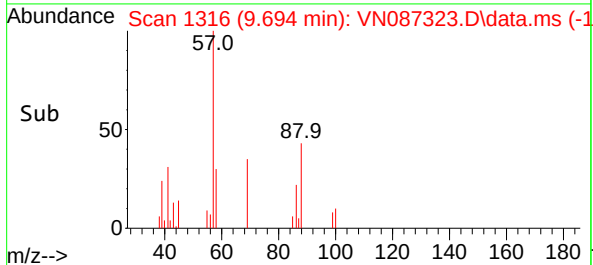
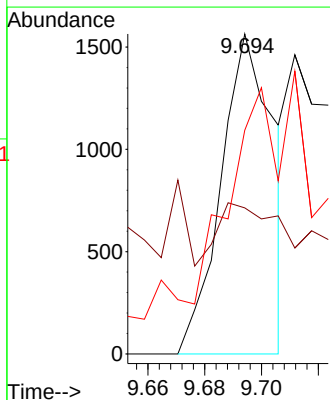
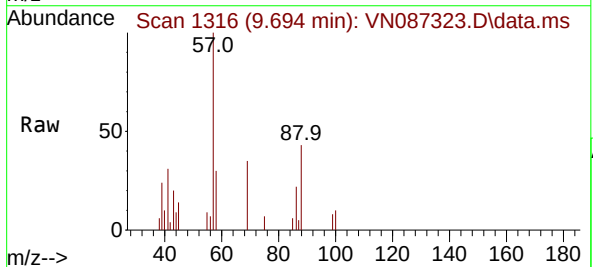
Instrument :
MSVOA_N
ClientSampleId :

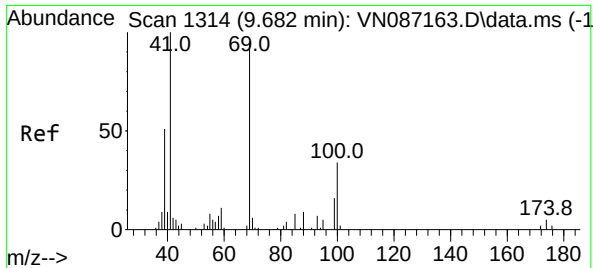
Tgt Ion: 43 Resp: 15391
Ion Ratio Lower Upper
43 100
61 682.9 20.5 30.7#



#45
1,4-Dioxane
Concen: 44.725 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 88 Resp: 2023
Ion Ratio Lower Upper
88 100
43 57.2 21.3 31.9#
58 79.9 61.7 92.5

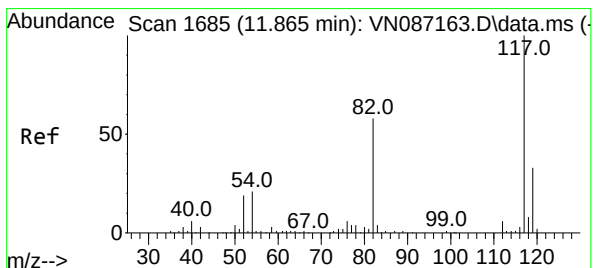
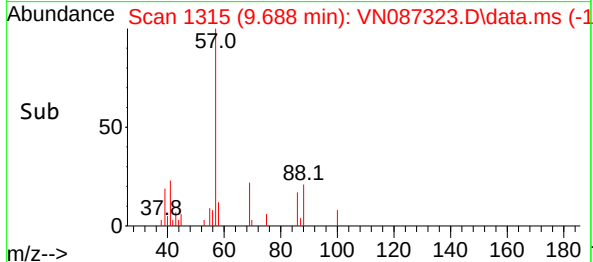
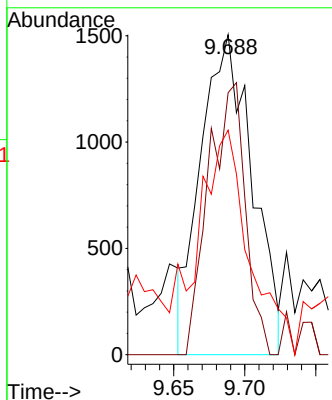
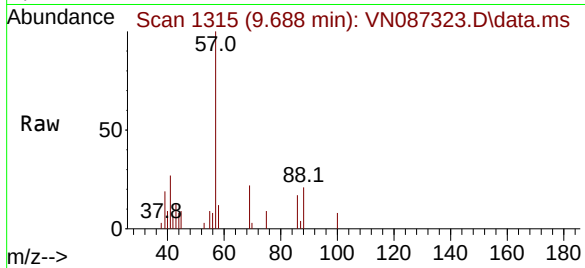




#46
Methyl methacrylate
Concen: 1.221 ug/l
RT: 9.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

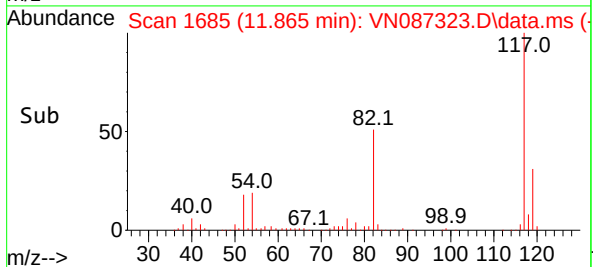
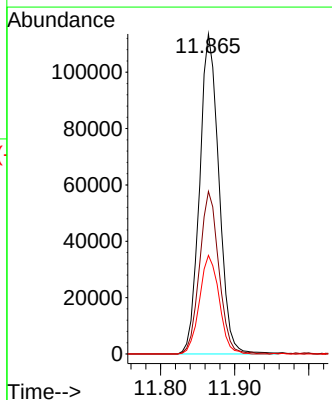
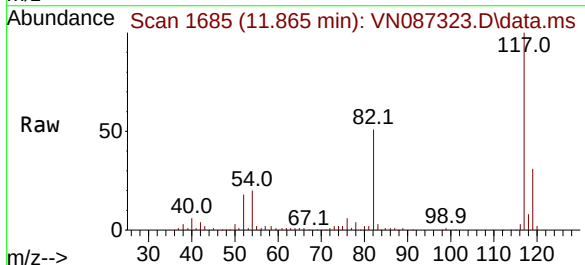
Instrument :
MSVOA_N
ClientSampleId :

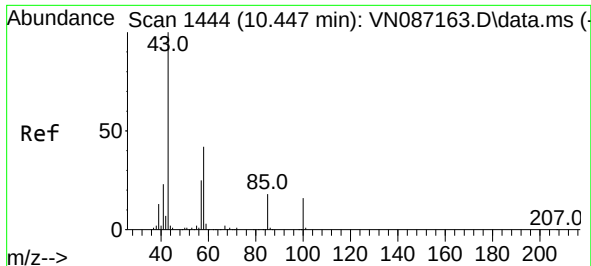
Tgt Ion: 41 Resp: 3794
Ion Ratio Lower Upper
41 100
69 95.0 45.6 136.9
39 64.8 26.2 78.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

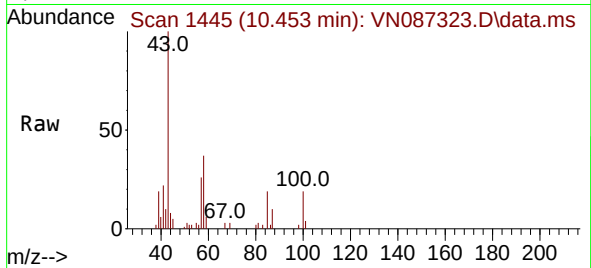
Tgt Ion: 117 Resp: 206256
Ion Ratio Lower Upper
117 100
82 50.4 45.4 68.2
119 31.3 26.2 39.4



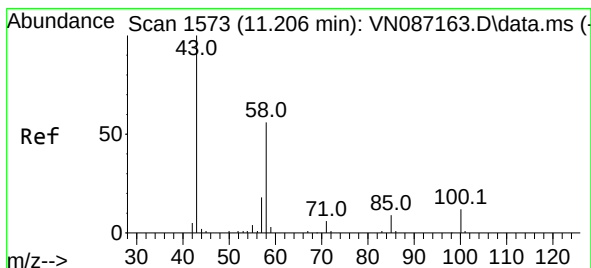
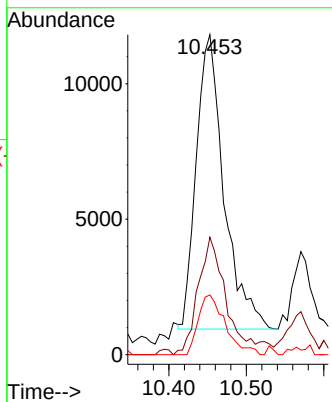
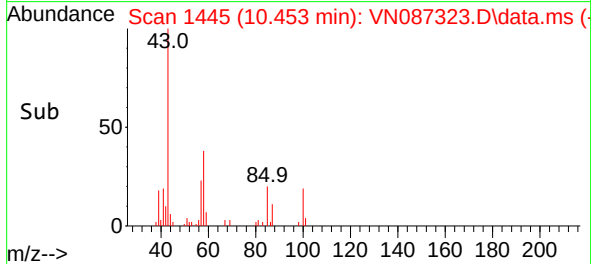


#58
4-Methyl-2-Pentanone
Concen: 6.505 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Instrument :
MSVOA_N
ClientSampleId :

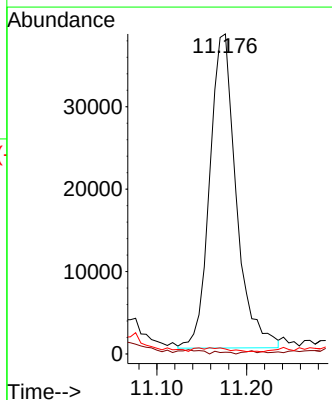
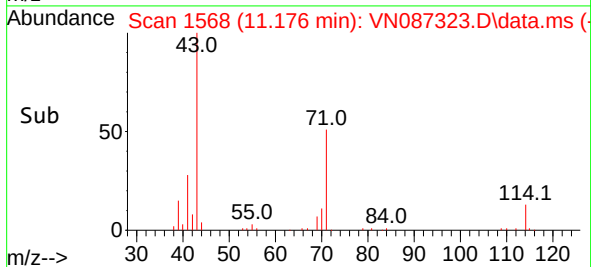
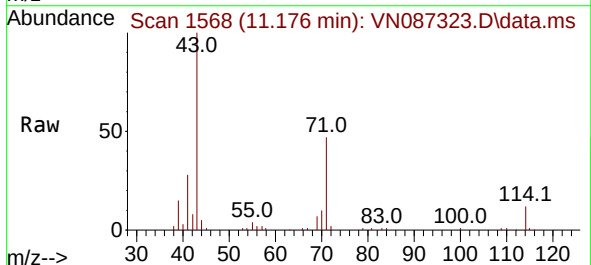


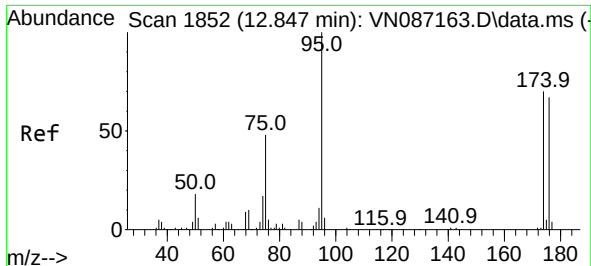
Tgt Ion: 43 Resp: 26971
Ion Ratio Lower Upper
43 100
58 38.3 32.6 49.0
85 18.8 14.6 22.0



#59
2-Hexanone
Concen: 29.215 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.030 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 43 Resp: 78224
Ion Ratio Lower Upper
43 100
58 0.2 49.2 73.8#
57 0.0 15.3 22.9#

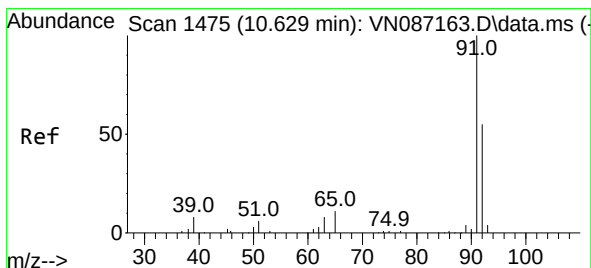
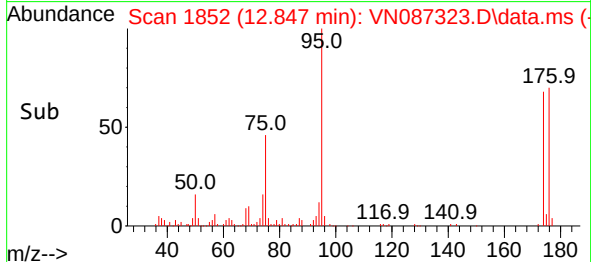
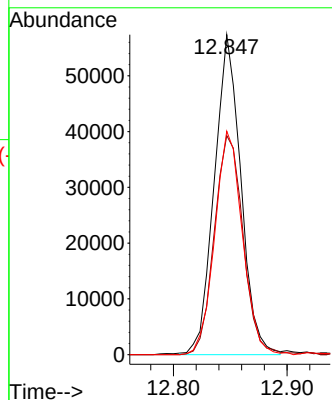
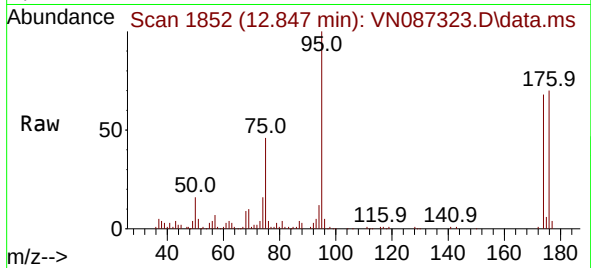




#60
4-Bromofluorobenzene
Concen: 29.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

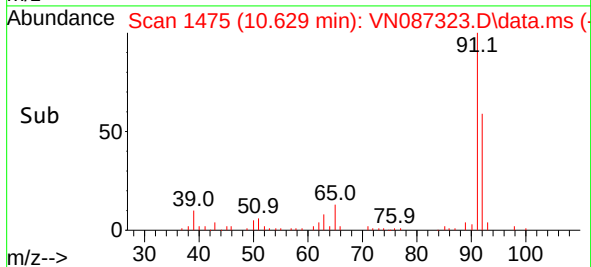
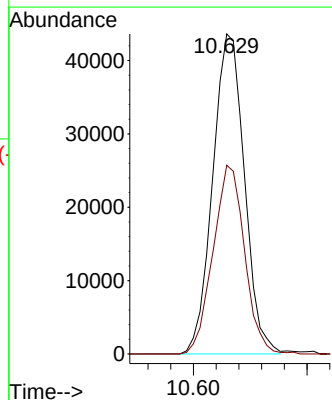
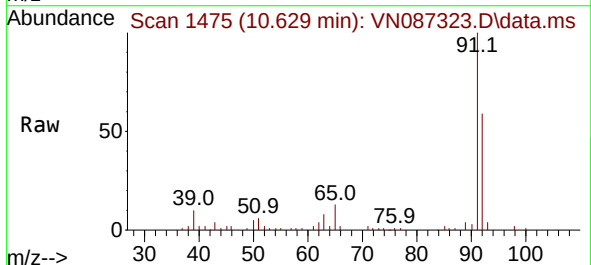
Instrument :
MSVOA_N
ClientSampleId :

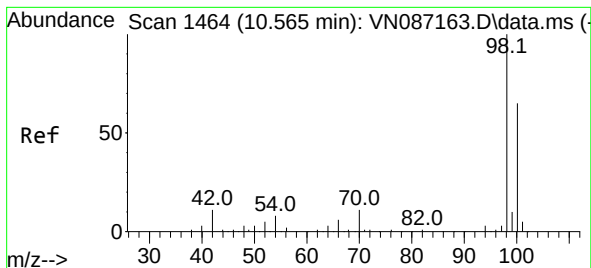
Tgt Ion: 95 Resp: 93064
Ion Ratio Lower Upper
95 100
174 74.2 54.5 81.7
176 72.8 51.9 77.9



#62
Toluene
Concen: 7.255 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 91 Resp: 84518
Ion Ratio Lower Upper
91 100
92 58.5 45.8 68.8





#63

Toluene-d8

Concen: 27.544 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

Instrument :

MSVOA_N

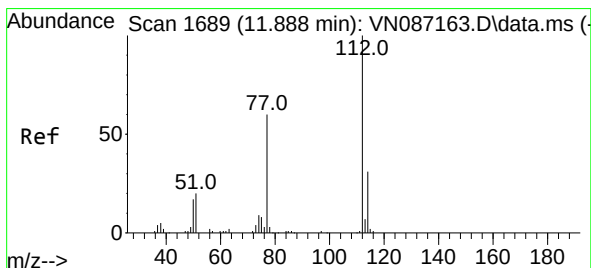
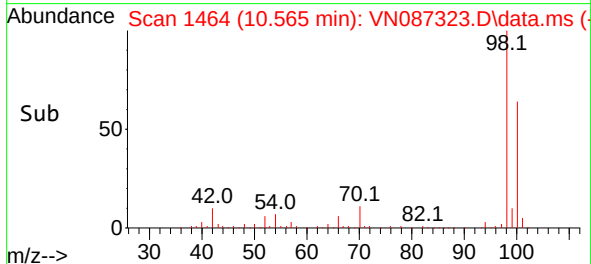
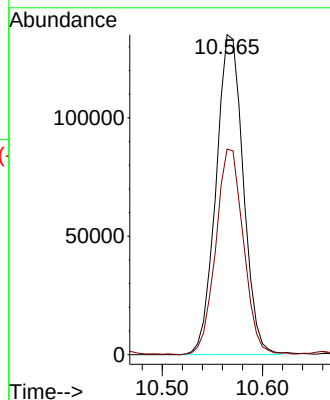
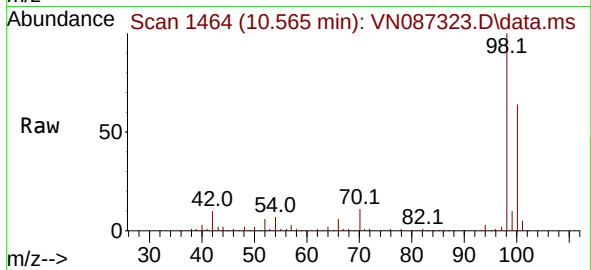
ClientSampleId :

Tgt Ion: 98 Resp: 255085

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#64

Chlorobenzene

Concen: 1.710 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN087323.D

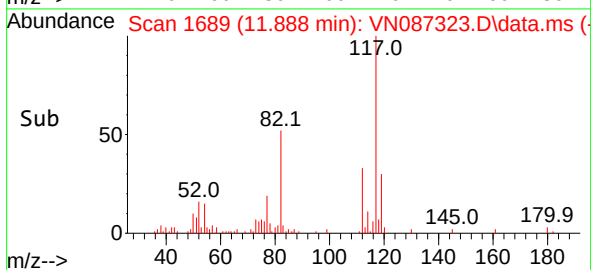
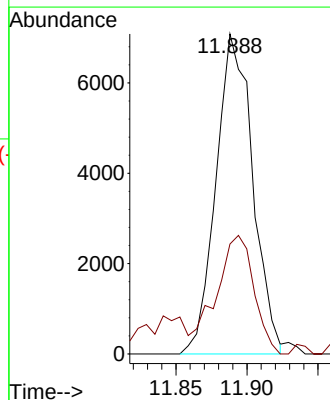
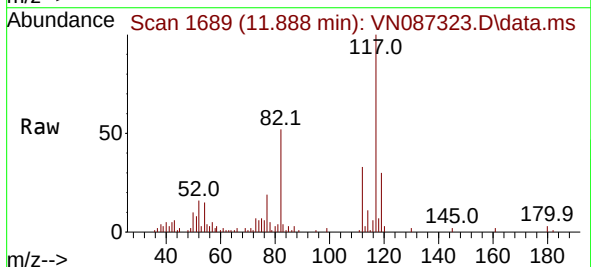
Acq: 10 Jul 2025 14:10

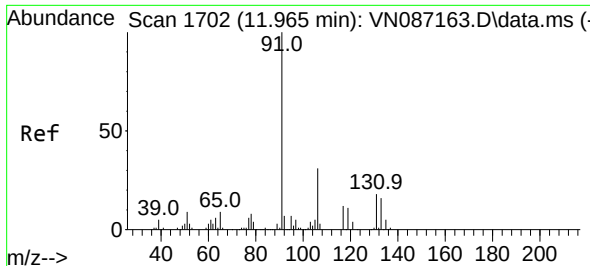
Tgt Ion: 112 Resp: 12703

Ion Ratio Lower Upper

112 100

114 34.3 25.0 37.4

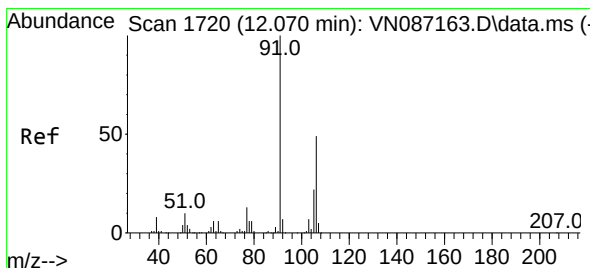
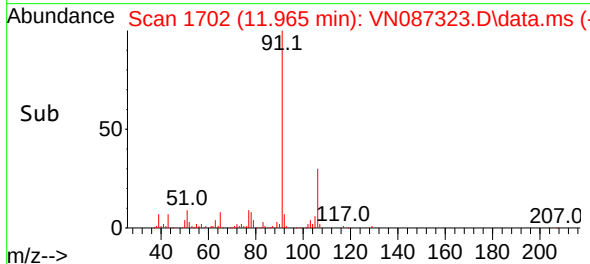
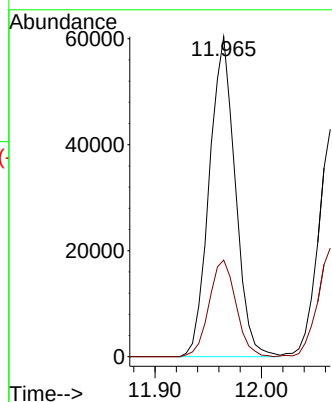
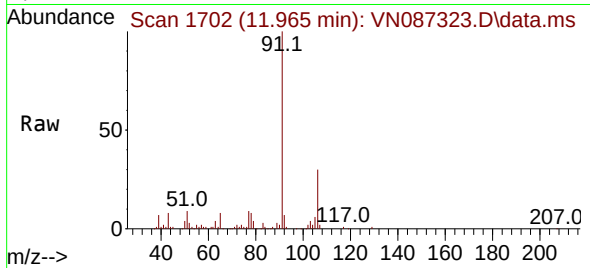




#66
Ethyl Benzene
Concen: 8.001 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

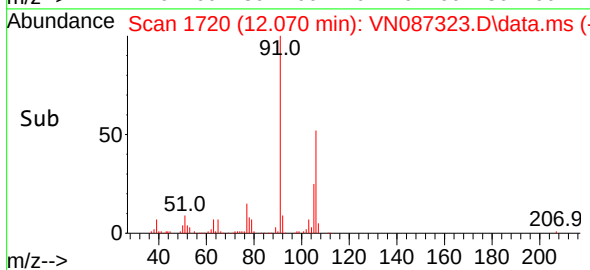
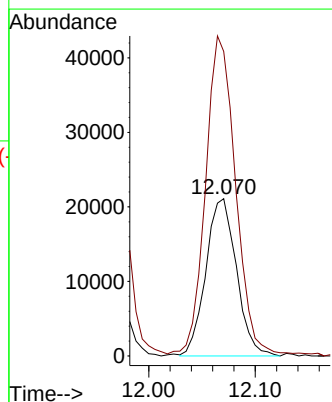
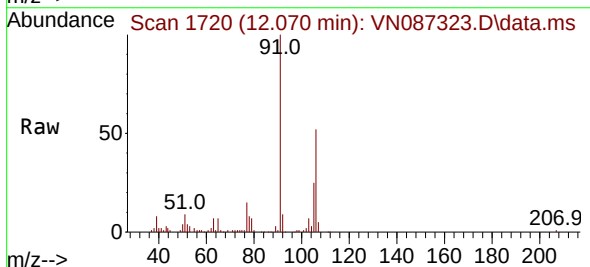
Instrument :
MSVOA_N
ClientSampleId :

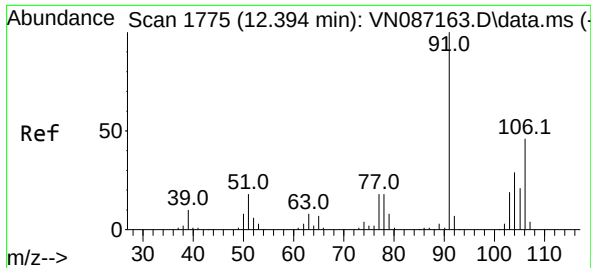
Tgt Ion: 91 Resp: 102016
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2



#67
m/p-Xylenes
Concen: 8.615 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 106 Resp: 42093
Ion Ratio Lower Upper
106 100
91 201.5 163.0 244.4

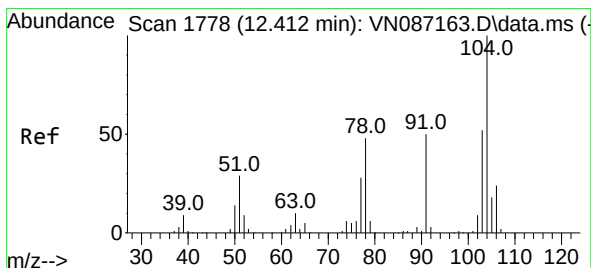
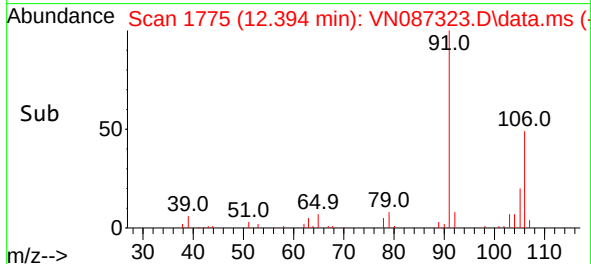
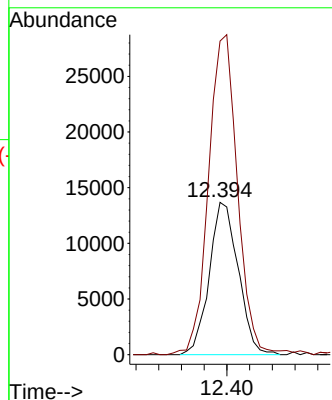
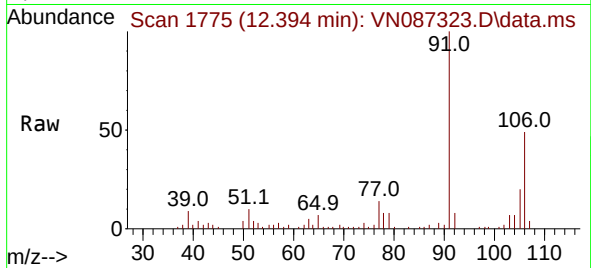




#68
o-Xylene
Concen: 5.204 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

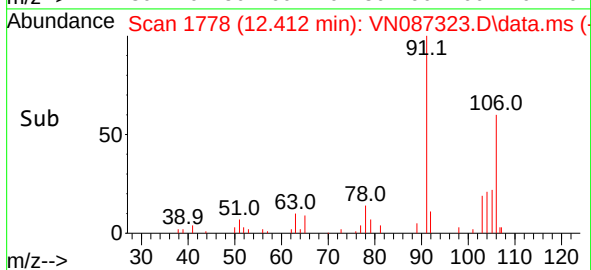
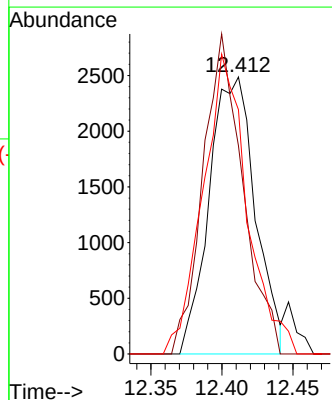
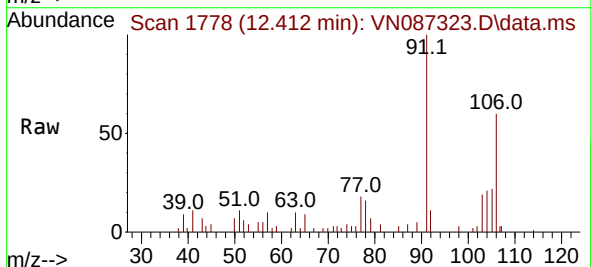
Instrument :
MSVOA_N
ClientSampleId :

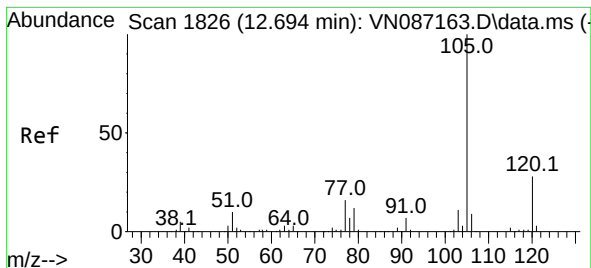
Tgt Ion:106 Resp: 24256
Ion Ratio Lower Upper
106 100
91 202.7 107.1 321.1



#69
Styrene
Concen: 0.703 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion:104 Resp: 5623
Ion Ratio Lower Upper
104 100
78 99.5 39.8 59.8#
103 103.4 44.2 66.4#





#70

Isopropylbenzene

Concen: 1.536 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. -0.006 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

Instrument :

MSVOA_N

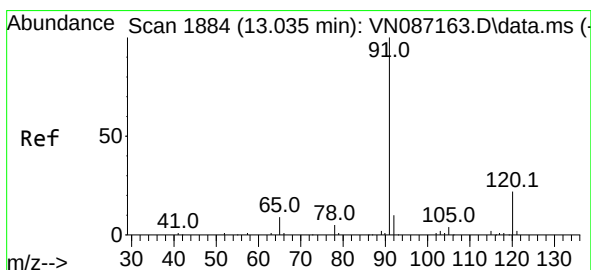
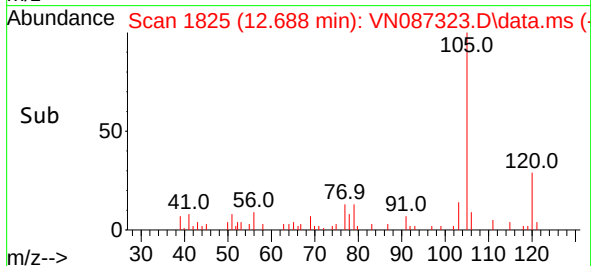
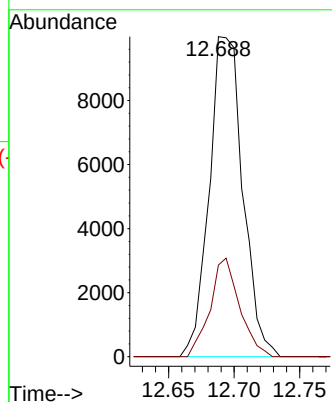
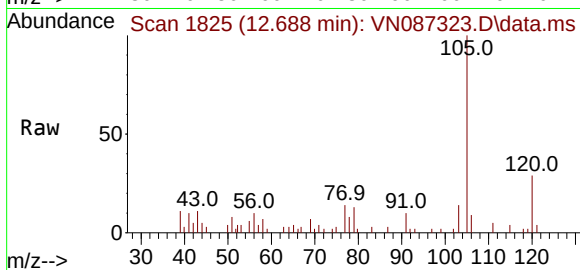
ClientSampleId :

Tgt Ion:105 Resp: 17829

Ion Ratio Lower Upper

105 100

120 27.0 19.0 35.2



#74

n-propylbenzene

Concen: 0.603 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN087323.D

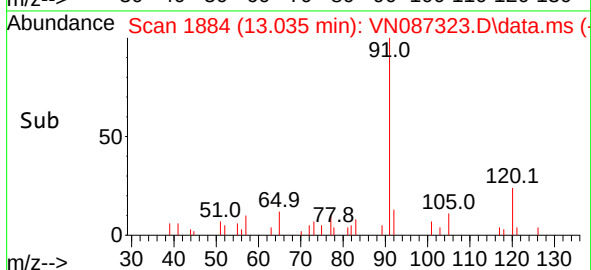
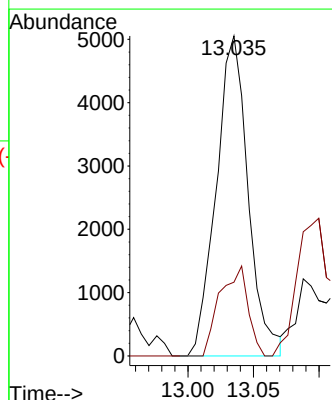
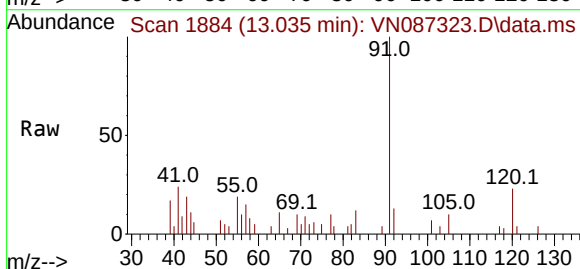
Acq: 10 Jul 2025 14:10

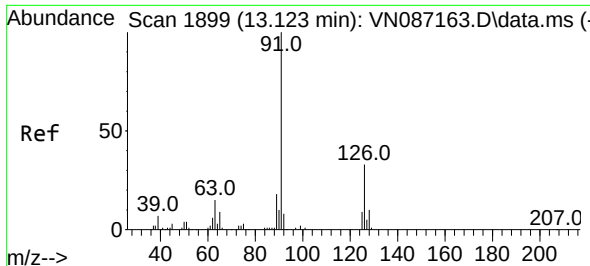
Tgt Ion: 91 Resp: 8559

Ion Ratio Lower Upper

91 100

120 24.6 0.0 43.6

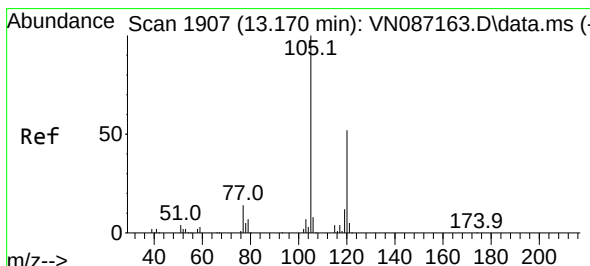
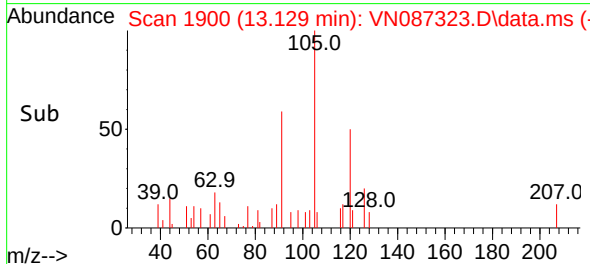
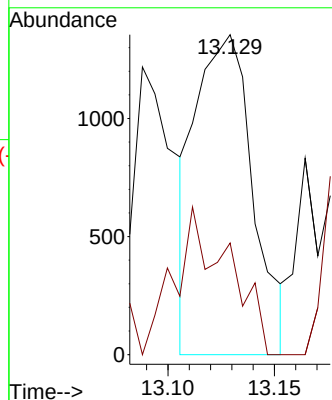
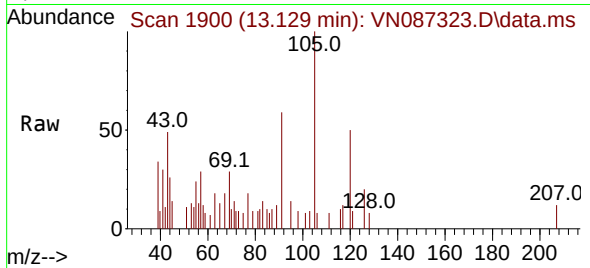




#75
2-Chlorotoluene
Concen: 0.297 ug/l
RT: 13.129 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

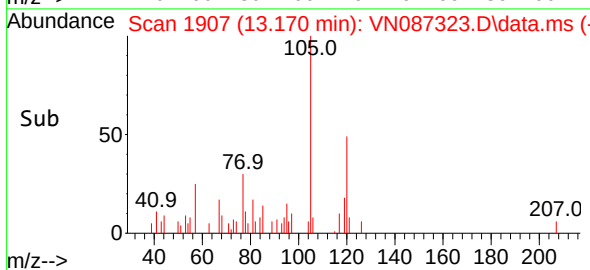
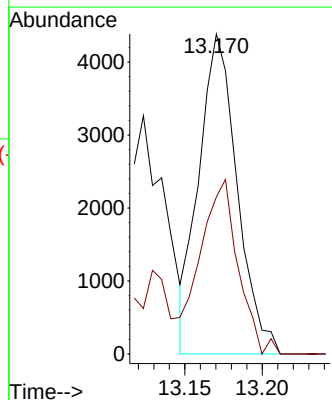
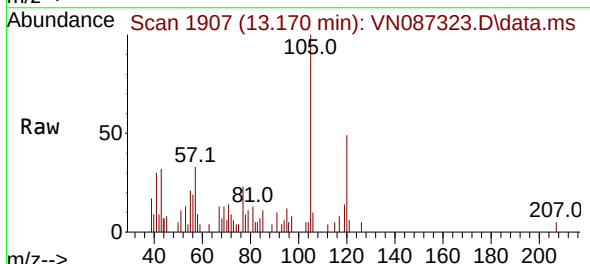
Instrument :
MSVOA_N
ClientSampleId :

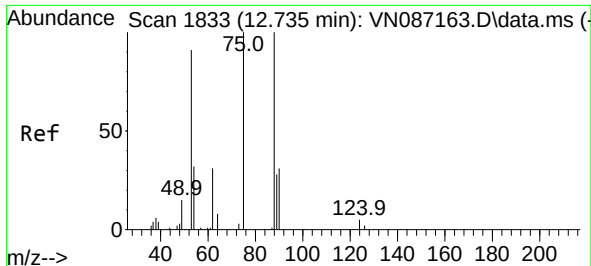
Tgt Ion: 91 Resp: 2542
Ion Ratio Lower Upper
91 100
126 19.1 0.0 63.8



#76
1,3,5-Trimethylbenzene
Concen: 0.797 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 105 Resp: 7528
Ion Ratio Lower Upper
105 100
120 54.5 0.0 100.8

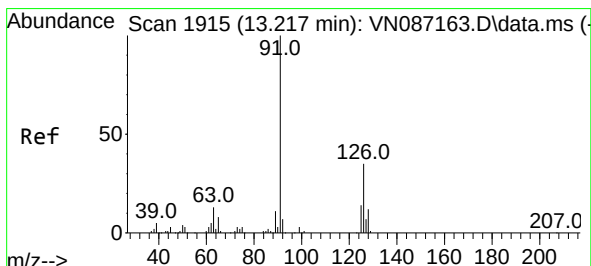
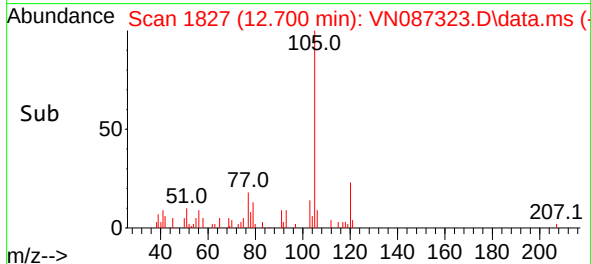
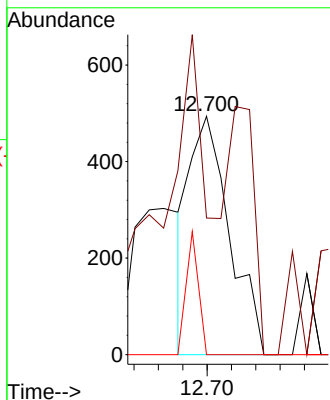
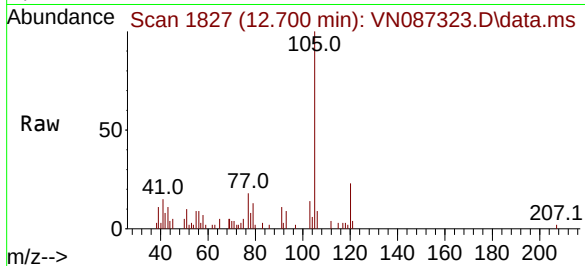




#77
t-1,4-Dichloro-2-butene
Concen: 0.352 ug/l
RT: 12.700 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

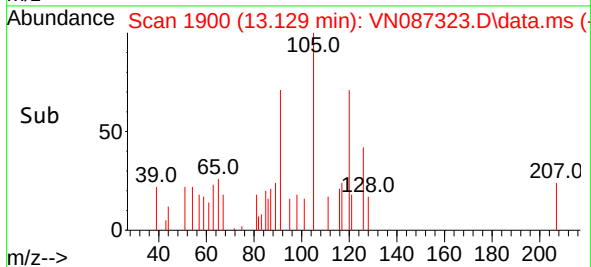
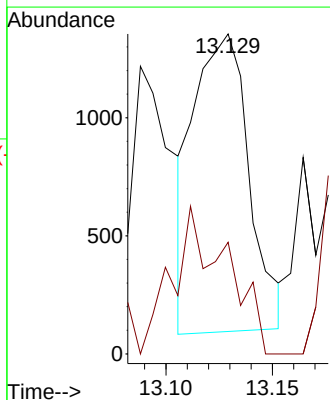
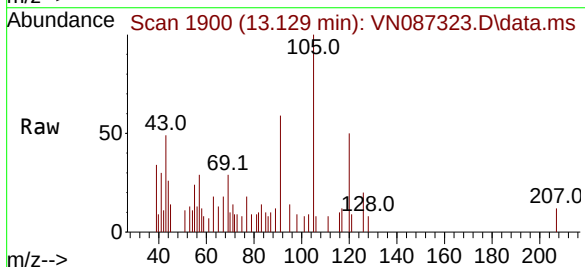
Instrument :
MSVOA_N
ClientSampleId :

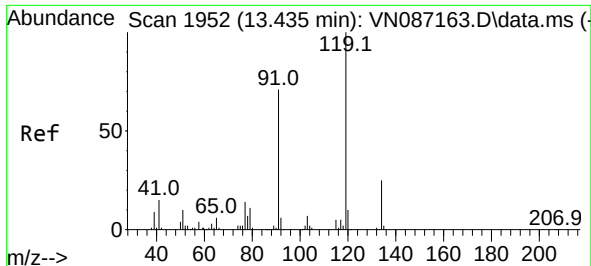
Tgt Ion: 75 Resp: 563
Ion Ratio Lower Upper
75 100
53 57.3 45.9 137.6
89 0.0 22.3 66.9#



#78
4-Chlorotoluene
Concen: 0.259 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.088 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 91 Resp: 2274
Ion Ratio Lower Upper
91 100
126 21.3 0.0 65.2

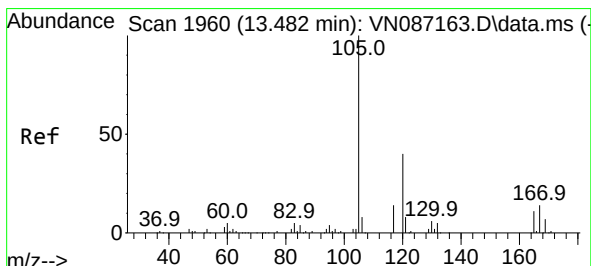
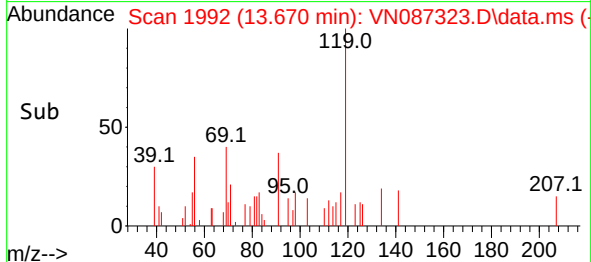
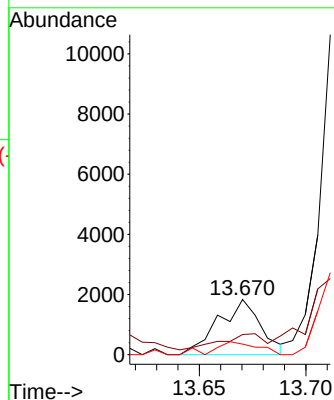
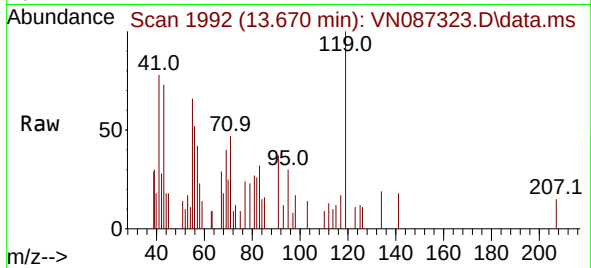




#79
tert-butylbenzene
Concen: 0.321 ug/l
RT: 13.670 min Scan# 1952
Delta R.T. 0.235 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

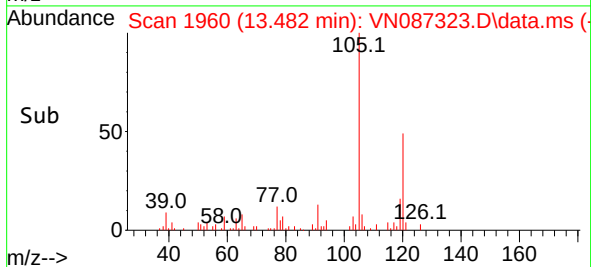
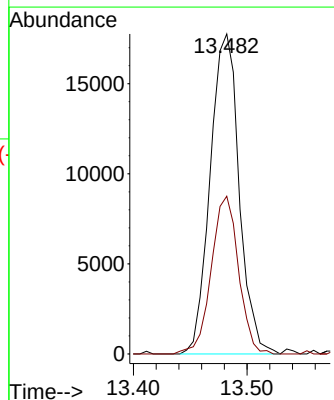
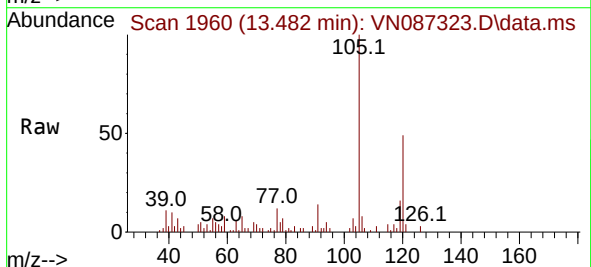
Instrument :
MSVOA_N
ClientSampleId :

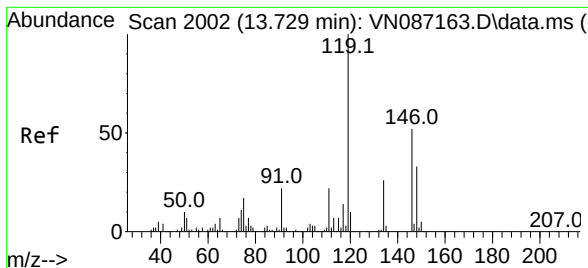
Tgt Ion:119 Resp: 2553
Ion Ratio Lower Upper
119 100
91 28.9 0.0 137.0
134 21.0 0.0 49.4



#80
1,2,4-Trimethylbenzene
Concen: 3.319 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion:105 Resp: 31501
Ion Ratio Lower Upper
105 100
120 46.3 0.0 94.0





#82

p-Isopropyltoluene

Concen: 5.096 ug/l

RT: 13.723 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN087323.D

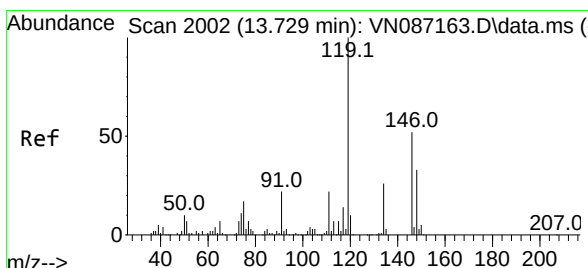
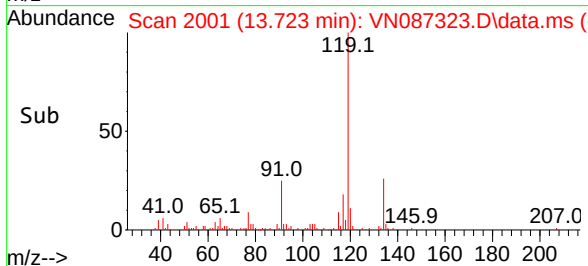
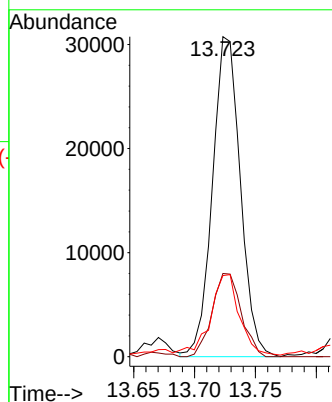
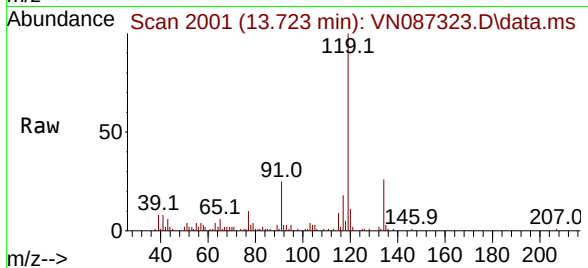
Acq: 10 Jul 2025 14:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:119	Resp:	48978
Ion Ratio	Lower	Upper
119	100	
134	27.0	0.0 51.2
91	25.0	0.0 46.4



#83

1,3-Dichlorobenzene

Concen: 4.578 ug/l

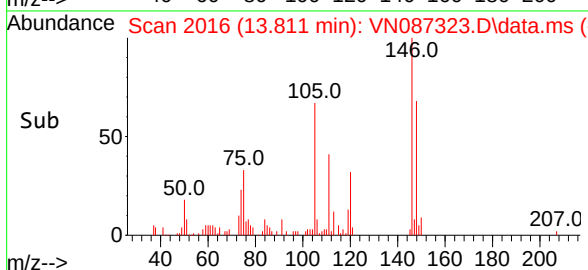
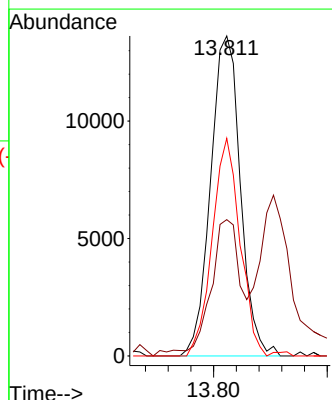
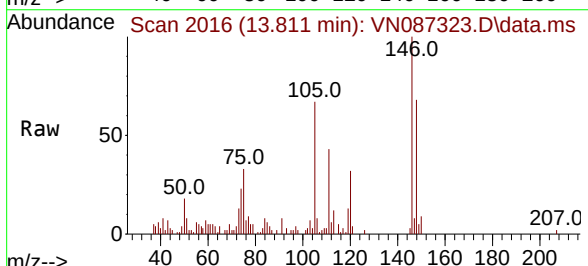
RT: 13.811 min Scan# 2016

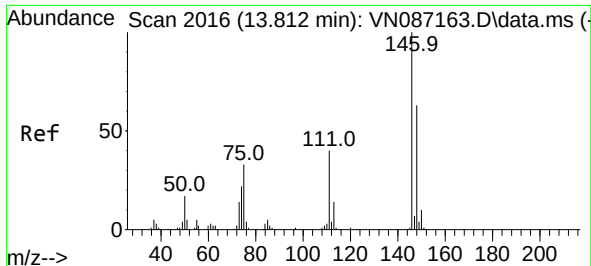
Delta R.T. 0.082 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

Tgt Ion:146	Resp:	24828
Ion Ratio	Lower	Upper
146	100	
111	39.3	21.1 63.3
148	63.4	31.6 94.8

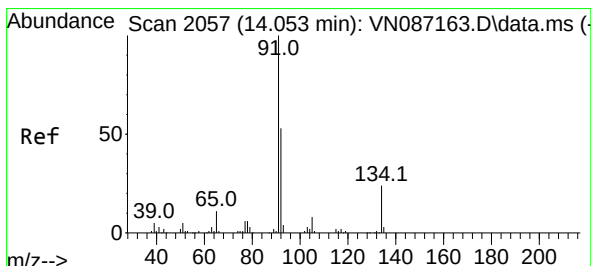
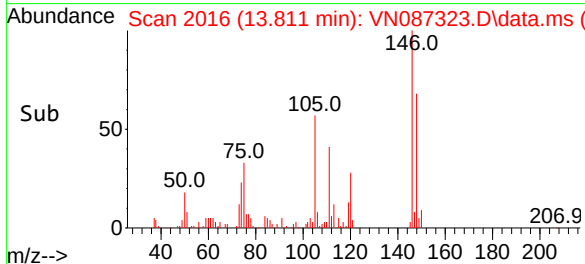
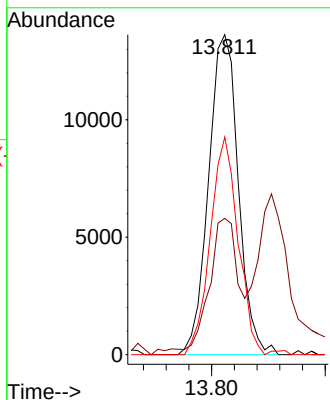
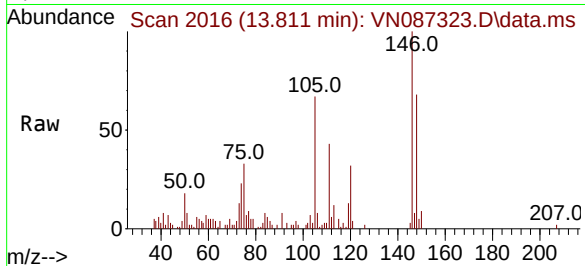




#84
1,4-Dichlorobenzene
Concen: 4.549 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

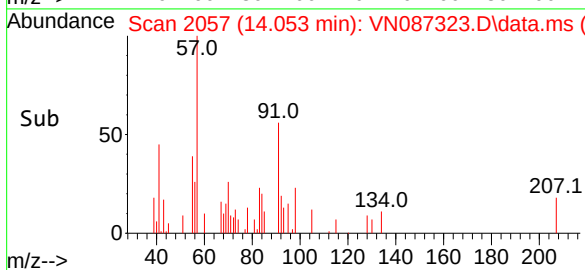
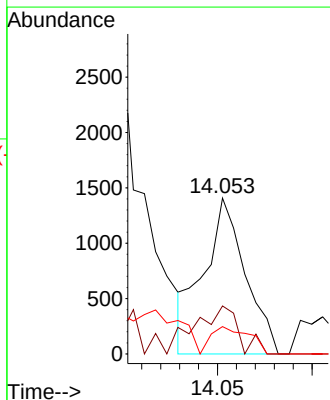
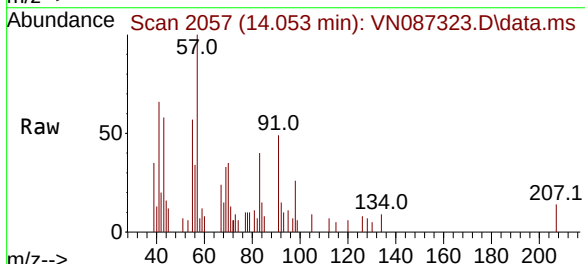
Instrument :
MSVOA_N
ClientSampleId :

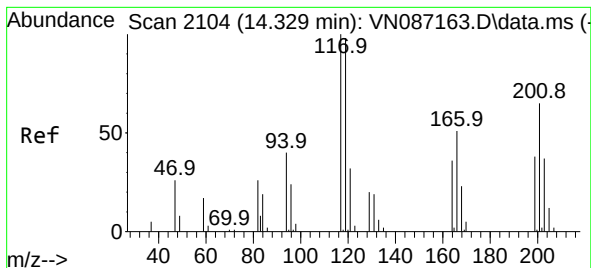
Tgt Ion:146 Resp: 24828
Ion Ratio Lower Upper
146 100
111 39.3 20.1 60.2
148 63.4 31.4 94.2



#85
n-Butylbenzene
Concen: 0.247 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087323.D
Acq: 10 Jul 2025 14:10

Tgt Ion: 91 Resp: 2163
Ion Ratio Lower Upper
91 100
92 29.7 0.0 106.4
134 16.0 0.0 48.8





#86

Hexachloroethane

Concen: 0.213 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

Instrument :

MSVOA_N

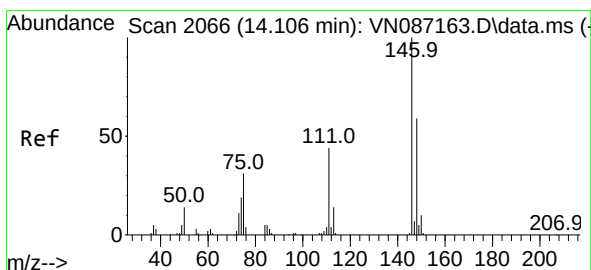
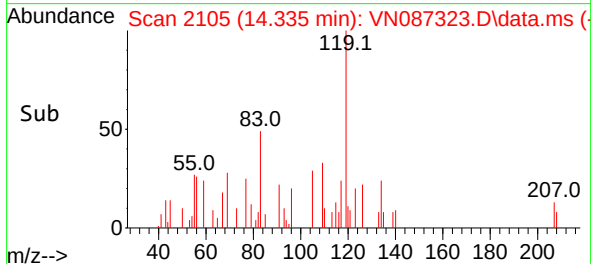
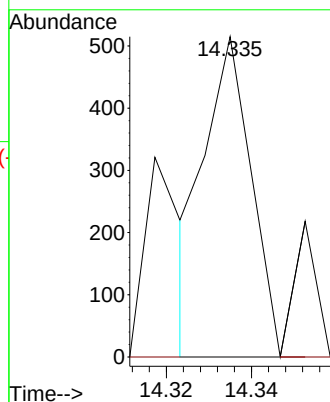
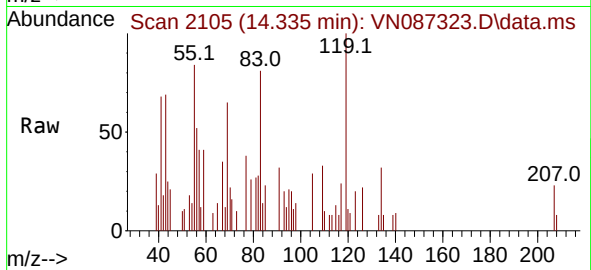
ClientSampleId :

Tgt Ion:117 Resp: 387

Ion Ratio Lower Upper

117 100

201 0.0 30.8 92.3#



#87

1,2-Dichlorobenzene

Concen: 4.856 ug/l

RT: 13.811 min Scan# 2016

Delta R.T. -0.294 min

Lab File: VN087323.D

Acq: 10 Jul 2025 14:10

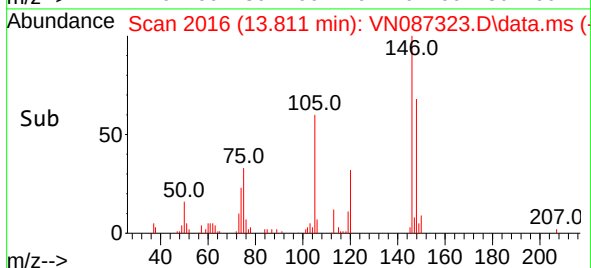
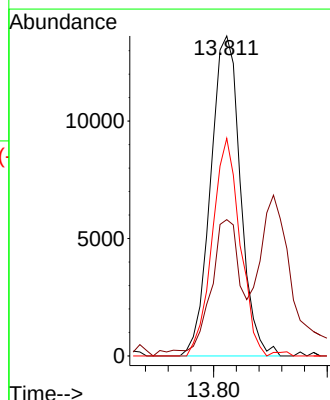
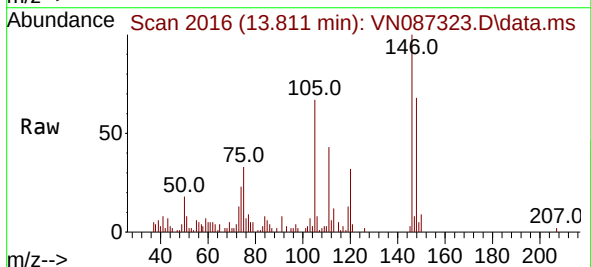
Tgt Ion:146 Resp: 24828

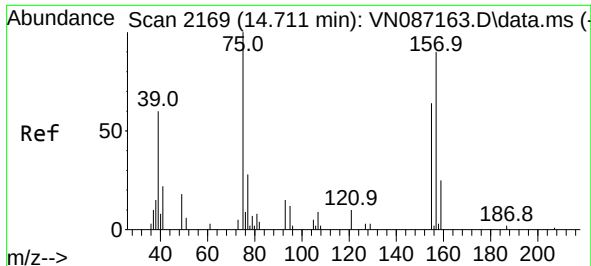
Ion Ratio Lower Upper

146 100

111 40.0 22.1 66.1

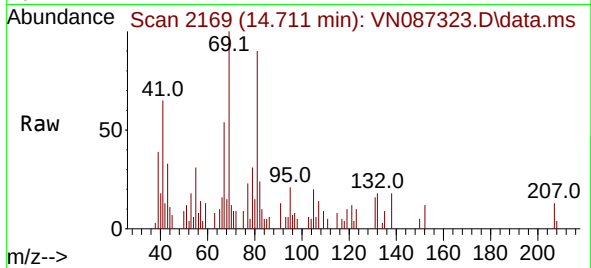
148 63.4 31.6 95.0



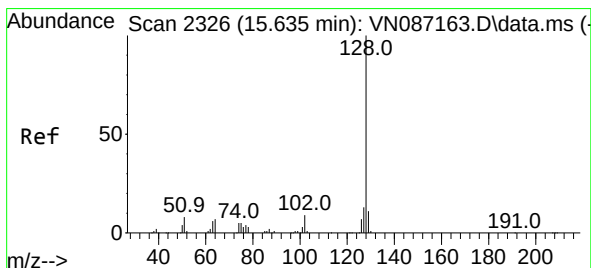
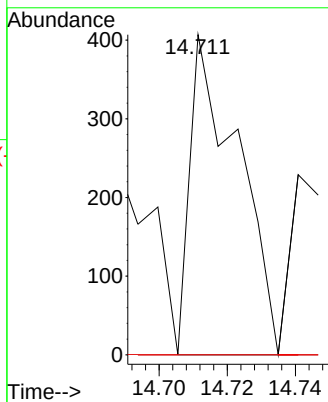
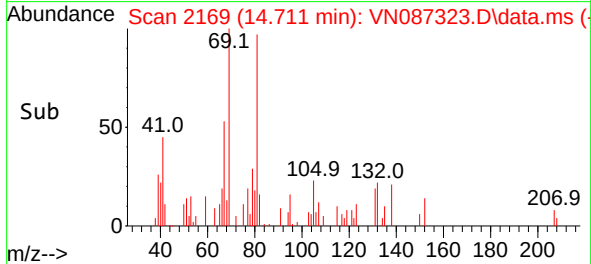


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.423 ug/l
 RT: 14.711 min Scan# 2169
 Delta R.T. -0.000 min
 Lab File: VN087323.D
 Acq: 10 Jul 2025 14:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 398
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.3 87.5#
 157 0.0 79.2 118.8#



#91
 Naphthalene
 Concen: 44.390 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.000 min
 Lab File: VN087323.D
 Acq: 10 Jul 2025 14:10

Tgt Ion: 128 Resp: 505411
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.6 15.8
 129 11.2 8.8 13.2

