

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087454.D
 Acq On : 05 Aug 2025 14:19
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Aug 06 01:28:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 01:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	76249	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	418905	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	385657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	211654	30.095	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.333%	
60) 4-Bromofluorobenzene	12.829	95	201264	30.325	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.067%	
63) Toluene-d8	10.547	98	534559	30.124	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	234078	47.020	ug/l	97
3) Chloromethane	2.383	50	229410	44.915	ug/l	98
4) Vinyl Chloride	2.542	62	242082	44.687	ug/l	93
5) Bromomethane	2.977	94	136035	46.393	ug/l	84
6) Chloroethane	3.136	64	153939	44.067	ug/l	98
7) Trichlorofluoromethane	3.506	101	344998	44.251	ug/l	96
8) Diethyl Ether	3.959	74	147110	45.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	176341	44.354	ug/l	88
10) 1,1-Dichloroethene	4.336	96	182951	43.809	ug/l	94
11) Methyl Iodide	4.577	142	154678	47.274	ug/l	99
12) Methyl Acetate	5.012	43	351071	45.556	ug/l	98
13) Acrolein	4.177	56	262498	223.074	ug/l	96
14) Acrylonitrile	5.706	53	757874	225.213	ug/l	100
15) Acetone	4.424	58	212947	221.472	ug/l	95
16) Carbon Disulfide	4.700	76	576164	44.477	ug/l	98
17) Allyl chloride	5.012	41	392451	46.106	ug/l	97
18) Methylene Chloride	5.265	84	239778	44.610	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	219724	44.245	ug/l	98
20) Diisopropyl ether	6.659	45	877578	45.278	ug/l	96
21) 1,1-Dichloroethane	6.553	63	453264	45.221	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	273116	44.697	ug/l	99
23) tert-Butyl Alcohol	5.518	59	323387	226.154	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	859723	45.179	ug/l	99
25) Chloroform	7.947	83	475045	45.405	ug/l	98
26) Cyclohexane	8.241	56	361178	45.006	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	310679	45.472	ug/l	97
30) 2-Butanone	7.471	43	1165660	231.454	ug/l	99
31) 2,2-Dichloropropane	7.471	77	402451	45.671	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	398348	45.714	ug/l	97
33) Carbon Tetrachloride	8.347	117	330997	45.723	ug/l	98
34) Benzene	8.588	78	984335	45.639	ug/l	99
35) Methacrylonitrile	7.765	41	260104	47.860	ug/l	99
36) 1,2-Dichloroethane	8.653	62	393795	45.169	ug/l	98
37) Trichloroethene	9.335	130	217082	45.693	ug/l	95
38) Methylcyclohexane	9.582	83	357253	45.072	ug/l	99
39) 1,2-Dichloropropane	9.600	63	249627	45.142	ug/l	97
40) Dibromomethane	9.688	93	187857	45.278	ug/l	97
41) Bromodichloromethane	9.871	83	391953	45.463	ug/l	98
42) Vinyl Acetate	6.589	43	3796699	228.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	436753	45.558	ug/l	96
44) Isopropyl Acetate	8.677	43	755567	45.813	ug/l	99
45) 1,4-Dioxane	9.682	88	98035	932.433	ug/l	97
46) Methyl methacrylate	9.665	41	351323	45.128	ug/l	98
48) t-1,3-Dichloropropene	10.818	75	431587	46.014	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	439121	46.521	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	240010	45.786	ug/l	98
51) Ethyl methacrylate	10.853	69	435415	47.164	ug/l	97
52) 1,3-Dichloropropane	11.141	76	433869	45.941	ug/l	98
53) Dibromochloromethane	11.335	129	280542	46.341	ug/l	100
54) 1,2-Dibromoethane	11.447	107	254243	45.688	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	1118997	230.244	ug/l	100
56) Bromoform	12.559	173	186820	46.656	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	2290380	230.864	ug/l	99
59) 2-Hexanone	11.177	43	1620747	240.439	ug/l	100
61) Tetrachloroethene	11.082	164	173500	46.177	ug/l	93
62) Toluene	10.612	91	1085878	45.620	ug/l	99
64) Chlorobenzene	11.871	112	662306	45.283	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	233942	45.493	ug/l	98
66) Ethyl Benzene	11.941	91	1215937	45.832	ug/l	98
67) m/p-Xylenes	12.047	106	902756	92.702	ug/l	97
68) o-Xylene	12.376	106	437515	45.667	ug/l	99
69) Styrene	12.388	104	759493	46.428	ug/l	99
70) Isopropylbenzene	12.676	105	1111500	45.666	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	379527	45.508	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	525215	61.267	ug/l	53
73) Bromobenzene	12.959	156	255773	45.330	ug/l	99
74) n-propylbenzene	13.012	91	1391658	45.781	ug/l	99
75) 2-Chlorotoluene	13.106	91	853763	45.659	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	961117	46.118	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	141496	48.111	ug/l	93
78) 4-Chlorotoluene	13.200	91	875292	46.192	ug/l	99
79) tert-butylbenzene	13.418	119	813723	46.311	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	971243	46.640	ug/l	100
81) sec-Butylbenzene	13.594	105	1188558	46.465	ug/l	100
82) p-Isopropyltoluene	13.706	119	982310	46.251	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	499720	46.509	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	507658	46.603	ug/l	99
85) n-Butylbenzene	14.035	91	972192	46.785	ug/l	99
86) Hexachloroethane	14.312	117	192686	46.458	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	482093	47.005	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	95570	45.236	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	279770	45.643	ug/l	99
90) Hexachlorobutadiene	15.476	225	106360	44.624	ug/l	97
91) Naphthalene	15.611	128	1076915	46.078	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	279770	45.643	ug/l	99

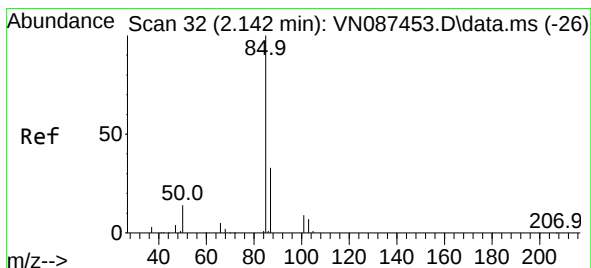
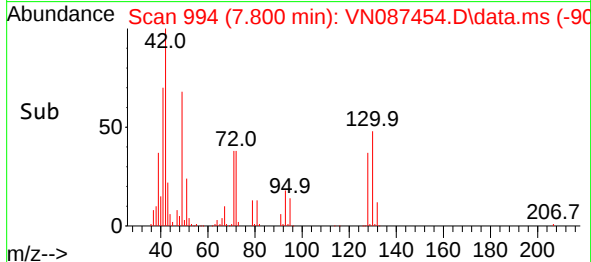
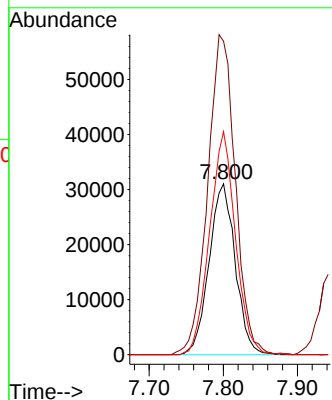
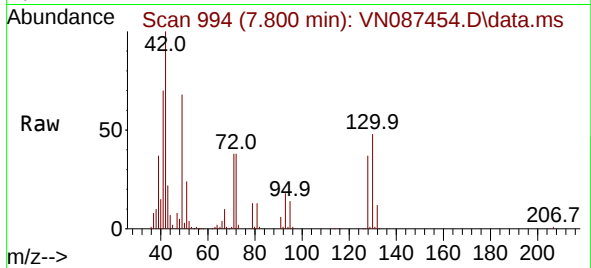
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

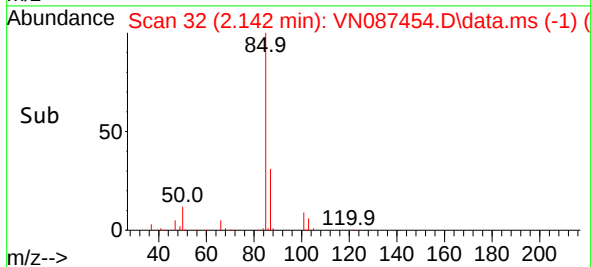
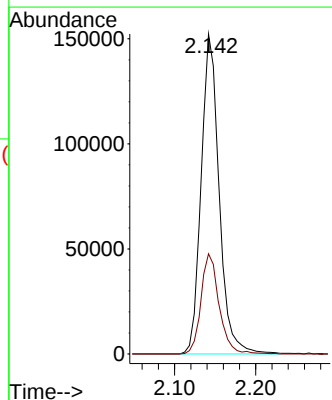
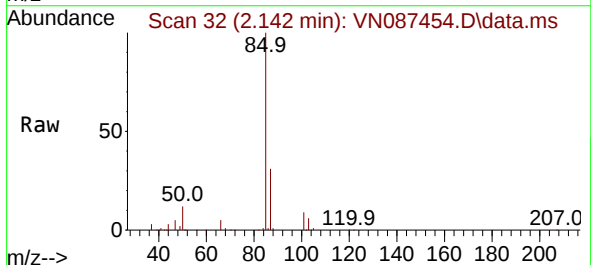
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

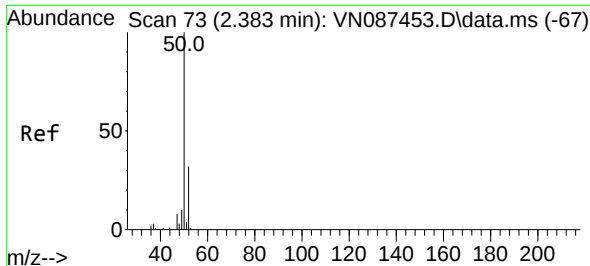
Tgt Ion:128 Resp: 76249
Ion Ratio Lower Upper
128 100
49 197.4 0.0 494.8
130 128.9 0.0 321.5



#2
Dichlorodifluoromethane
Concen: 47.020 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 85 Resp: 234078
Ion Ratio Lower Upper
85 100
87 31.3 16.4 49.2

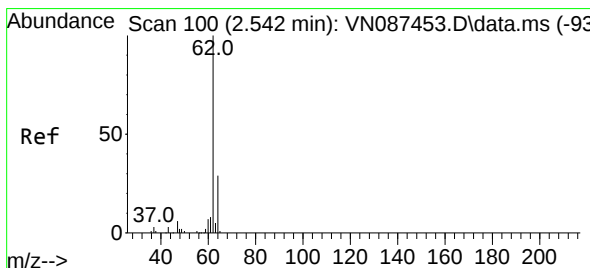
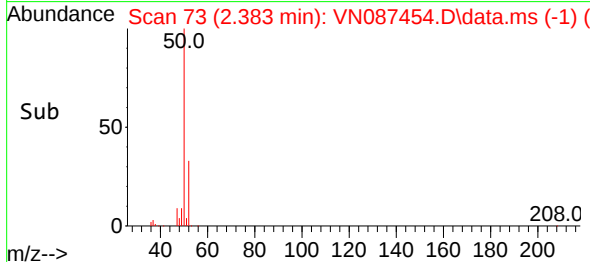
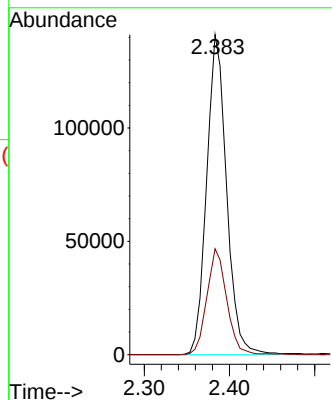
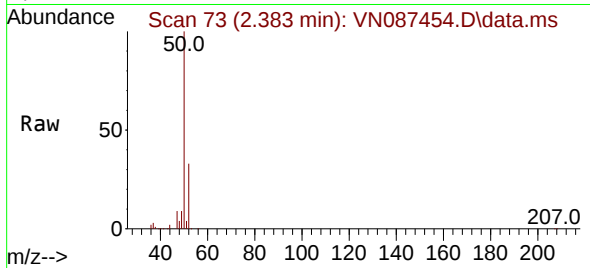




#3
Chloromethane
Concen: 44.915 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

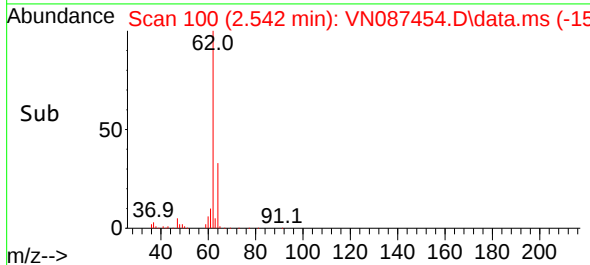
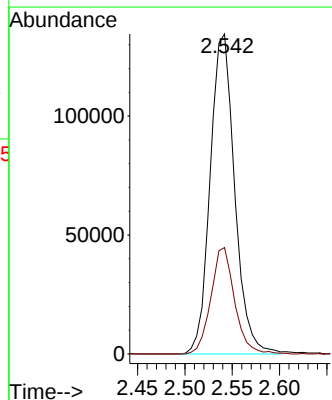
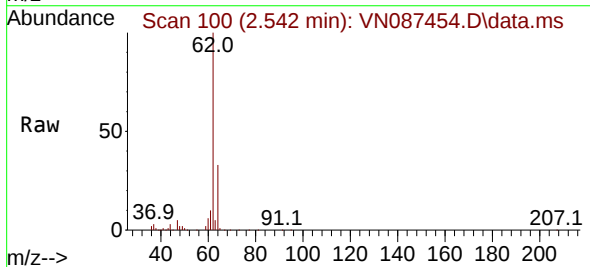
Instrument :
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VSTDIC050

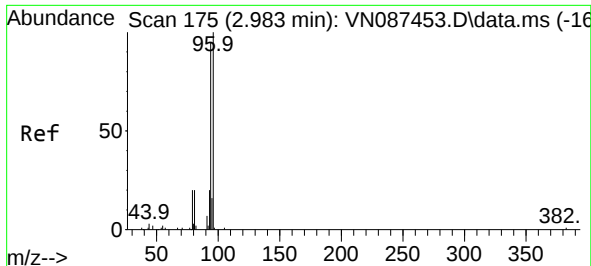
Tgt Ion: 50 Resp: 229410
Ion Ratio Lower Upper
50 100
52 33.1 25.8 38.6



#4
Vinyl Chloride
Concen: 44.687 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 62 Resp: 242082
Ion Ratio Lower Upper
62 100
64 33.3 23.4 35.2

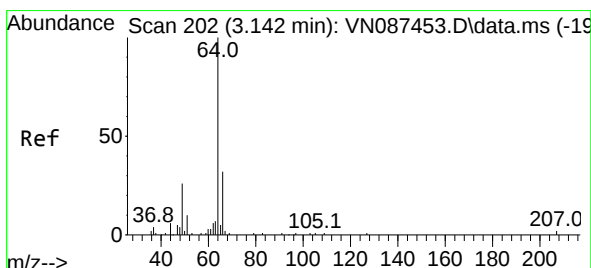
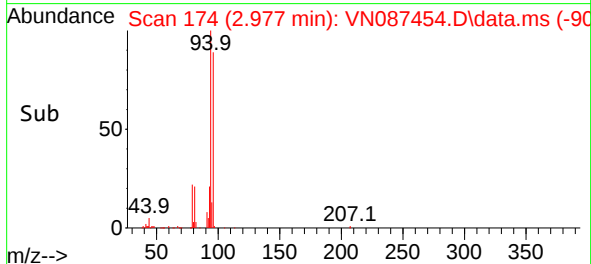
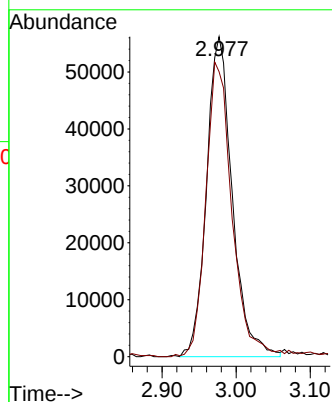
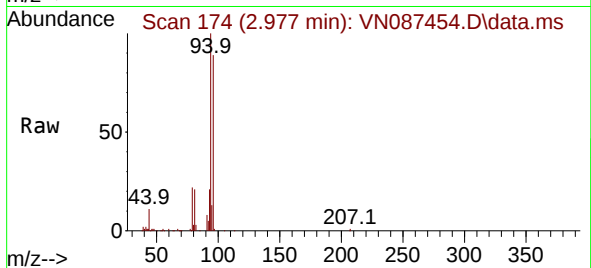




#5
Bromomethane
Concen: 46.393 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

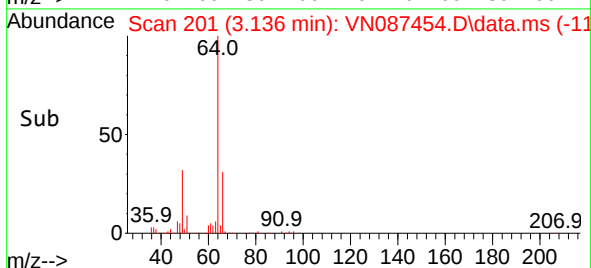
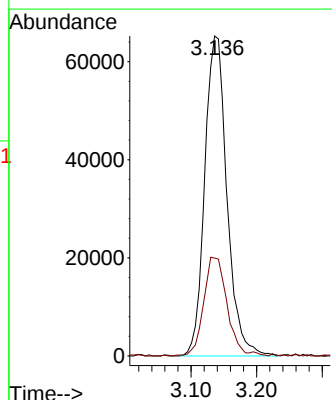
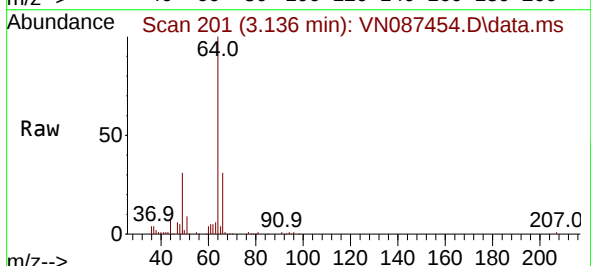
Instrument :
MSVOA_N
ClientSampleId :
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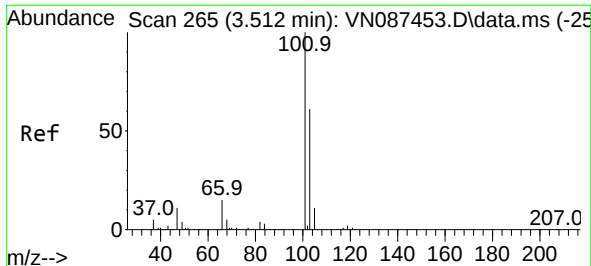
Tgt Ion: 94 Resp: 136035
Ion Ratio Lower Upper
94 100
96 88.7 84.2 126.4



#6
Chloroethane
Concen: 44.067 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 64 Resp: 153939
Ion Ratio Lower Upper
64 100
66 30.3 25.4 38.0

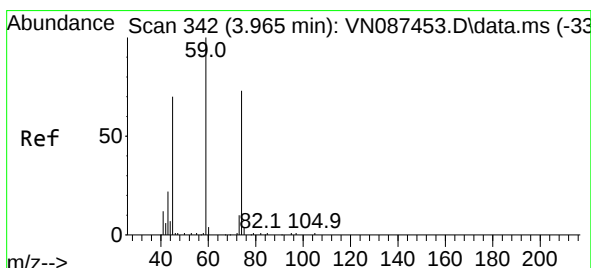
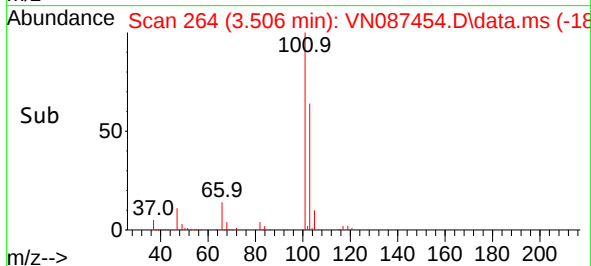
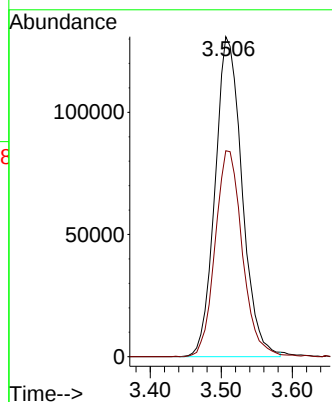
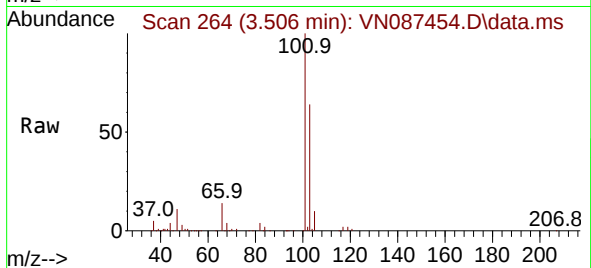




#7
 Trichlorofluoromethane
 Concen: 44.251 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

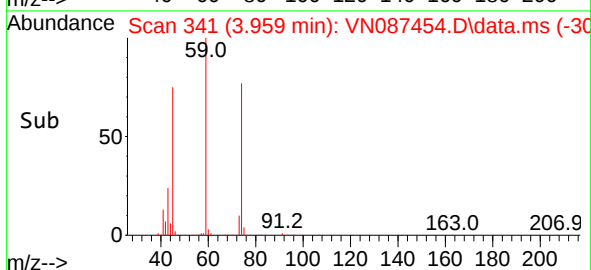
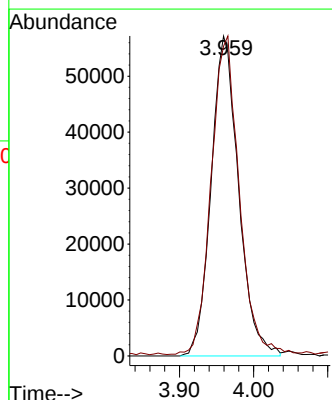
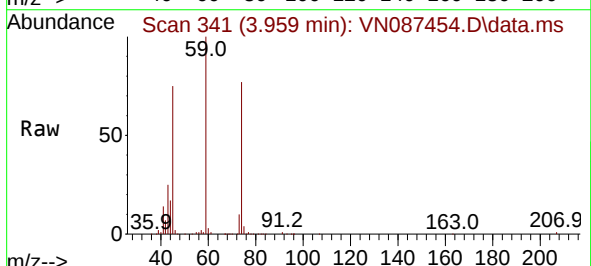
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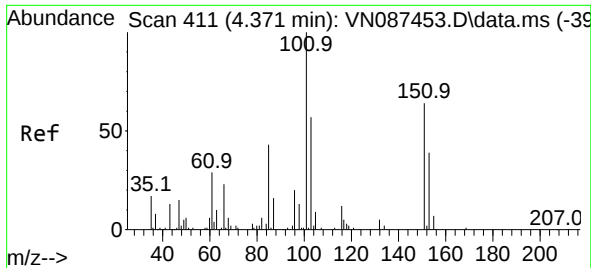
Tgt Ion:101 Resp: 344998
 Ion Ratio Lower Upper
 101 100
 103 64.3 49.2 73.8



#8
 Diethyl Ether
 Concen: 45.292 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 74 Resp: 147110
 Ion Ratio Lower Upper
 74 100
 45 99.5 20.1 180.9

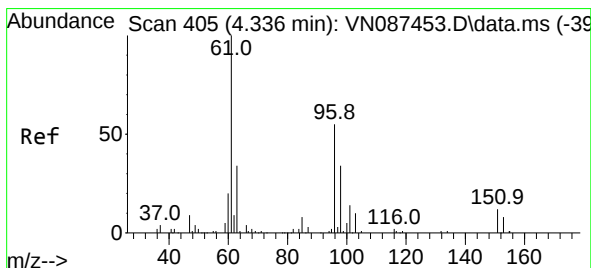
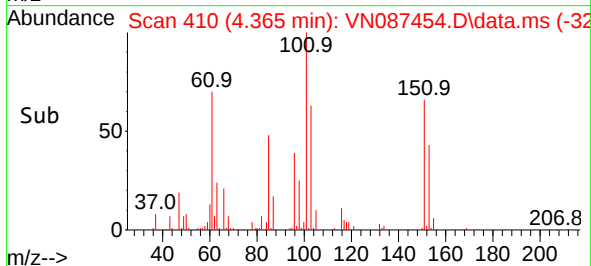
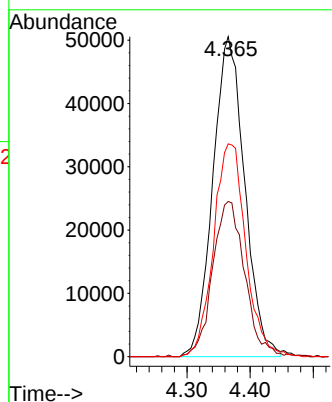
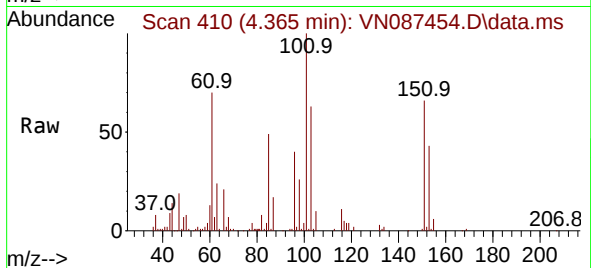




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.354 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

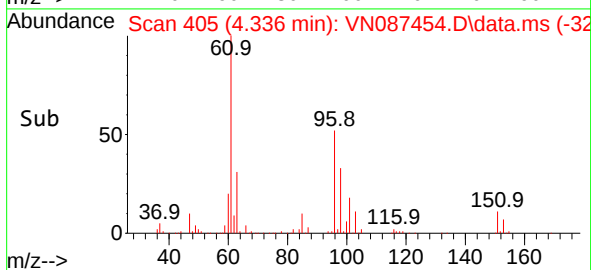
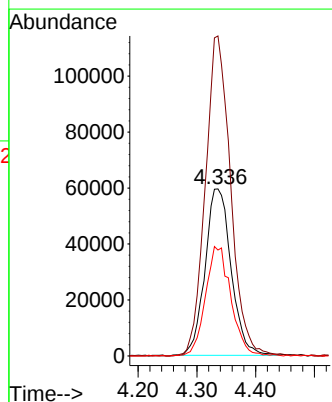
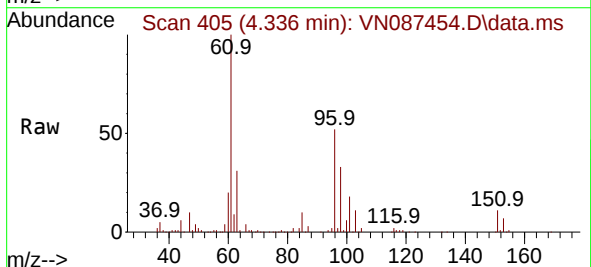
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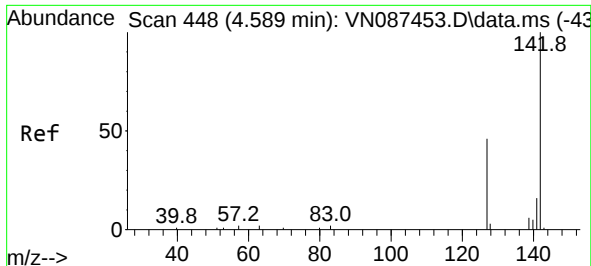
Tgt Ion:101 Resp: 176341
Ion Ratio Lower Upper
101 100
85 48.9 0.0 57.0
151 67.5 0.0 134.2



#10
1,1-Dichloroethene
Concen: 43.809 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 96 Resp: 182951
Ion Ratio Lower Upper
96 100
61 191.2 144.2 216.4
98 63.4 49.7 74.5

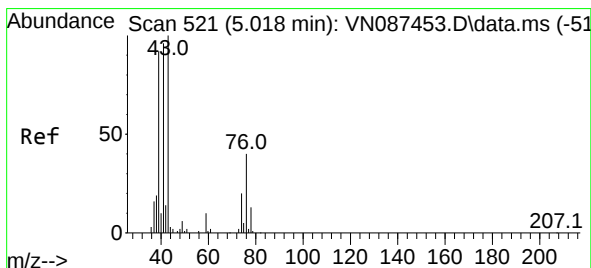
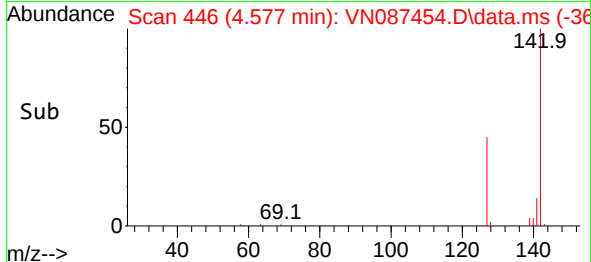
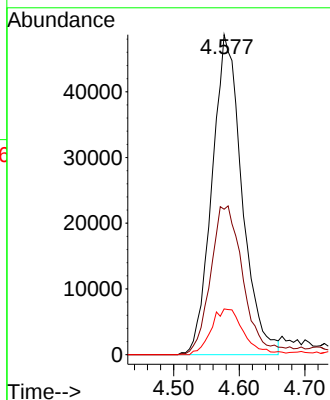
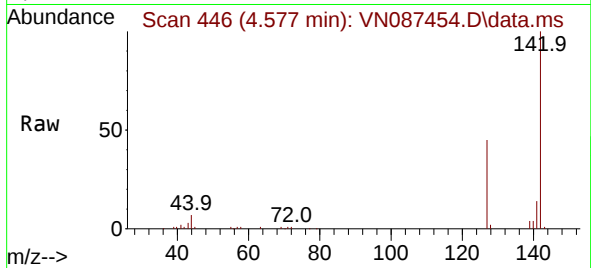




#11
Methyl Iodide
Concen: 47.274 ug/l
RT: 4.577 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

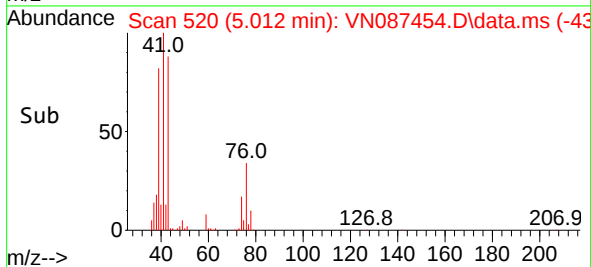
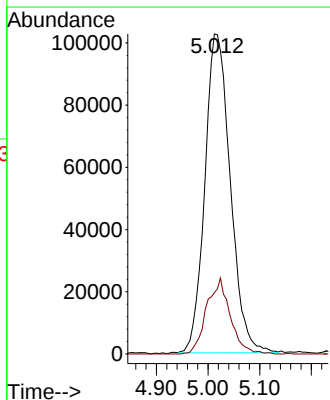
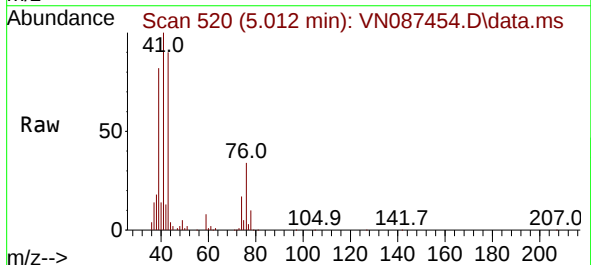
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:142 Resp: 154678
Ion Ratio Lower Upper
142 100
127 45.2 22.9 68.7
141 14.1 7.7 23.1



#12
Methyl Acetate
Concen: 45.556 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 43 Resp: 351071
Ion Ratio Lower Upper
43 100
74 19.2 16.0 24.0

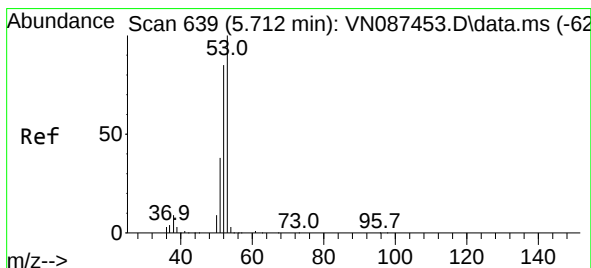
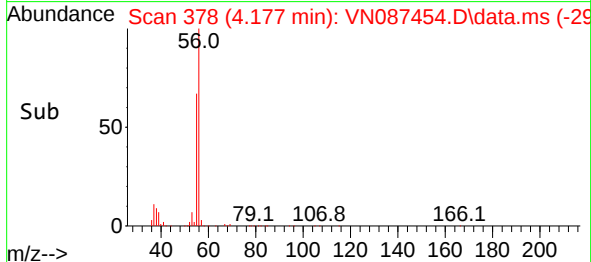
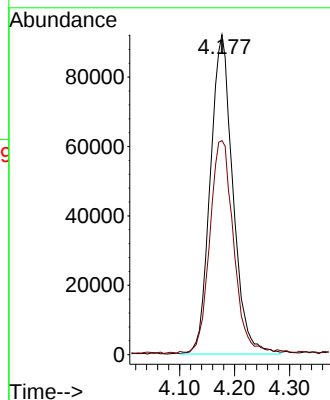
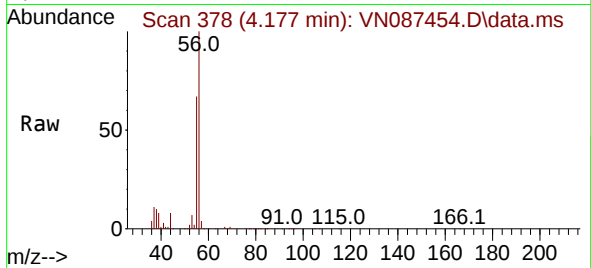




#13
Acrolein
Concen: 223.074 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

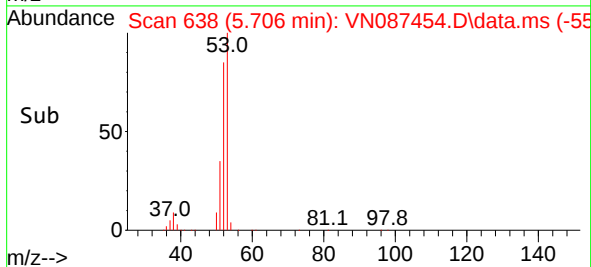
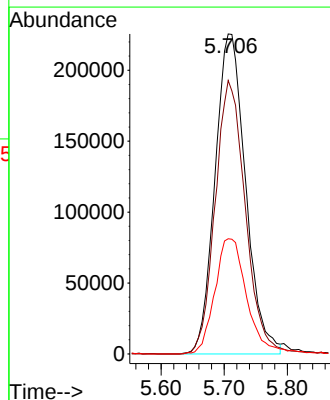
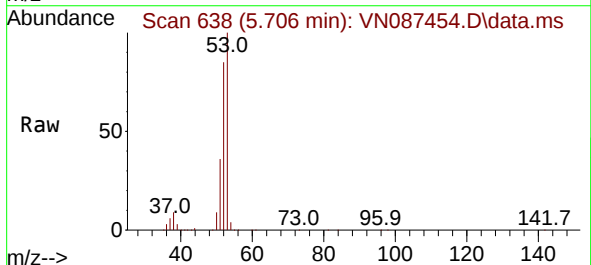
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 56 Resp: 262498
Ion Ratio Lower Upper
56 100
55 68.0 57.4 86.0



#14
Acrylonitrile
Concen: 225.213 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 53 Resp: 757874
Ion Ratio Lower Upper
53 100
52 84.5 42.4 127.2
51 37.4 18.5 55.5

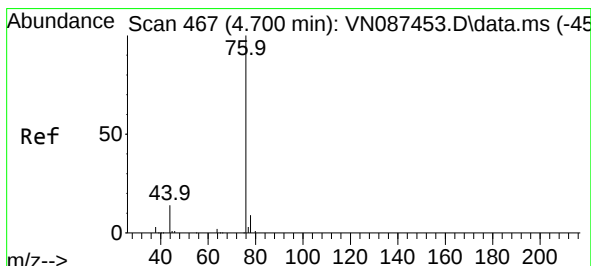
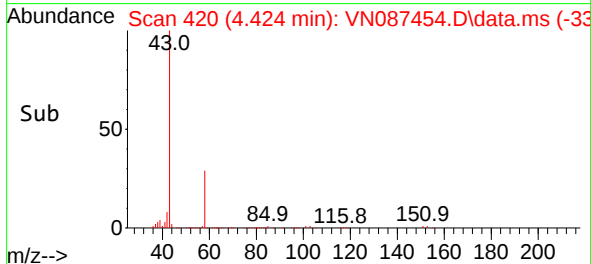
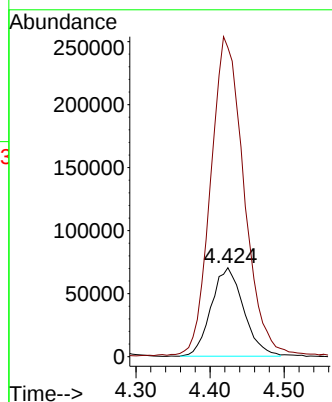
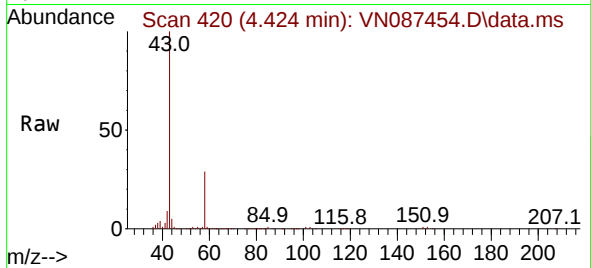




#15
Acetone
Concen: 221.472 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

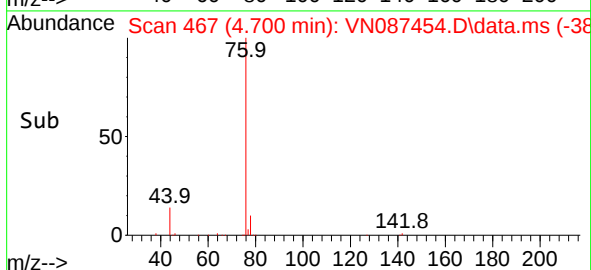
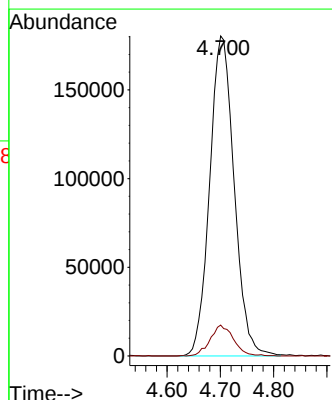
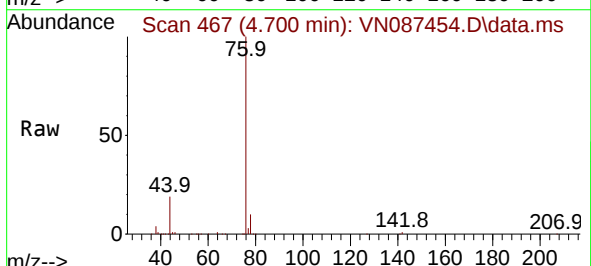
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 58 Resp: 212947
Ion Ratio Lower Upper
58 100
43 345.9 268.9 403.3



#16
Carbon Disulfide
Concen: 44.477 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 76 Resp: 576164
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7

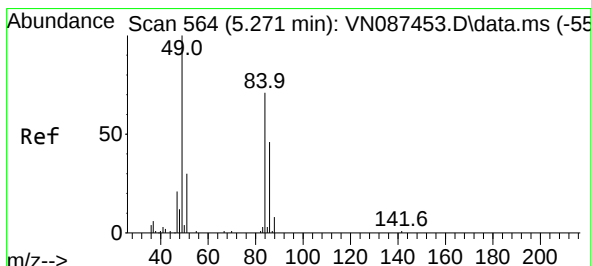
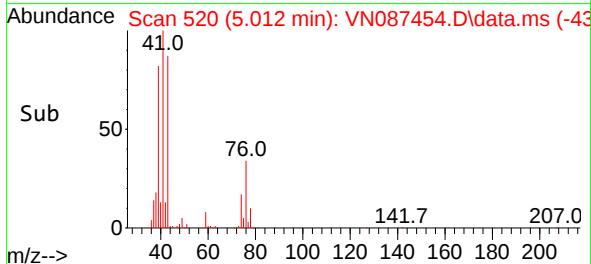
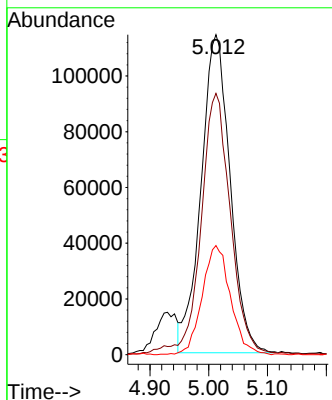
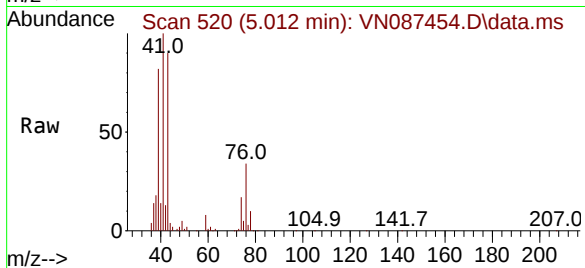




#17
 Allyl chloride
 Concen: 46.106 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

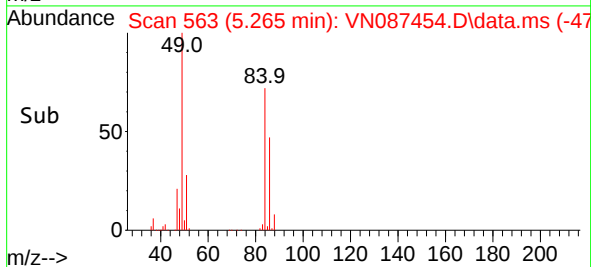
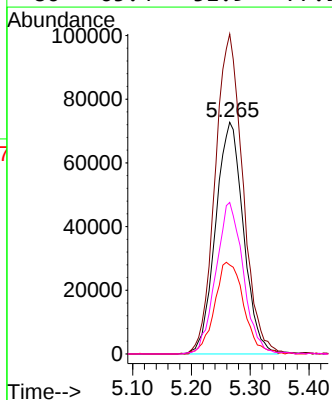
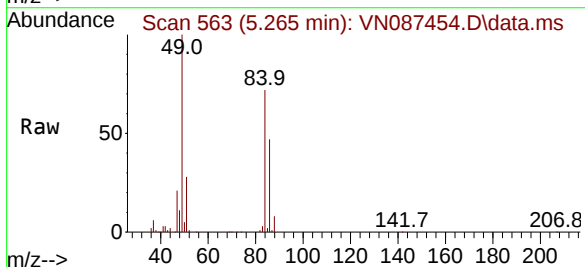
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

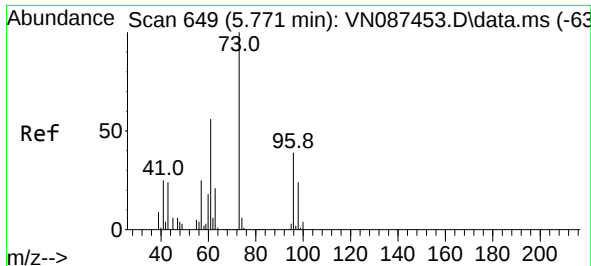
Tgt Ion: 41 Resp: 392451
 Ion Ratio Lower Upper
 41 100
 39 81.6 42.4 127.2
 76 34.1 16.9 50.6



#18
 Methylene Chloride
 Concen: 44.610 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 84 Resp: 239778
 Ion Ratio Lower Upper
 84 100
 49 138.1 112.9 169.3
 51 38.4 33.8 50.8
 86 65.4 51.9 77.9

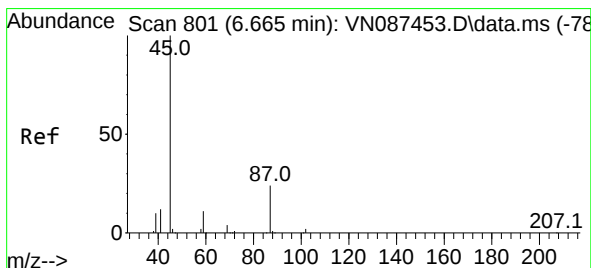
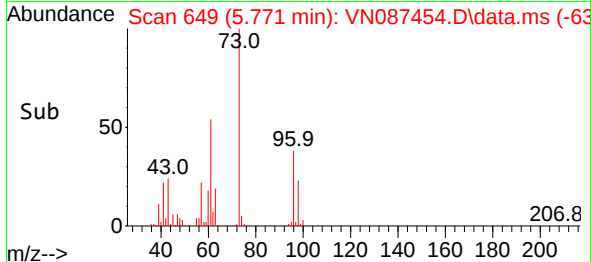
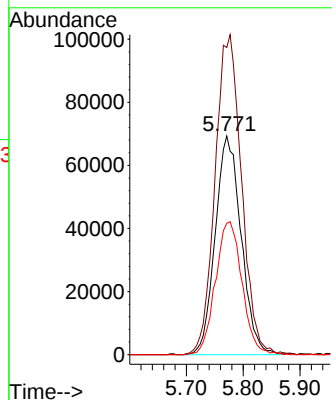
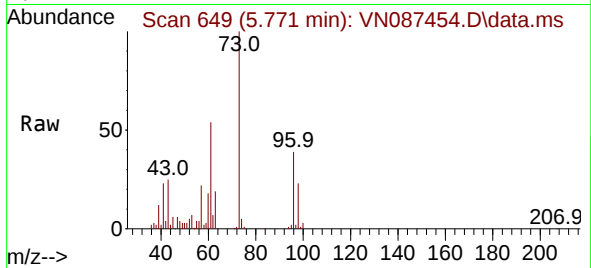




#19
trans-1,2-Dichloroethene
Concen: 44.245 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

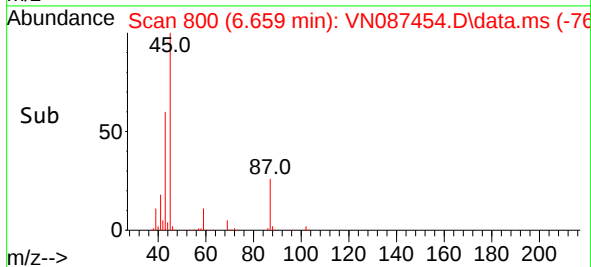
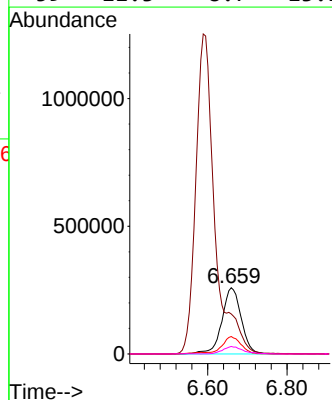
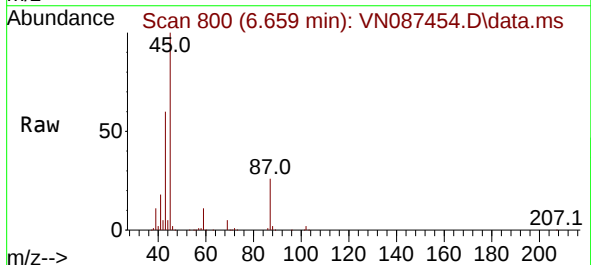
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 96 Resp: 219724
Ion Ratio Lower Upper
96 100
61 140.4 114.2 171.4
98 60.1 48.7 73.1



#20
Diisopropyl ether
Concen: 45.278 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 45 Resp: 877578
Ion Ratio Lower Upper
45 100
43 59.5 44.7 67.1
87 26.2 20.2 30.2
59 11.3 8.7 13.1

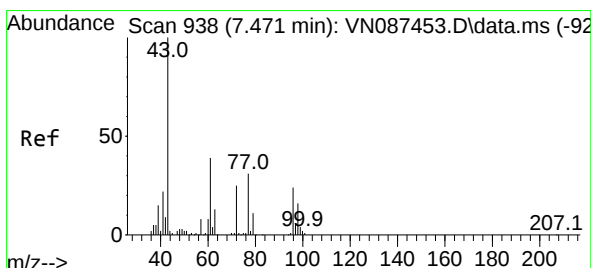
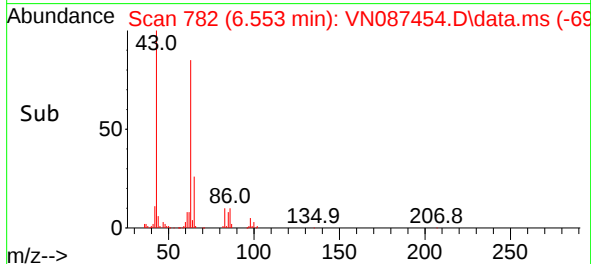
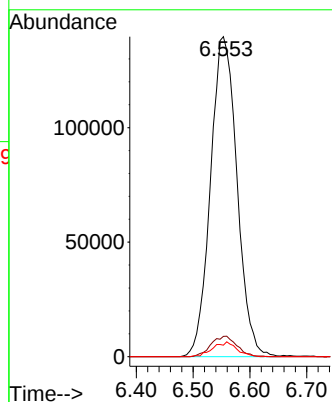
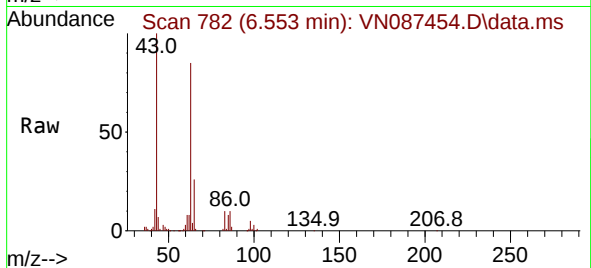




#21
1,1-Dichloroethane
Concen: 45.221 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

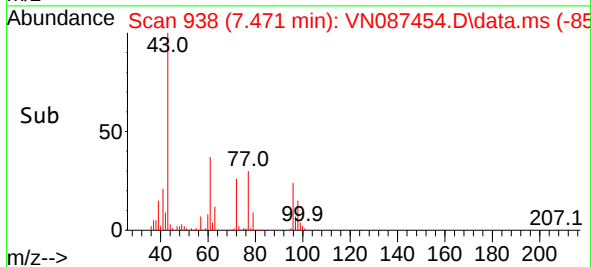
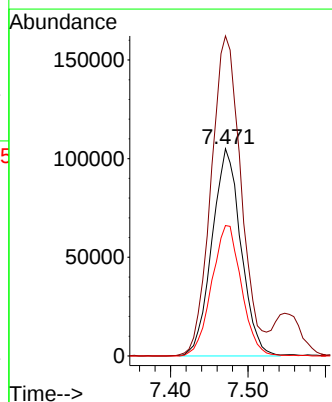
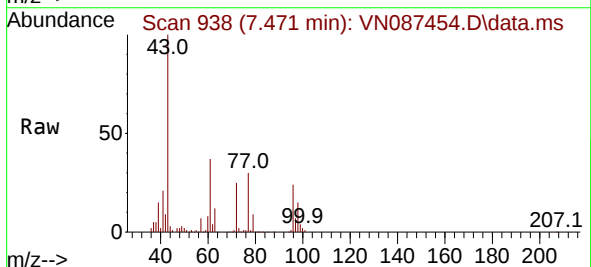
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

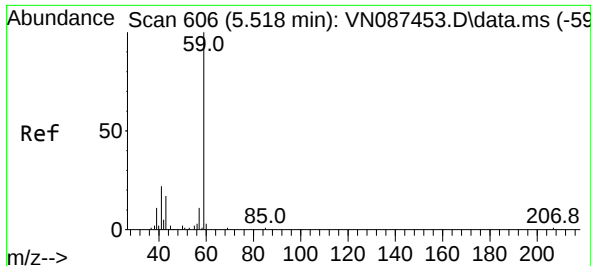
Tgt Ion: 63 Resp: 453264
Ion Ratio Lower Upper
63 100
98 6.3 3.0 9.0
100 3.6 1.9 5.7



#22
cis-1,2-Dichloroethene
Concen: 44.697 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 96 Resp: 273116
Ion Ratio Lower Upper
96 100
61 160.2 126.6 190.0
98 64.4 50.9 76.3

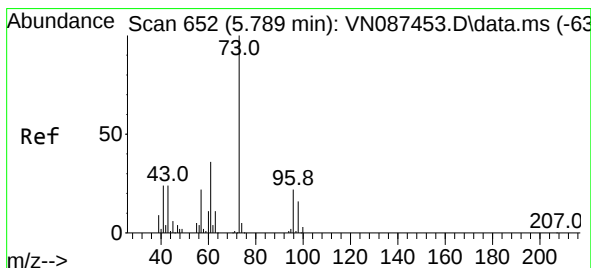
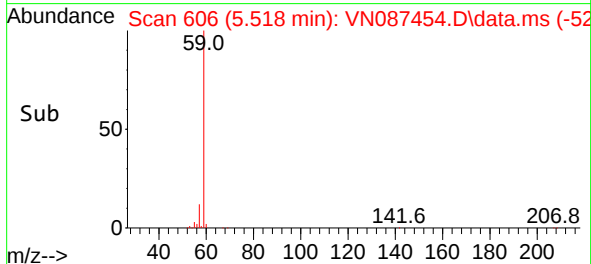
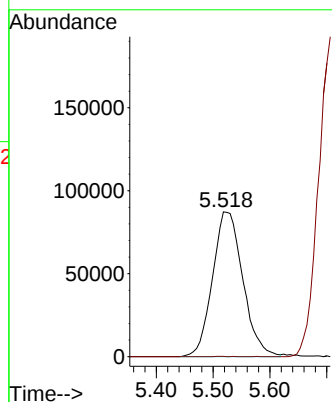
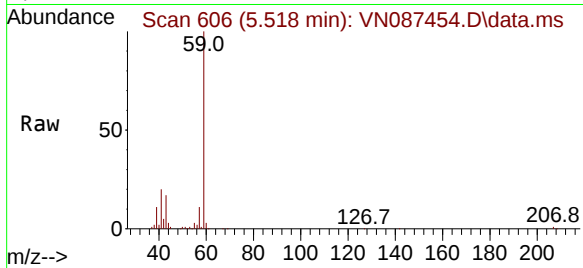




#23
tert-Butyl Alcohol
Concen: 226.154 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

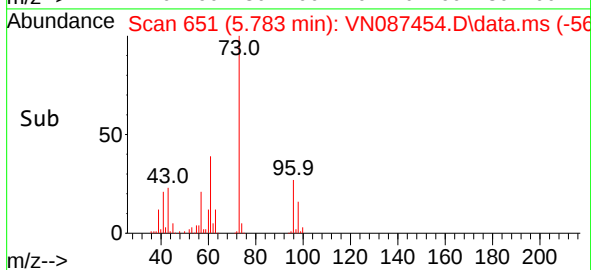
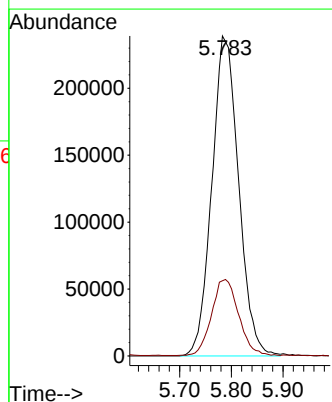
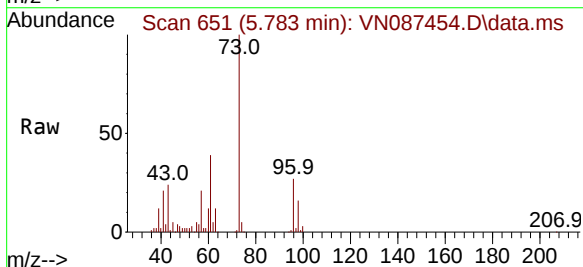
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

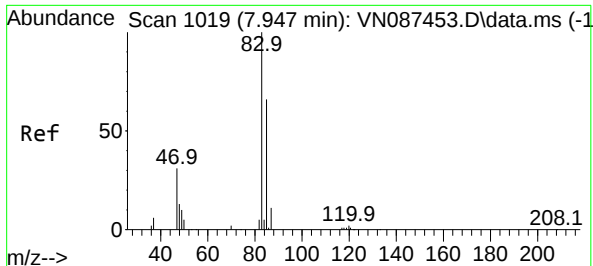
Tgt Ion: 59 Resp: 323387
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 45.179 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 73 Resp: 859723
Ion Ratio Lower Upper
73 100
43 24.2 19.9 29.9





#25

Chloroform

Concen: 45.405 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

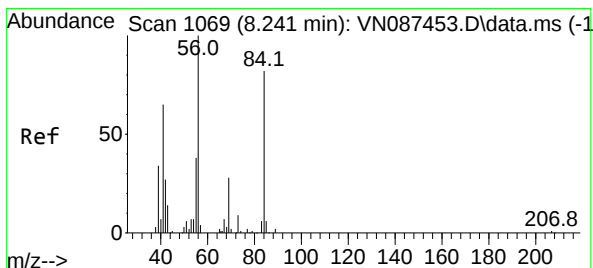
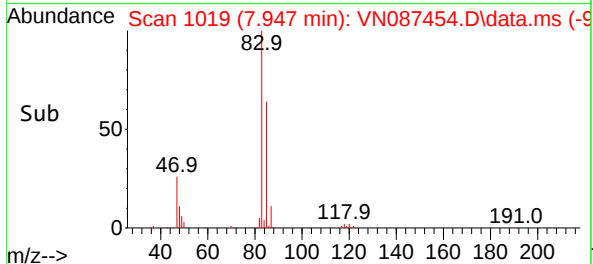
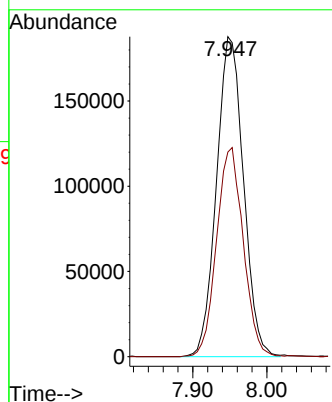
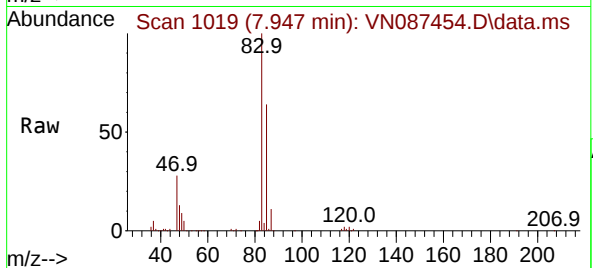
VSTDIC050

Tgt Ion: 83 Resp: 475045

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8



#26

Cyclohexane

Concen: 45.006 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

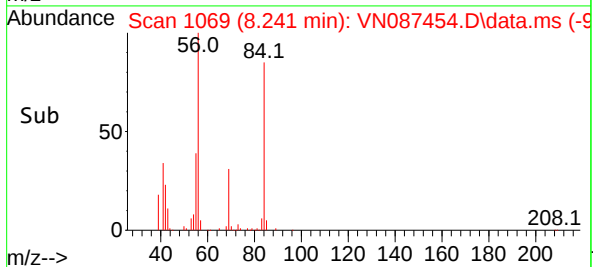
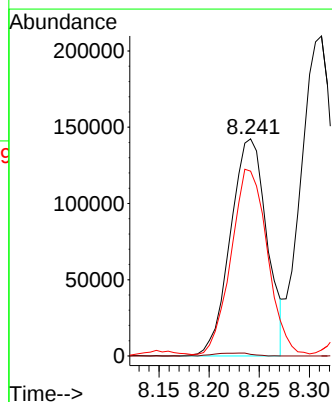
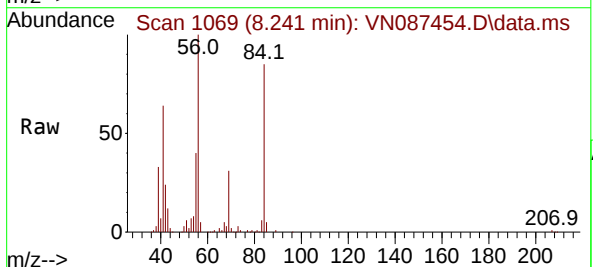
Tgt Ion: 56 Resp: 361178

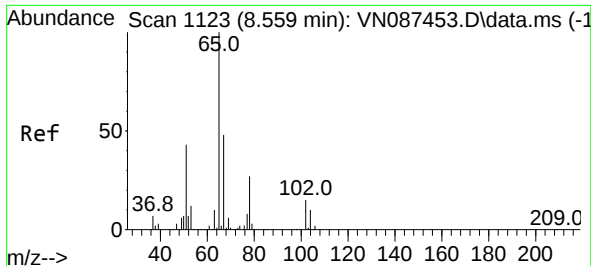
Ion Ratio Lower Upper

56 100

89 1.3 2.3 3.5#

84 86.2 67.0 100.4

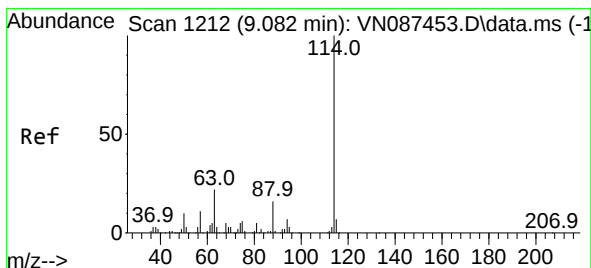
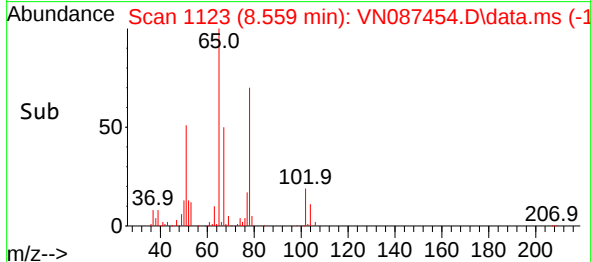
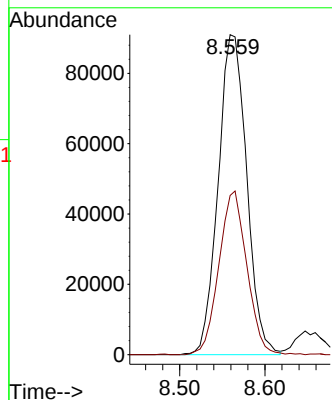
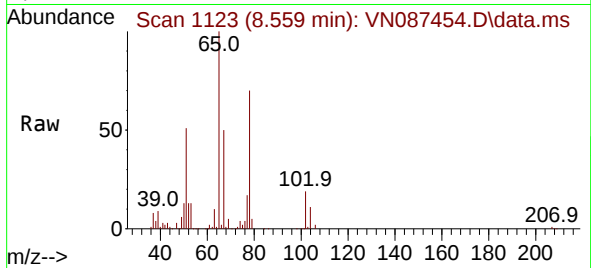




#27
 1,2-Dichloroethane-d4
 Concen: 30.095 ug/l
 RT: 8.559 min Scan# 1123
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

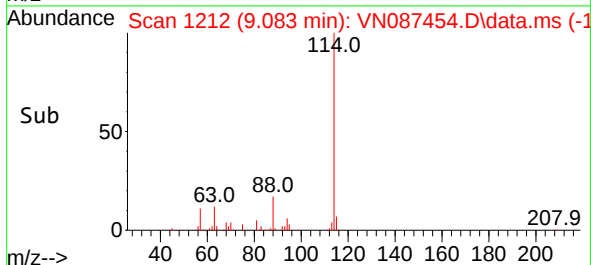
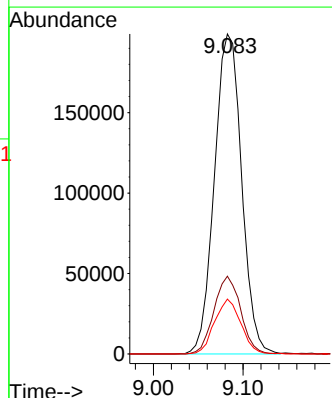
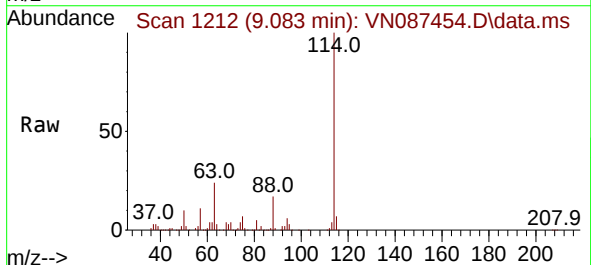
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 65 Resp: 211654
 Ion Ratio Lower Upper
 65 100
 67 50.0 40.8 61.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.083 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 114 Resp: 418905
 Ion Ratio Lower Upper
 114 100
 63 23.9 18.9 28.3
 88 16.6 13.1 19.7

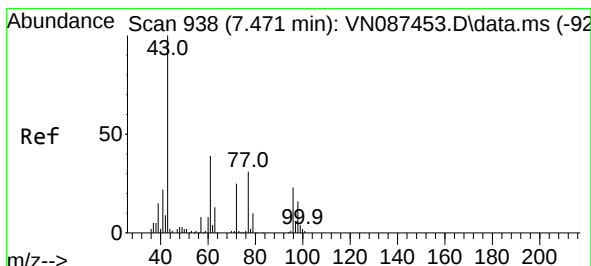
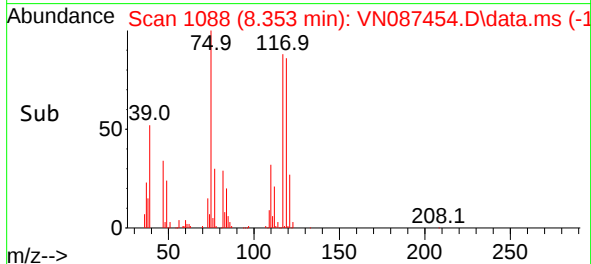
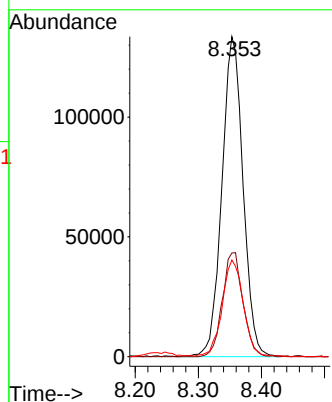
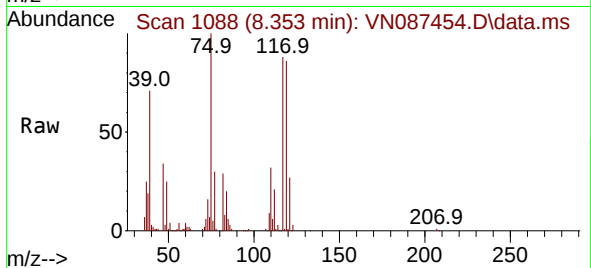




#29
1,1-Dichloropropene
Concen: 45.472 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

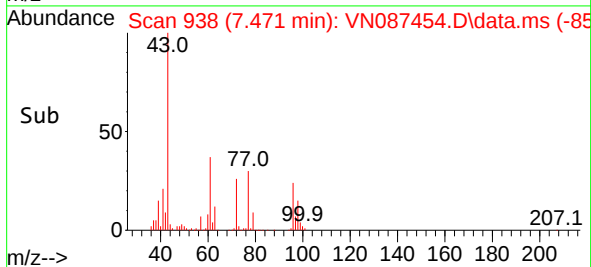
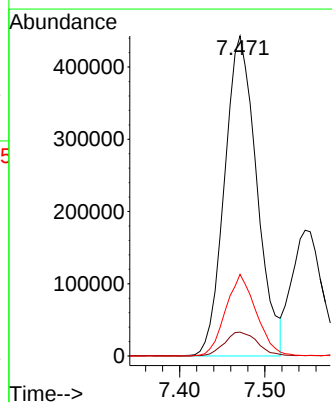
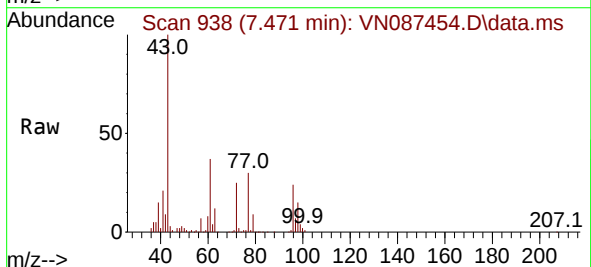
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

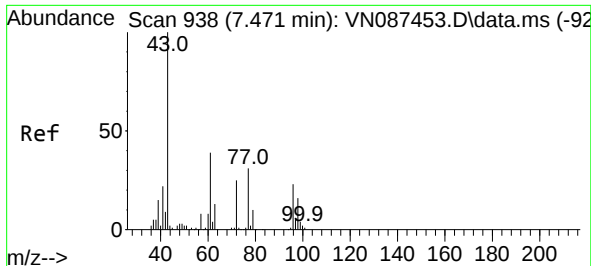
Tgt Ion: 75 Resp: 310679
Ion Ratio Lower Upper
75 100
110 31.5 0.0 65.8
77 30.3 0.0 63.6



#30
2-Butanone
Concen: 231.454 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 43 Resp: 1165660
Ion Ratio Lower Upper
43 100
57 7.8 6.6 9.8
72 24.2 19.7 29.5





#31

2,2-Dichloropropane

Concen: 45.671 ug/l

RT: 7.471 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

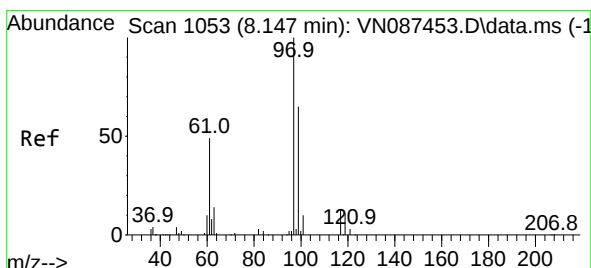
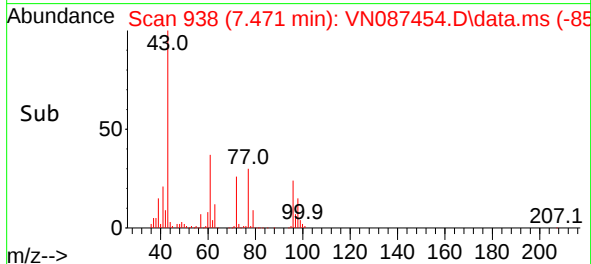
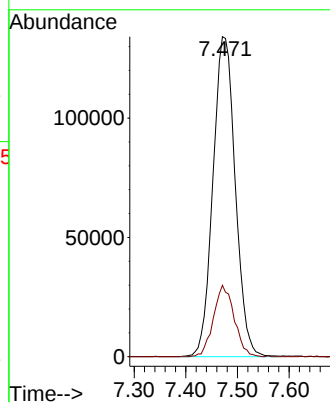
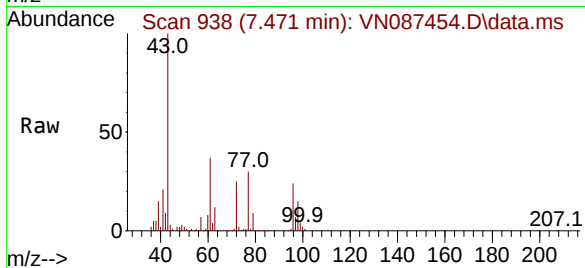
VSTDIC050

Tgt Ion: 77 Resp: 402451

Ion Ratio Lower Upper

77 100

97 20.7 16.7 25.1



#32

1,1,1-Trichloroethane

Concen: 45.714 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

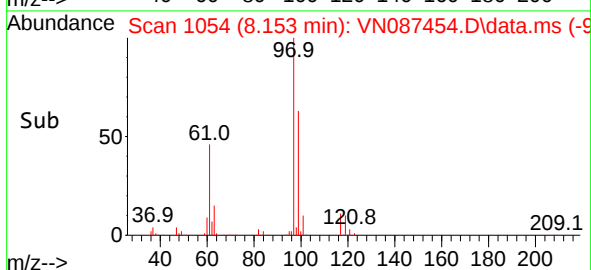
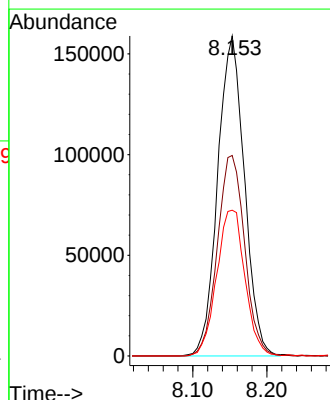
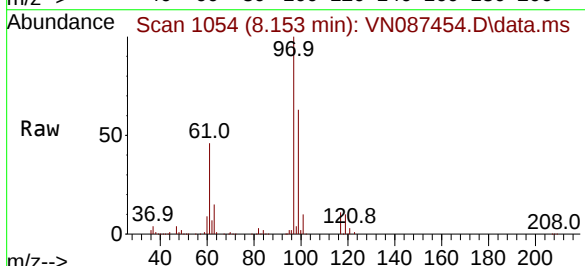
Tgt Ion: 97 Resp: 398348

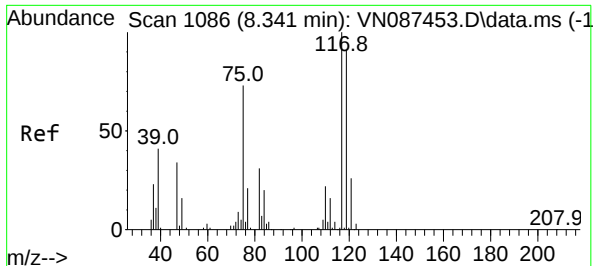
Ion Ratio Lower Upper

97 100

99 63.9 53.0 79.6

61 48.1 40.6 61.0

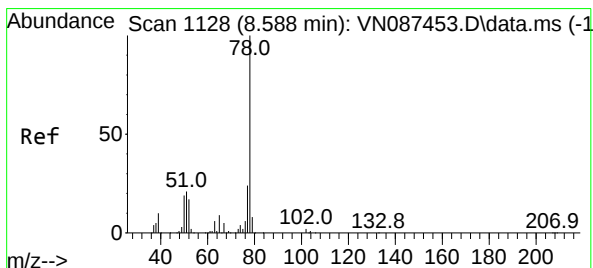
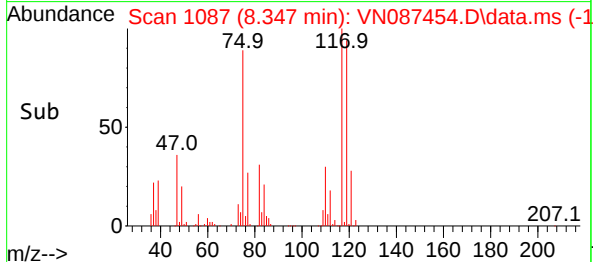
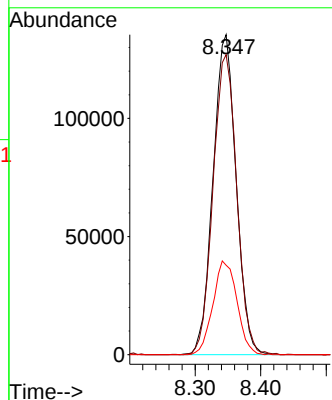
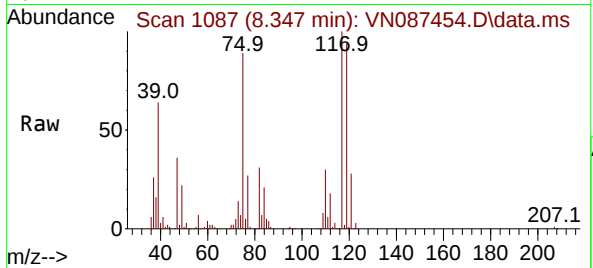




#33
Carbon Tetrachloride
Concen: 45.723 ug/l
RT: 8.347 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

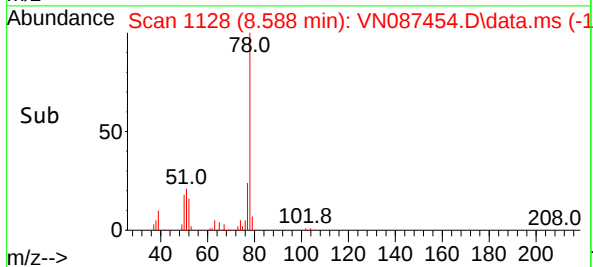
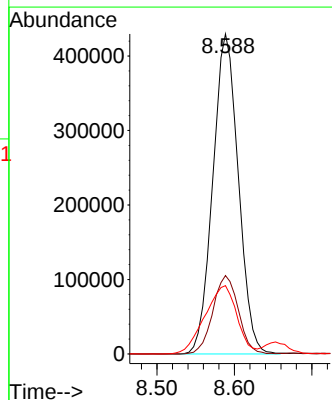
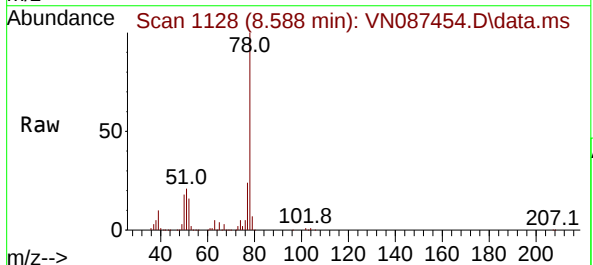
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

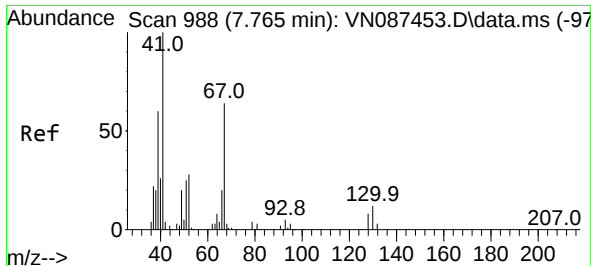
Tgt Ion:117 Resp: 330997
Ion Ratio Lower Upper
117 100
119 93.8 73.4 110.0
121 27.9 21.1 31.7



#34
Benzene
Concen: 45.639 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 78 Resp: 984335
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8
51 20.6 16.9 25.3

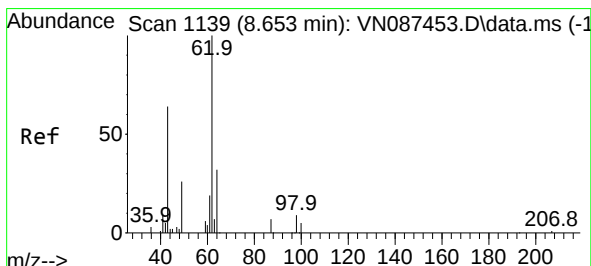
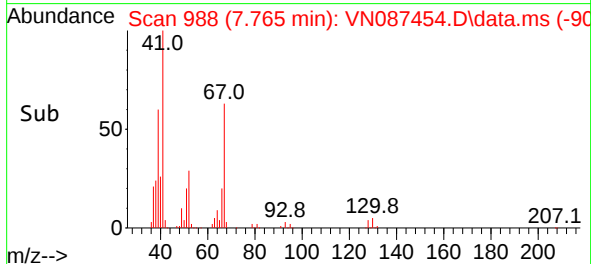
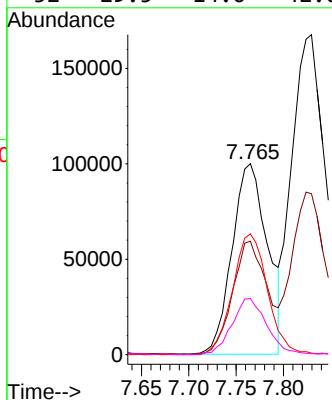
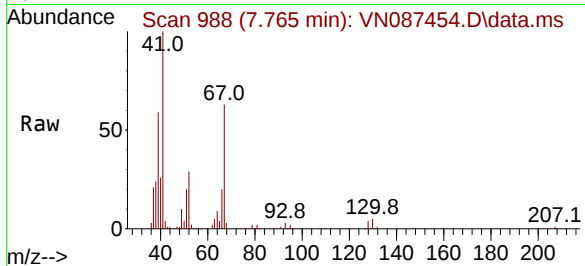




#35
Methacrylonitrile
Concen: 47.860 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

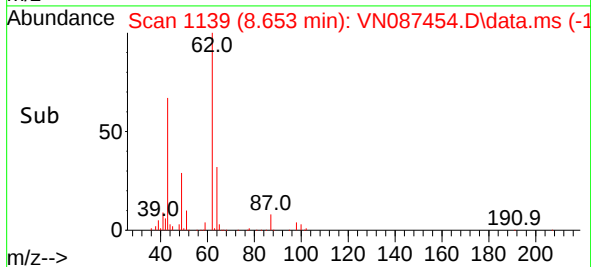
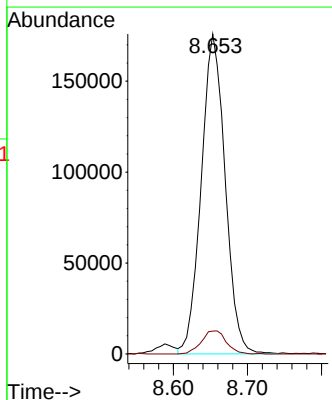
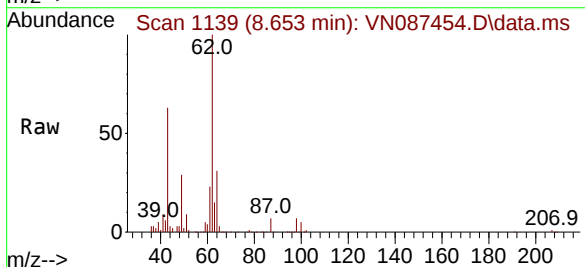
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:	41	Resp:	260104
Ion	Ratio	Lower	Upper
41	100		
39	59.2	30.1	90.5
67	63.4	32.0	96.2
52	29.5	14.0	42.0



#36
1,2-Dichloroethane
Concen: 45.169 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:	62	Resp:	393795
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.6	9.8

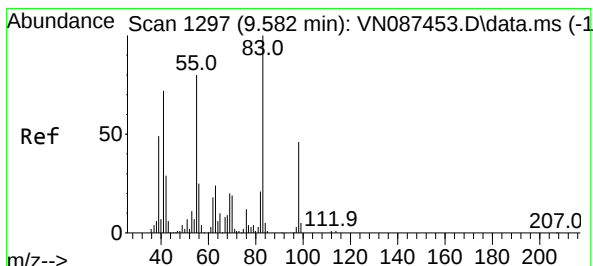
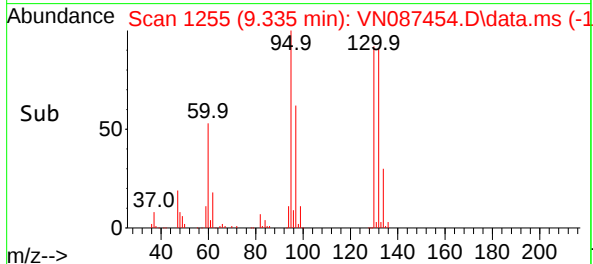
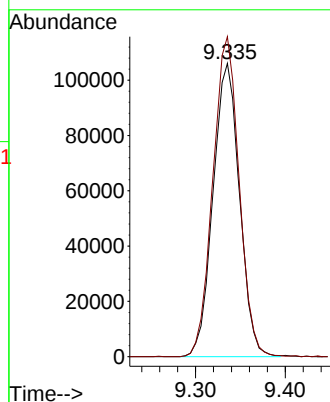
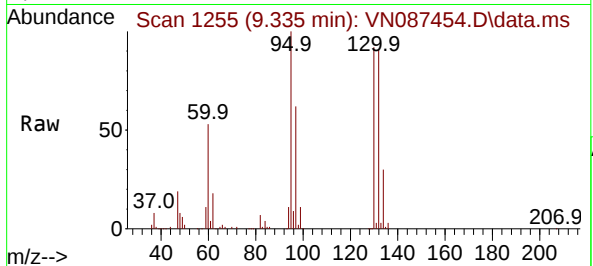




#37
Trichloroethene
Concen: 45.693 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

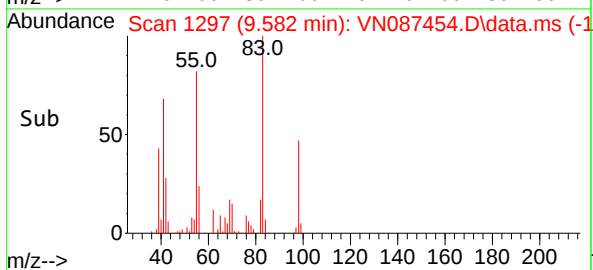
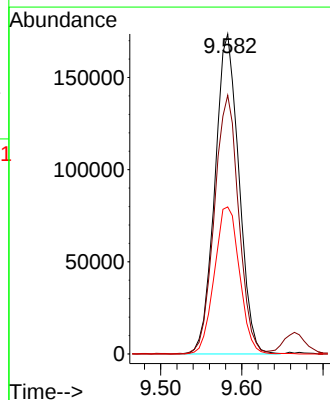
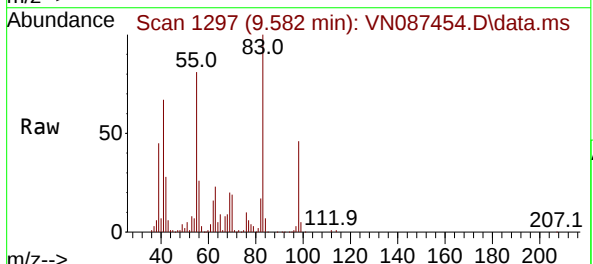
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

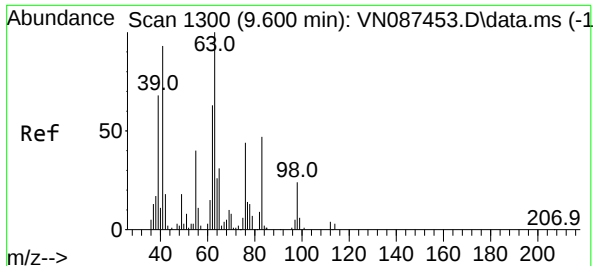
Tgt Ion:130 Resp: 217082
Ion Ratio Lower Upper
130 100
95 109.1 91.4 137.2



#38
Methylcyclohexane
Concen: 45.072 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 83 Resp: 357253
Ion Ratio Lower Upper
83 100
55 81.7 41.2 123.6
98 48.1 23.3 69.9

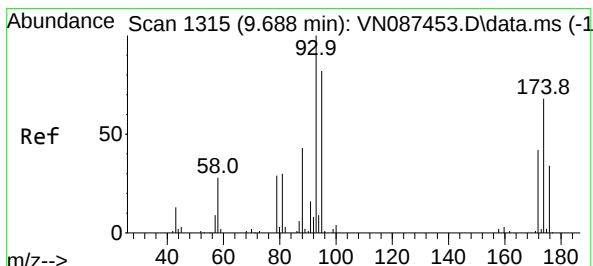
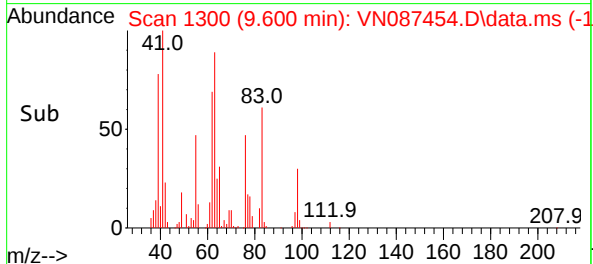
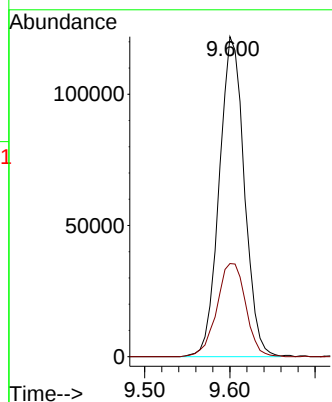
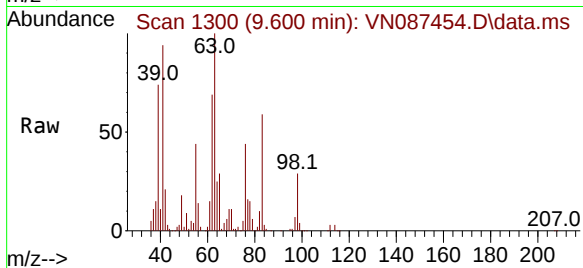




#39
1,2-Dichloropropane
Concen: 45.142 ug/l
RT: 9.600 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

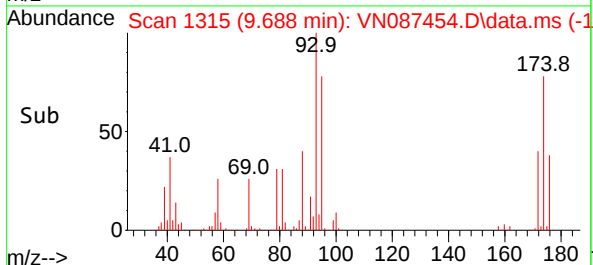
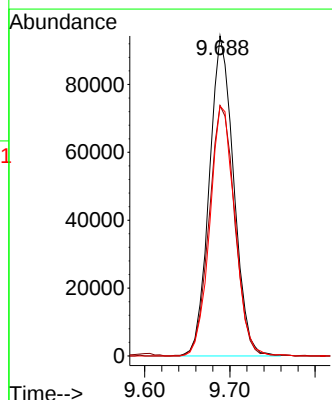
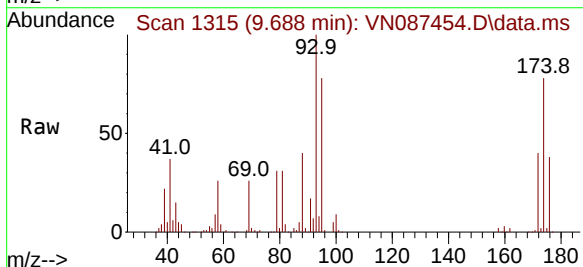
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

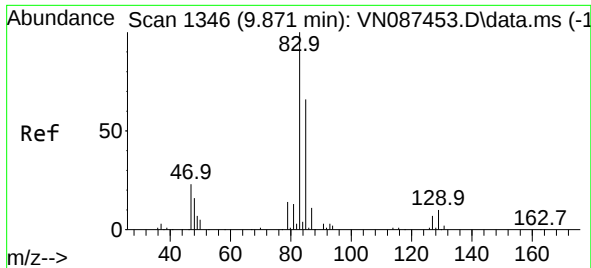
Tgt Ion: 63 Resp: 249627
Ion Ratio Lower Upper
63 100
65 29.1 24.6 36.8



#40
Dibromomethane
Concen: 45.278 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 93 Resp: 187857
Ion Ratio Lower Upper
93 100
95 82.1 0.0 161.6
174 79.8 0.0 151.4

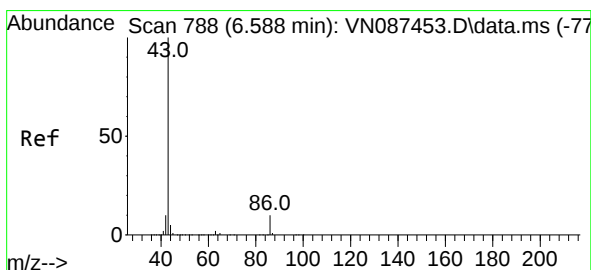
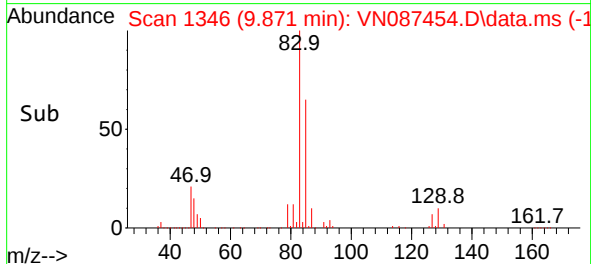
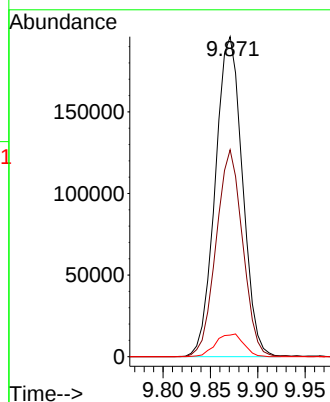
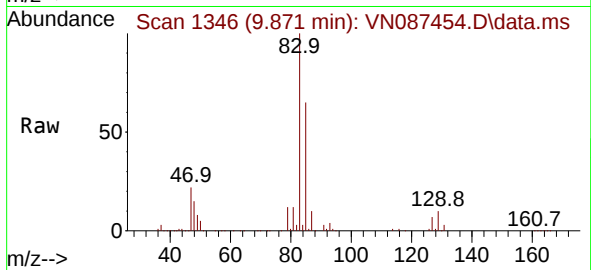




#41
Bromodichloromethane
Concen: 45.463 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

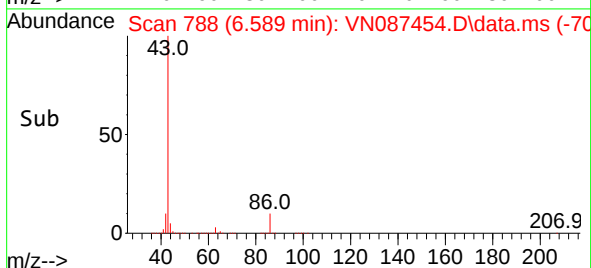
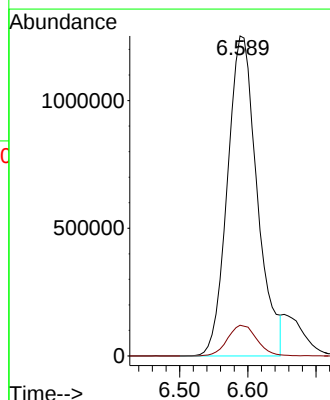
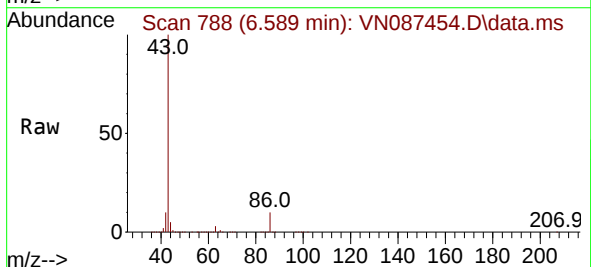
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

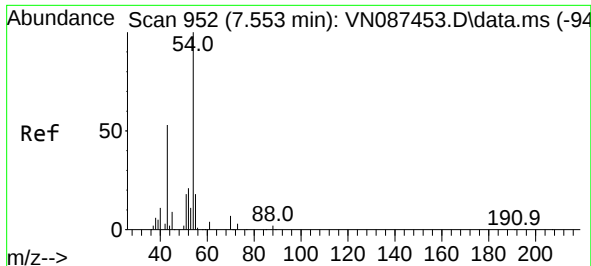
Tgt Ion: 83 Resp: 391953
Ion Ratio Lower Upper
83 100
85 64.6 52.9 79.3
127 6.8 5.8 8.6



#42
Vinyl Acetate
Concen: 228.920 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 43 Resp: 3796699
Ion Ratio Lower Upper
43 100
86 9.5 7.3 10.9

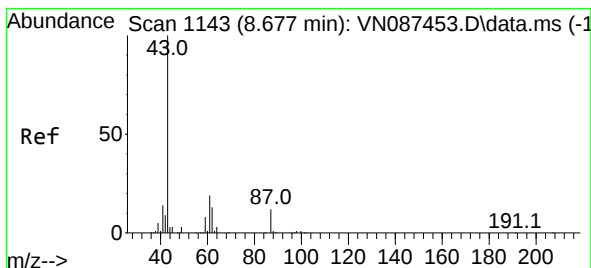
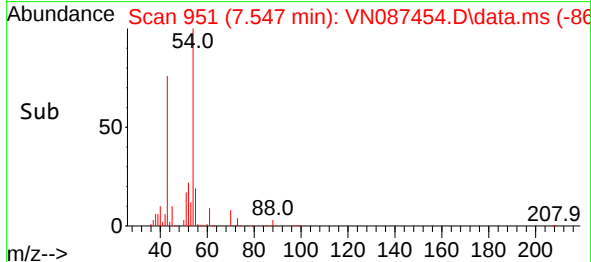
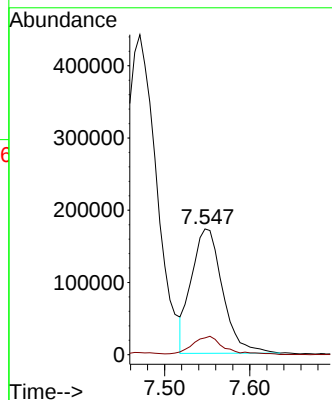
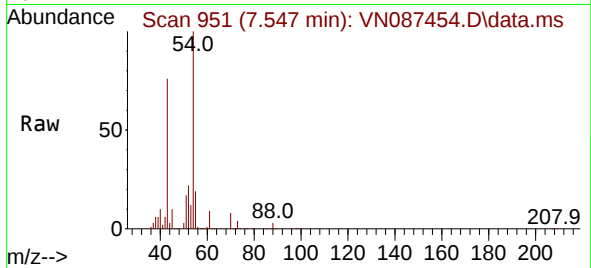




#43
Ethyl Acetate
Concen: 45.558 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

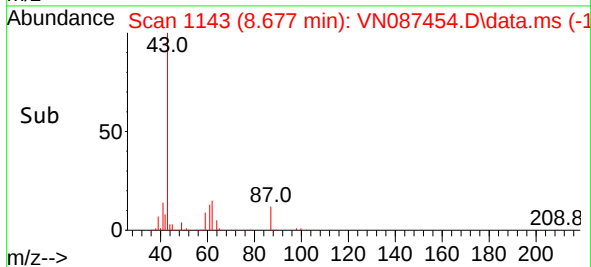
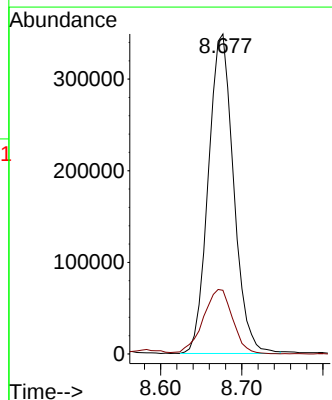
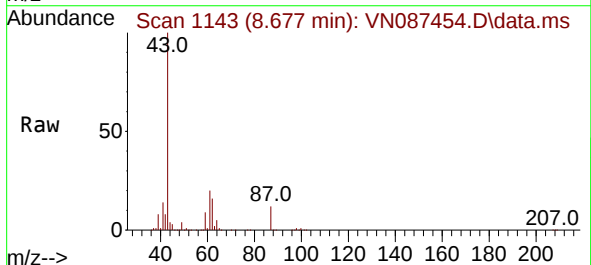
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

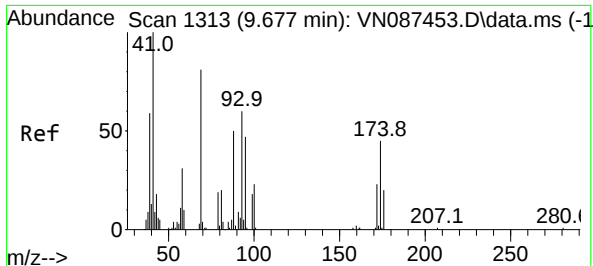
Tgt Ion: 43 Resp: 436753
Ion Ratio Lower Upper
43 100
45 12.4 11.1 16.7



#44
Isopropyl Acetate
Concen: 45.813 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 43 Resp: 755567
Ion Ratio Lower Upper
43 100
61 23.6 18.6 28.0





#45

1,4-Dioxane

Concen: 932.433 ug/l

RT: 9.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

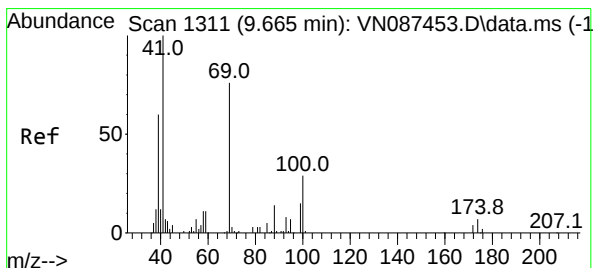
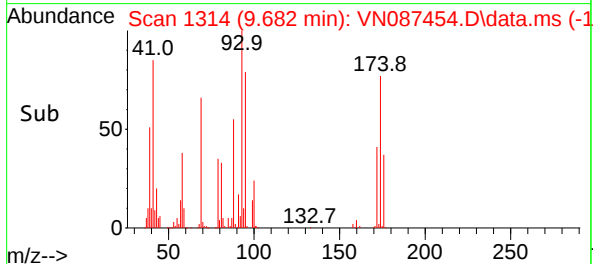
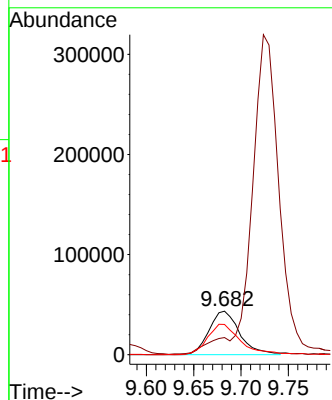
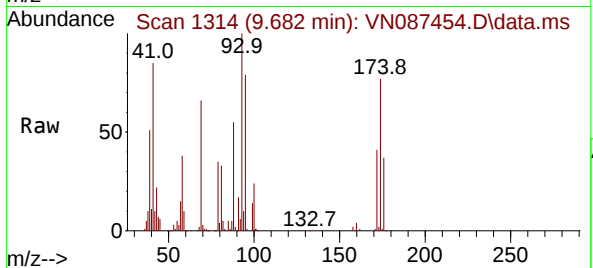
Tgt Ion: 88 Resp: 98035

Ion Ratio Lower Upper

88 100

43 31.4 24.1 36.1

58 74.1 57.2 85.8



#46

Methyl methacrylate

Concen: 45.128 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

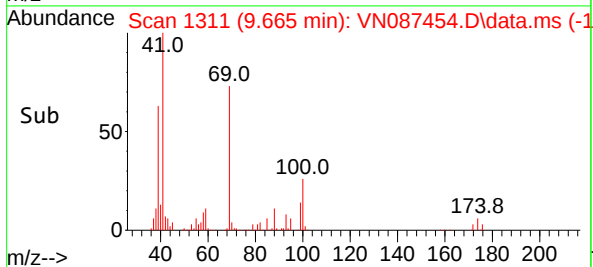
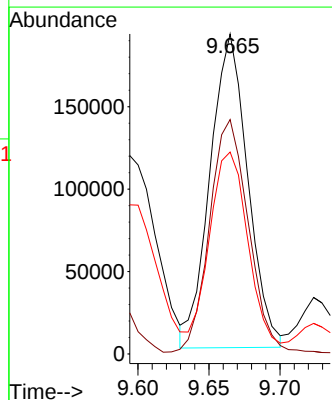
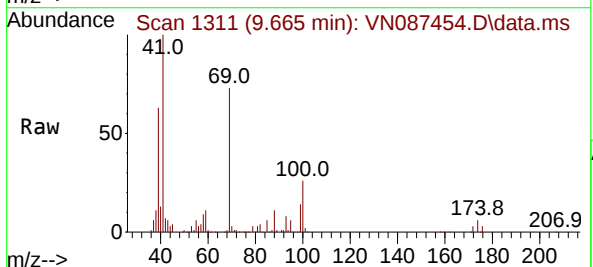
Tgt Ion: 41 Resp: 351323

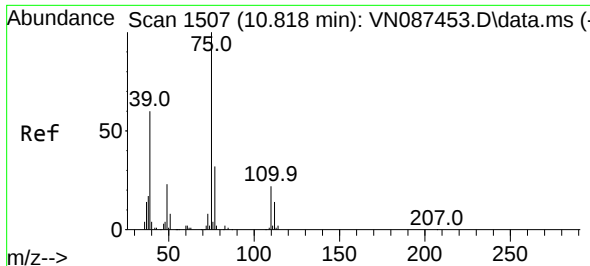
Ion Ratio Lower Upper

41 100

69 76.2 37.1 111.5

39 63.3 30.7 92.1

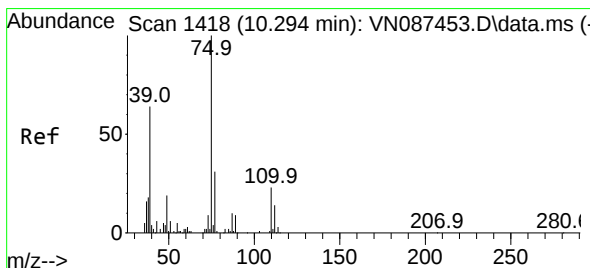
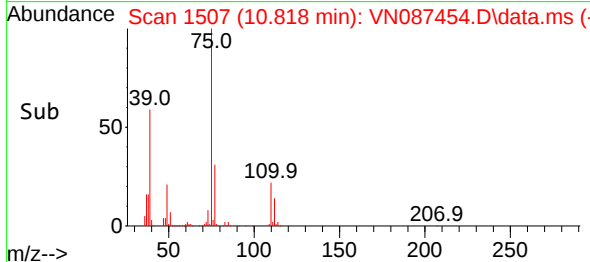
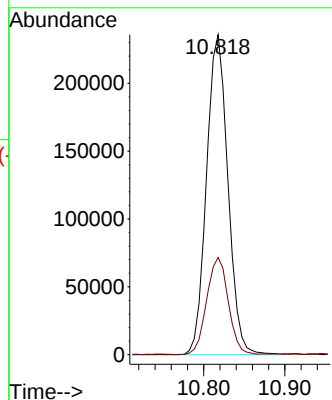
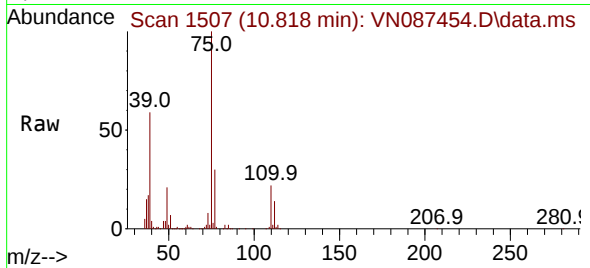




#48
 t-1,3-Dichloropropene
 Concen: 46.014 ug/l
 RT: 10.818 min Scan# 1507
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

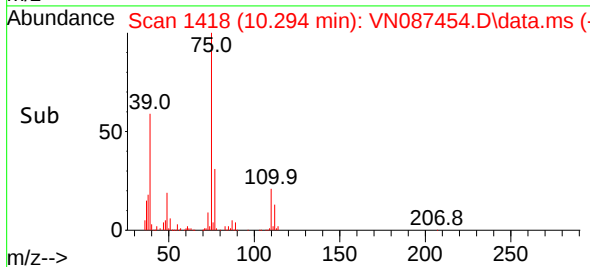
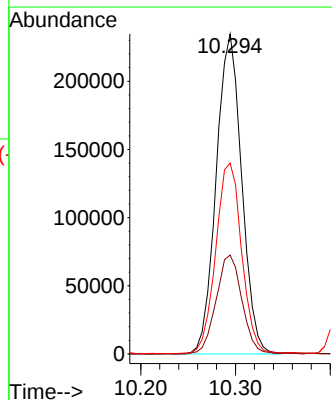
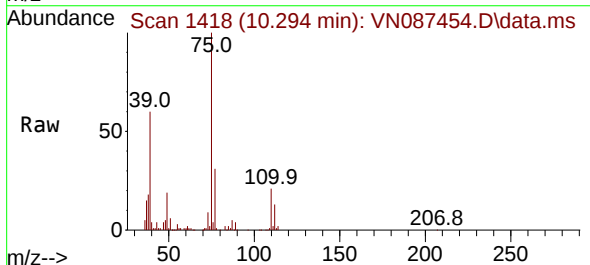
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

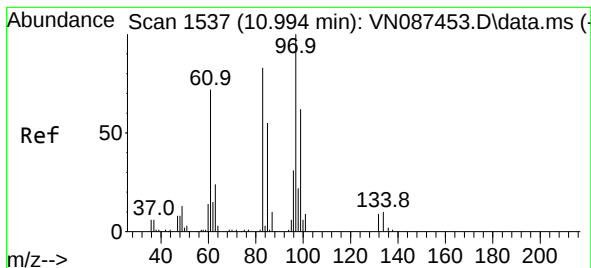
Tgt Ion: 75 Resp: 431587
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.3 37.9



#49
 cis-1,3-Dichloropropene
 Concen: 46.521 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 75 Resp: 439121
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 36.8
 39 59.4 51.5 77.3

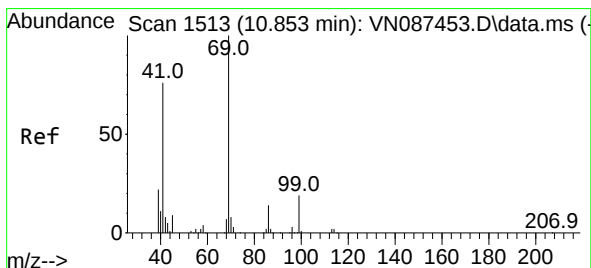
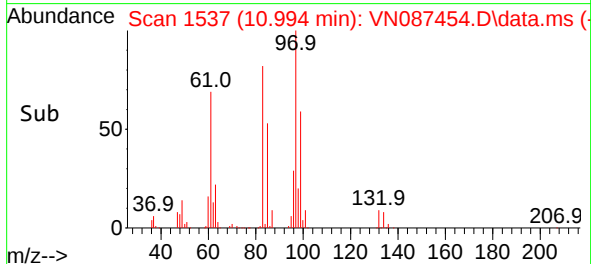
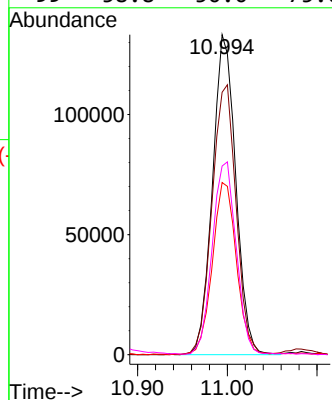
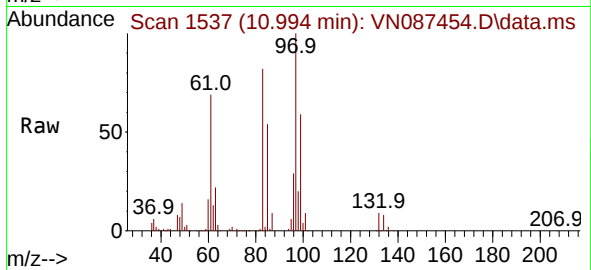




#50
1,1,2-Trichloroethane
Concen: 45.786 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

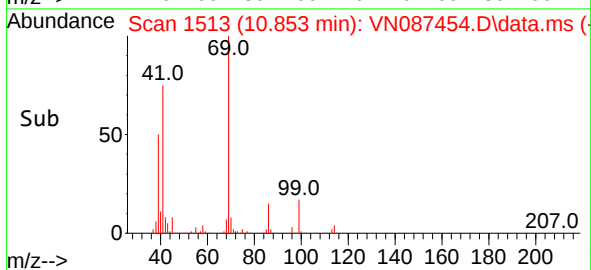
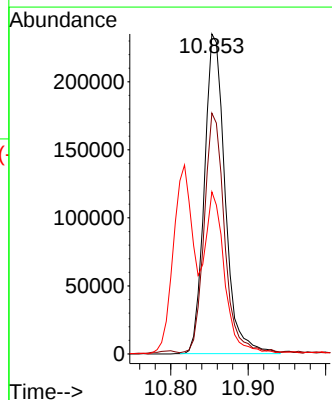
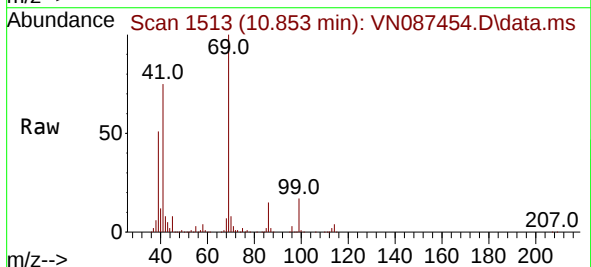
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

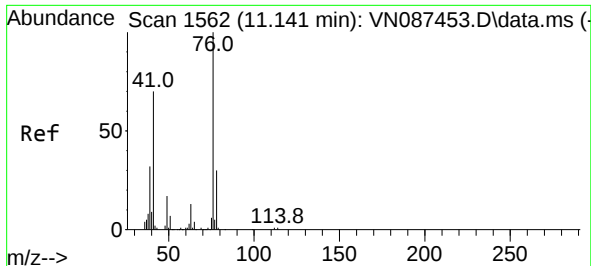
Tgt Ion:	97	Resp:	240010
Ion	Ratio	Lower	Upper
97	100		
83	82.0	66.2	99.2
85	53.7	43.9	65.9
99	58.8	50.0	75.0



#51
Ethyl methacrylate
Concen: 47.164 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:	69	Resp:	435415
Ion	Ratio	Lower	Upper
69	100		
41	74.9	38.0	114.1
39	50.1	23.2	69.5

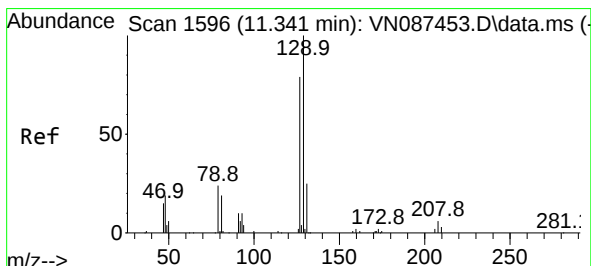
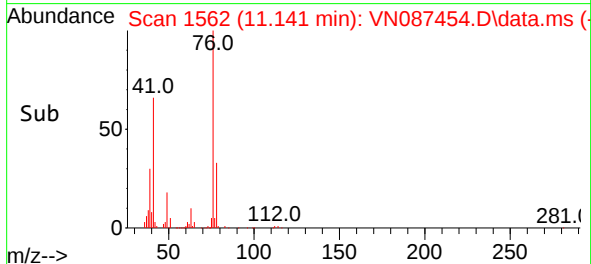
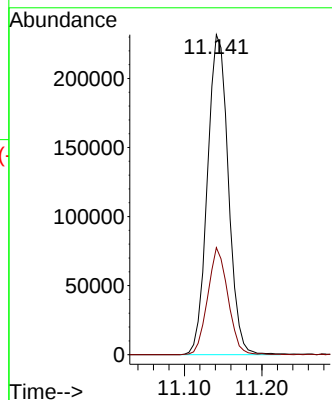
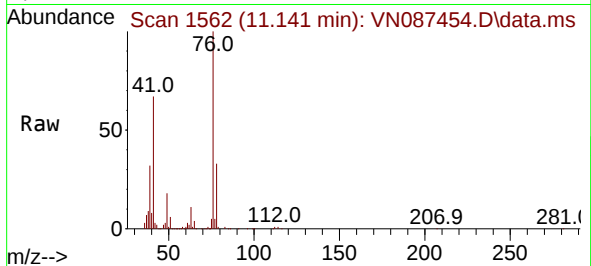




#52
1,3-Dichloropropane
Concen: 45.941 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

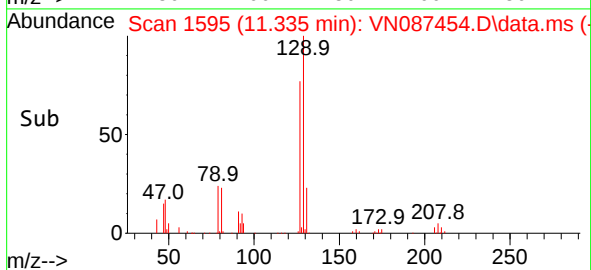
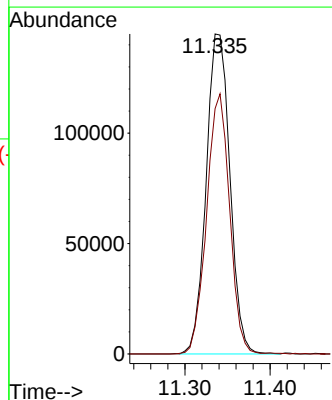
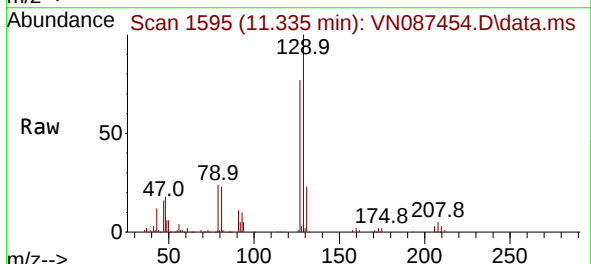
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

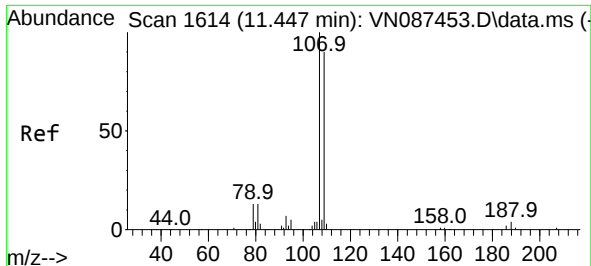
Tgt Ion: 76 Resp: 433869
Ion Ratio Lower Upper
76 100
78 32.3 0.0 63.0



#53
Dibromochloromethane
Concen: 46.341 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 129 Resp: 280542
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

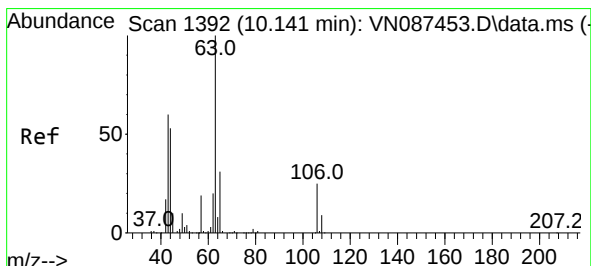
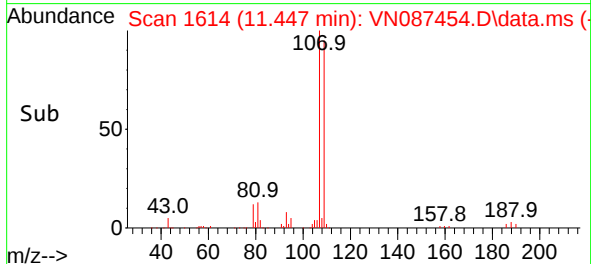
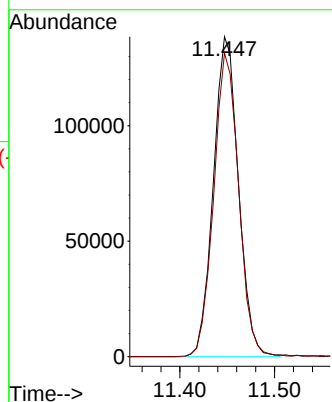
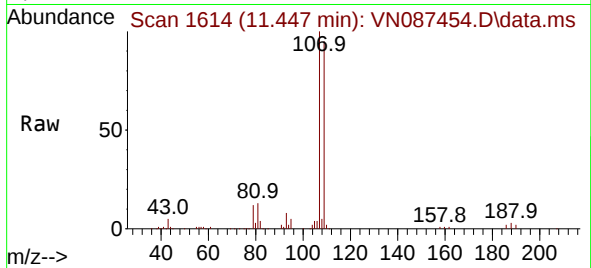




#54
1,2-Dibromoethane
Concen: 45.688 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

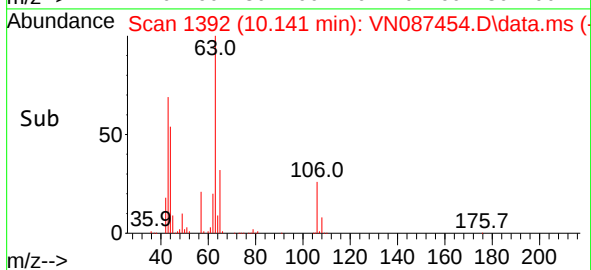
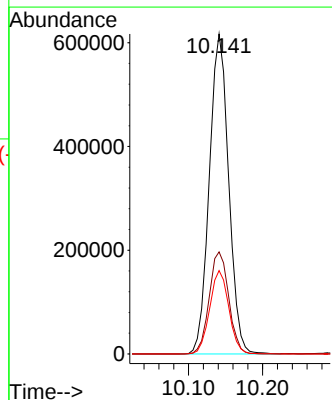
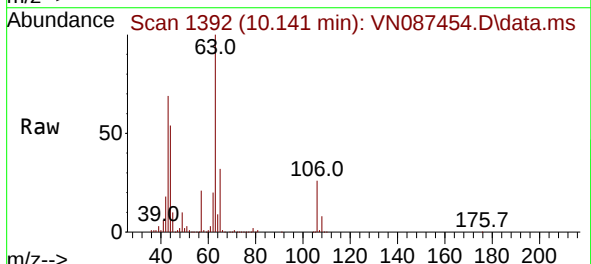
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

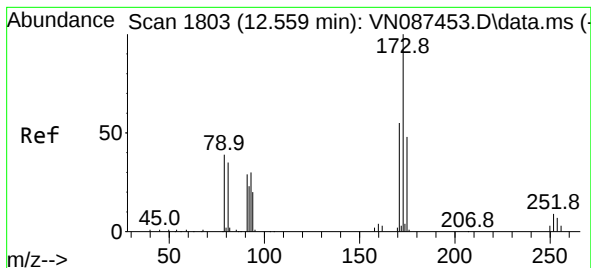
Tgt Ion:107 Resp: 254243
Ion Ratio Lower Upper
107 100
109 94.8 74.2 111.4



#55
2-Chloroethyl vinyl ether
Concen: 230.244 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 63 Resp: 1118997
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 25.7 20.7 31.1

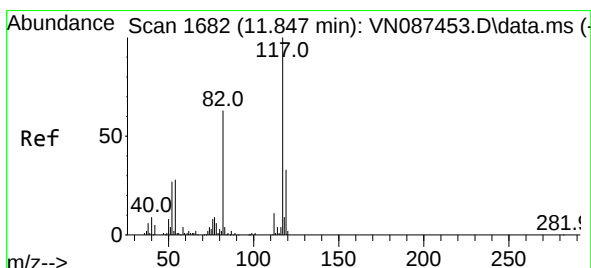
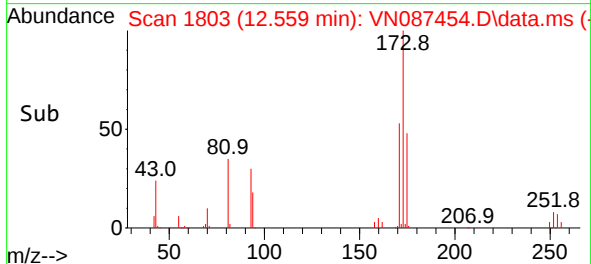
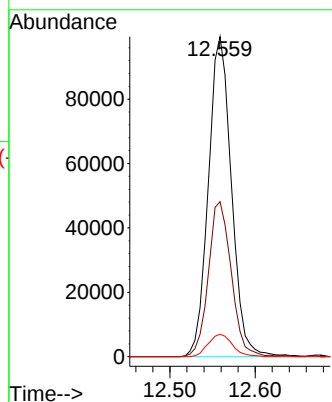
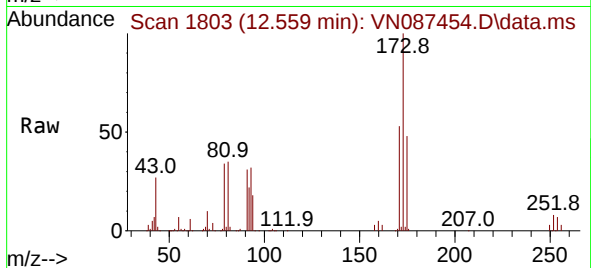




#56
Bromoform
Concen: 46.656 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

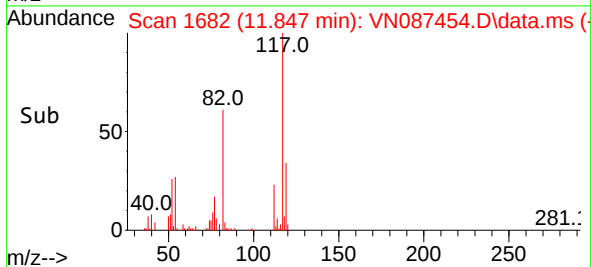
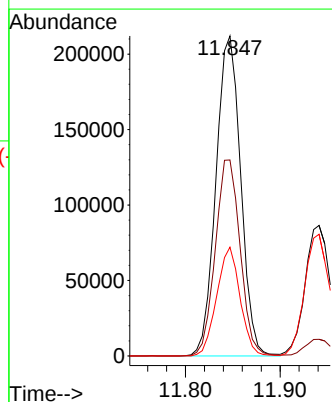
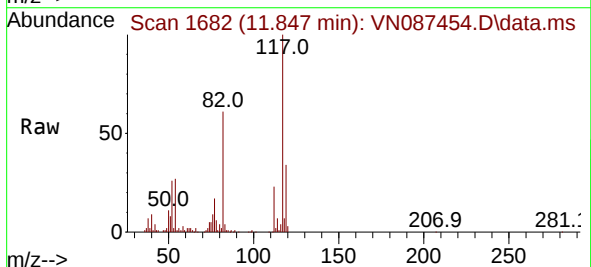
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

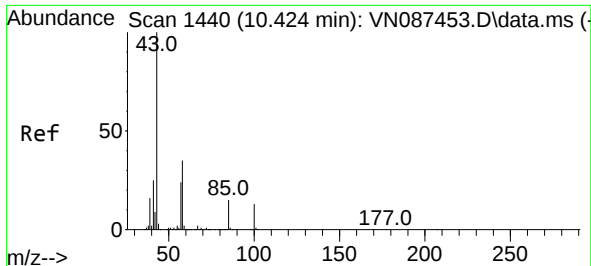
Tgt Ion:173 Resp: 186820
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 7.4 3.9 5.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:117 Resp: 385657
Ion Ratio Lower Upper
117 100
82 61.5 49.2 73.8
119 32.2 25.7 38.5



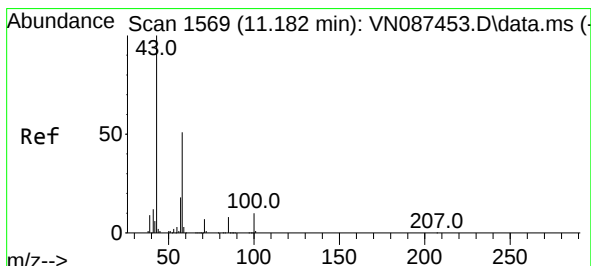
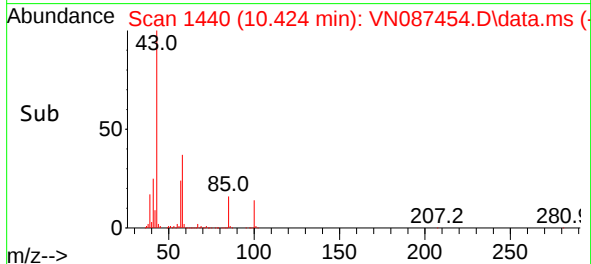
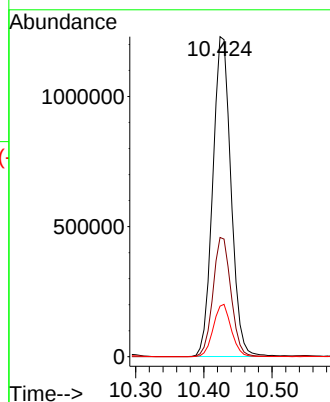
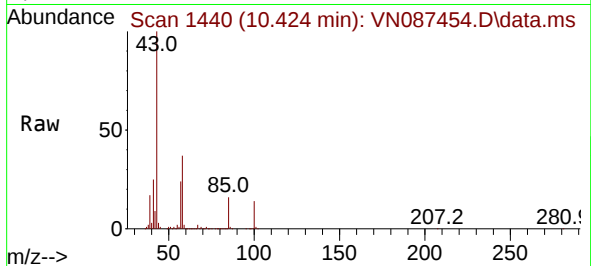


#58
 4-Methyl-2-Pentanone
 Concen: 230.864 ug/l
 RT: 10.424 min Scan# 1440
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 43 Resp: 2290380

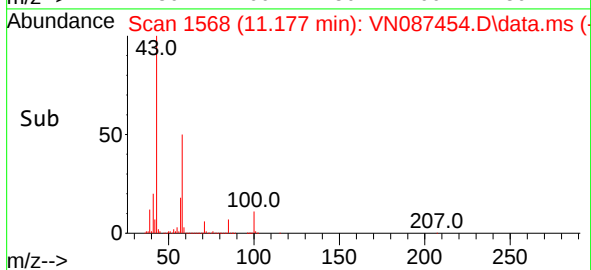
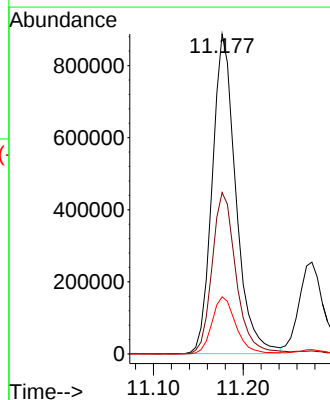
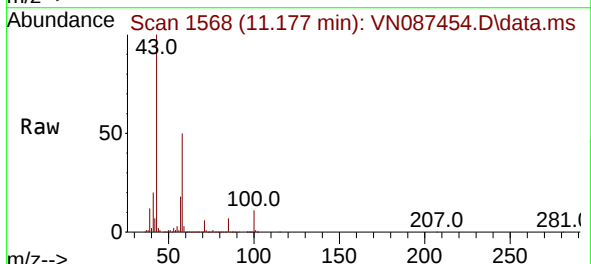
Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.0	43.6
85	16.1	12.7	19.1

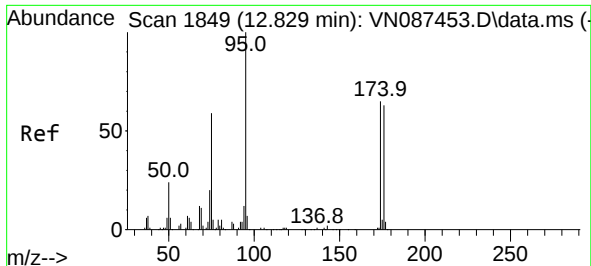


#59
 2-Hexanone
 Concen: 240.439 ug/l
 RT: 11.177 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 43 Resp: 1620747

Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.0	61.6
57	18.1	14.6	21.8

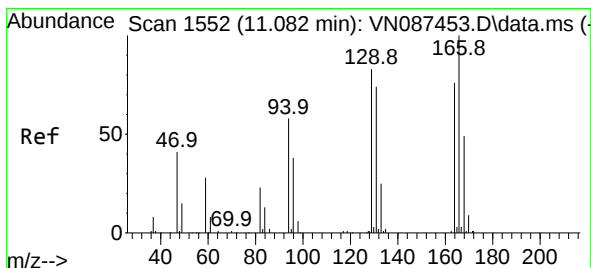
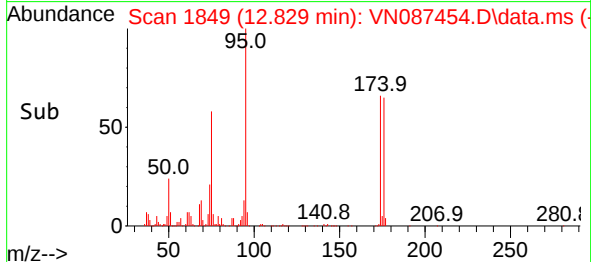
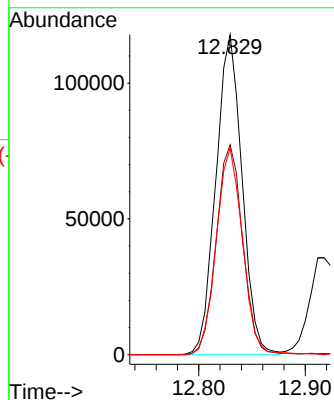
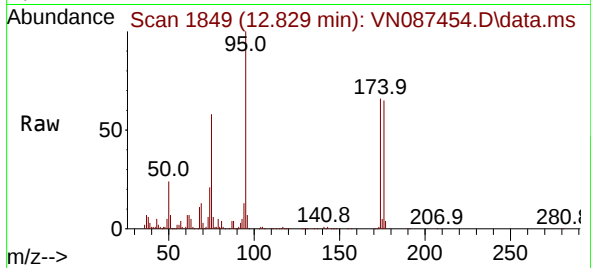




#60
4-Bromofluorobenzene
Concen: 30.325 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

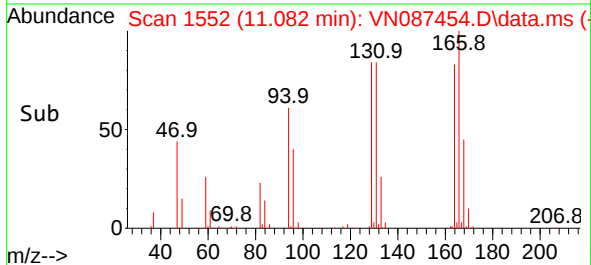
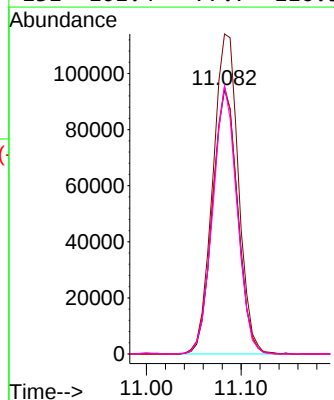
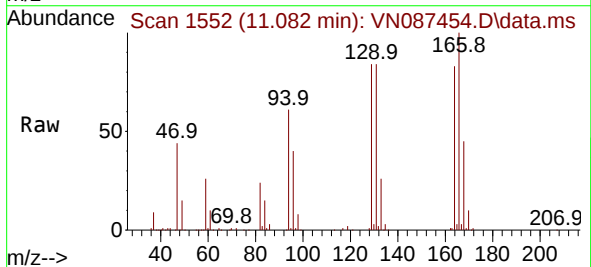
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

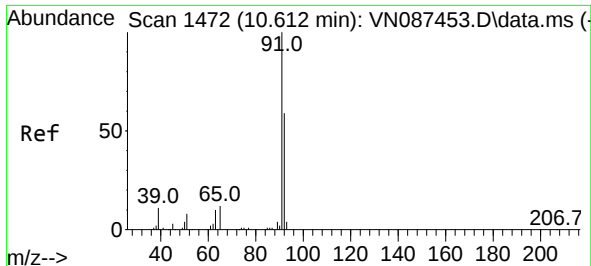
Tgt Ion: 95 Resp: 201264
Ion Ratio Lower Upper
95 100
174 66.0 52.3 78.5
176 64.6 49.8 74.8



#61
Tetrachloroethene
Concen: 46.177 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:164 Resp: 173500
Ion Ratio Lower Upper
164 100
166 121.2 105.4 158.0
129 101.5 87.7 131.5
131 101.4 77.7 116.5

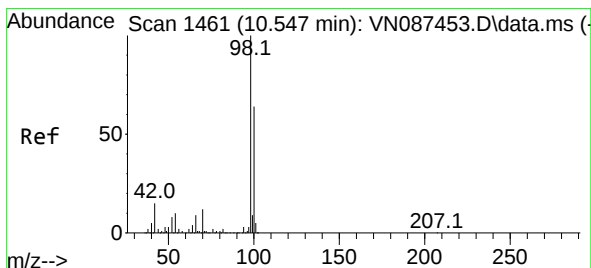
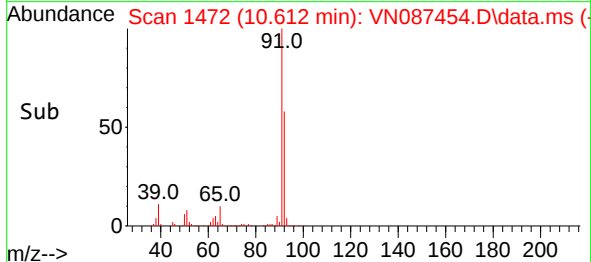
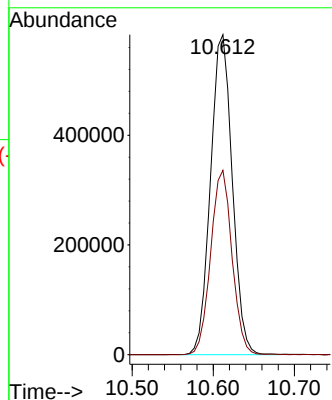
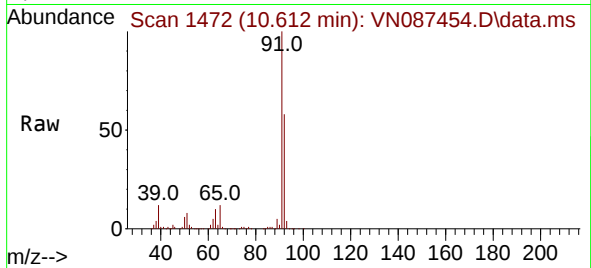




#62
Toluene
Concen: 45.620 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

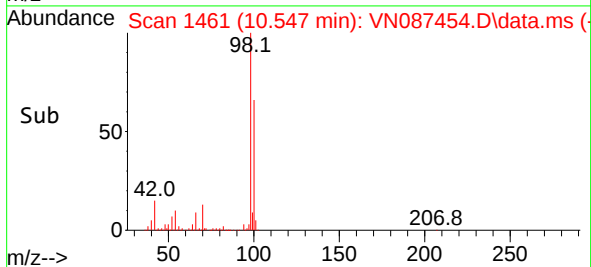
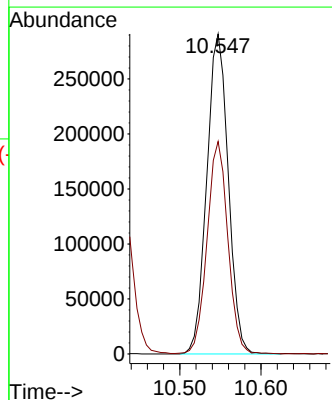
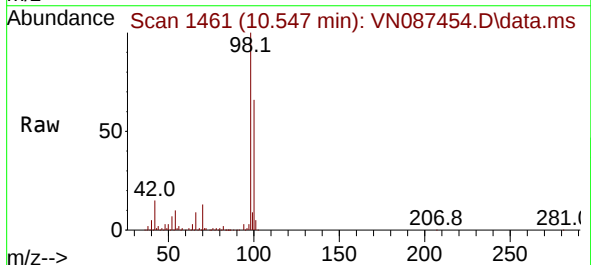
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

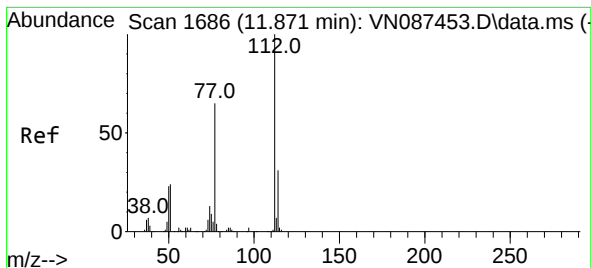
Tgt Ion: 91 Resp: 1085878
Ion Ratio Lower Upper
91 100
92 56.5 45.8 68.6



#63
Toluene-d8
Concen: 30.124 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 98 Resp: 534559
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7





#64

Chlorobenzene

Concen: 45.283 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

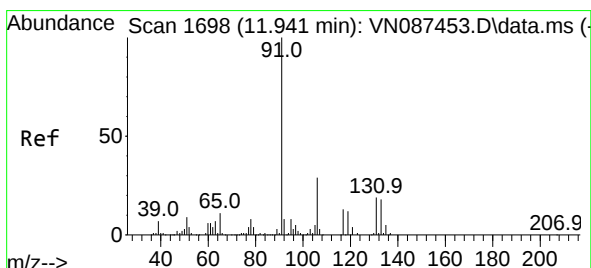
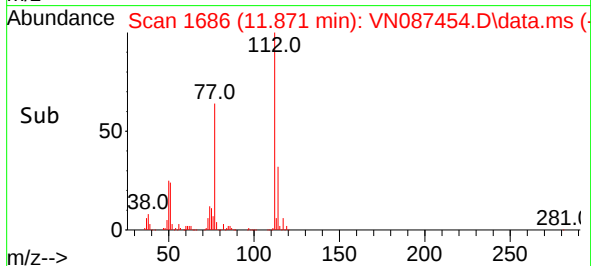
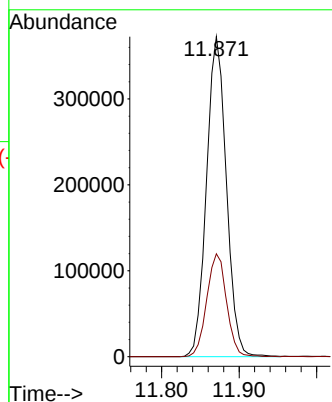
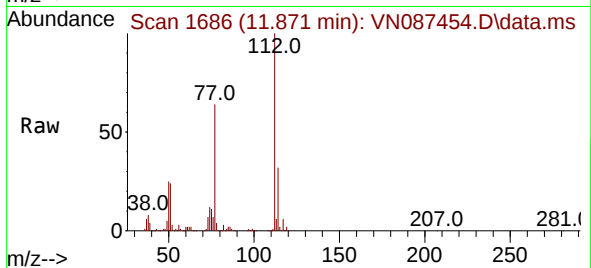
VSTDICC050

Tgt Ion:112 Resp: 662306

Ion Ratio Lower Upper

112 100

114 32.1 24.7 37.1



#65

1,1,1,2-Tetrachloroethane

Concen: 45.493 ug/l

RT: 11.935 min Scan# 1697

Delta R.T. -0.006 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

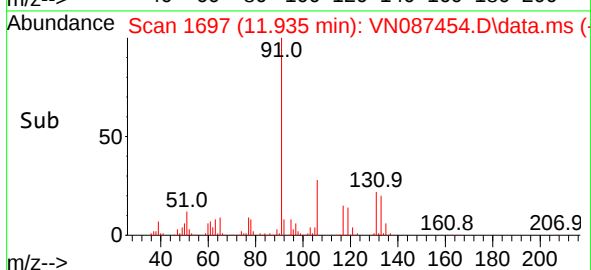
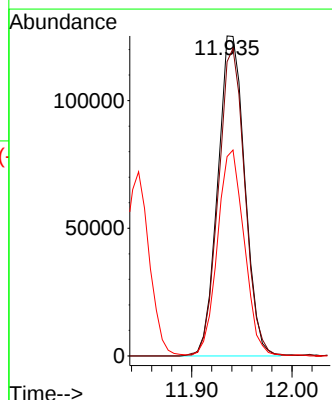
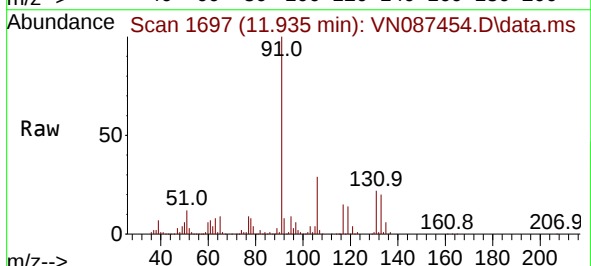
Tgt Ion:131 Resp: 233942

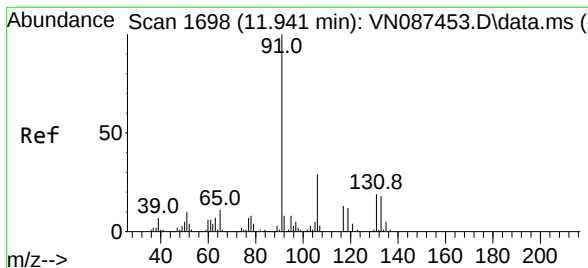
Ion Ratio Lower Upper

131 100

133 94.4 0.0 189.8

119 63.8 0.0 133.2

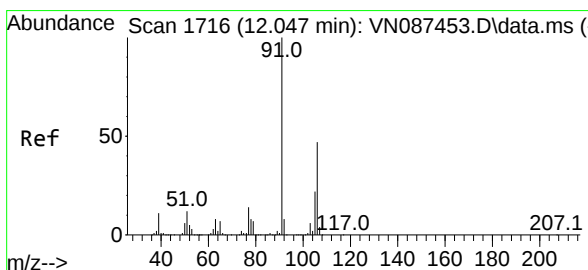
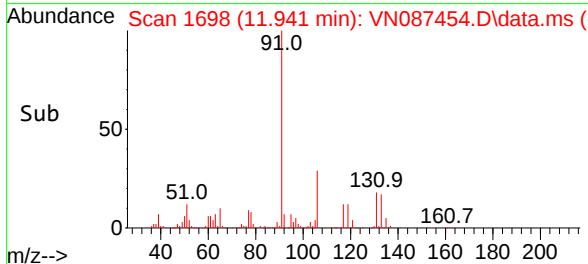
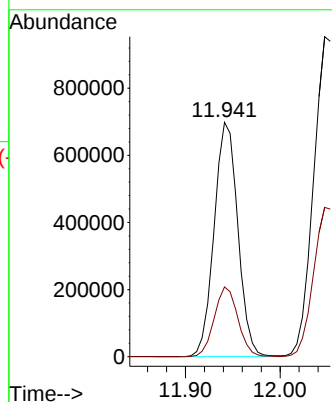
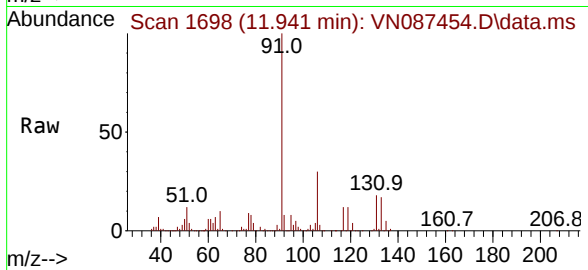




#66
Ethyl Benzene
Concen: 45.832 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

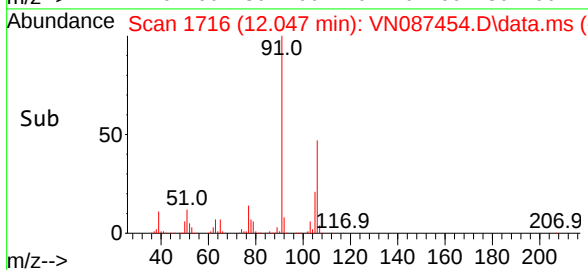
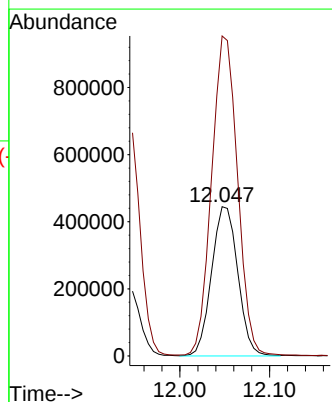
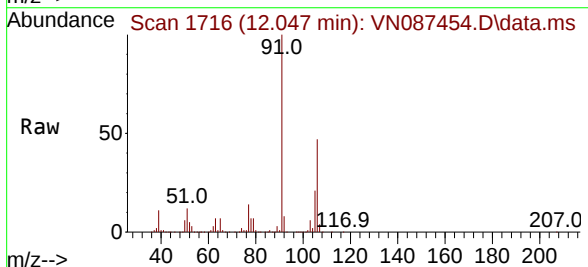
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

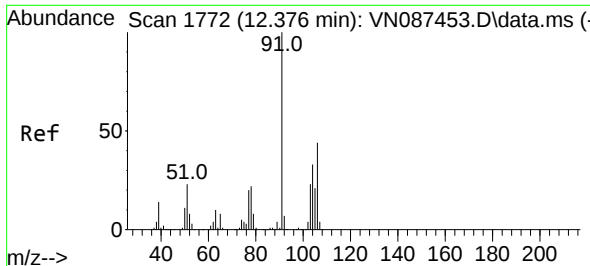
Tgt Ion: 91 Resp: 1215937
Ion Ratio Lower Upper
91 100
106 29.8 22.9 34.3



#67
m/p-Xylenes
Concen: 92.702 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:106 Resp: 902756
Ion Ratio Lower Upper
106 100
91 212.6 174.2 261.2

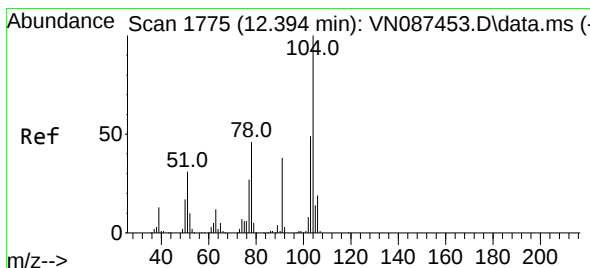
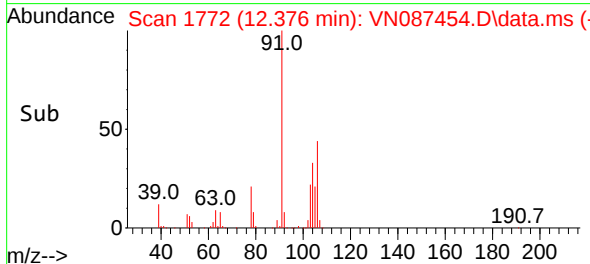
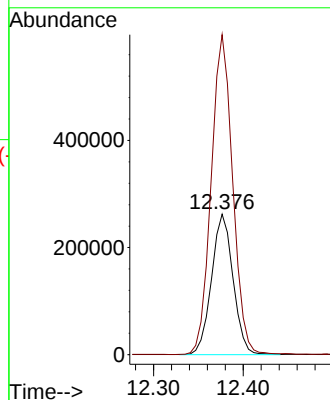
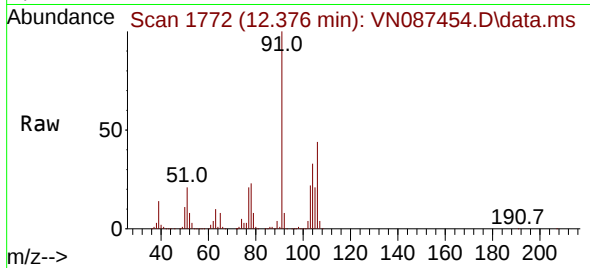




#68
o-Xylene
Concen: 45.667 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

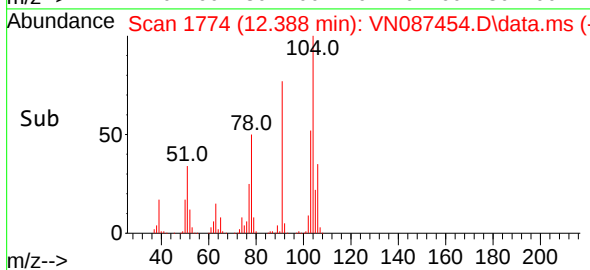
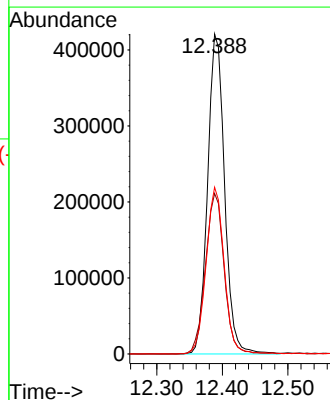
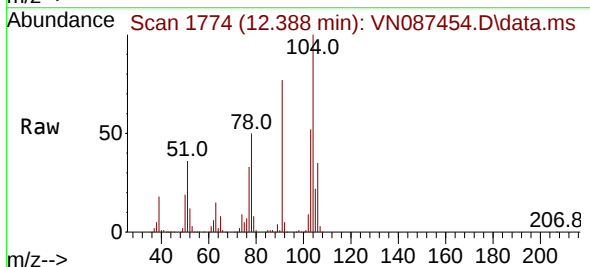
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

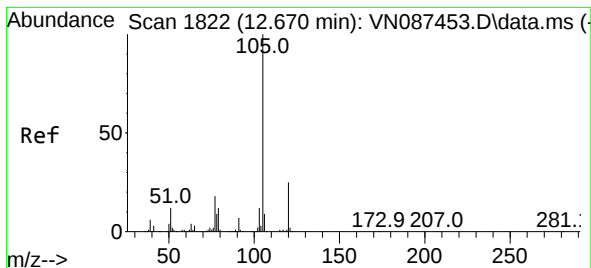
Tgt Ion:106 Resp: 437515
Ion Ratio Lower Upper
106 100
91 227.1 114.5 343.5



#69
Styrene
Concen: 46.428 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:104 Resp: 759493
Ion Ratio Lower Upper
104 100
78 55.1 43.8 65.8
103 55.3 43.1 64.7





#70

Isopropylbenzene

Concen: 45.666 ug/l

RT: 12.676 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

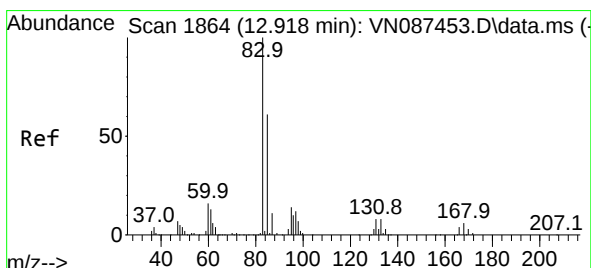
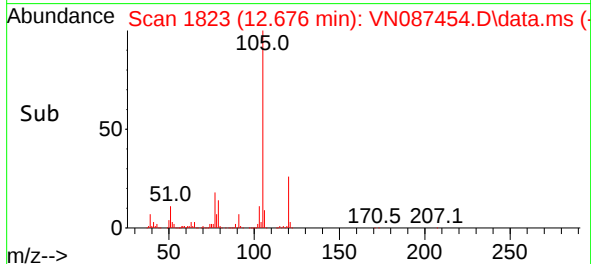
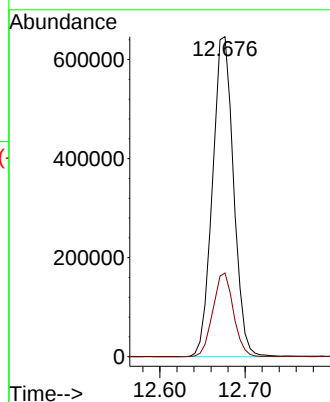
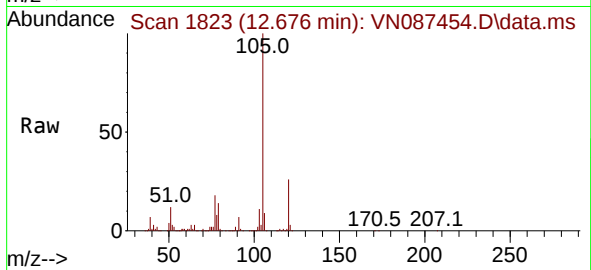
VSTDIC050

Tgt Ion:105 Resp: 1111500

Ion Ratio Lower Upper

105 100

120 25.5 17.5 32.5



#71

1,1,2,2-Tetrachloroethane

Concen: 45.508 ug/l

RT: 12.918 min Scan# 1864

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

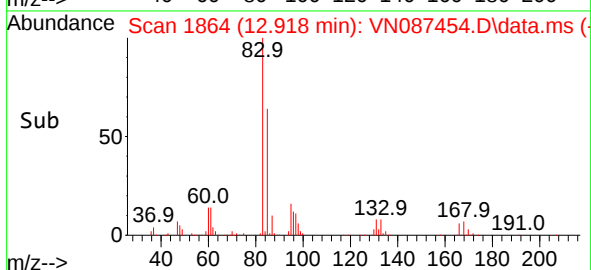
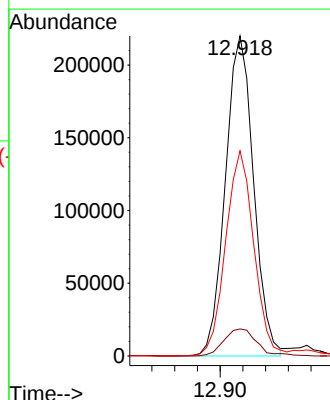
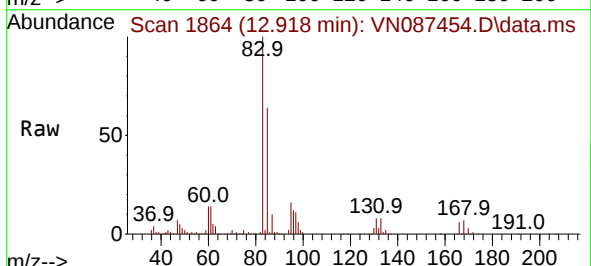
Tgt Ion: 83 Resp: 379527

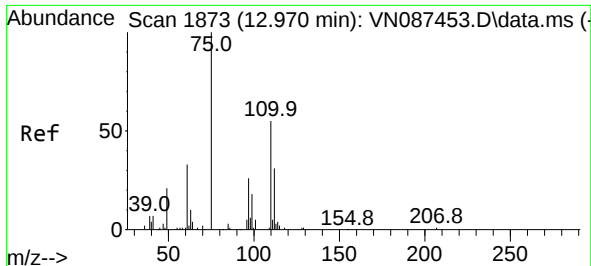
Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

85 64.0 31.7 95.1

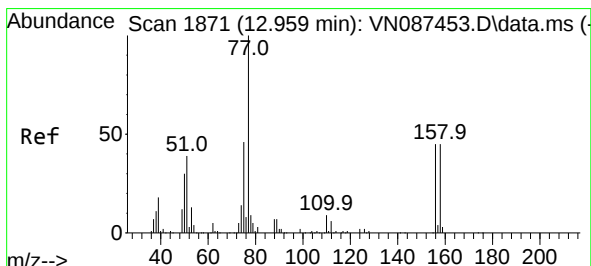
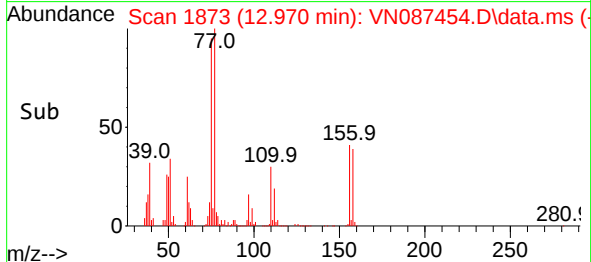
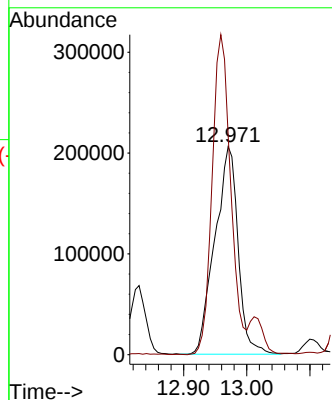
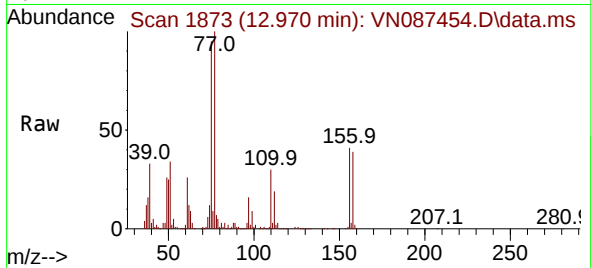




#72
1,2,3-Trichloropropane
Concen: 61.267 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

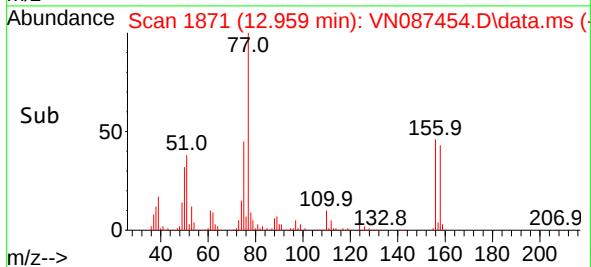
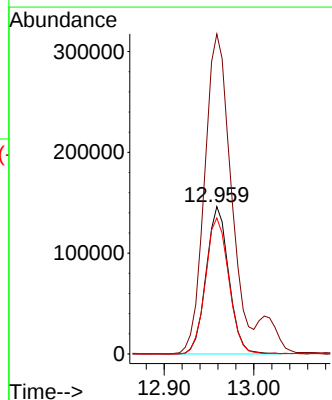
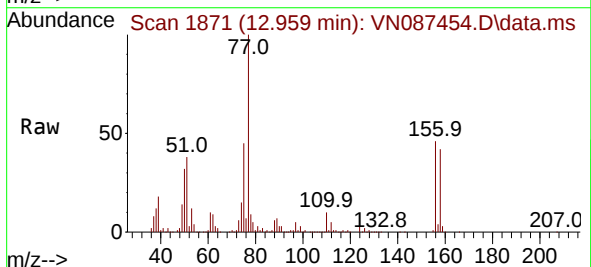
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

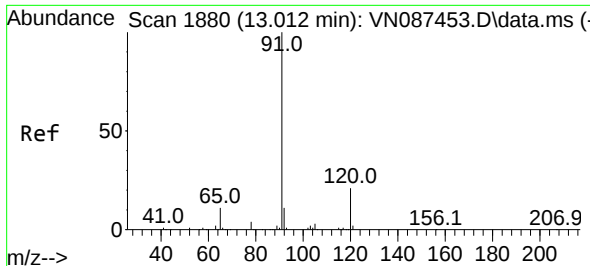
Tgt Ion: 75 Resp: 525215
Ion Ratio Lower Upper
75 100
77 123.6 0.0 385.0



#73
Bromobenzene
Concen: 45.330 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 156 Resp: 255773
Ion Ratio Lower Upper
156 100
77 253.9 0.0 506.6
158 94.9 0.0 193.6

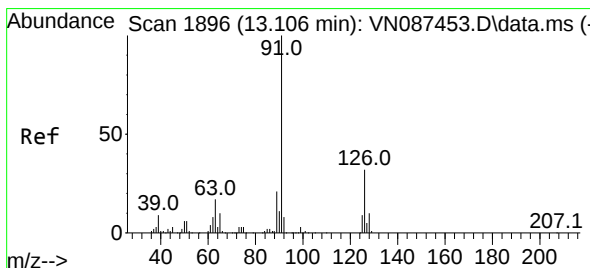
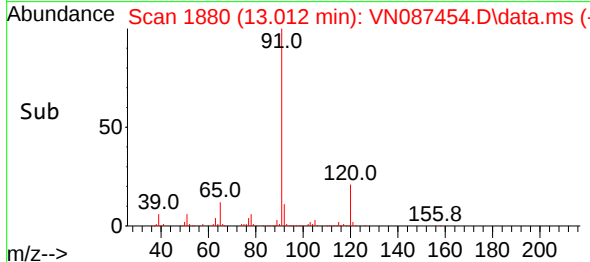
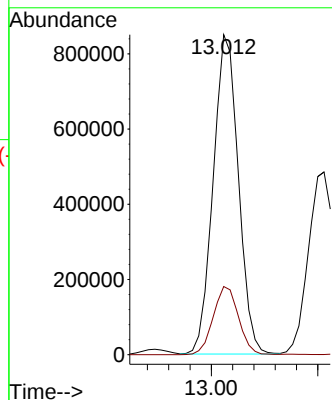
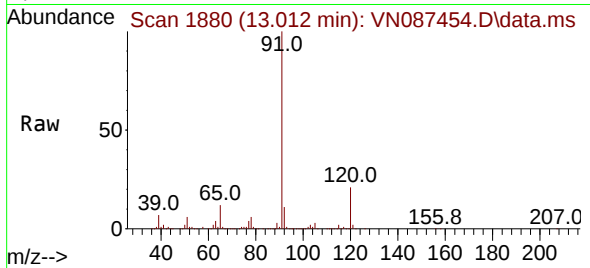




#74
n-propylbenzene
Concen: 45.781 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

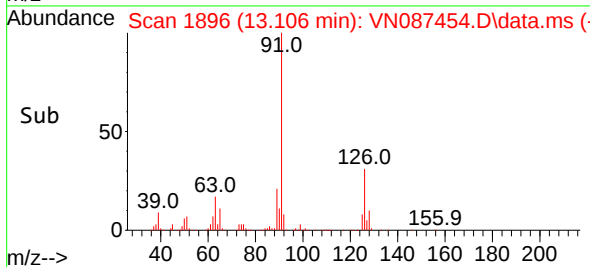
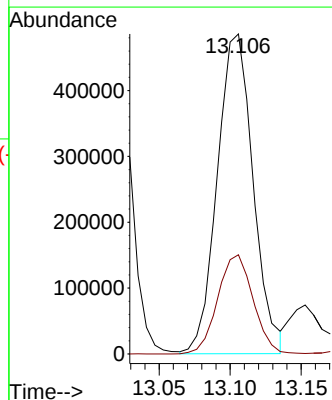
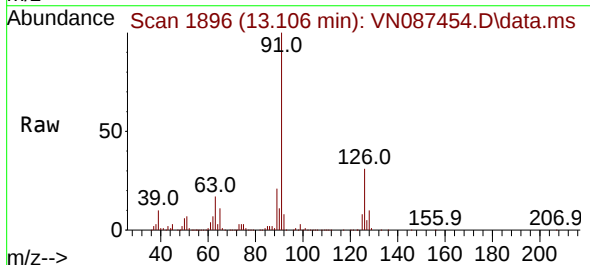
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

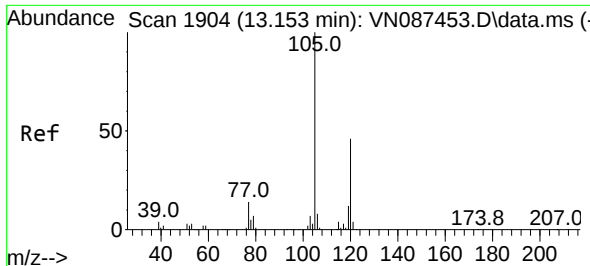
Tgt Ion: 91 Resp: 1391658
Ion Ratio Lower Upper
91 100
120 21.4 0.0 41.8



#75
2-Chlorotoluene
Concen: 45.659 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 91 Resp: 853763
Ion Ratio Lower Upper
91 100
126 30.6 0.0 60.4

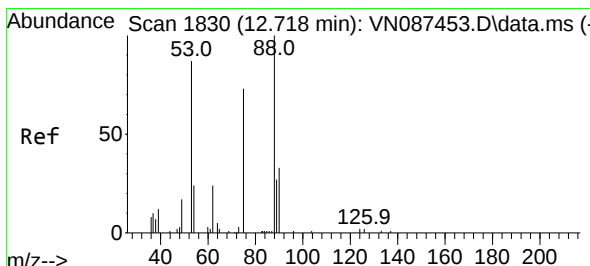
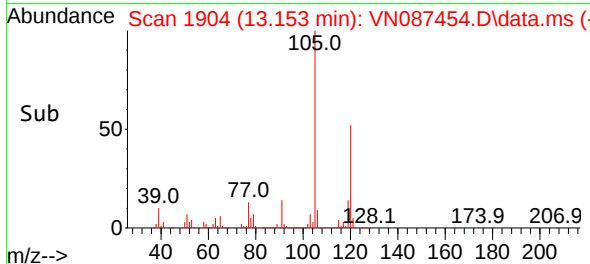
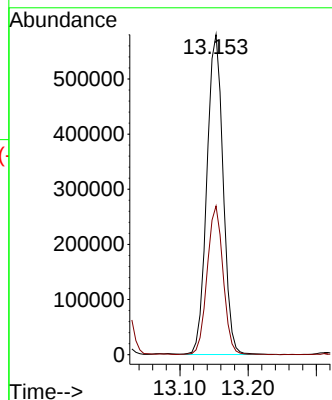
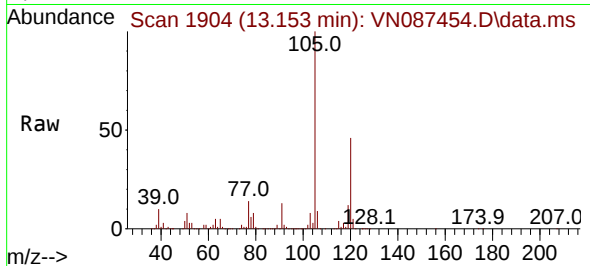




#76
 1,3,5-Trimethylbenzene
 Concen: 46.118 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

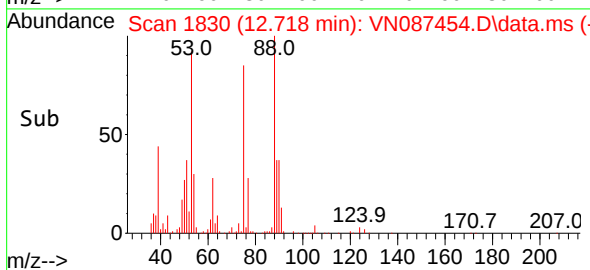
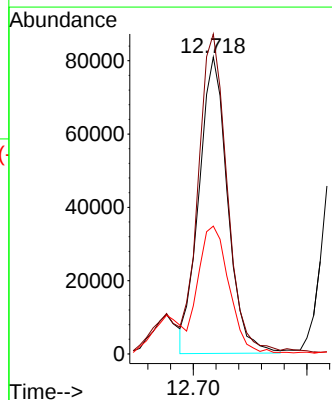
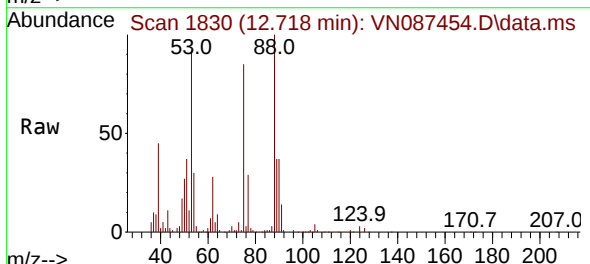
Instrument :
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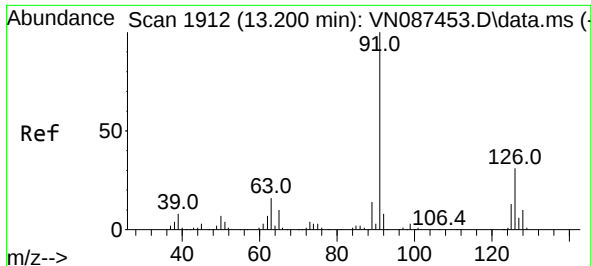
Tgt Ion:105 Resp: 961117
 Ion Ratio Lower Upper
 105 100
 120 45.8 0.0 91.2



#77
 t-1,4-Dichloro-2-butene
 Concen: 48.111 ug/l
 RT: 12.718 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 75 Resp: 141496
 Ion Ratio Lower Upper
 75 100
 53 107.7 59.0 176.8
 89 43.0 22.1 66.5

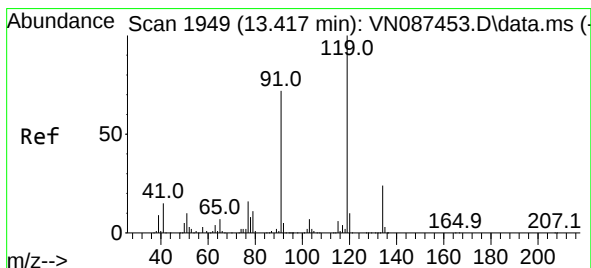
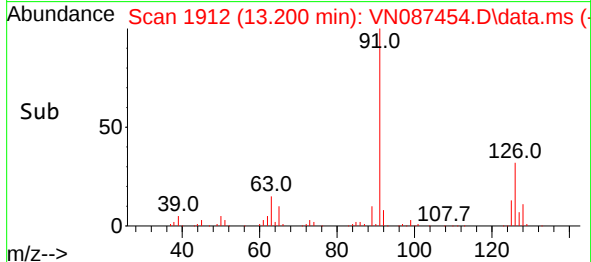
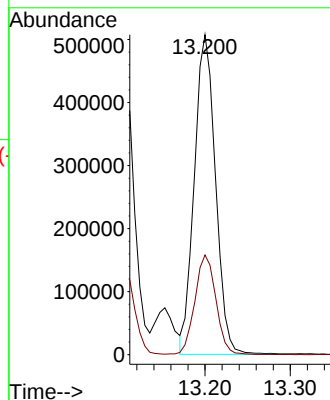
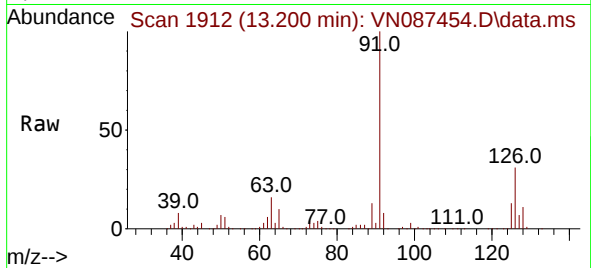




#78
4-Chlorotoluene
Concen: 46.192 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

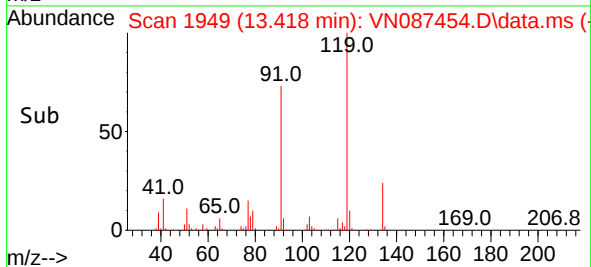
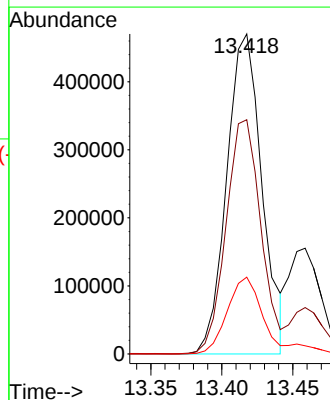
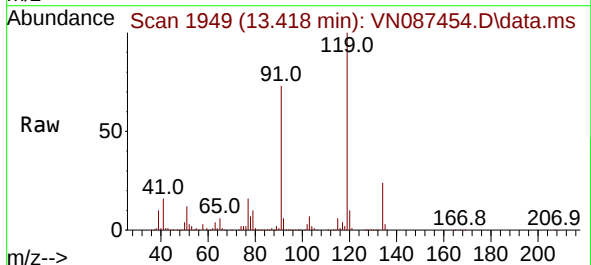
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

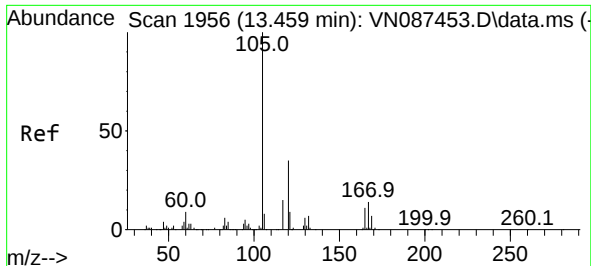
Tgt Ion: 91 Resp: 875292
Ion Ratio Lower Upper
91 100
126 31.1 0.0 63.2



#79
tert-butylbenzene
Concen: 46.311 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 119 Resp: 813723
Ion Ratio Lower Upper
119 100
91 72.0 0.0 141.6
134 23.1 0.0 45.6

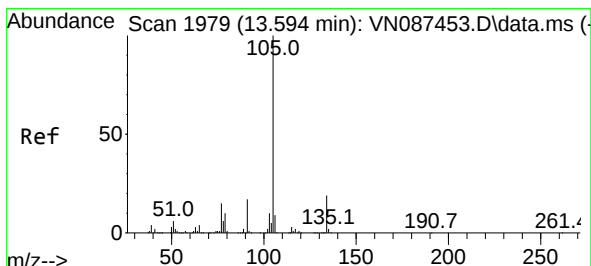
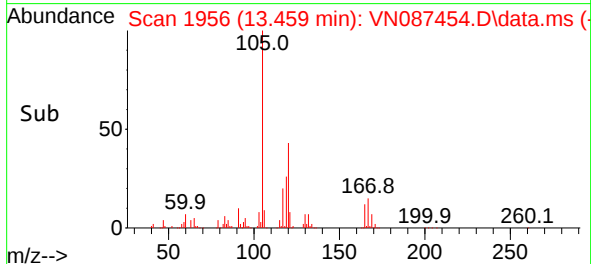
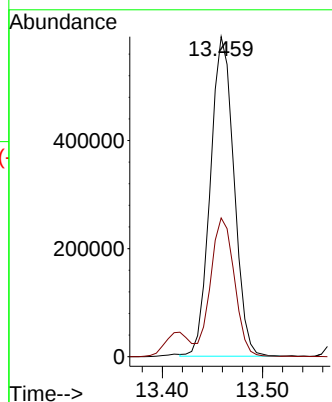
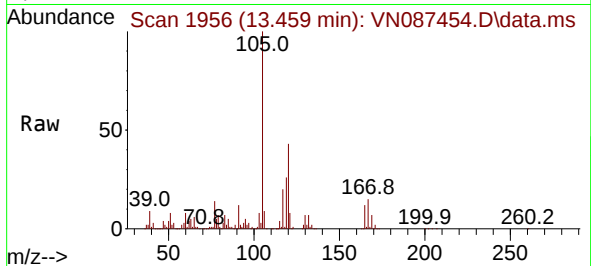




#80
1,2,4-Trimethylbenzene
Concen: 46.640 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

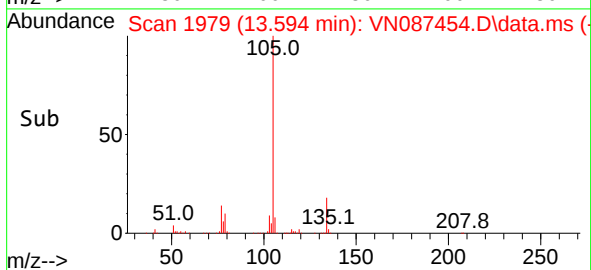
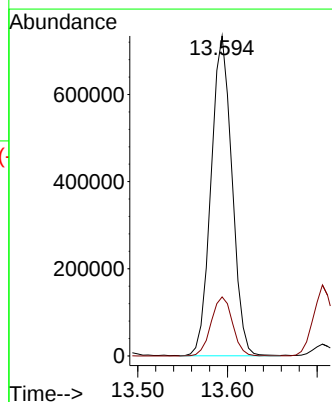
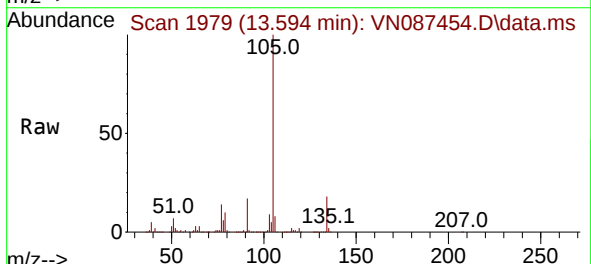
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

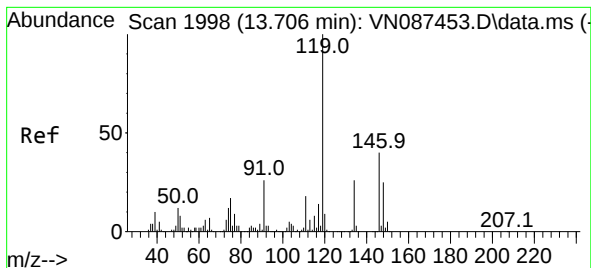
Tgt Ion:105 Resp: 971243
Ion Ratio Lower Upper
105 100
120 43.9 0.0 87.2



#81
sec-Butylbenzene
Concen: 46.465 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:105 Resp: 1188558
Ion Ratio Lower Upper
105 100
134 18.8 0.0 37.6





#82

p-Isopropyltoluene

Concen: 46.251 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

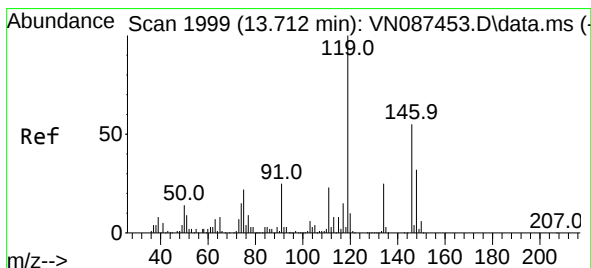
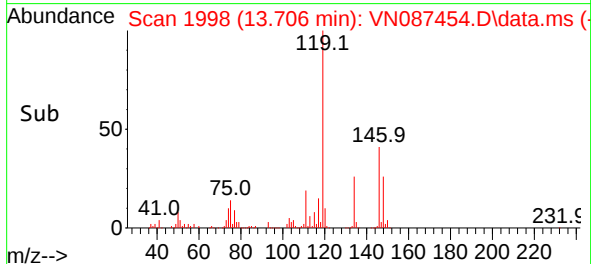
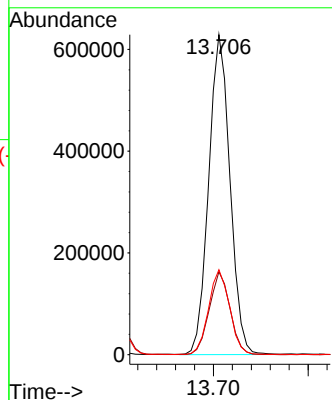
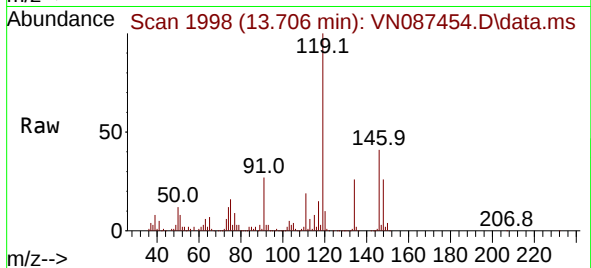
Tgt Ion:119 Resp: 982310

Ion Ratio Lower Upper

119 100

134 25.3 0.0 51.4

91 26.1 0.0 52.0



#83

1,3-Dichlorobenzene

Concen: 46.509 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

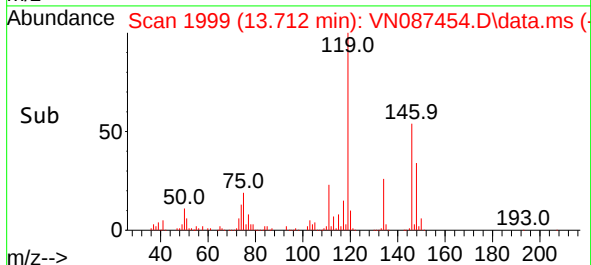
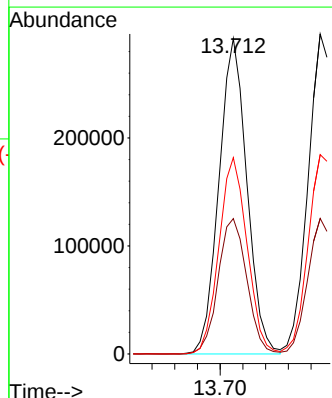
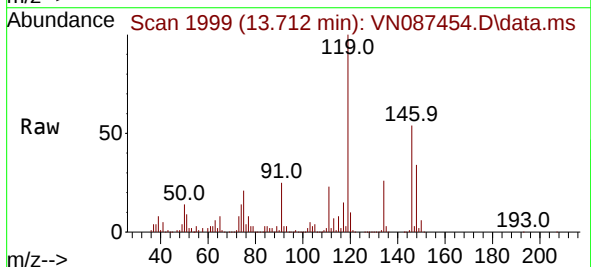
Tgt Ion:146 Resp: 499720

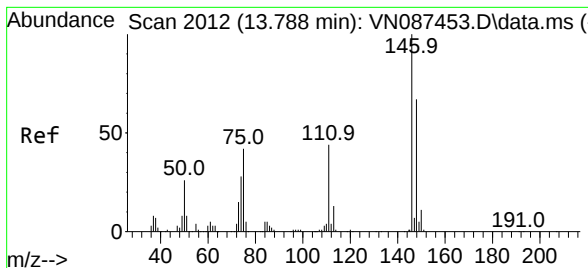
Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.5

148 62.7 31.3 93.9





#84

1,4-Dichlorobenzene

Concen: 46.603 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

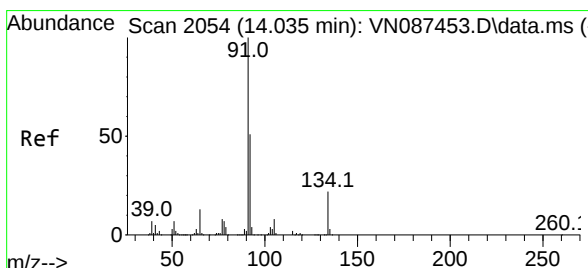
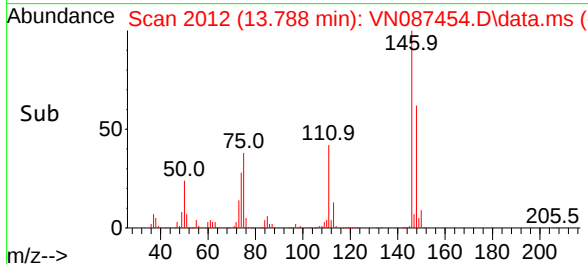
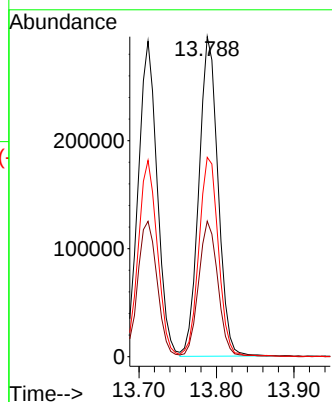
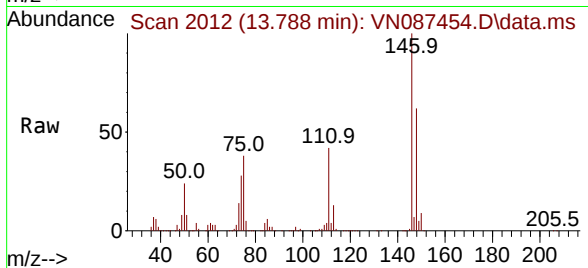
Tgt Ion:146 Resp: 507658

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.1

148 63.3 31.4 94.3



#85

n-Butylbenzene

Concen: 46.785 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

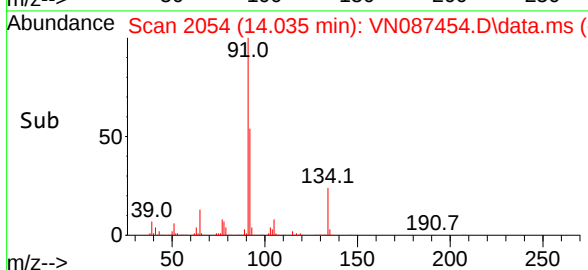
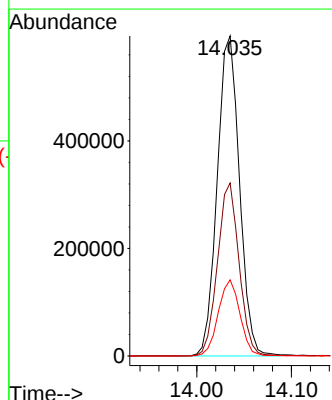
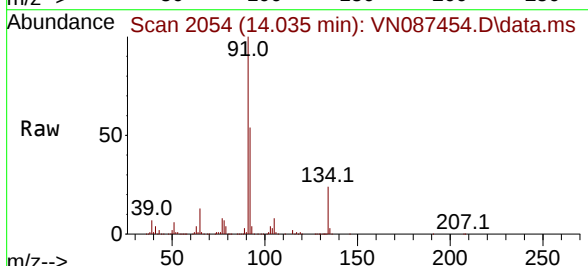
Tgt Ion: 91 Resp: 972192

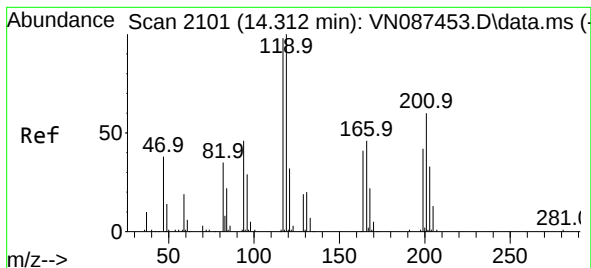
Ion Ratio Lower Upper

91 100

92 52.4 0.0 106.6

134 23.2 0.0 44.4





#86

Hexachloroethane

Concen: 46.458 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

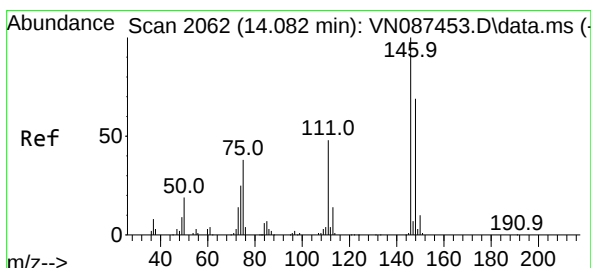
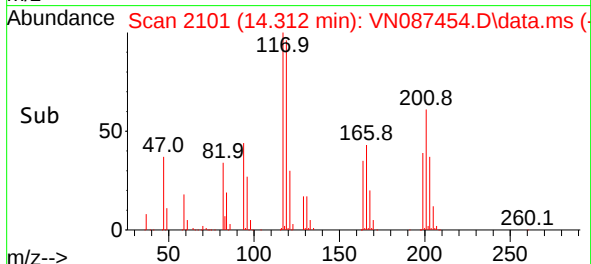
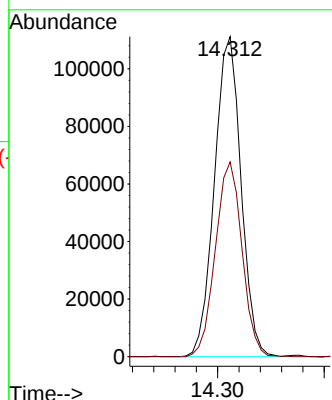
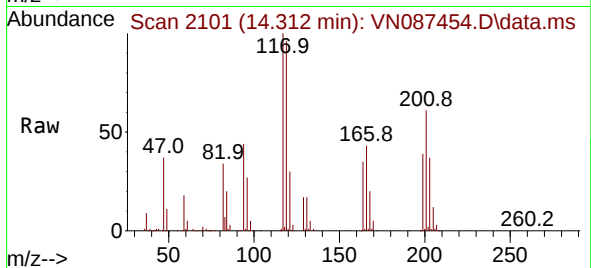
VSTDIC050

Tgt Ion:117 Resp: 192686

Ion Ratio Lower Upper

117 100

201 60.7 29.1 87.4



#87

1,2-Dichlorobenzene

Concen: 47.005 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

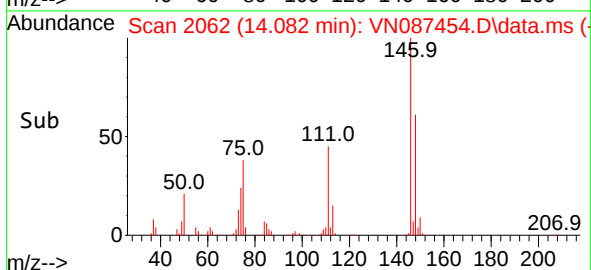
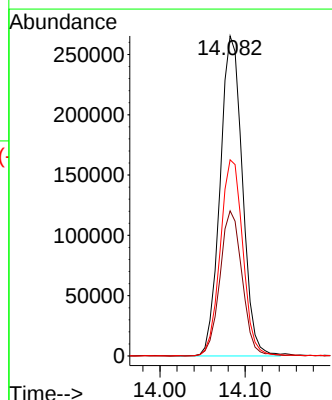
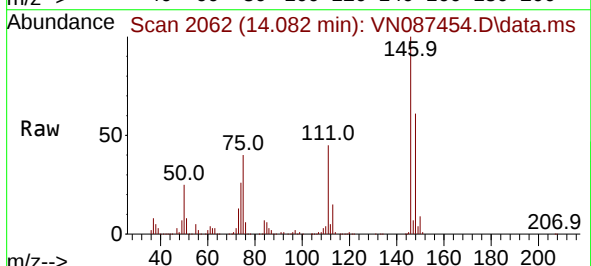
Tgt Ion:146 Resp: 482093

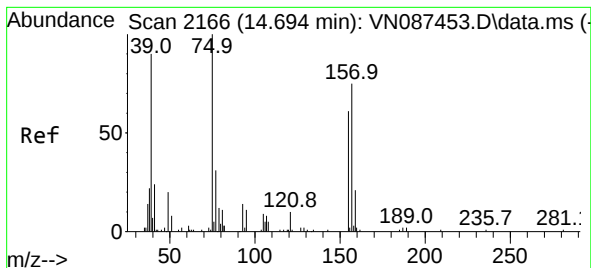
Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.7

148 62.4 31.6 94.7

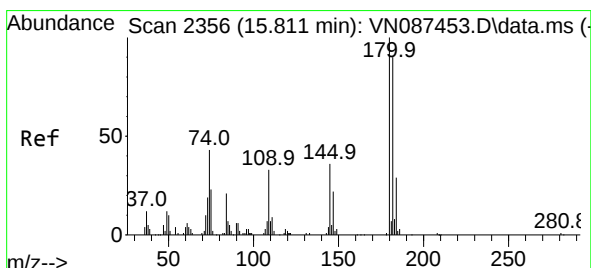
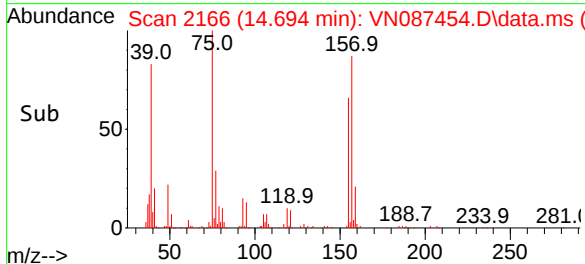
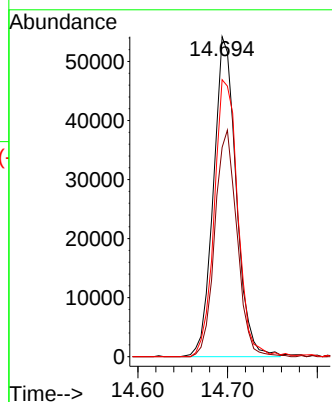
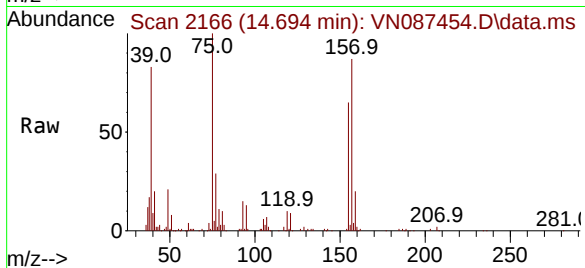




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 45.236 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

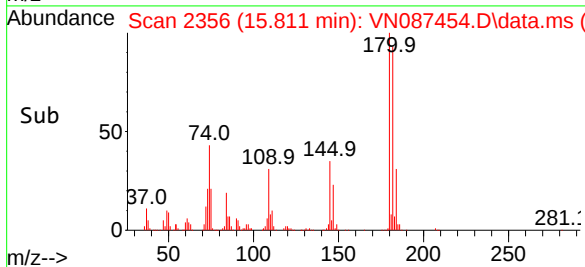
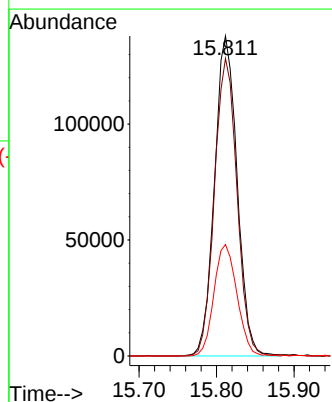
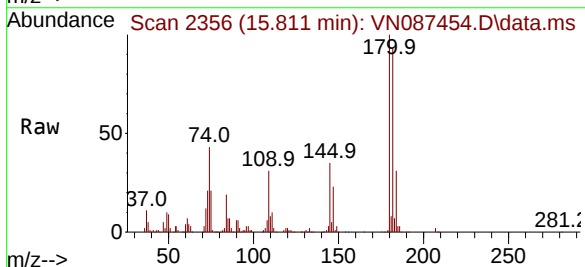
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

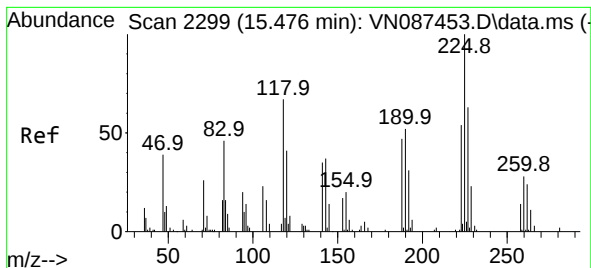
Tgt Ion: 75 Resp: 95570
 Ion Ratio Lower Upper
 75 100
 155 69.0 55.7 83.5
 157 89.7 65.8 98.6



#89
 1,2,4-Trichlorobenzene
 Concen: 45.643 ug/l
 RT: 15.811 min Scan# 2356
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 180 Resp: 279770
 Ion Ratio Lower Upper
 180 100
 182 92.5 75.0 112.4
 145 35.5 28.6 43.0





#90

Hexachlorobutadiene

Concen: 44.624 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

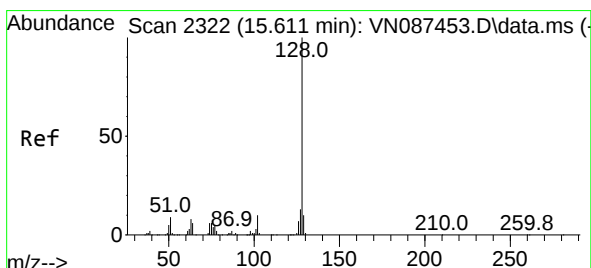
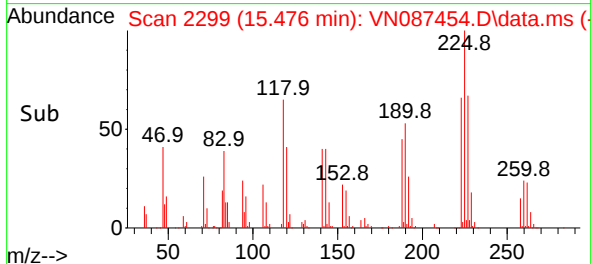
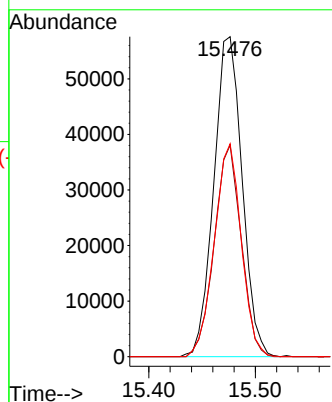
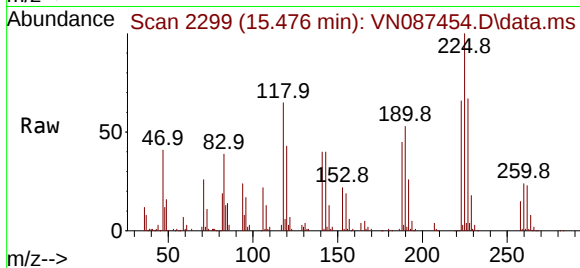
Tgt Ion:225 Resp: 106360

Ion Ratio Lower Upper

225 100

223 63.0 0.0 116.0

227 63.2 0.0 127.0



#91

Naphthalene

Concen: 46.078 ug/l

RT: 15.611 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

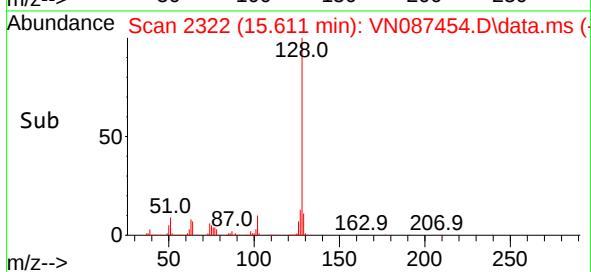
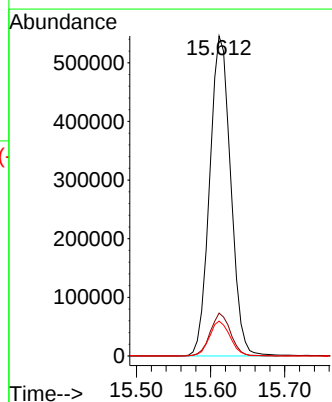
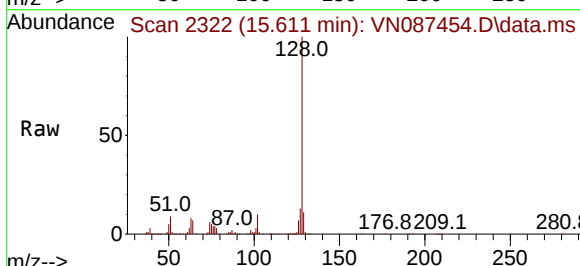
Tgt Ion:128 Resp: 1076915

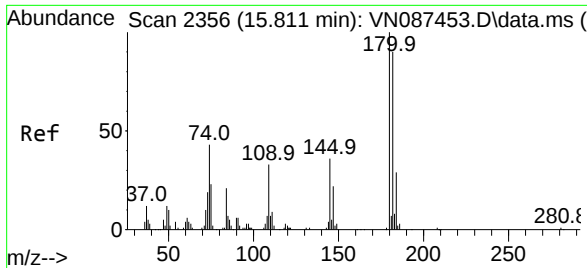
Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

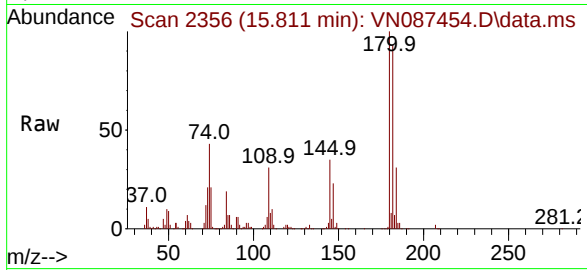
129 10.7 8.9 13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 45.643 ug/l
 RT: 15.811 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion:	180	Resp:	279770
Ion Ratio	Lower	Upper	
180	100		
182	92.5	0.0	187.4
145	35.5	0.0	71.6

