

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087164.D
 Acq On : 25 Jun 2025 09:41
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Jun 25 15:24:35 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	36297	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	191792	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	183711	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	80238	29.340	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.800%		
60) 4-Bromofluorobenzene	12.847	95	86398	30.477	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.600%		
63) Toluene-d8	10.565	98	241406	29.266	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	105036	48.073	ug/l	97
3) Chloromethane	2.395	50	108859	48.779	ug/l	98
4) Vinyl Chloride	2.554	62	116298	47.949	ug/l	95
5) Bromomethane	2.995	94	59883	46.522	ug/l	94
6) Chloroethane	3.154	64	62900	48.345	ug/l	97
7) Trichlorofluoromethane	3.530	101	144121	48.443	ug/l	99
8) Diethyl Ether	3.983	74	70868	48.484	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.401	101	108149	49.031	ug/l #	88
10) 1,1-Dichloroethene	4.365	96	107618	48.946	ug/l	95
11) Methyl Iodide	4.612	142	104934	53.271	ug/l	91
12) Methyl Acetate	5.042	43	172834	50.113	ug/l	97
13) Acrolein	4.201	56	122967	232.036	ug/l	100
14) Acrylonitrile	5.736	53	406413	252.636	ug/l	98
15) Acetone	4.448	58	116774	248.849	ug/l	94
16) Carbon Disulfide	4.742	76	310088	48.235	ug/l	100
17) Allyl chloride	5.048	41	180781	49.849	ug/l	97
18) Methylene Chloride	5.300	84	124740	48.972	ug/l	98
19) trans-1,2-Dichloroethene	5.812	96	118244	49.176	ug/l	94
20) Diisopropyl ether	6.689	45	395621	51.418	ug/l	95
21) 1,1-Dichloroethane	6.583	63	225376	49.010	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	143629	51.324	ug/l	97
23) tert-Butyl Alcohol	5.536	59	152814	252.588	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	385760	50.024	ug/l	98
25) Chloroform	7.971	83	221377	50.249	ug/l	98
26) Cyclohexane	8.265	56	193421	50.601	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	160517	53.697	ug/l	98
30) 2-Butanone	7.489	43	546757	271.144	ug/l	99
31) 2,2-Dichloropropane	7.500	77	190958	52.919	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185977	53.253	ug/l	99
33) Carbon Tetrachloride	8.371	117	153386	52.190	ug/l	97
34) Benzene	8.612	78	503072	53.121	ug/l	98
35) Methacrylonitrile	7.789	41	109229	53.749	ug/l	95
36) 1,2-Dichloroethane	8.677	62	161947	52.927	ug/l	97
37) Trichloroethene	9.359	130	112377	51.445	ug/l	89
38) Methylcyclohexane	9.606	83	170475	49.702	ug/l	98
39) 1,2-Dichloropropane	9.624	63	117960	49.626	ug/l	96
40) Dibromomethane	9.712	93	82459	51.017	ug/l	99
41) Bromodichloromethane	9.888	83	167016	51.194	ug/l	99
42) Vinyl Acetate	6.618	43	1770137	269.894	ug/l	99

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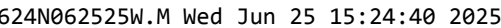
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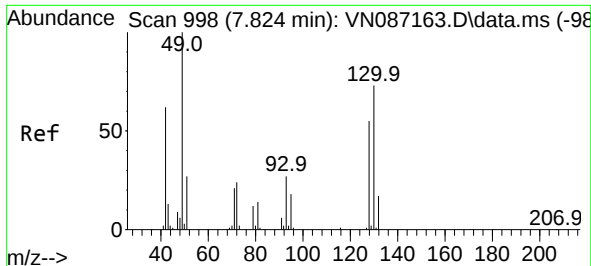
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	209283	57.492	ug/l	98
44) Isopropyl Acetate	8.694	43	318572	53.714	ug/l	97
45) 1,4-Dioxane	9.700	88	42097	1049.274	ug/l	90
46) Methyl methacrylate	9.683	41	142798	51.792	ug/l	95
47) n-amyl Acetate	12.518	43	180529	49.786	ug/l #	100
48) t-1,3-Dichloropropene	10.835	75	196045	53.904	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	193737	50.108	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	120146	52.329	ug/l	98
51) Ethyl methacrylate	10.882	69	196419	56.207	ug/l	98
52) 1,3-Dichloropropane	11.165	76	208157	52.809	ug/l	98
53) Dibromochloromethane	11.359	129	128273	53.223	ug/l	98
54) 1,2-Dibromoethane	11.471	107	122070	51.533	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	502611	250.920	ug/l	100
56) Bromoform	12.576	173	86503	52.211	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	987570	267.397	ug/l	100
59) 2-Hexanone	11.200	43	673308	282.328	ug/l	97
61) Tetrachloroethene	11.106	164	92124	50.637	ug/l	96
62) Toluene	10.630	91	526581	50.751	ug/l	99
64) Chlorobenzene	11.894	112	338627	51.164	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	111613	51.039	ug/l	98
66) Ethyl Benzene	11.965	91	589779	51.932	ug/l	99
67) m/p-Xylenes	12.071	106	454250	104.379	ug/l	99
68) o-Xylene	12.400	106	217114	52.292	ug/l	99
69) Styrene	12.412	104	379767	53.279	ug/l	99
70) Isopropylbenzene	12.694	105	547639	52.961	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	194527	52.264	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	266413	83.004	ug/l	52
73) Bromobenzene	12.982	156	130892	52.183	ug/l	98
74) n-propylbenzene	13.035	91	680365	53.858	ug/l	99
75) 2-Chlorotoluene	13.123	91	403198	52.830	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	458902	54.514	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	75763	53.215	ug/l	98
78) 4-Chlorotoluene	13.218	91	420022	53.734	ug/l	99
79) tert-butylbenzene	13.435	119	389222	55.005	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	466397	55.175	ug/l	98
81) sec-Butylbenzene	13.612	105	564906	54.918	ug/l	99
82) p-Isopropyltoluene	13.729	119	469774	54.879	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	257282	53.265	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	260975	53.684	ug/l	99
85) n-Butylbenzene	14.053	91	438545	56.150	ug/l	99
86) Hexachloroethane	14.329	117	86176	53.183	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	246553	54.135	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	43840	52.309	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	127450	49.462	ug/l	97
90) Hexachlorobutadiene	15.494	225	40360	52.784	ug/l	97
91) Naphthalene	15.635	128	528628	52.127	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	127450	49.462	ug/l	97

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

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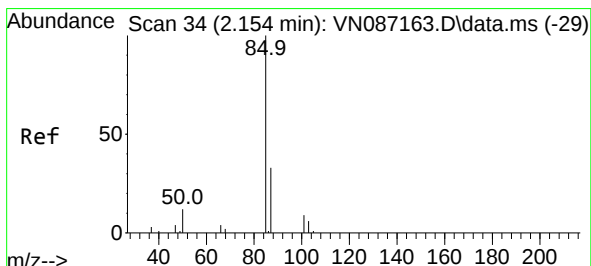
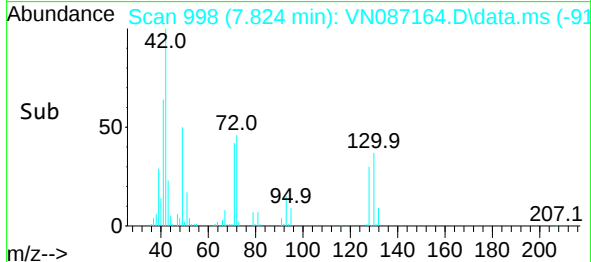
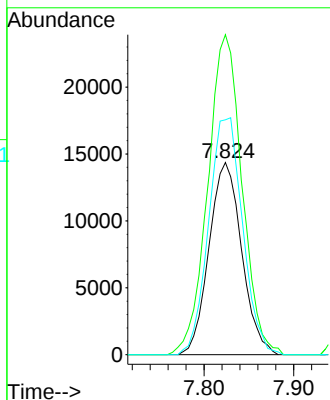
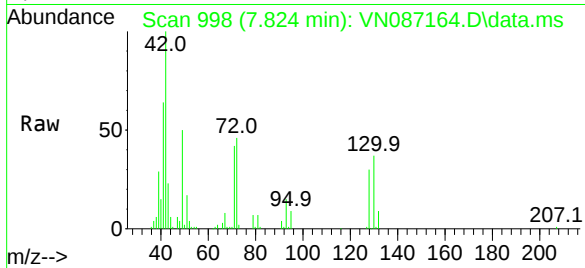




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

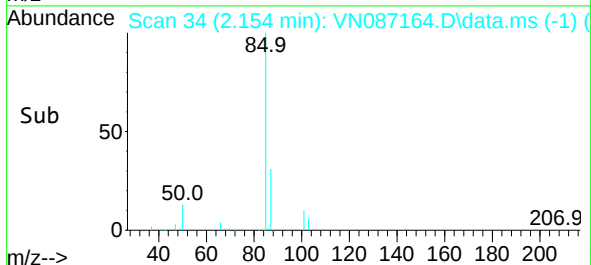
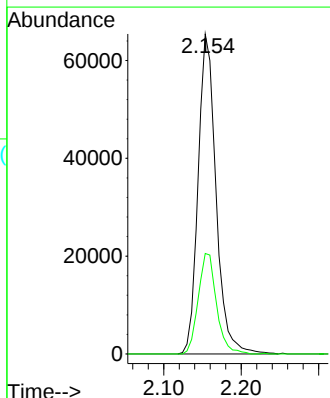
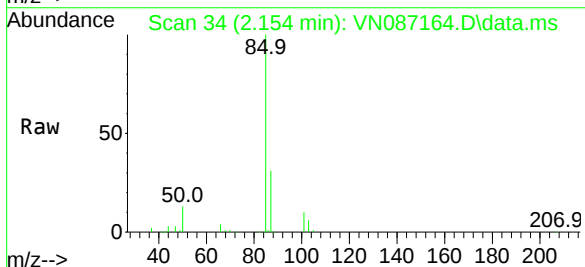
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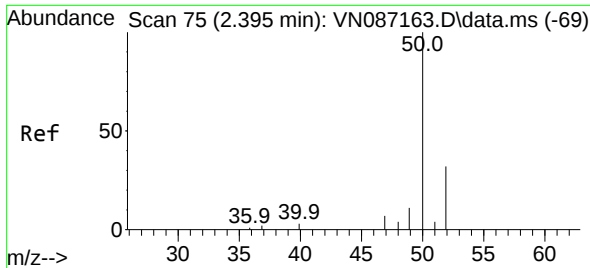
Tgt Ion:128 Resp: 36297
Ion Ratio Lower Upper
128 100
49 174.2 0.0 450.5
130 128.5 0.0 320.7



#2
Dichlorodifluoromethane
Concen: 48.073 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 85 Resp: 105036
Ion Ratio Lower Upper
85 100
87 31.4 16.7 50.0

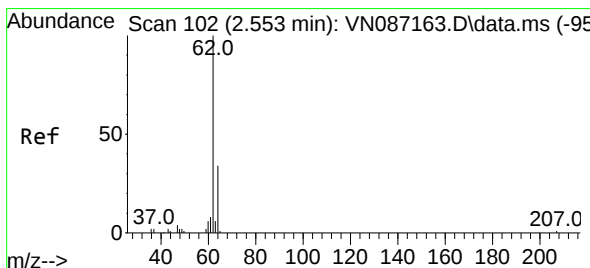
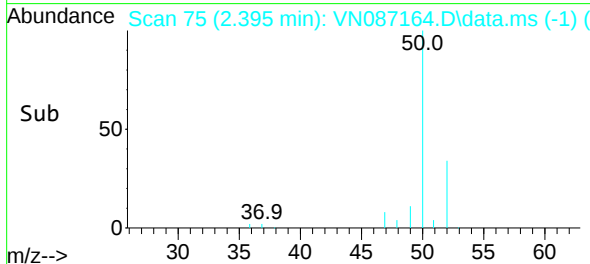
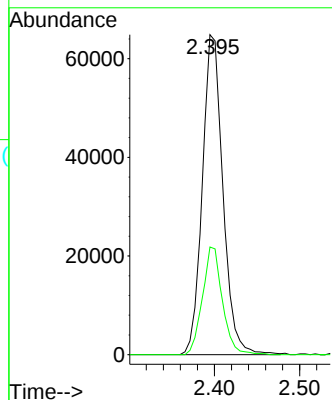
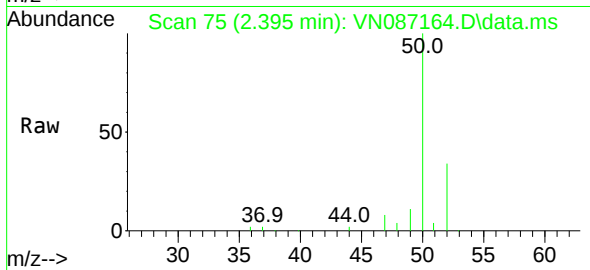




#3
Chloromethane
Concen: 48.779 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

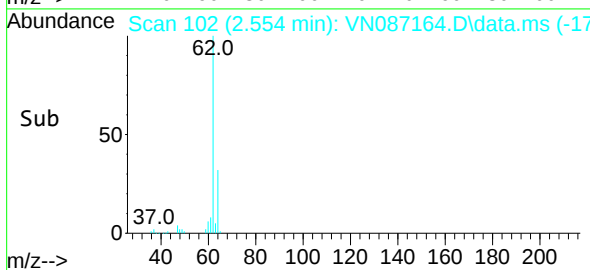
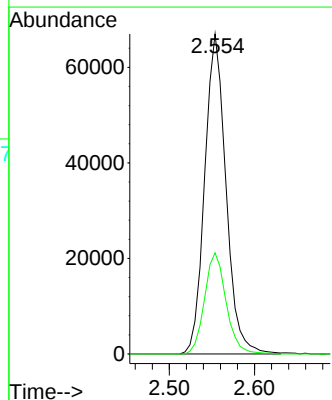
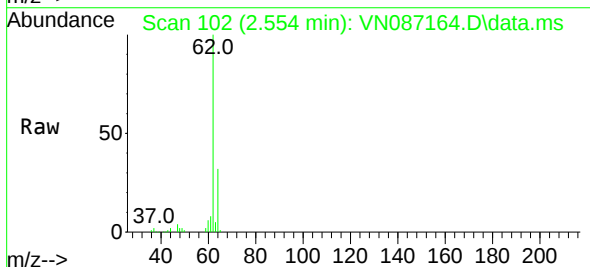
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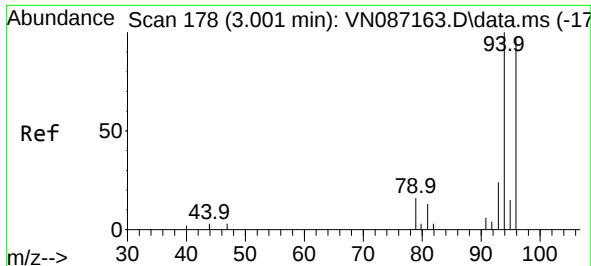
Tgt Ion: 50 Resp: 108859
Ion Ratio Lower Upper
50 100
52 33.7 25.9 38.9



#4
Vinyl Chloride
Concen: 47.949 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 62 Resp: 116298
Ion Ratio Lower Upper
62 100
64 31.6 27.4 41.2

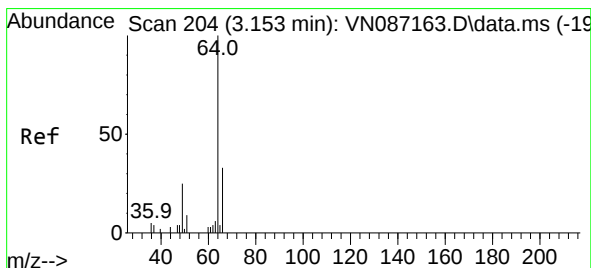
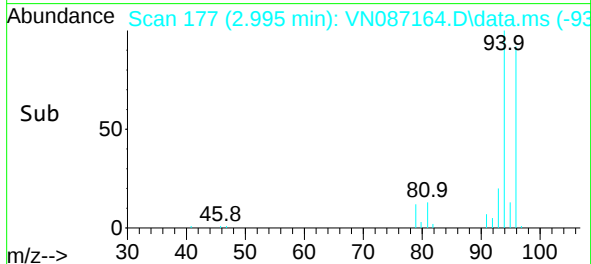
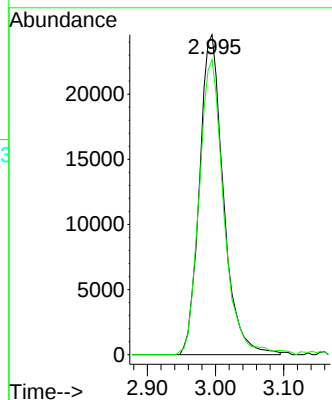
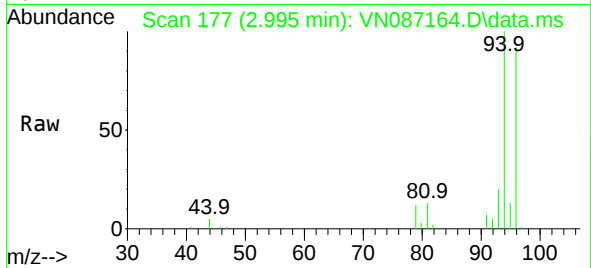




#5
Bromomethane
Concen: 46.522 ug/l
RT: 2.995 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

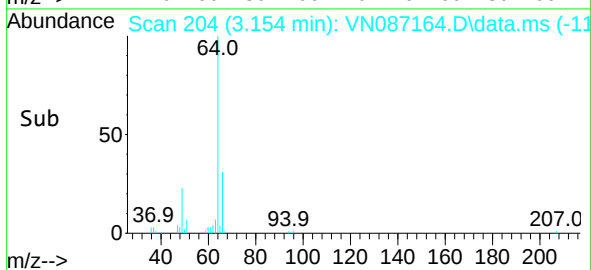
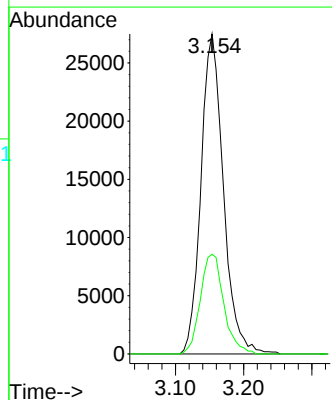
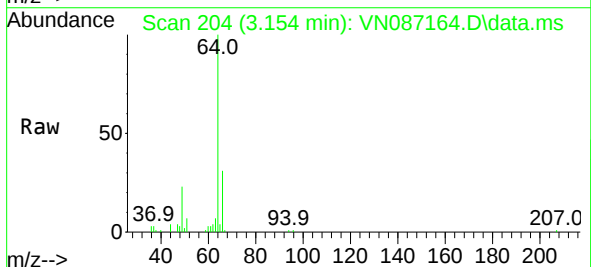
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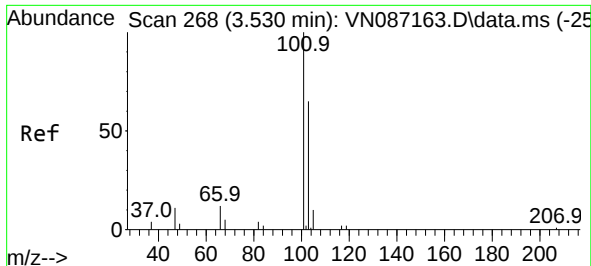
Tgt Ion: 94 Resp: 59883
Ion Ratio Lower Upper
94 100
96 91.1 77.9 116.9



#6
Chloroethane
Concen: 48.345 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 64 Resp: 62900
Ion Ratio Lower Upper
64 100
66 31.2 26.4 39.6

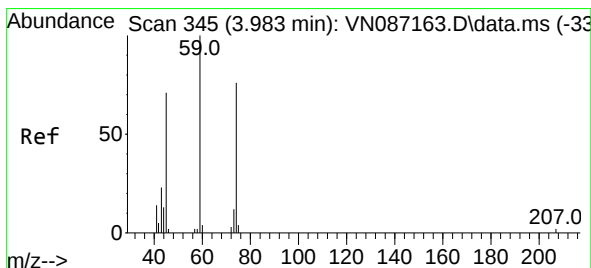
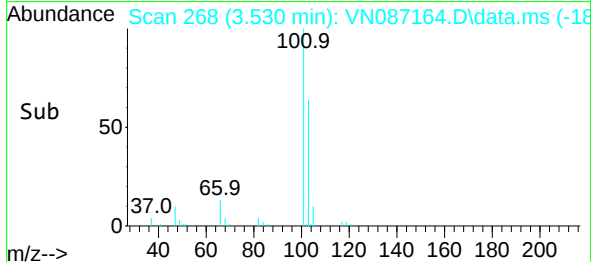
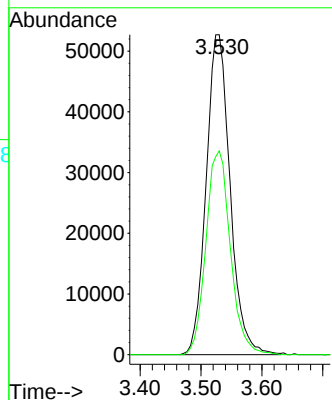
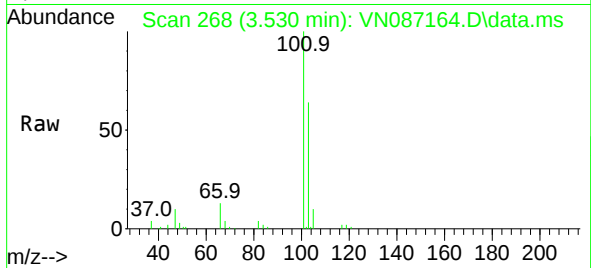




#7
 Trichlorofluoromethane
 Concen: 48.443 ug/l
 RT: 3.530 min Scan# 268
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

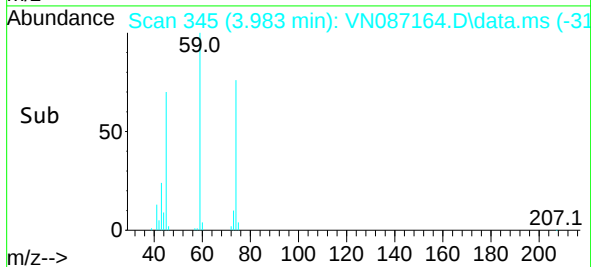
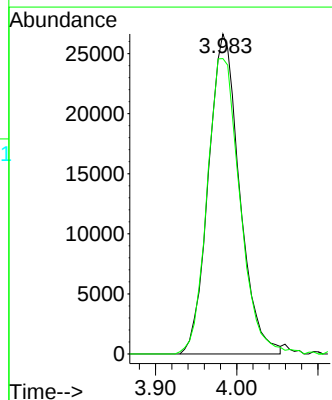
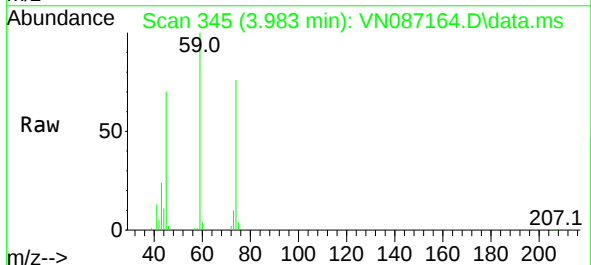
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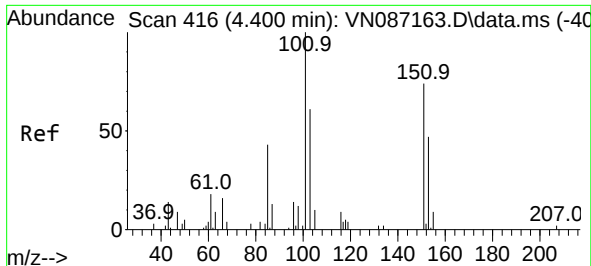
Tgt Ion:101 Resp: 144121
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8



#8
 Diethyl Ether
 Concen: 48.484 ug/l
 RT: 3.983 min Scan# 345
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion: 74 Resp: 70868
 Ion Ratio Lower Upper
 74 100
 45 96.9 19.0 171.0

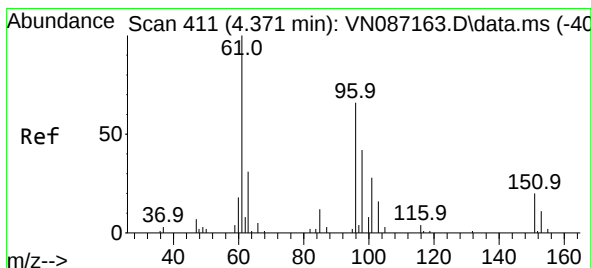
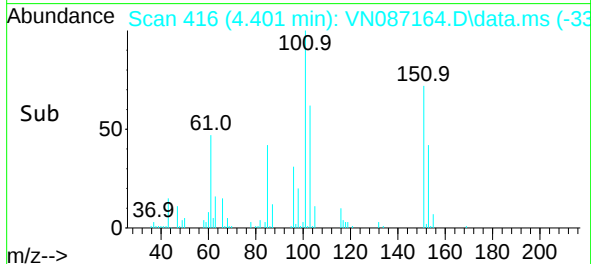
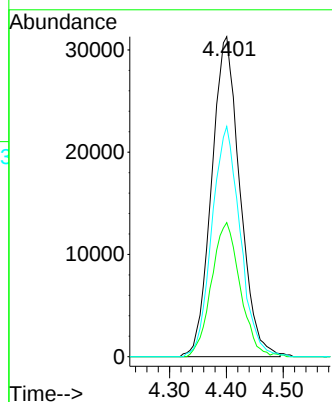
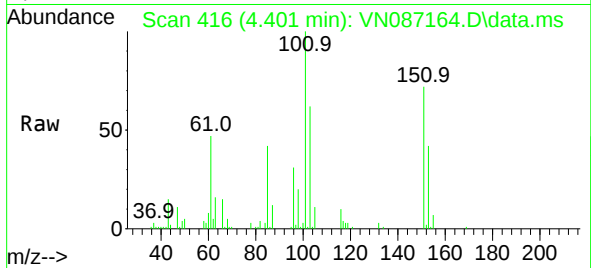




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.031 ug/l
 RT: 4.401 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

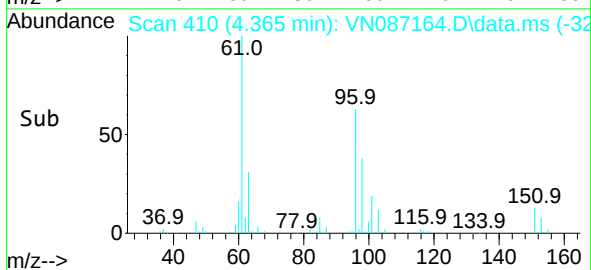
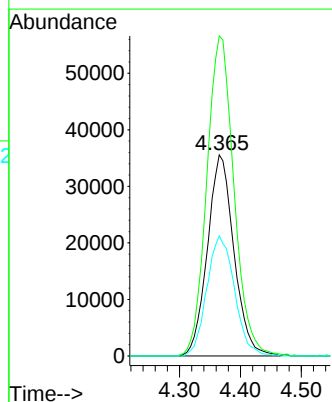
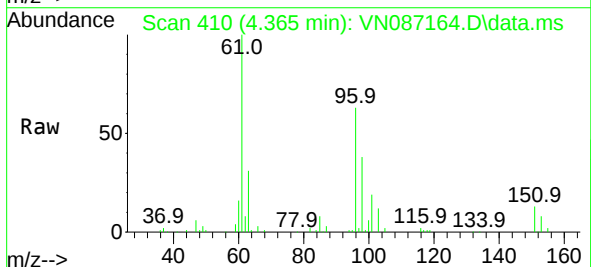
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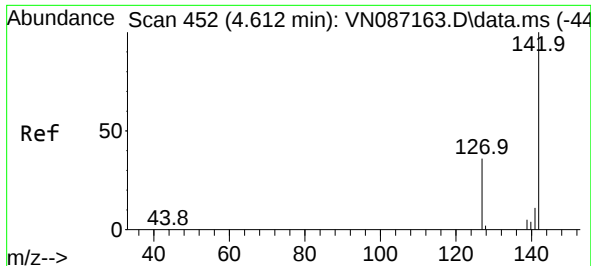
Tgt Ion:101 Resp: 108149
 Ion Ratio Lower Upper
 101 100
 85 42.2 0.0 40.6#
 151 71.9 0.0 141.2



#10
 1,1-Dichloroethene
 Concen: 48.946 ug/l
 RT: 4.365 min Scan# 410
 Delta R.T. -0.006 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion: 96 Resp: 107618
 Ion Ratio Lower Upper
 96 100
 61 158.6 122.0 183.0
 98 59.8 50.3 75.5

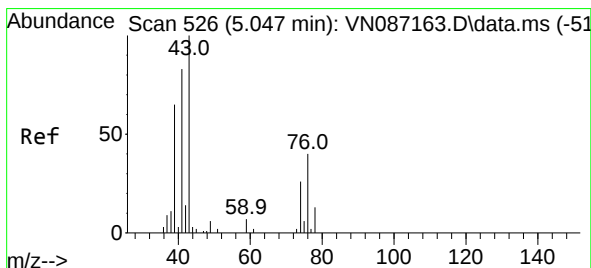
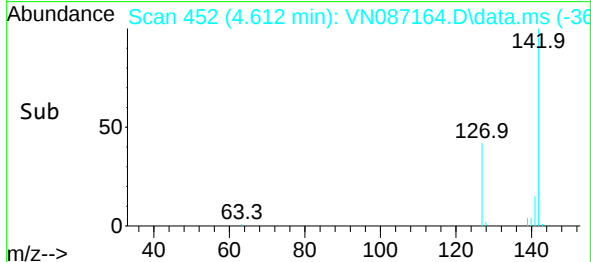
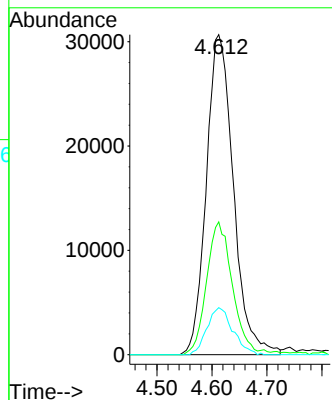
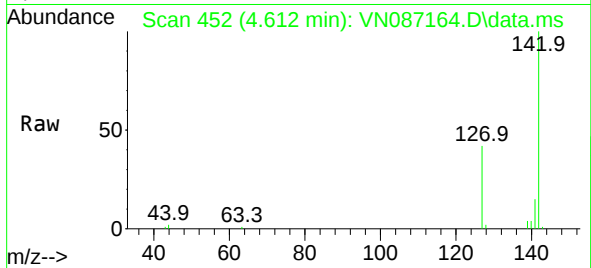




#11
Methyl Iodide
Concen: 53.271 ug/l
RT: 4.612 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

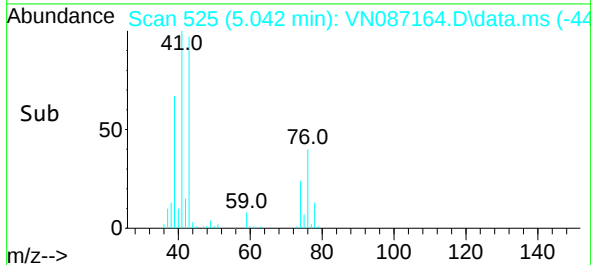
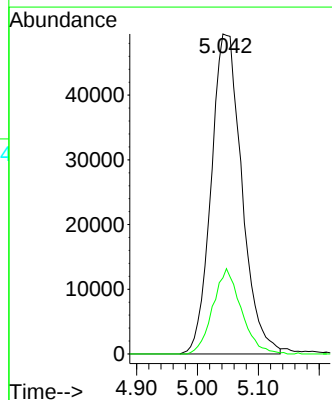
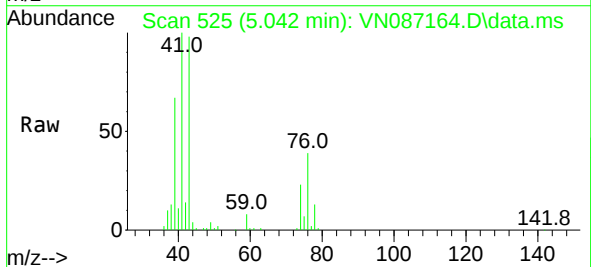
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

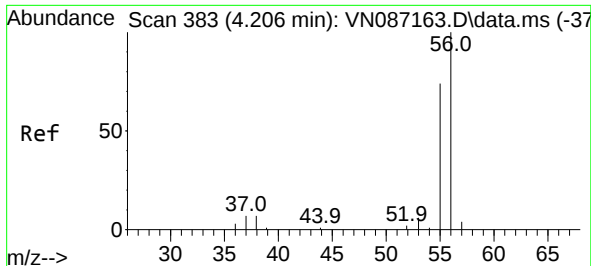
Tgt Ion:142 Resp: 104934
Ion Ratio Lower Upper
142 100
127 41.5 18.1 54.1
141 14.8 5.7 17.1



#12
Methyl Acetate
Concen: 50.113 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 43 Resp: 172834
Ion Ratio Lower Upper
43 100
74 23.8 20.3 30.5

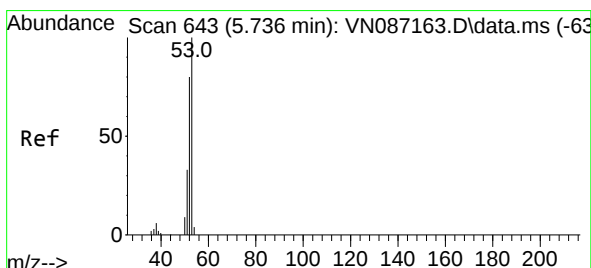
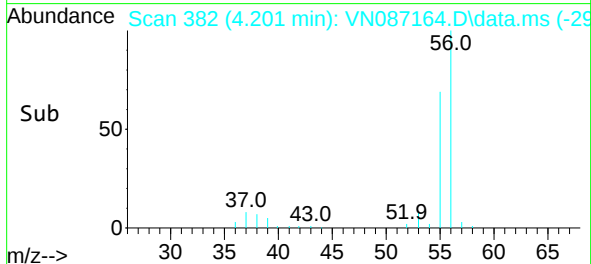
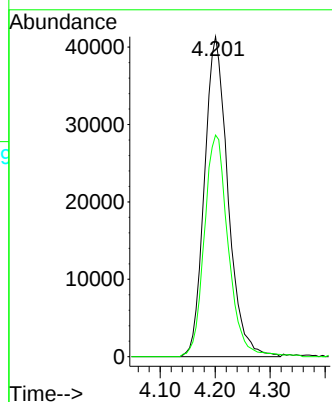
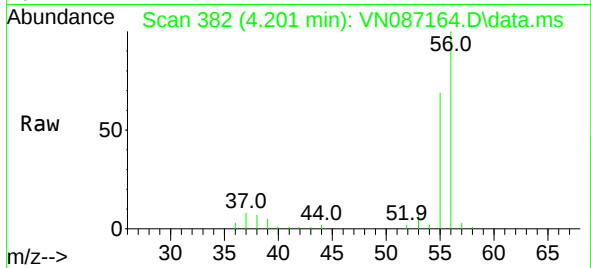




#13
Acrolein
Concen: 232.036 ug/l
RT: 4.201 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

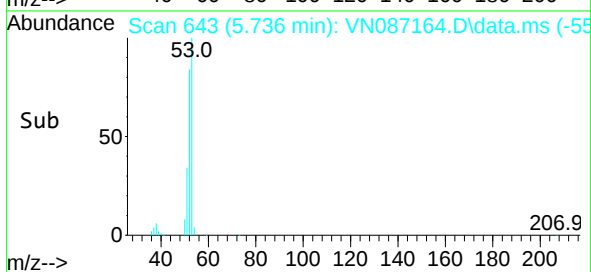
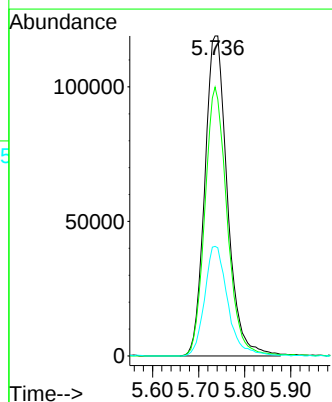
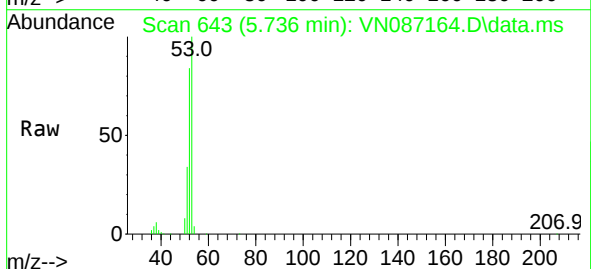
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

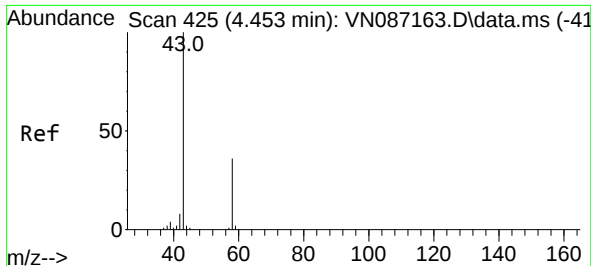
Tgt Ion: 56 Resp: 122967
Ion Ratio Lower Upper
56 100
55 69.5 55.7 83.5



#14
Acrylonitrile
Concen: 252.636 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 53 Resp: 406413
Ion Ratio Lower Upper
53 100
52 82.6 40.5 121.5
51 35.0 16.9 50.7

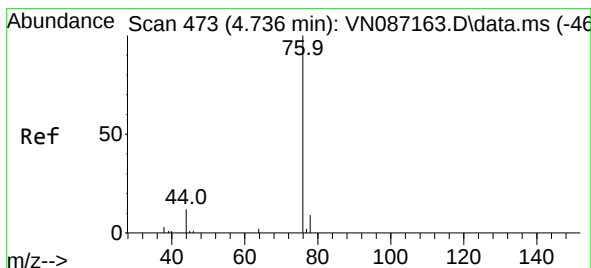
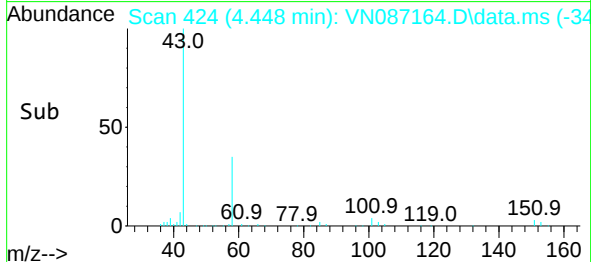
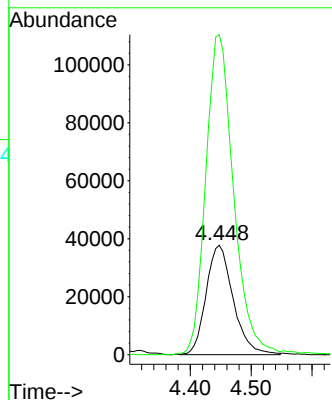
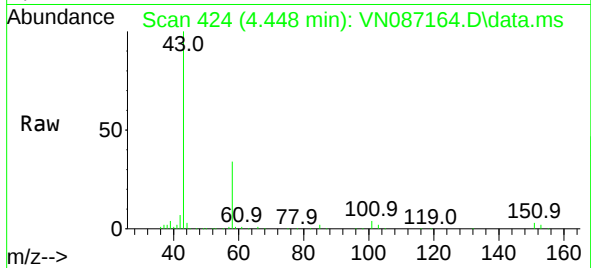




#15
Acetone
Concen: 248.849 ug/l
RT: 4.448 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

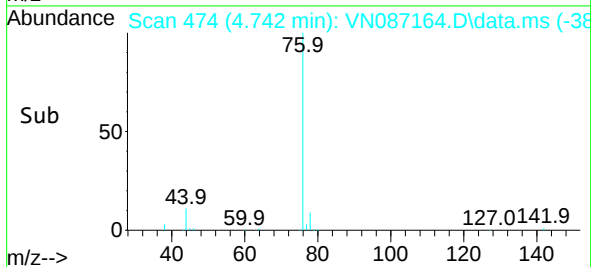
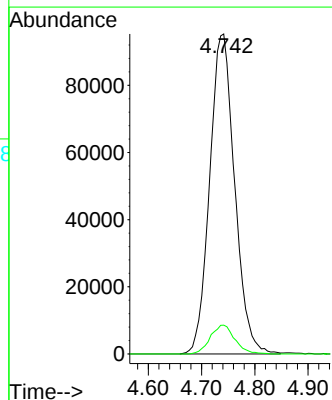
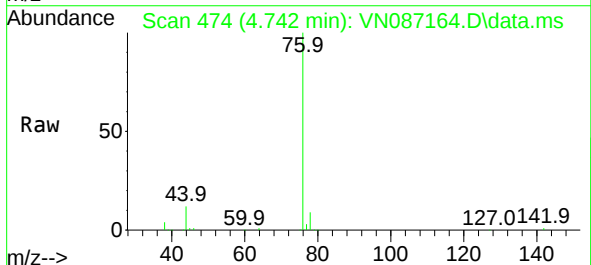
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

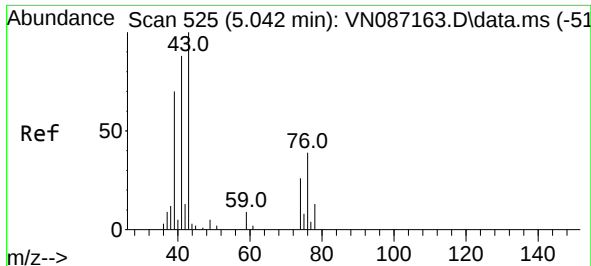
Tgt Ion: 58 Resp: 116774
Ion Ratio Lower Upper
58 100
43 291.0 224.3 336.5



#16
Carbon Disulfide
Concen: 48.235 ug/l
RT: 4.742 min Scan# 474
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 76 Resp: 310088
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

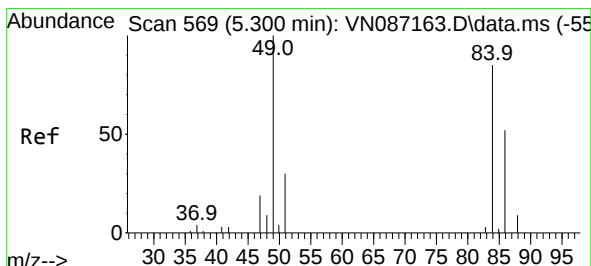
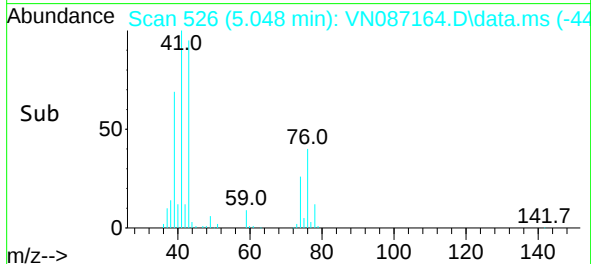
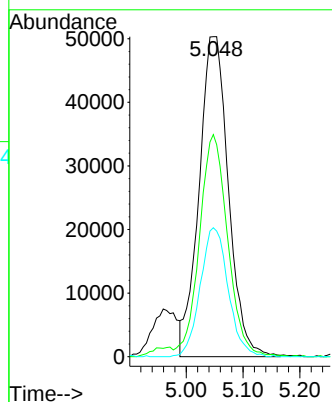
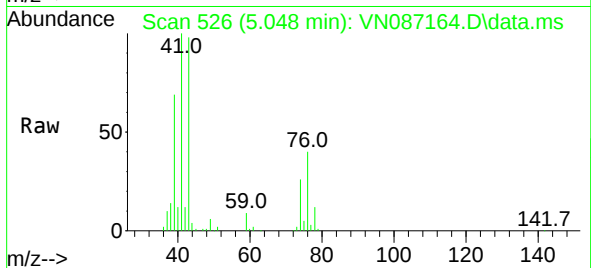




#17
 Allyl chloride
 Concen: 49.849 ug/l
 RT: 5.048 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

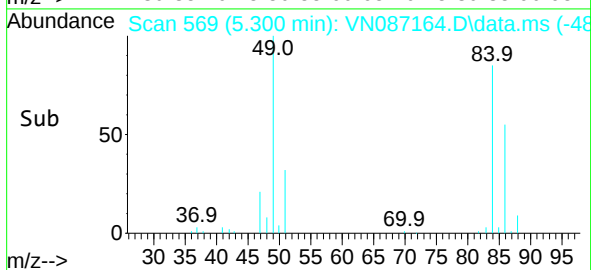
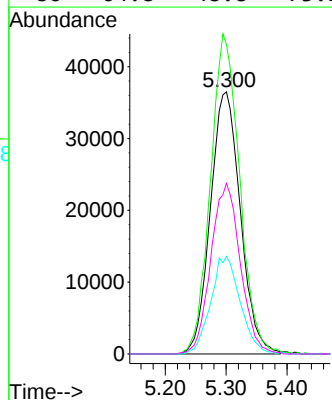
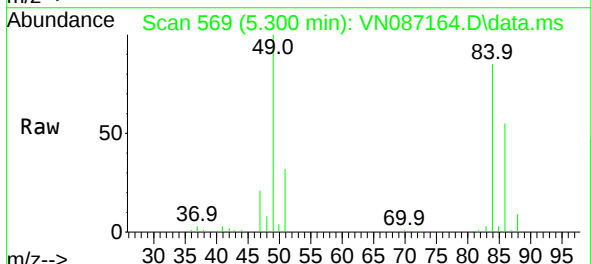
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

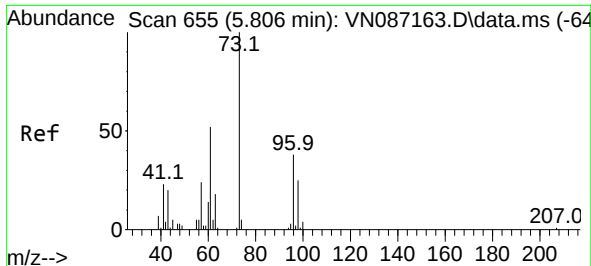
Tgt Ion: 41 Resp: 180781
 Ion Ratio Lower Upper
 41 100
 39 69.2 36.0 108.0
 76 40.5 19.5 58.5



#18
 Methylene Chloride
 Concen: 48.972 ug/l
 RT: 5.300 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion: 84 Resp: 124740
 Ion Ratio Lower Upper
 84 100
 49 118.2 94.0 141.0
 51 37.2 28.3 42.5
 86 64.8 48.8 73.2

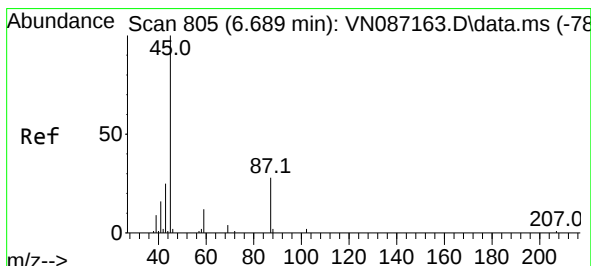
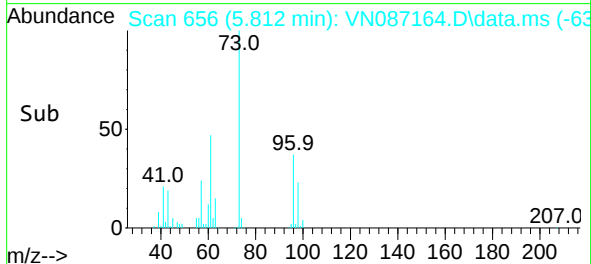
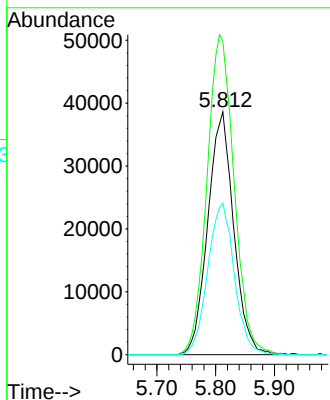
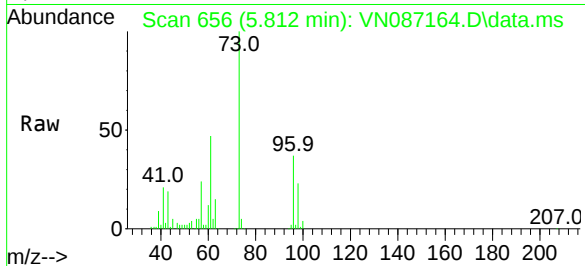




#19
trans-1,2-Dichloroethene
Concen: 49.176 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

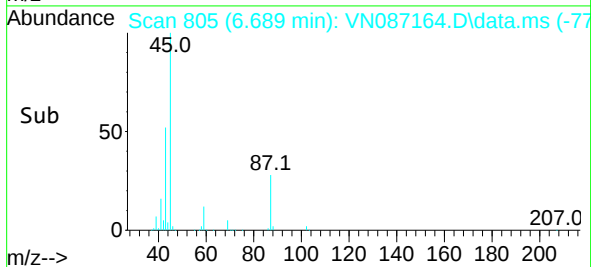
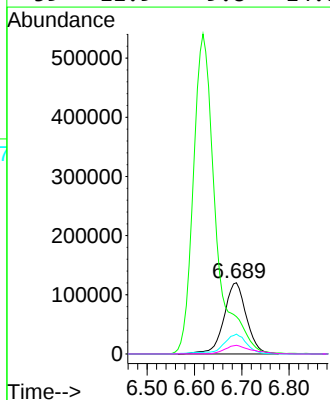
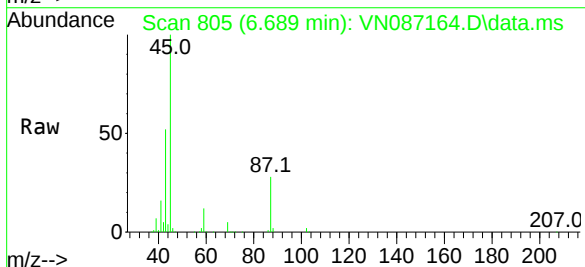
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 96 Resp: 118244
Ion Ratio Lower Upper
96 100
61 129.1 110.3 165.5
98 62.5 51.6 77.4



#20
Diisopropyl ether
Concen: 51.418 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 45 Resp: 395621
Ion Ratio Lower Upper
45 100
43 51.0 45.3 67.9
87 27.6 22.6 33.8
59 11.9 9.8 14.8

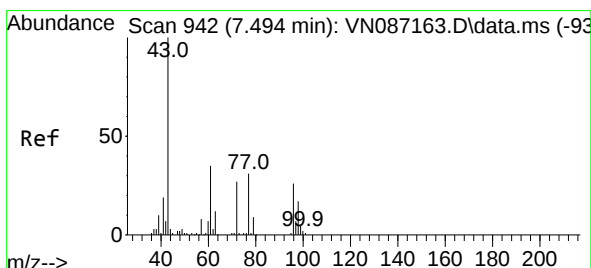
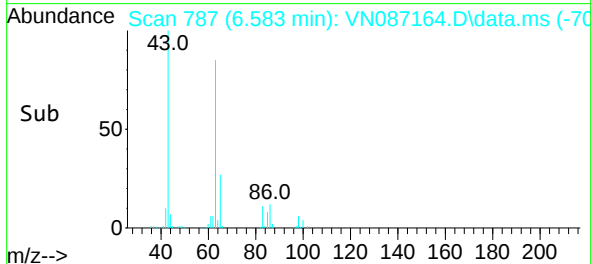
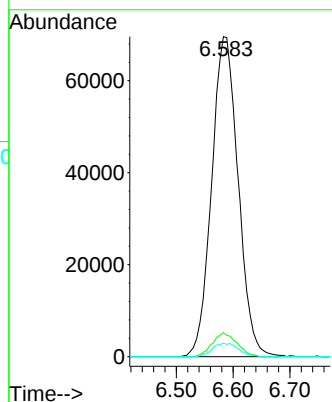
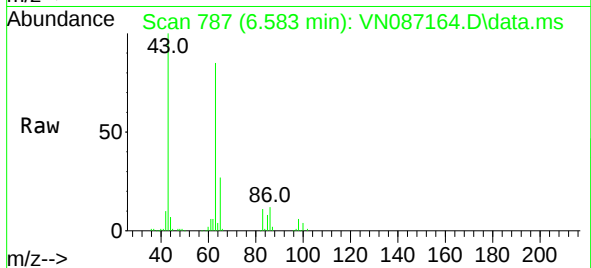




#21
1,1-Dichloroethane
Concen: 49.010 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

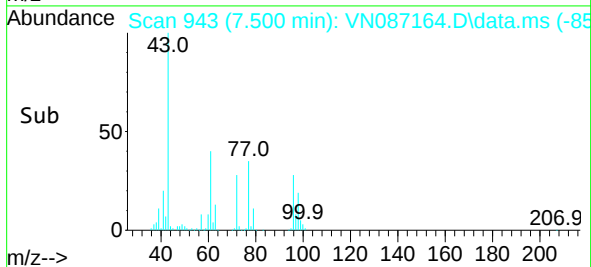
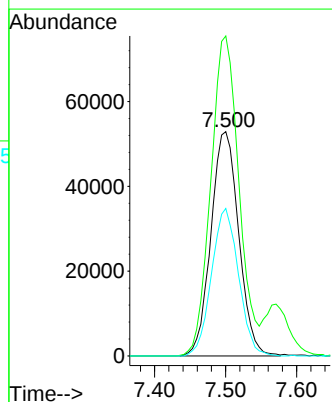
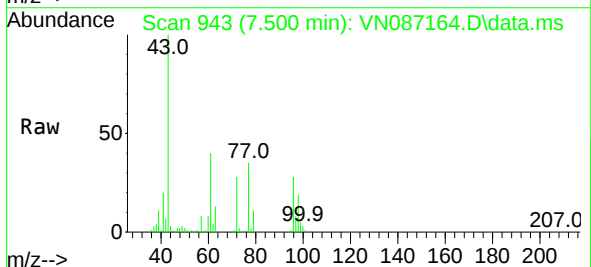
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

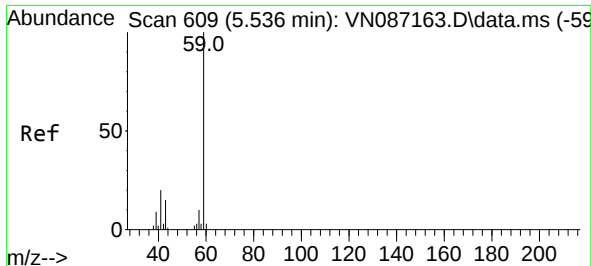
Tgt Ion: 63 Resp: 225376
Ion Ratio Lower Upper
63 100
98 7.5 3.5 10.4
100 4.2 2.0 5.8



#22
cis-1,2-Dichloroethene
Concen: 51.324 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 96 Resp: 143629
Ion Ratio Lower Upper
96 100
61 144.8 119.2 178.8
98 64.0 50.6 75.8

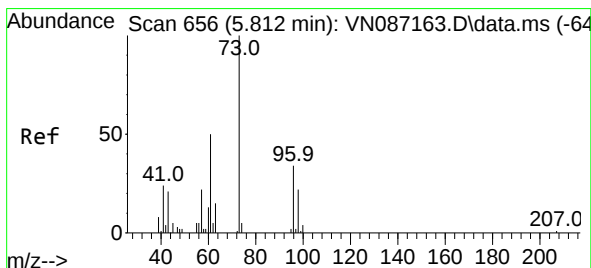
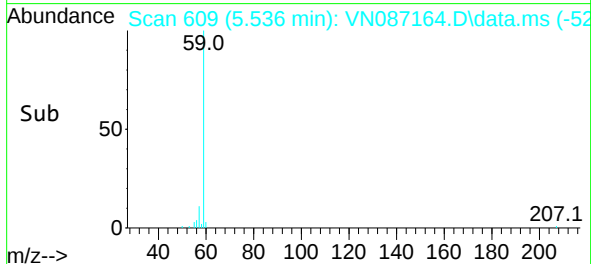
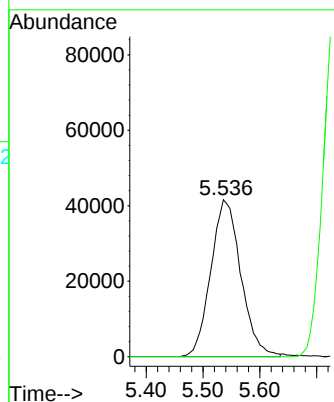
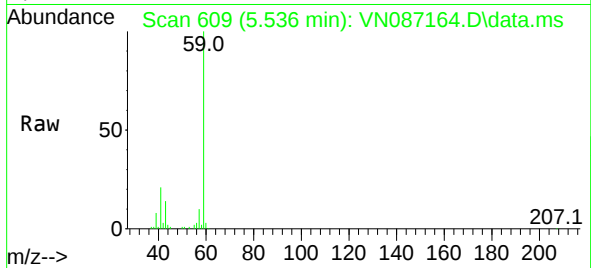




#23
tert-Butyl Alcohol
Concen: 252.588 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

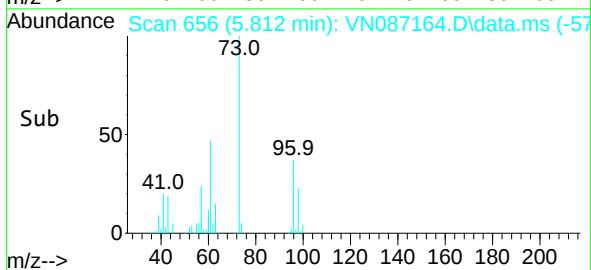
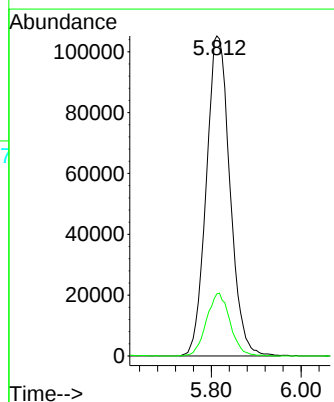
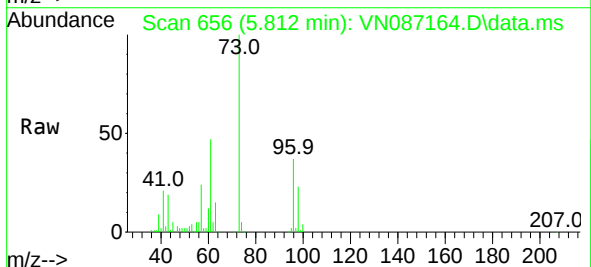
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

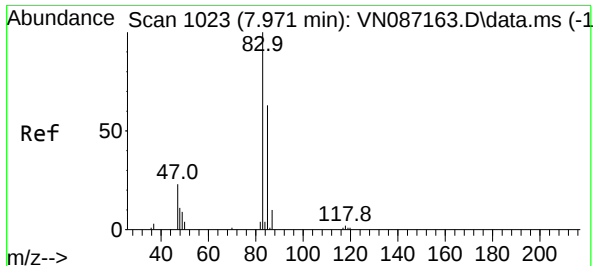
Tgt Ion: 59 Resp: 152814
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 50.024 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 73 Resp: 385760
Ion Ratio Lower Upper
73 100
43 19.5 16.4 24.6

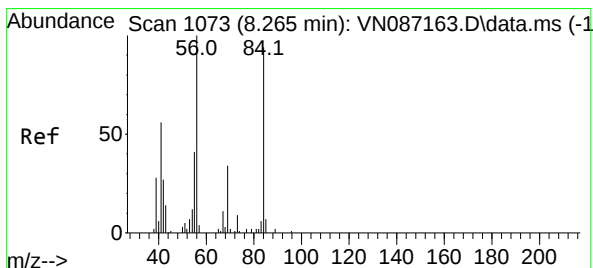
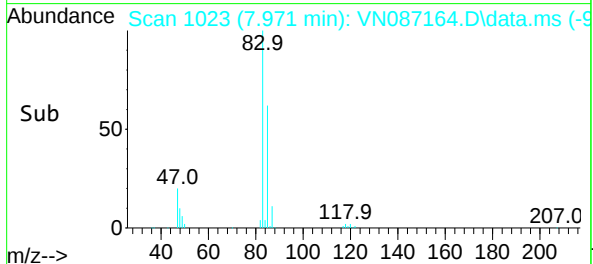
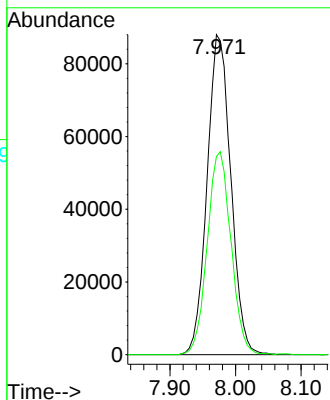
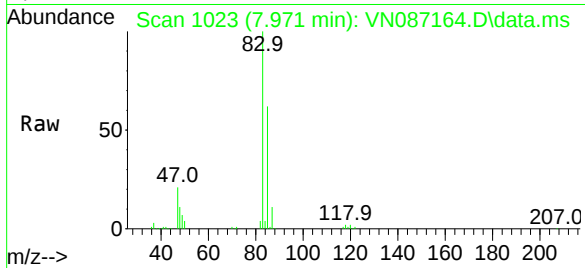




#25
Chloroform
Concen: 50.249 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

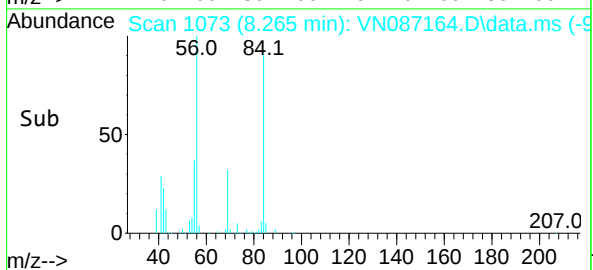
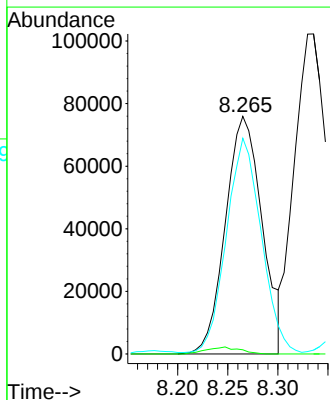
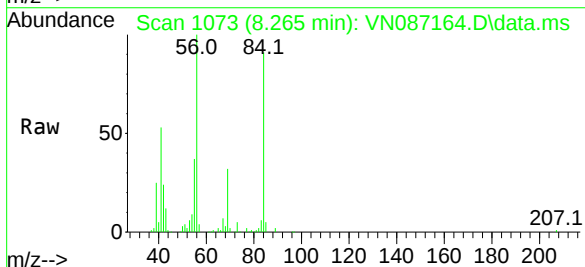
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MSVOA_N
ClientSampleId :
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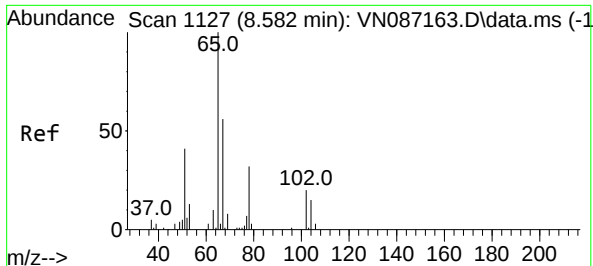
Tgt Ion: 83 Resp: 221377
Ion Ratio Lower Upper
83 100
85 61.9 50.7 76.1



#26
Cyclohexane
Concen: 50.601 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 56 Resp: 193421
Ion Ratio Lower Upper
56 100
89 1.9 6.9 10.3#
84 86.9 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 29.340 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

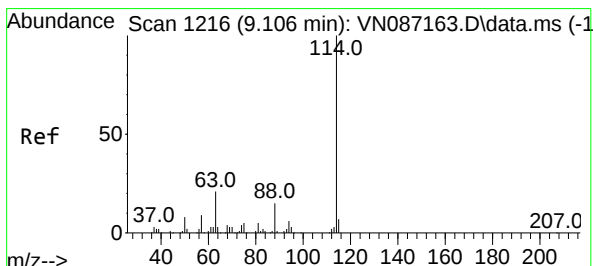
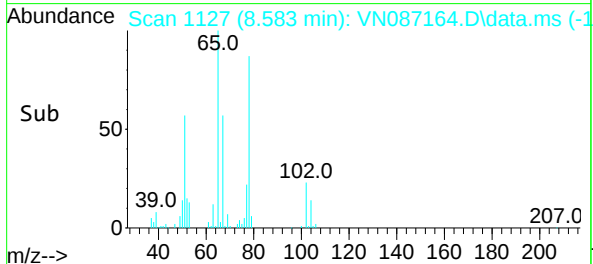
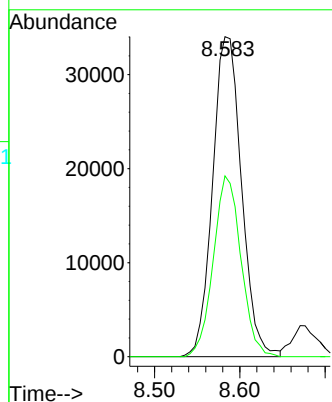
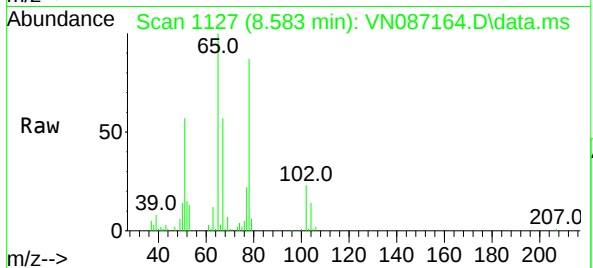
VSTDICC050

Tgt Ion: 65 Resp: 80238

Ion Ratio Lower Upper

65 100

67 54.0 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: VN087164.D

Acq: 25 Jun 2025 09:41

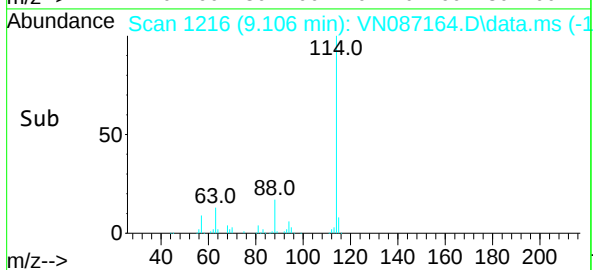
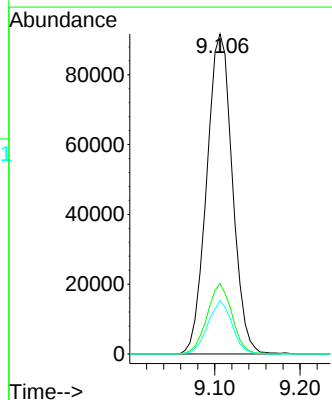
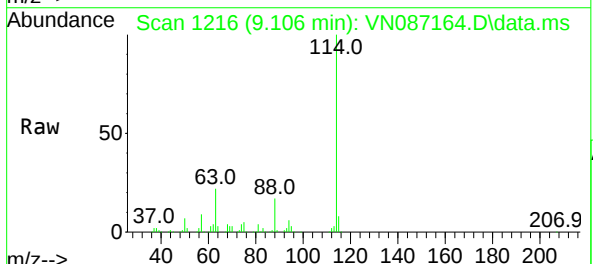
Tgt Ion: 114 Resp: 191792

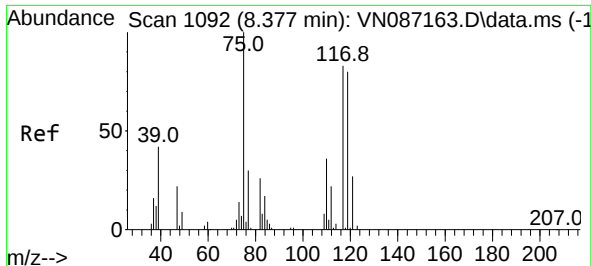
Ion Ratio Lower Upper

114 100

63 21.3 17.0 25.4

88 15.7 12.6 19.0

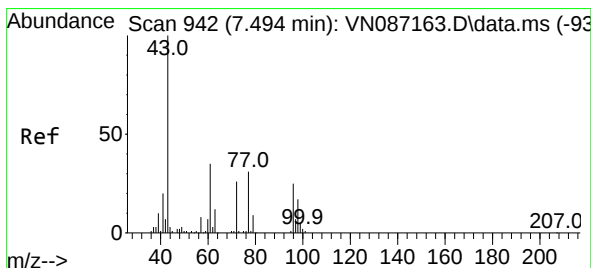
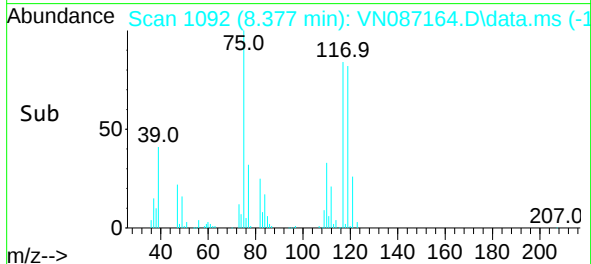
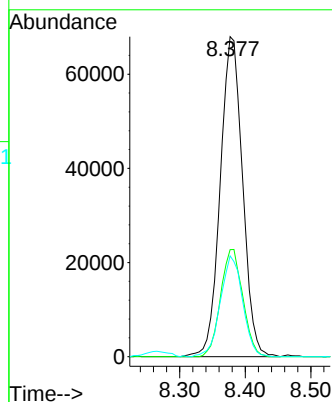
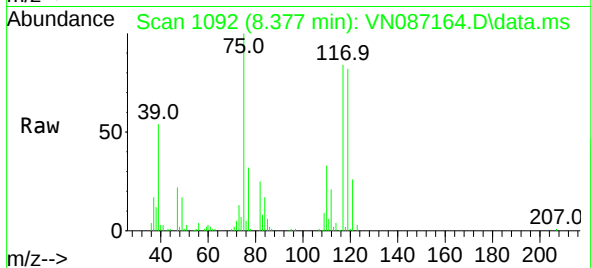




#29
1,1-Dichloropropene
Concen: 53.697 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

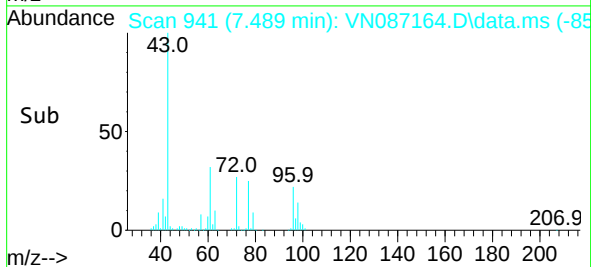
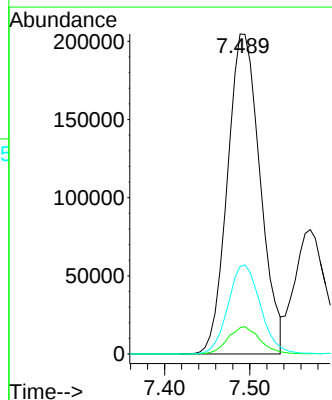
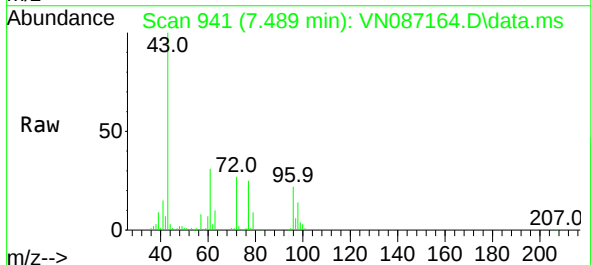
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 160517
Ion Ratio Lower Upper
75 100
110 33.3 0.0 69.2
77 31.3 0.0 61.8



#30
2-Butanone
Concen: 271.144 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 43 Resp: 546757
Ion Ratio Lower Upper
43 100
57 8.3 6.3 9.5
72 27.6 21.8 32.6





#31

2,2-Dichloropropane

Concen: 52.919 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

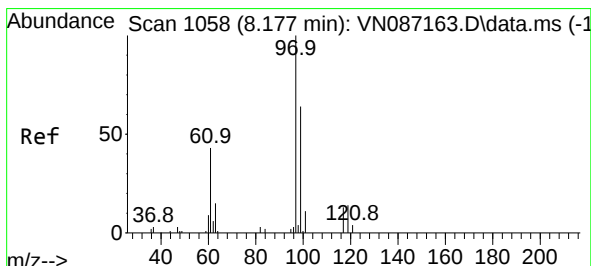
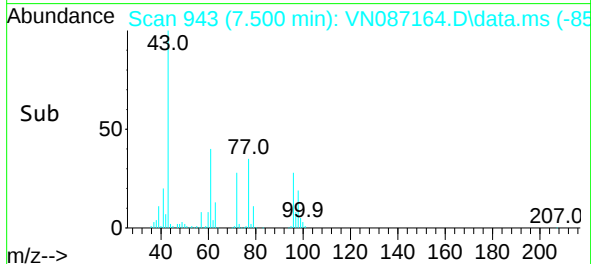
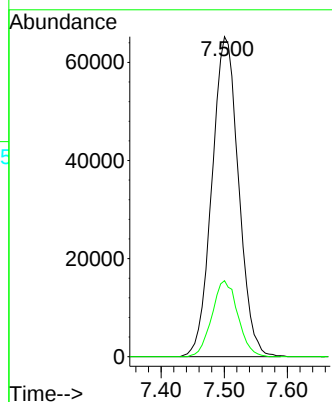
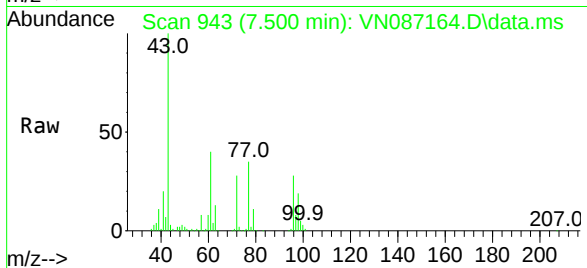
VSTDIC050

Tgt Ion: 77 Resp: 190958

Ion Ratio Lower Upper

77 100

97 23.0 18.4 27.6



#32

1,1,1-Trichloroethane

Concen: 53.253 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

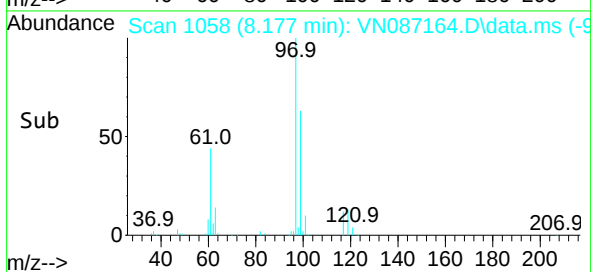
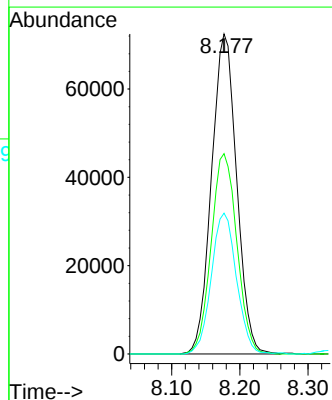
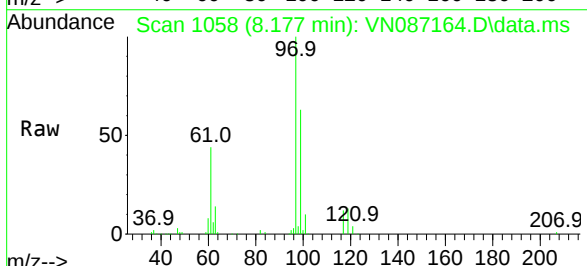
Tgt Ion: 97 Resp: 185977

Ion Ratio Lower Upper

97 100

99 64.1 50.8 76.2

61 44.1 36.1 54.1

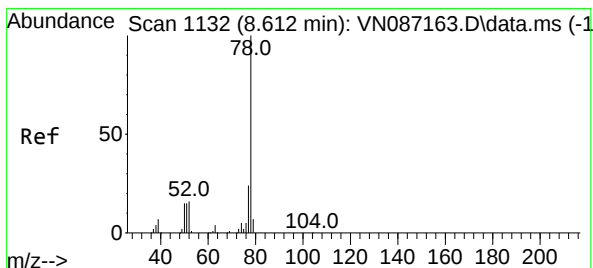
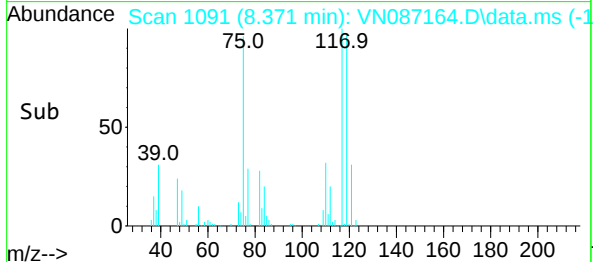
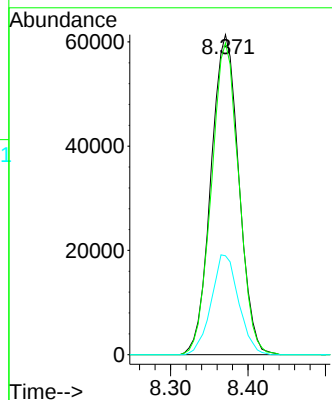
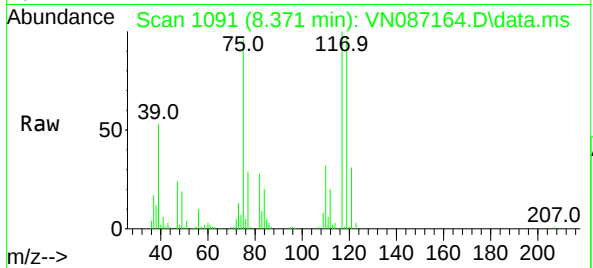




#33
Carbon Tetrachloride
Concen: 52.190 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

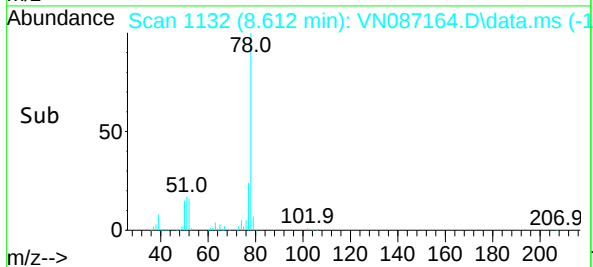
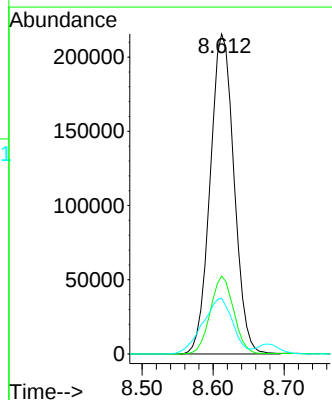
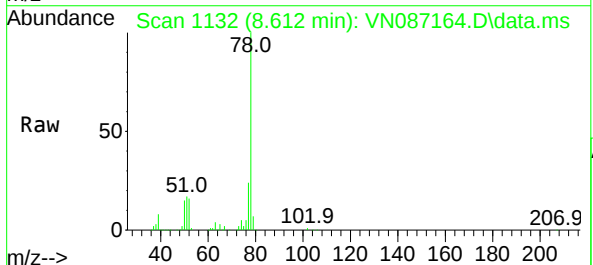
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:117 Resp: 153386
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.6
121 30.9 26.2 39.4



#34
Benzene
Concen: 53.121 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 78 Resp: 503072
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3
51 16.6 14.8 22.2



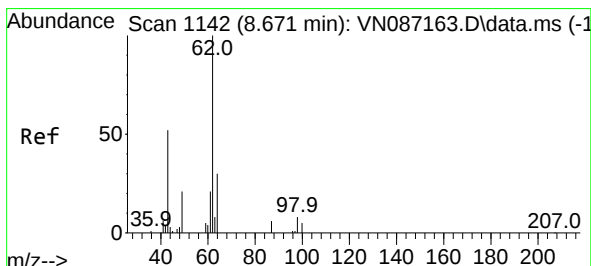
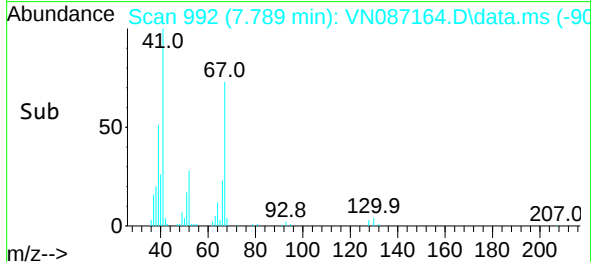
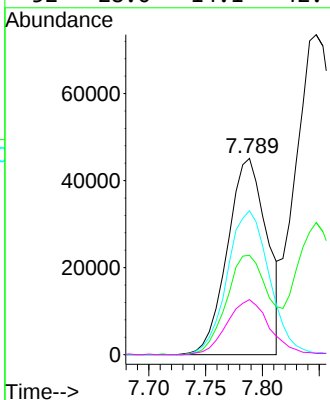
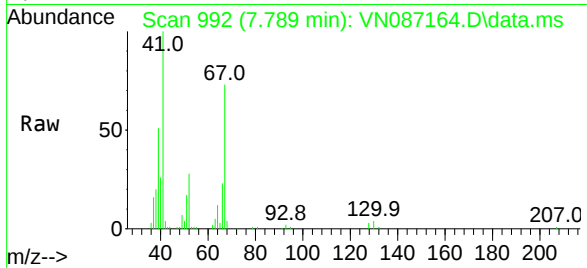


#35
Methacrylonitrile
Concen: 53.749 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 41 Resp: 109229

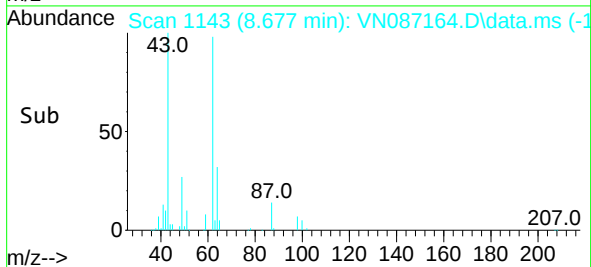
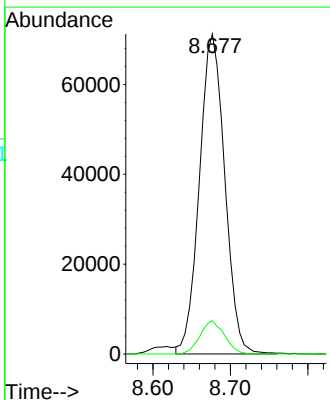
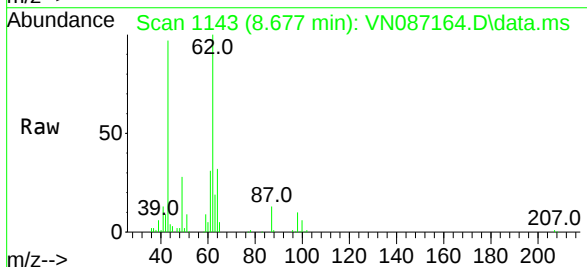
Ion	Ratio	Lower	Upper
41	100		
39	50.6	24.4	73.2
67	73.3	33.3	99.8
52	28.0	14.1	42.4

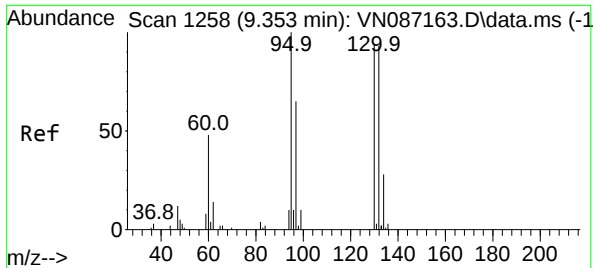


#36
1,2-Dichloroethane
Concen: 52.927 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 62 Resp: 161947

Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.2	10.8

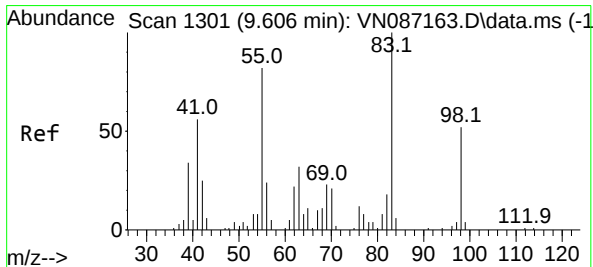
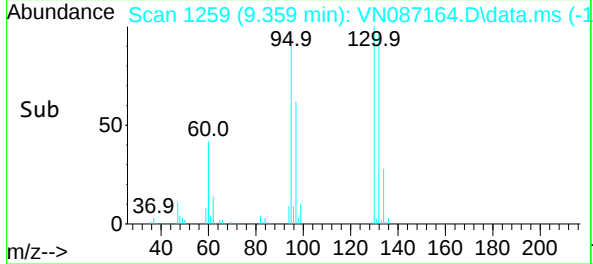
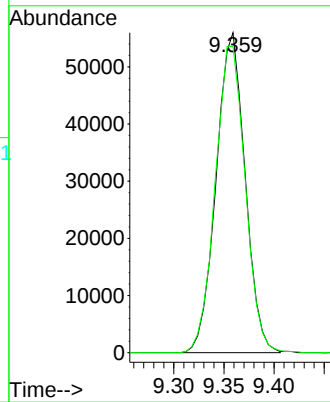
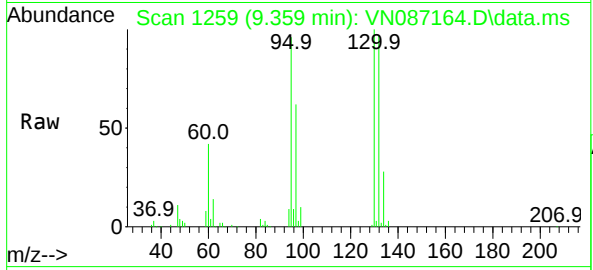




#37
Trichloroethene
Concen: 51.445 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

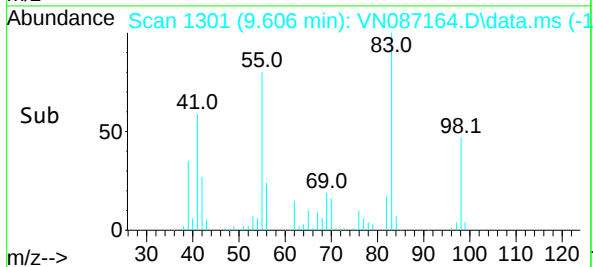
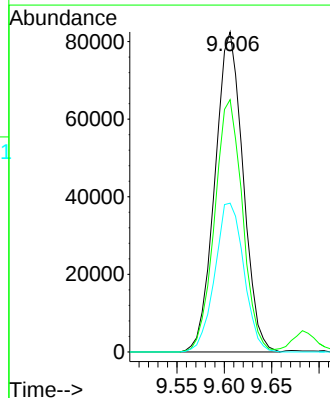
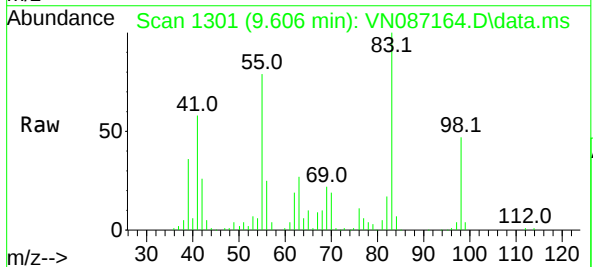
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

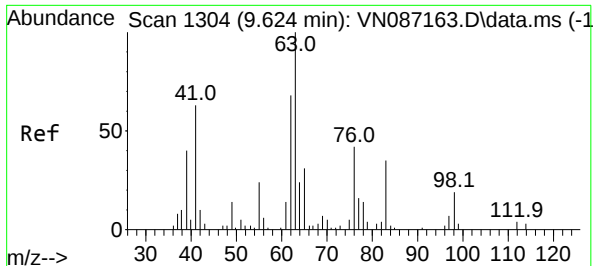
Tgt Ion:130 Resp: 112377
Ion Ratio Lower Upper
130 100
95 95.7 85.3 127.9



#38
Methylcyclohexane
Concen: 49.702 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 83 Resp: 170475
Ion Ratio Lower Upper
83 100
55 78.1 40.1 120.2
98 47.9 24.4 73.2





#39

1,2-Dichloropropane

Concen: 49.626 ug/l

RT: 9.624 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

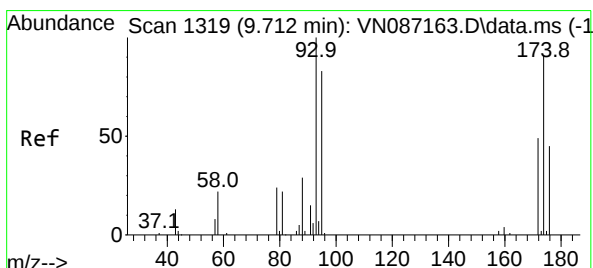
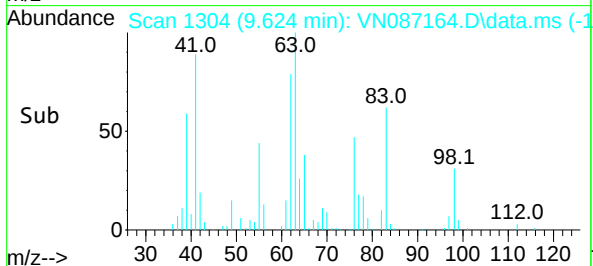
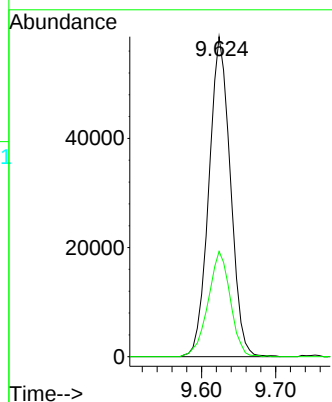
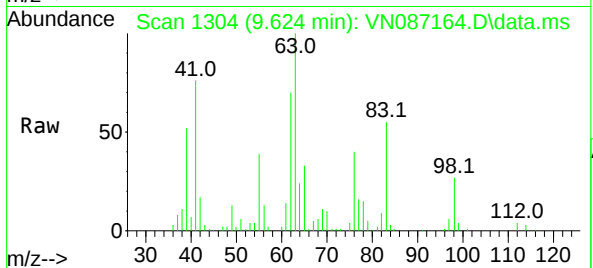
VSTDIC050

Tgt Ion: 63 Resp: 117960

Ion Ratio Lower Upper

63 100

65 32.9 24.6 36.8



#40

Dibromomethane

Concen: 51.017 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

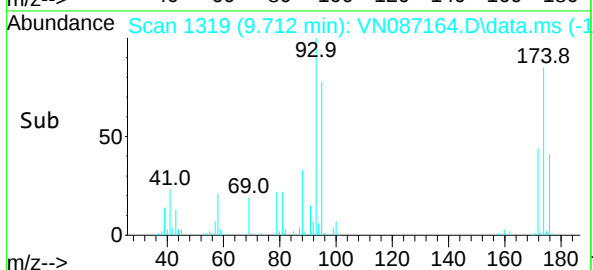
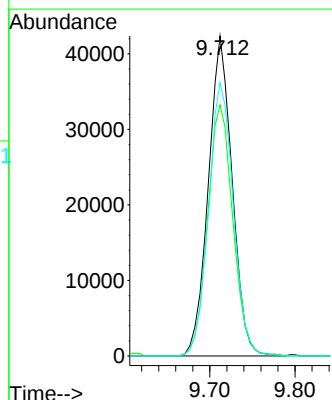
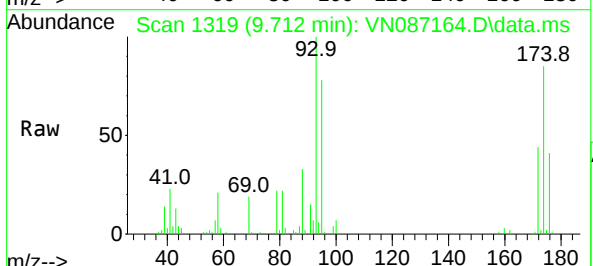
Tgt Ion: 93 Resp: 82459

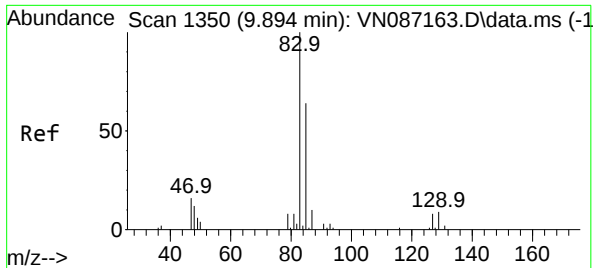
Ion Ratio Lower Upper

93 100

95 83.0 0.0 170.8

174 88.4 0.0 176.6

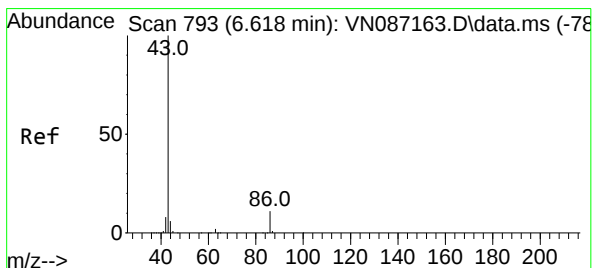
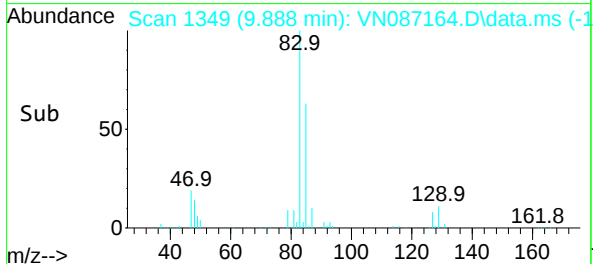
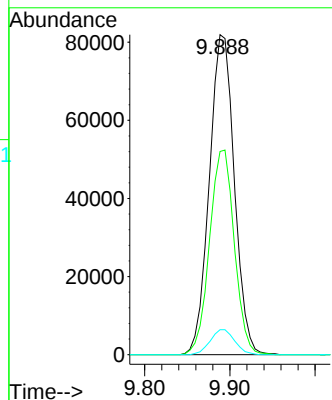
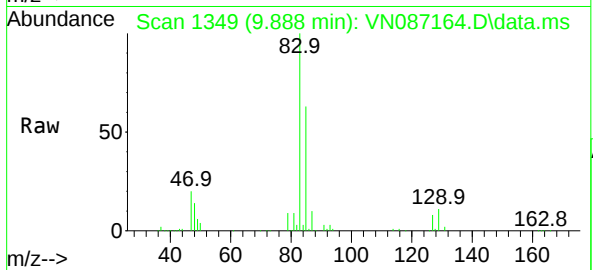




#41
Bromodichloromethane
Concen: 51.194 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

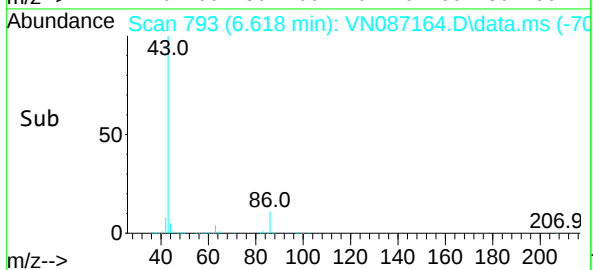
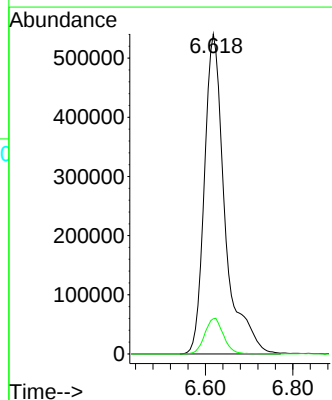
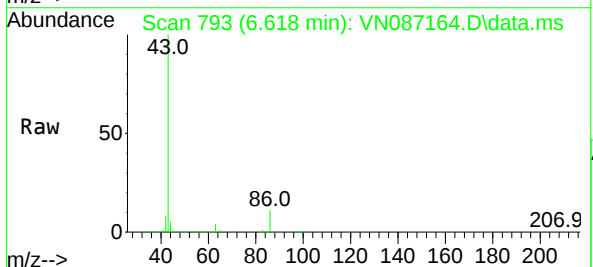
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 167016
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2
127 7.8 6.1 9.1



#42
Vinyl Acetate
Concen: 269.894 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 43 Resp: 1770137
Ion Ratio Lower Upper
43 100
86 10.1 7.7 11.5

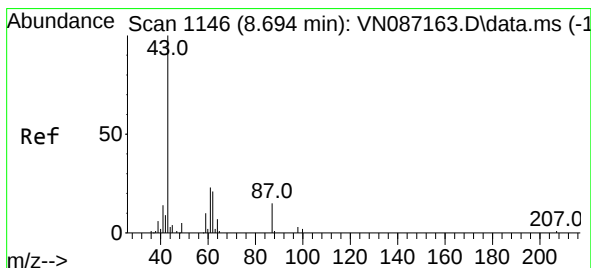
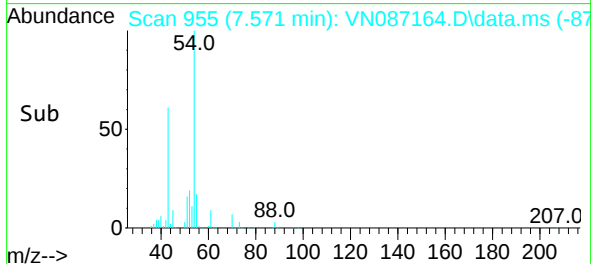
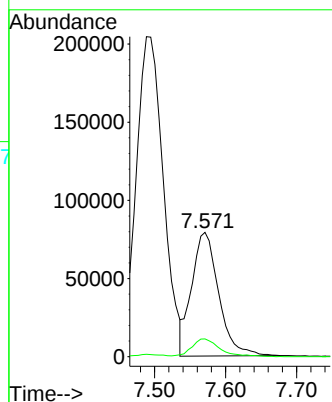
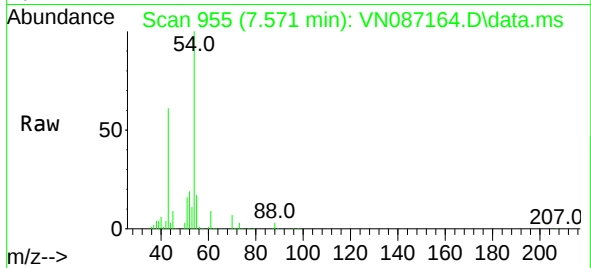




#43
Ethyl Acetate
Concen: 57.492 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

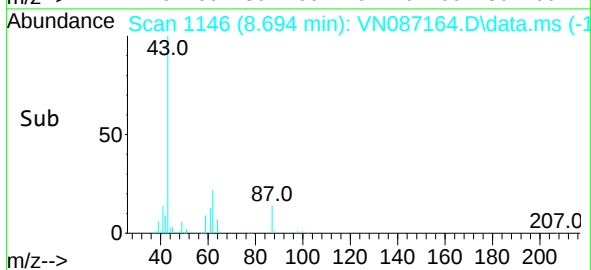
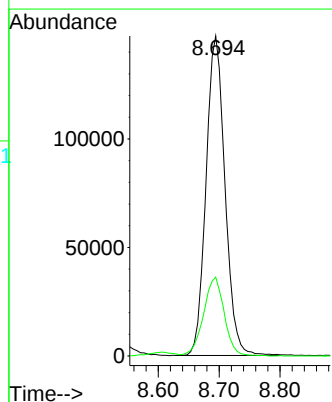
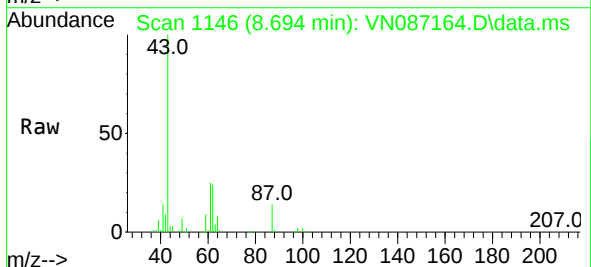
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

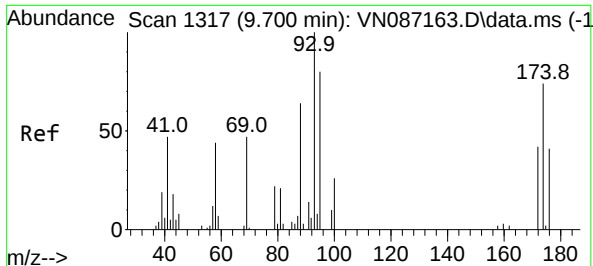
Tgt Ion: 43 Resp: 209283
Ion Ratio Lower Upper
43 100
45 15.0 11.5 17.3



#44
Isopropyl Acetate
Concen: 53.714 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 43 Resp: 318572
Ion Ratio Lower Upper
43 100
61 26.9 20.5 30.7





#45

1,4-Dioxane

Concen: 1049.274 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

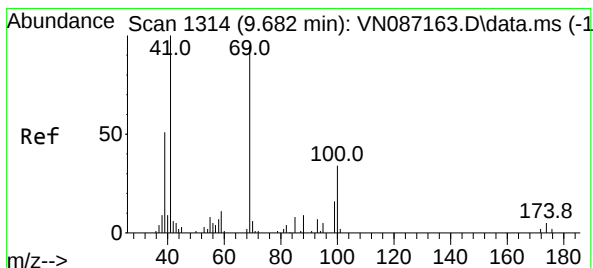
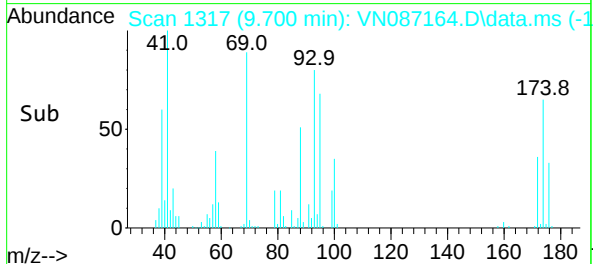
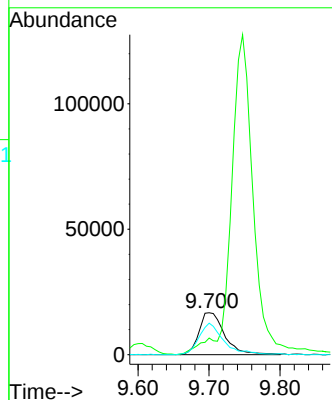
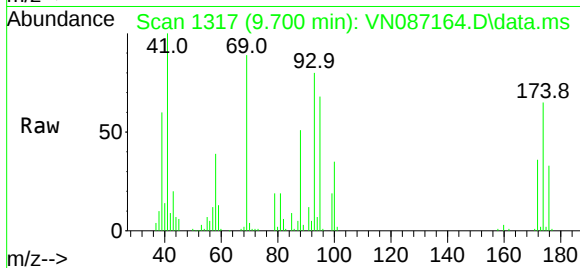
Tgt Ion: 88 Resp: 42097

Ion Ratio Lower Upper

88 100

43 29.8 21.3 31.9

58 67.9 61.7 92.5



#46

Methyl methacrylate

Concen: 51.792 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

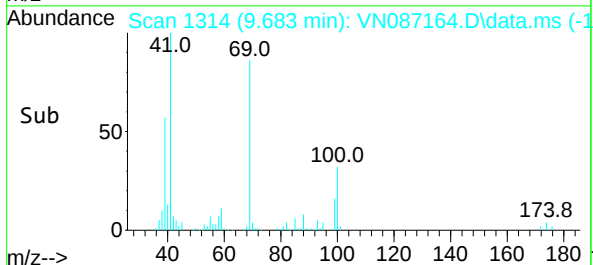
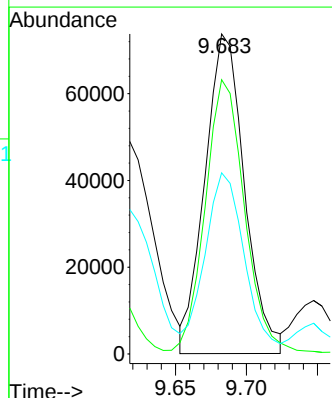
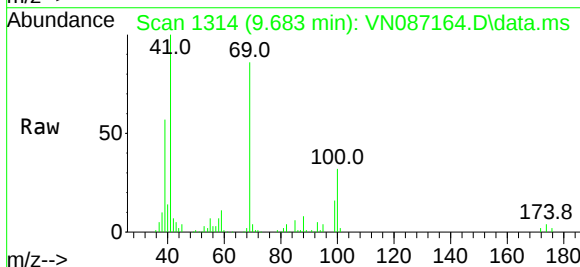
Tgt Ion: 41 Resp: 142798

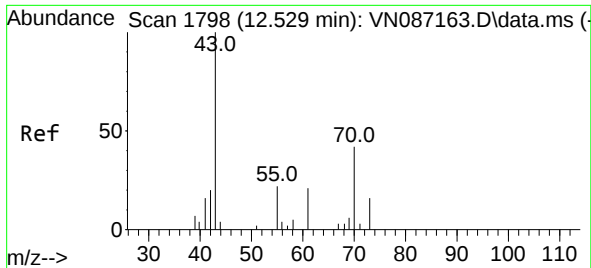
Ion Ratio Lower Upper

41 100

69 87.8 45.6 136.9

39 57.0 26.2 78.5

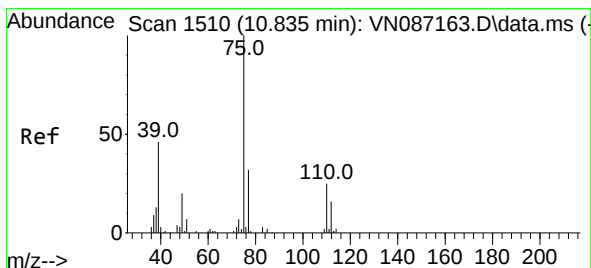
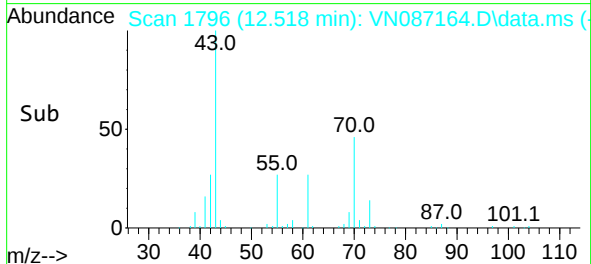
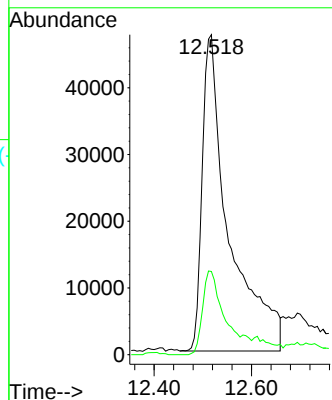
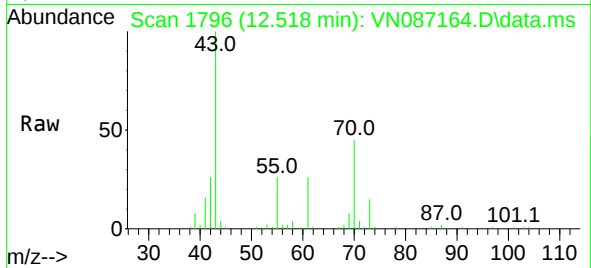




#47
n-amyl acetate
Concen: 49.786 ug/l
RT: 12.518 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

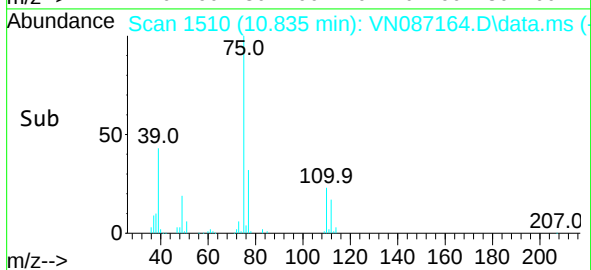
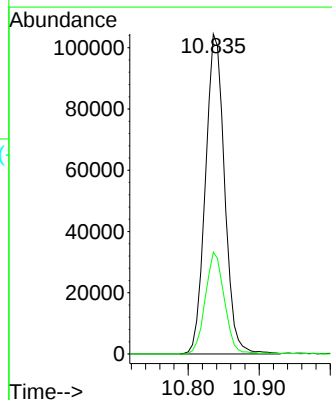
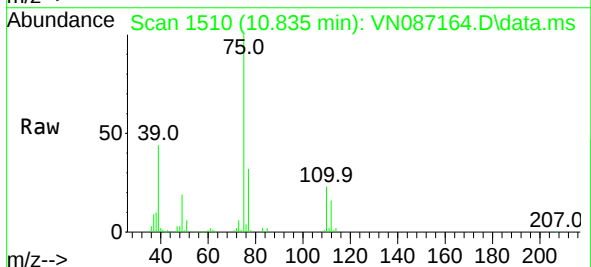
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

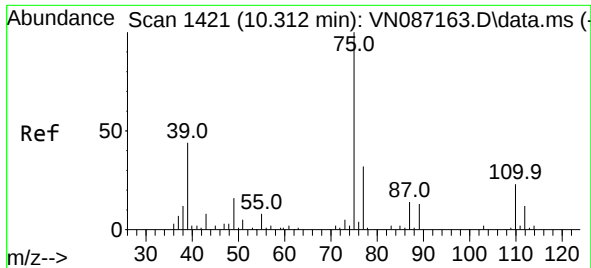
Tgt Ion: 43 Resp: 180529
Ion Ratio Lower Upper
43 100
55 20.7 0.0 0.0#



#48
t-1,3-Dichloropropene
Concen: 53.904 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 75 Resp: 196045
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0



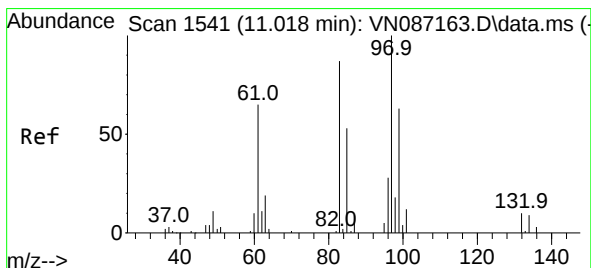
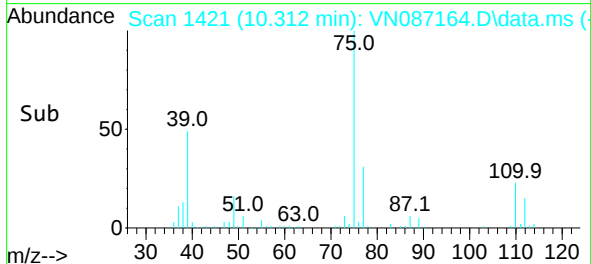
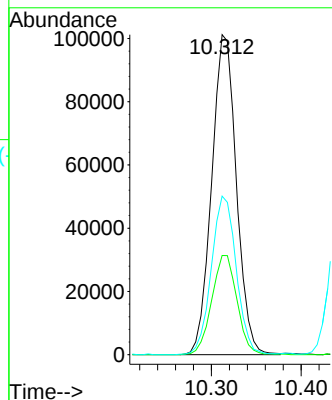
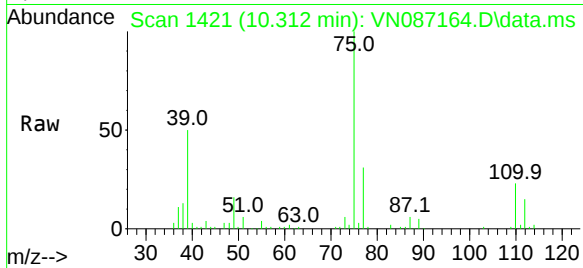


#49
 cis-1,3-Dichloropropene
 Concen: 50.108 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 75 Resp: 193737

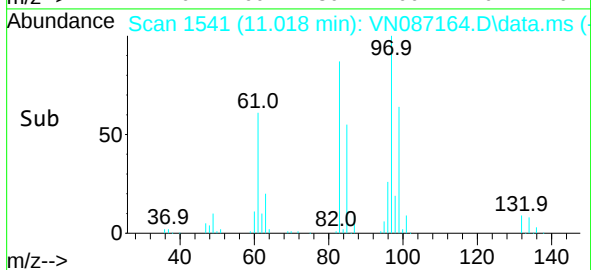
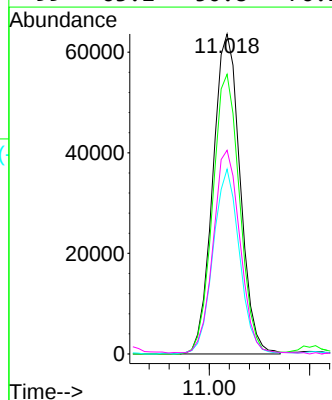
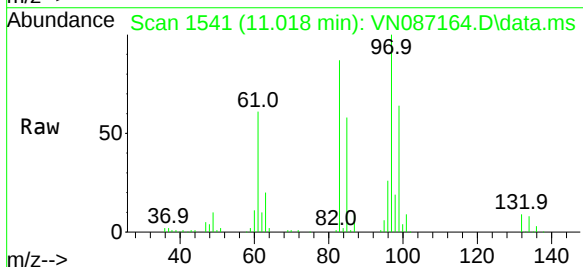
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2
39	49.4	35.3	52.9

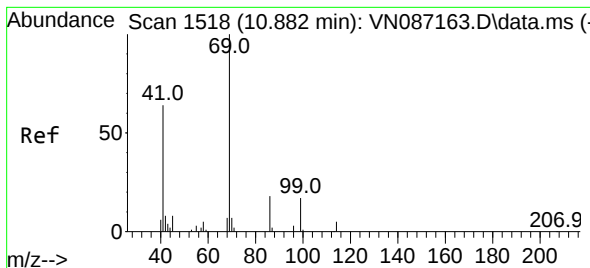


#50
 1,1,2-Trichloroethane
 Concen: 52.329 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion: 97 Resp: 120146

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.6	104.4
85	57.5	42.0	63.0
99	63.2	50.8	76.2

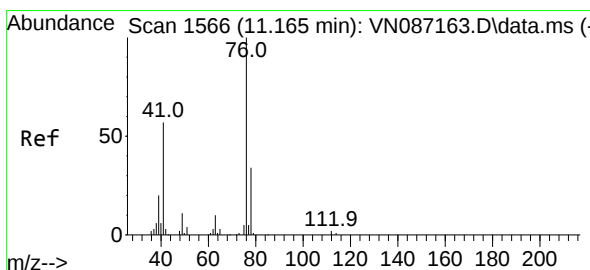
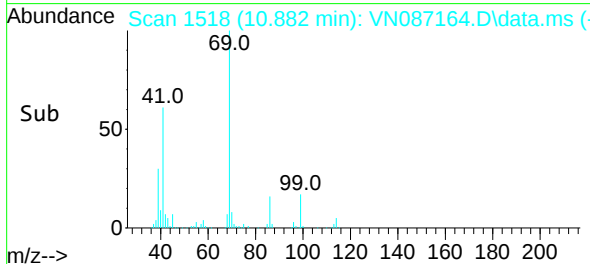
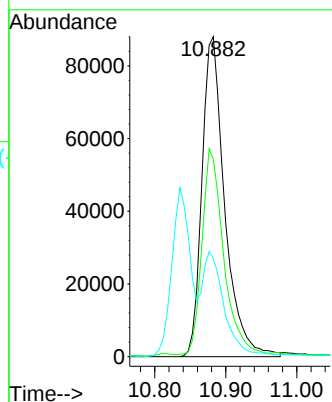
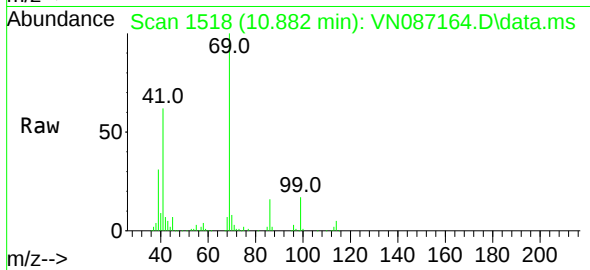




#51
Ethyl methacrylate
Concen: 56.207 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

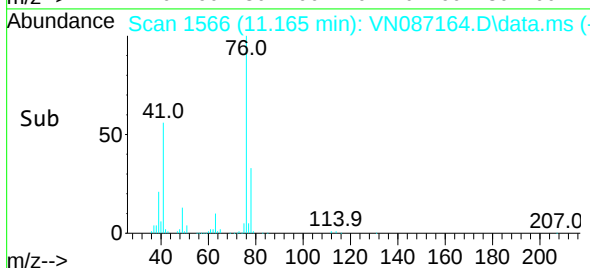
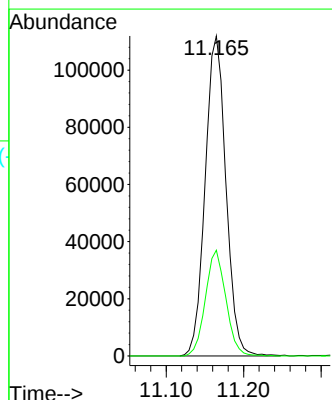
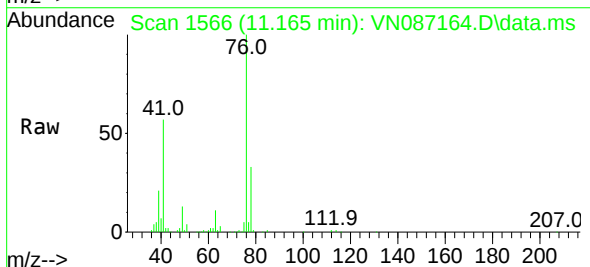
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

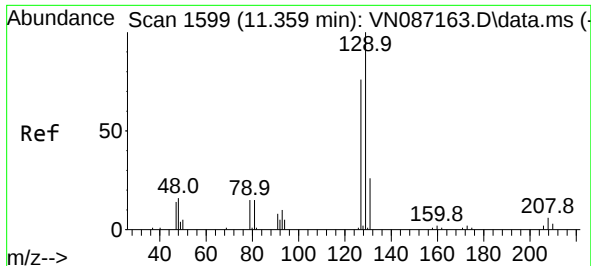
Tgt Ion: 69 Resp: 196419
Ion Ratio Lower Upper
69 100
41 60.9 31.8 95.3
39 30.1 15.3 45.8



#52
1,3-Dichloropropane
Concen: 52.809 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 76 Resp: 208157
Ion Ratio Lower Upper
76 100
78 32.5 0.0 63.0

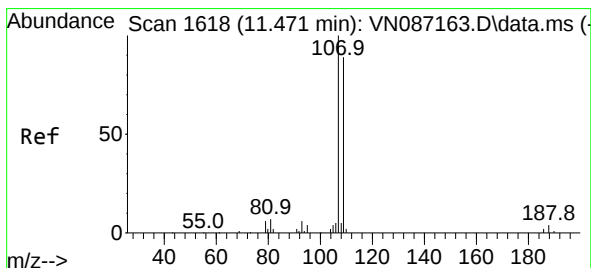
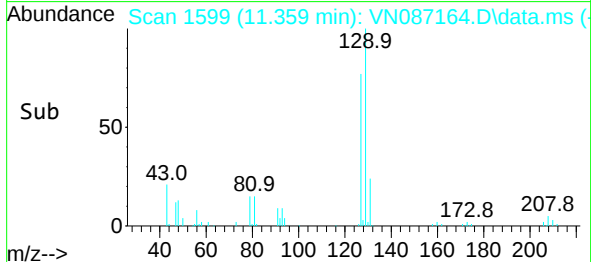
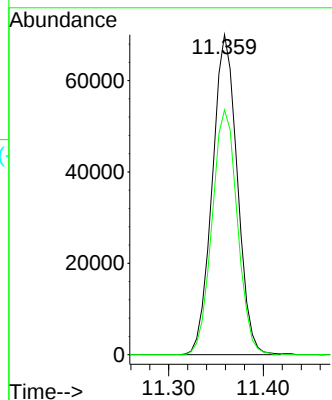
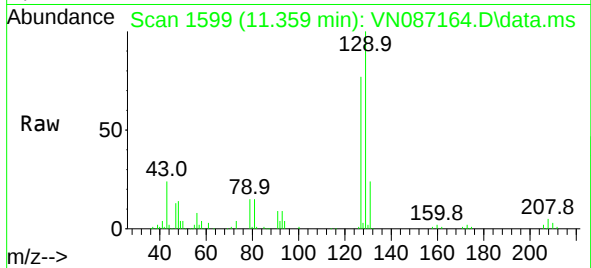




#53
Dibromochloromethane
Concen: 53.223 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

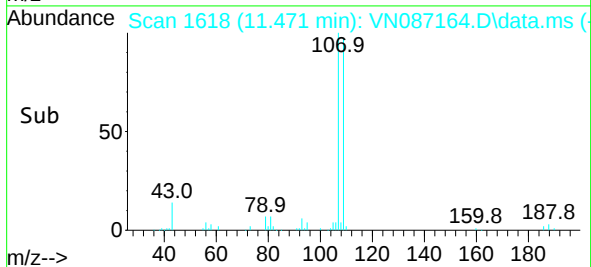
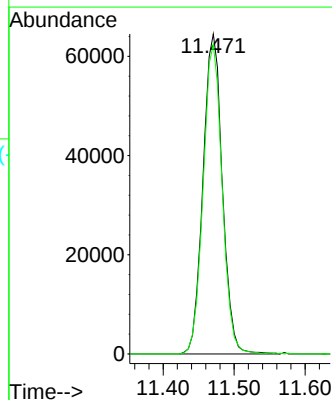
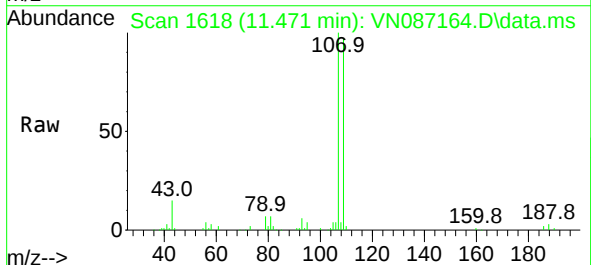
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

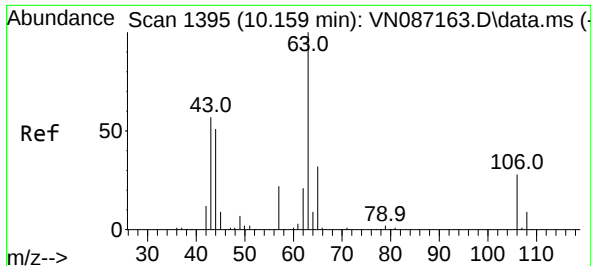
Tgt Ion:129 Resp: 128273
Ion Ratio Lower Upper
129 100
127 77.4 39.6 118.8



#54
1,2-Dibromoethane
Concen: 51.533 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:107 Resp: 122070
Ion Ratio Lower Upper
107 100
109 95.0 73.5 110.3

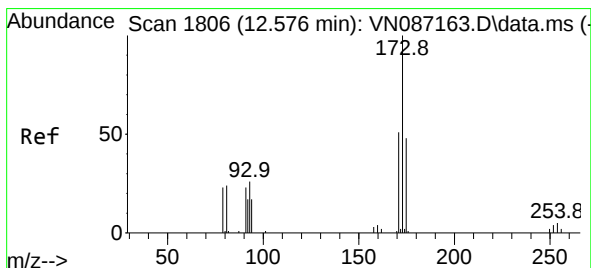
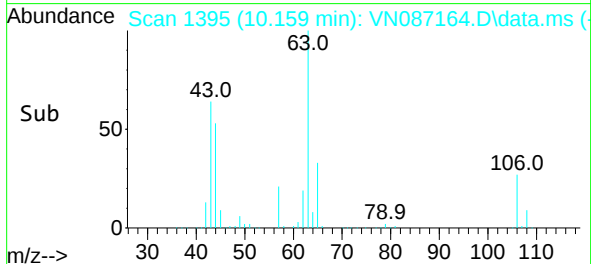
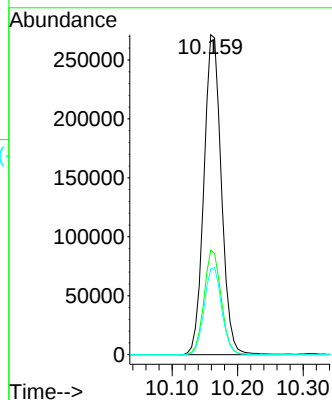
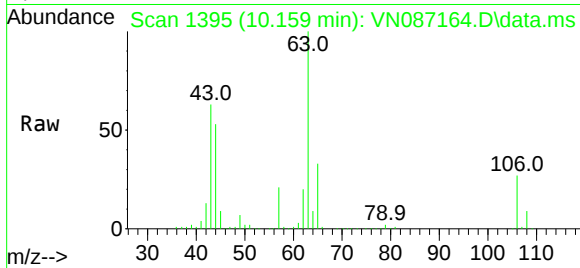




#55
2-Chloroethyl vinyl ether
Concen: 250.920 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

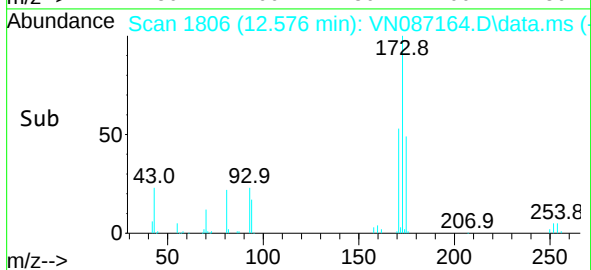
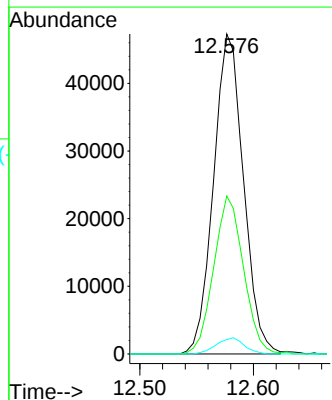
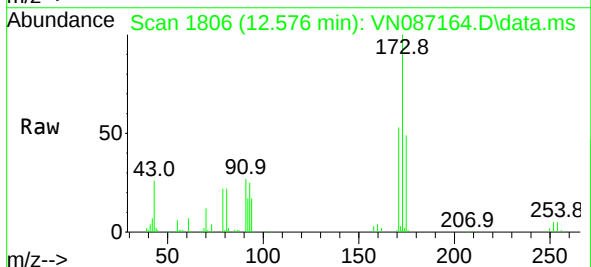
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

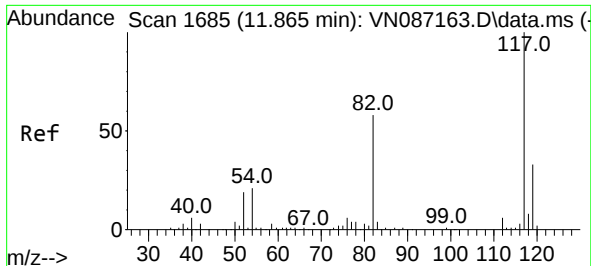
Tgt Ion: 63 Resp: 502611
Ion Ratio Lower Upper
63 100
65 32.3 25.6 38.4
106 27.3 21.9 32.9



#56
Bromoform
Concen: 52.211 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 173 Resp: 86503
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 4.7 4.2 6.4

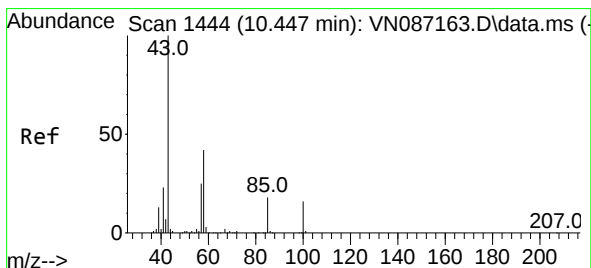
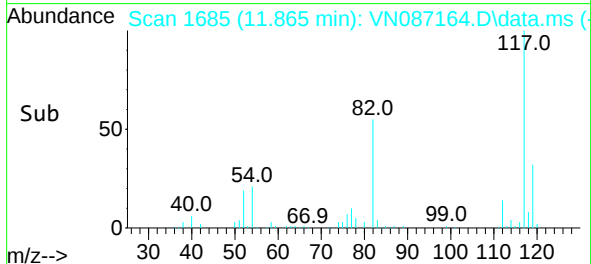
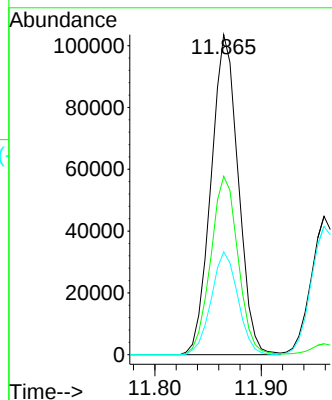
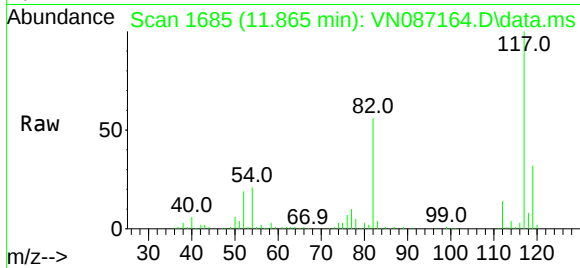




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

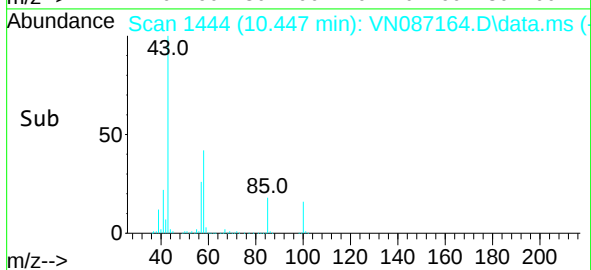
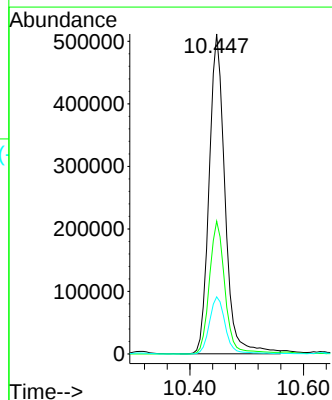
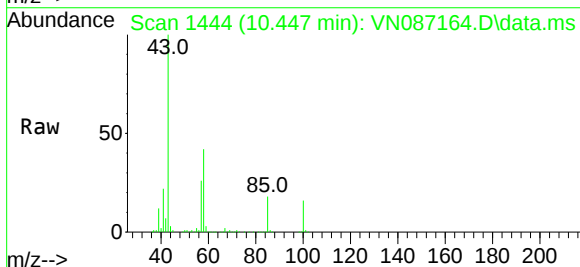
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

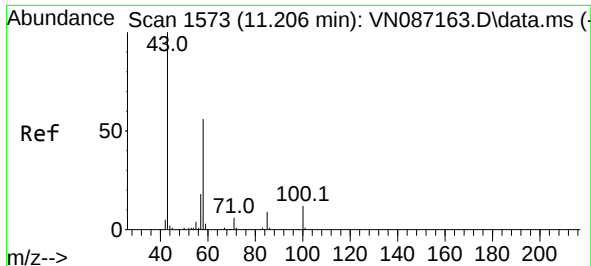
Tgt Ion:117 Resp: 183711
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 31.6 26.2 39.4



#58
4-Methyl-2-Pentanone
Concen: 267.397 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 43 Resp: 987570
Ion Ratio Lower Upper
43 100
58 40.9 32.6 49.0
85 17.8 14.6 22.0

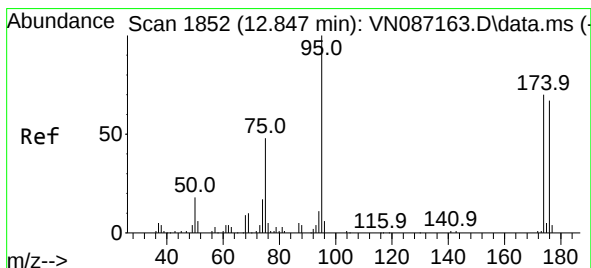
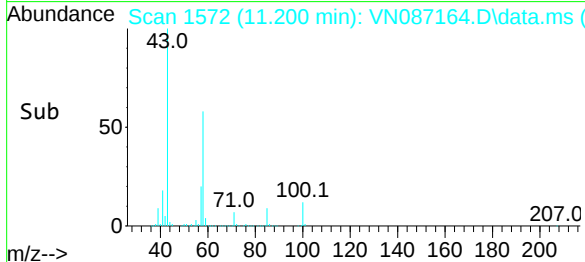
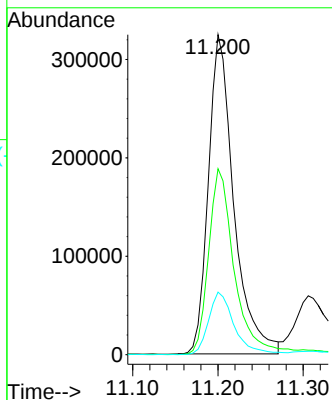
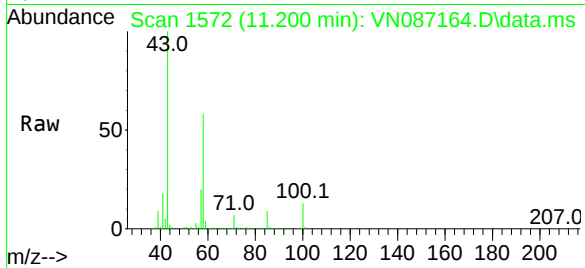




#59
2-Hexanone
Concen: 282.328 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

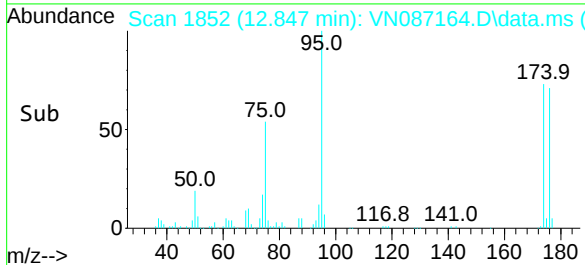
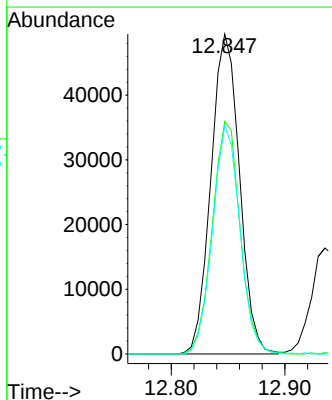
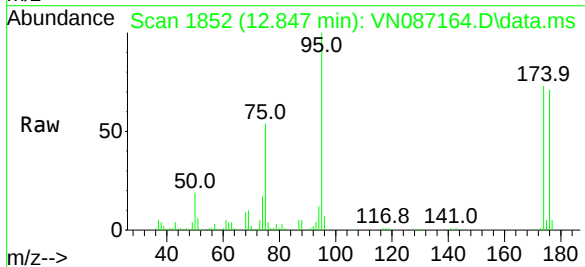
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

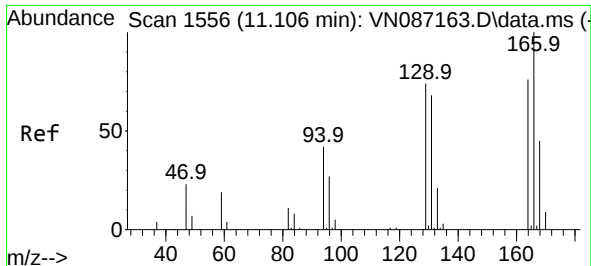
Tgt Ion: 43 Resp: 673308
Ion Ratio Lower Upper
43 100
58 59.0 49.2 73.8
57 20.1 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 30.477 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 95 Resp: 86398
Ion Ratio Lower Upper
95 100
174 71.2 54.5 81.7
176 68.5 51.9 77.9

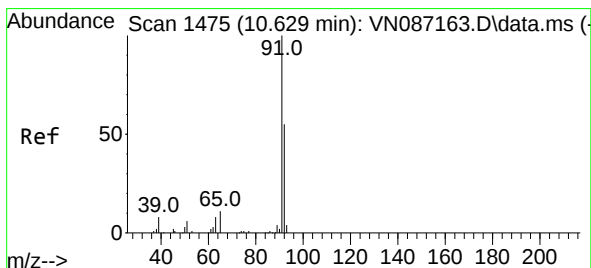
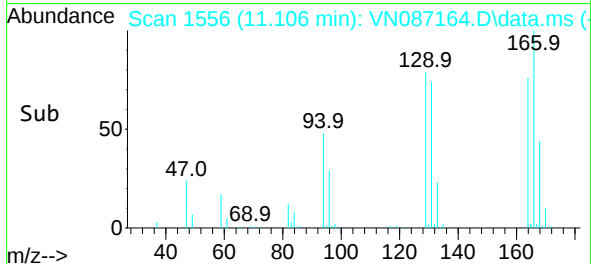
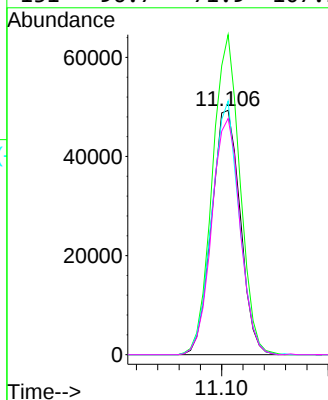
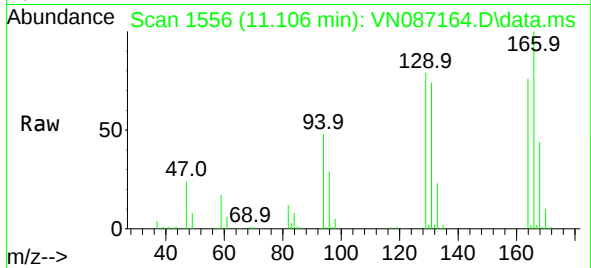




#61
Tetrachloroethene
Concen: 50.637 ug/l
RT: 11.106 min Scan# 11556
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

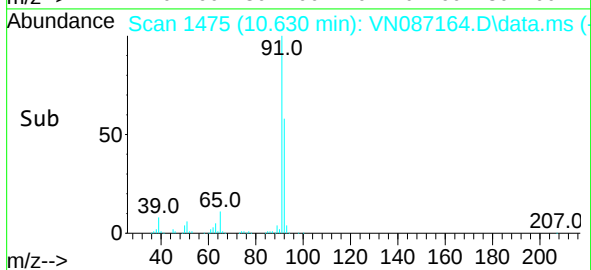
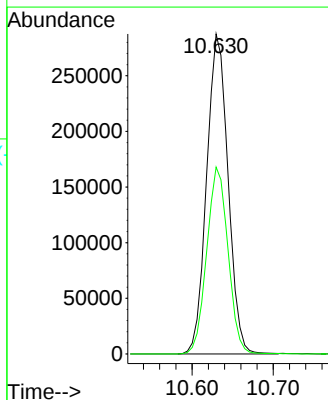
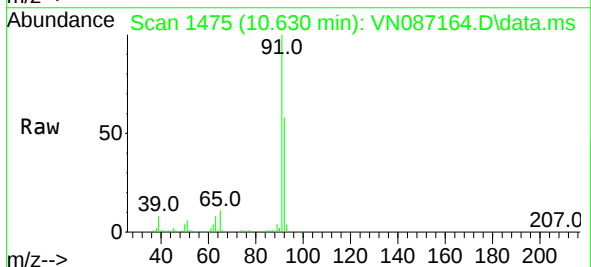
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

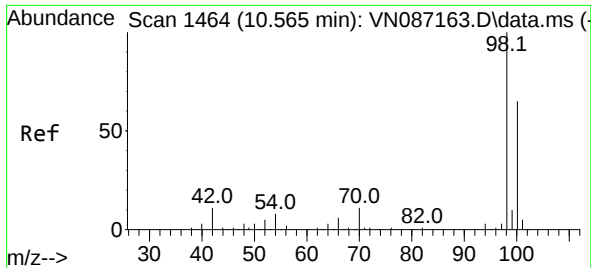
Tgt Ion:164 Resp: 92124
Ion Ratio Lower Upper
164 100
166 131.0 105.4 158.2
129 103.8 77.9 116.9
131 96.7 71.9 107.9



#62
Toluene
Concen: 50.751 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 91 Resp: 526581
Ion Ratio Lower Upper
91 100
92 58.1 45.8 68.8

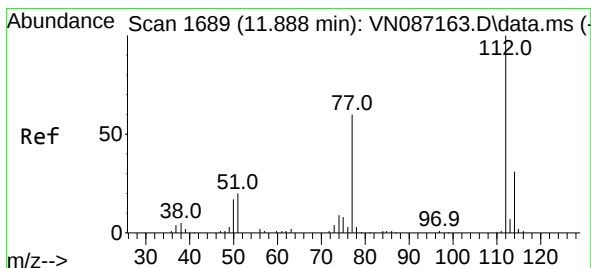
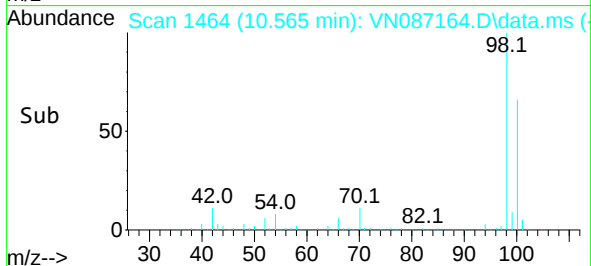
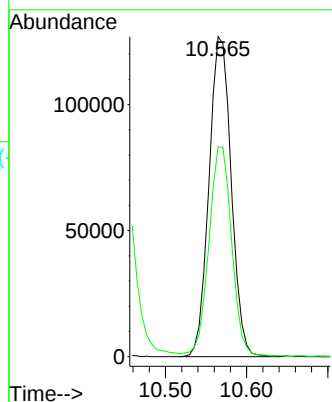
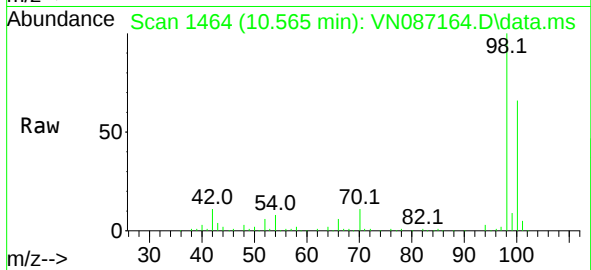




#63
Toluene-d8
Concen: 29.266 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

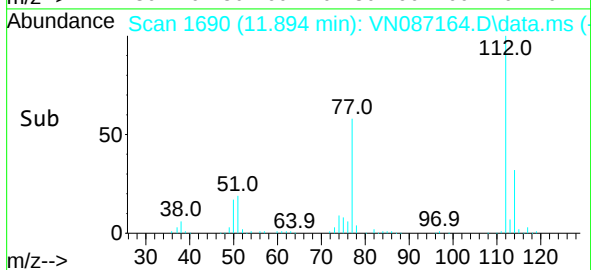
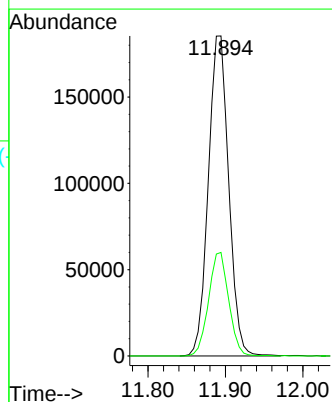
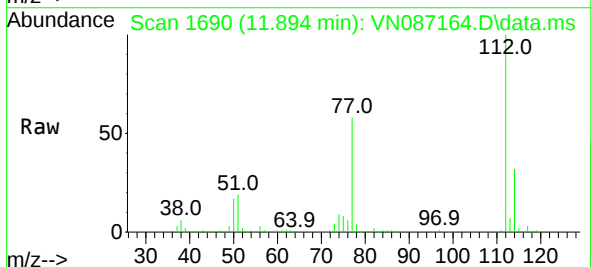
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

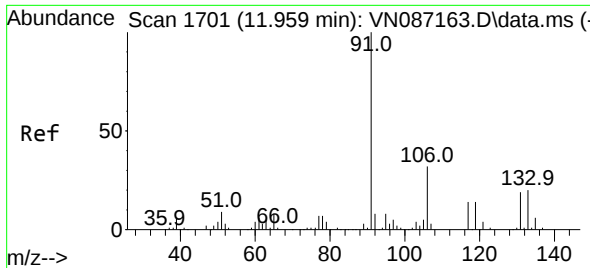
Tgt Ion: 98 Resp: 241406
Ion Ratio Lower Upper
98 100
100 67.5 52.5 78.7



#64
Chlorobenzene
Concen: 51.164 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 112 Resp: 338627
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4

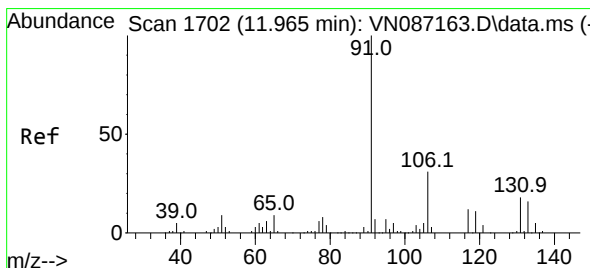
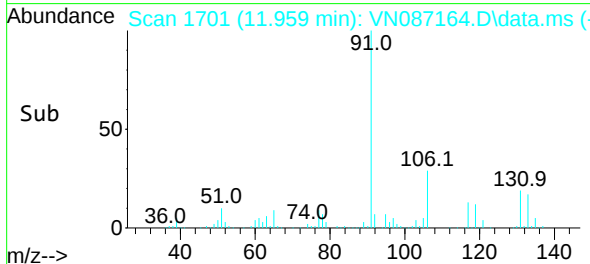
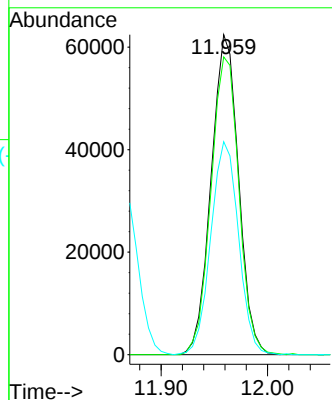
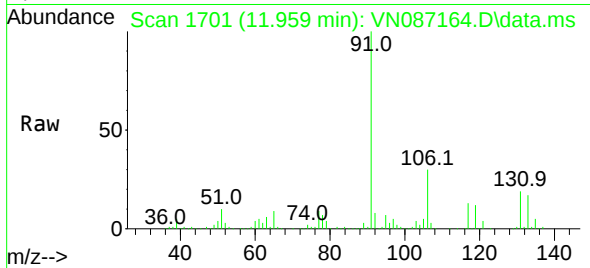




#65
 1,1,1,2-Tetrachloroethane
 Concen: 51.039 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

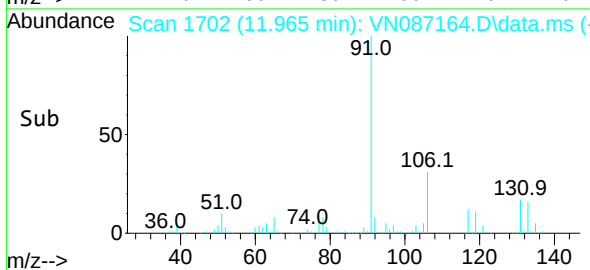
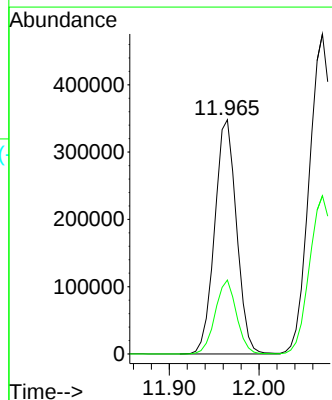
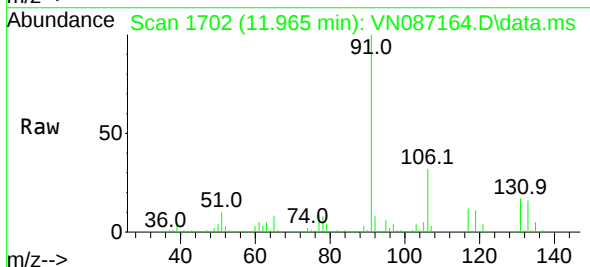
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

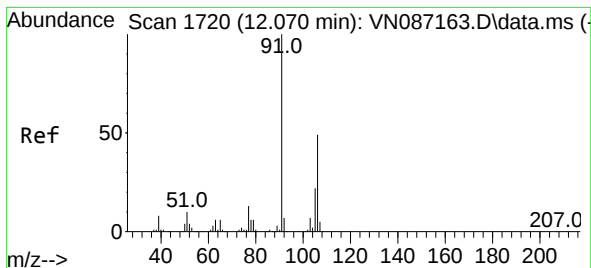
Tgt Ion:131 Resp: 111613
 Ion Ratio Lower Upper
 131 100
 133 94.8 0.0 187.8
 119 67.3 0.0 140.0



#66
 Ethyl Benzene
 Concen: 51.932 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion: 91 Resp: 589779
 Ion Ratio Lower Upper
 91 100
 106 31.5 24.8 37.2

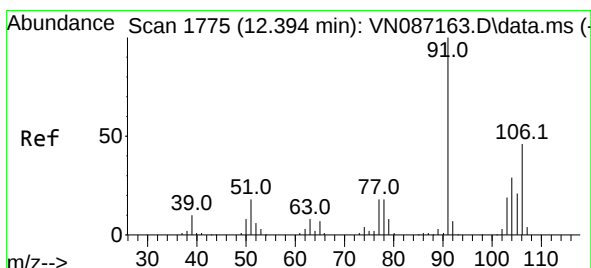
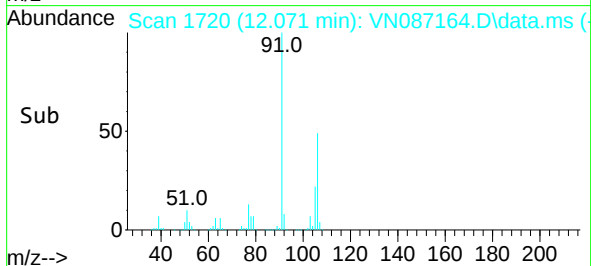
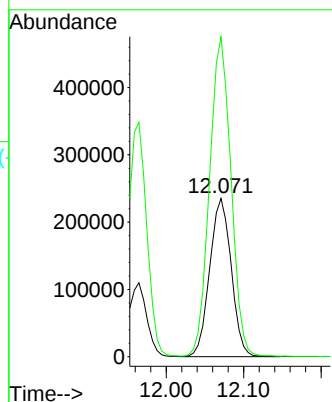
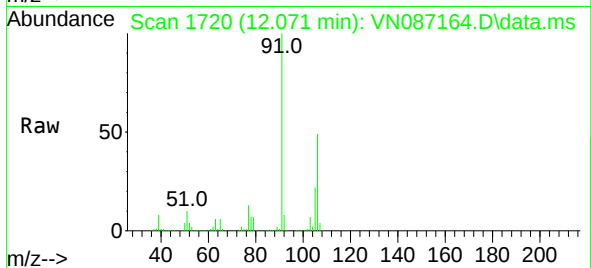




#67
m/p-Xylenes
Concen: 104.379 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

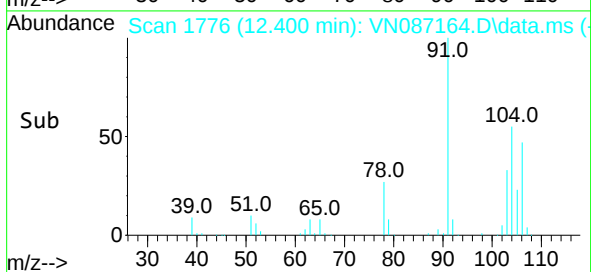
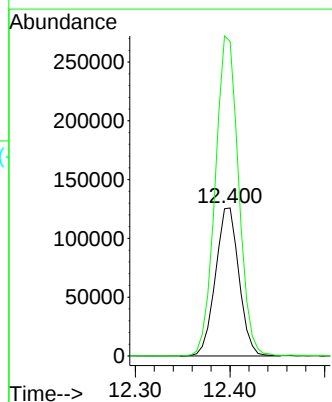
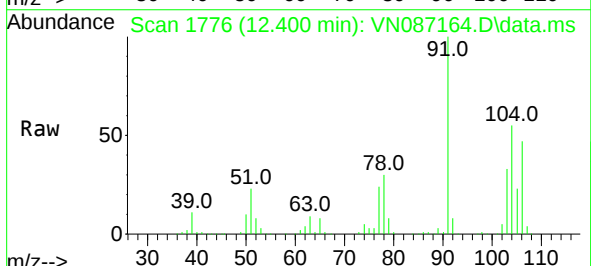
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

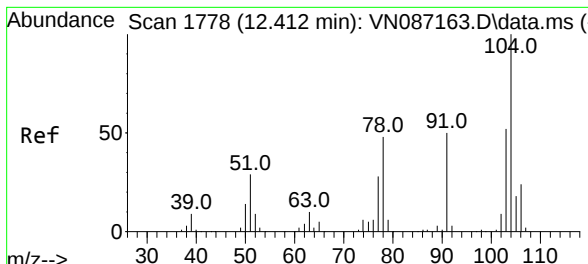
Tgt Ion:106 Resp: 454250
Ion Ratio Lower Upper
106 100
91 201.9 163.0 244.4



#68
o-Xylene
Concen: 52.292 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:106 Resp: 217114
Ion Ratio Lower Upper
106 100
91 215.1 107.1 321.1

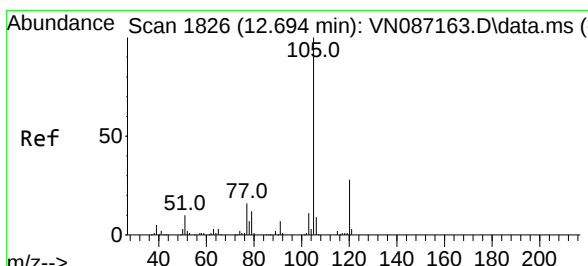
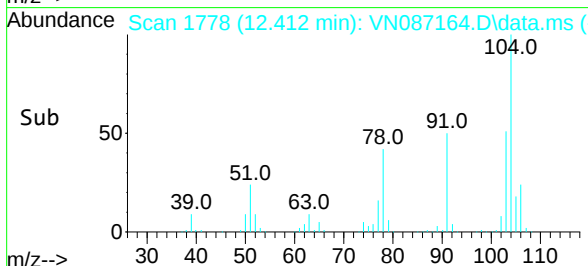
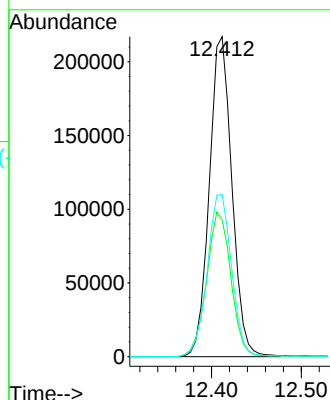
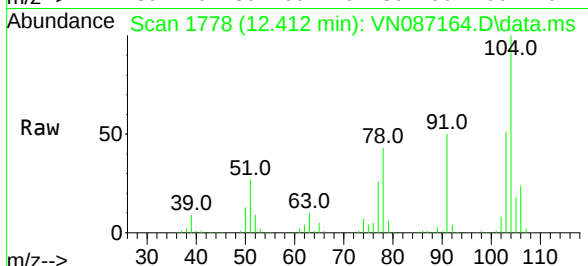




#69
 Styrene
 Concen: 53.279 ug/l
 RT: 12.412 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

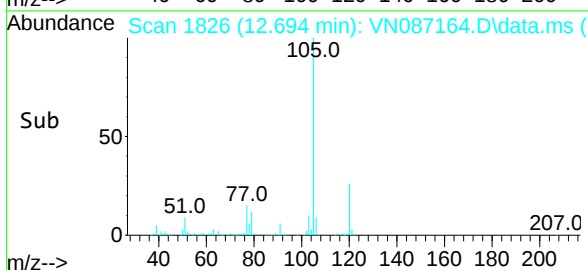
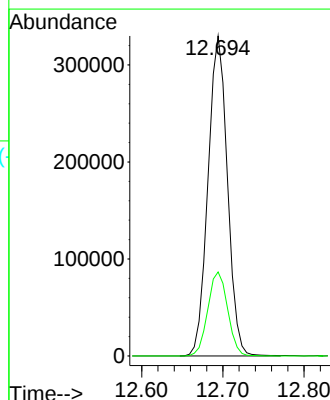
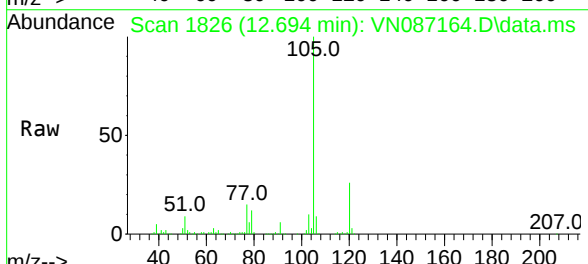
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

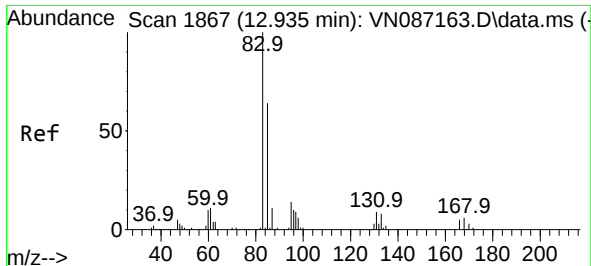
Tgt Ion:104 Resp: 379767
 Ion Ratio Lower Upper
 104 100
 78 48.6 39.8 59.8
 103 54.7 44.2 66.4



#70
 Isopropylbenzene
 Concen: 52.961 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion:105 Resp: 547639
 Ion Ratio Lower Upper
 105 100
 120 26.8 19.0 35.2

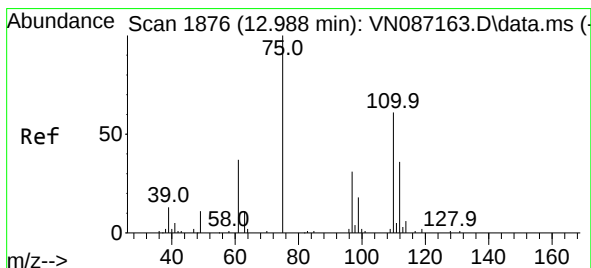
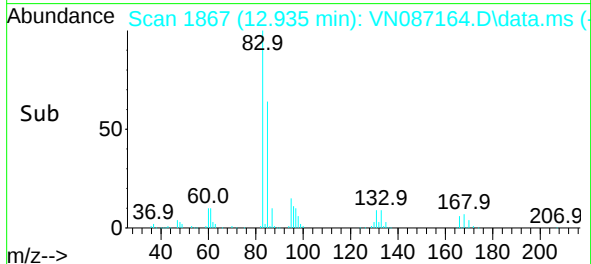
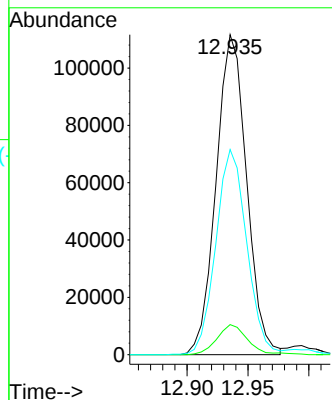
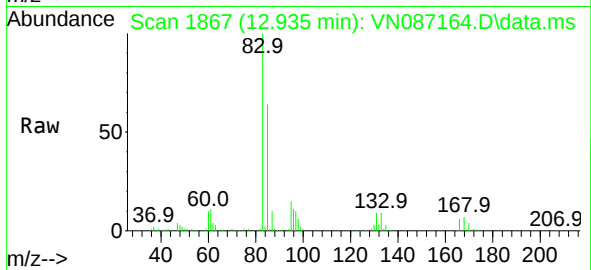




#71
1,1,2,2-Tetrachloroethane
Concen: 52.264 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

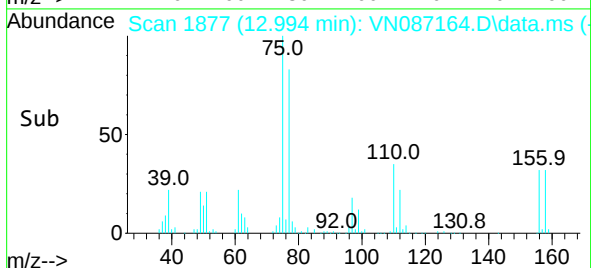
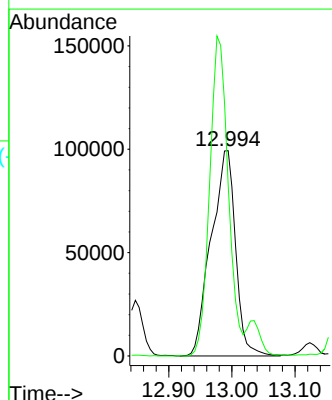
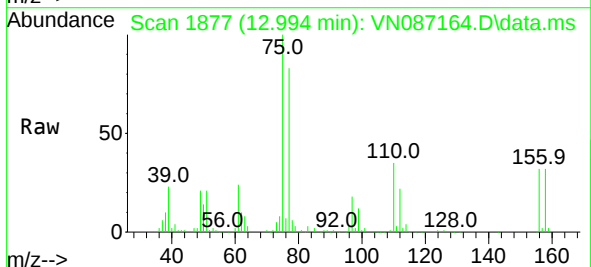
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

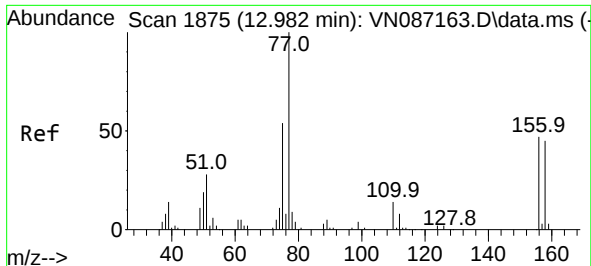
Tgt Ion: 83 Resp: 194527
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.4
85 64.9 31.3 93.9



#72
1,2,3-Trichloropropane
Concen: 83.004 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 75 Resp: 266413
Ion Ratio Lower Upper
75 100
77 118.6 0.0 379.2

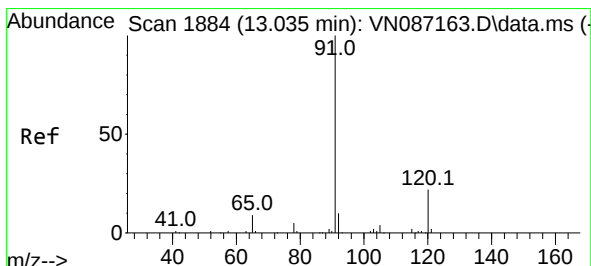
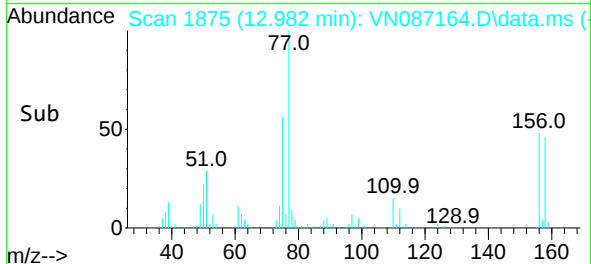
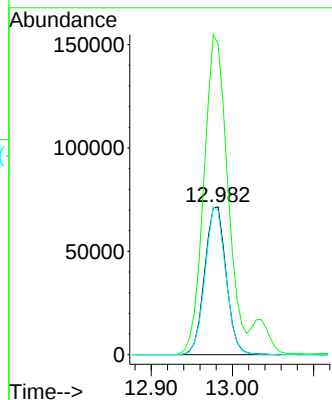
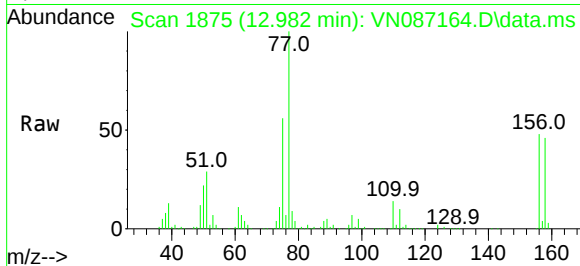




#73
Bromobenzene
Concen: 52.183 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

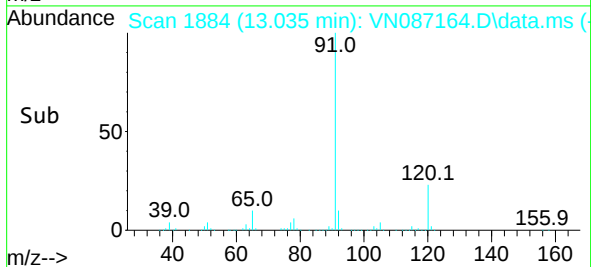
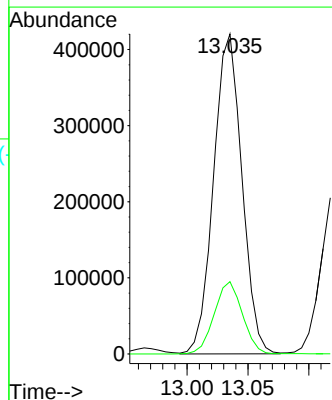
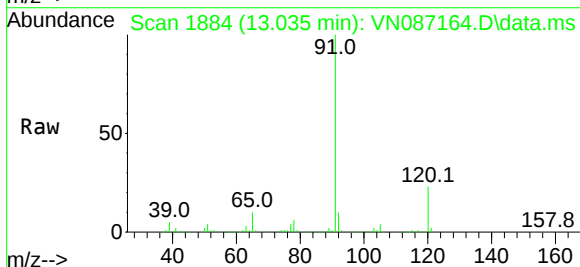
Instrument :
MSVOA_N
ClientSampleId :
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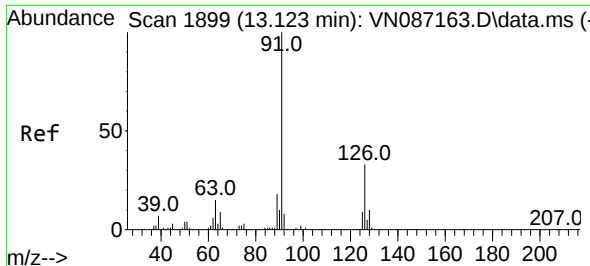
Tgt Ion:156 Resp: 130892
Ion Ratio Lower Upper
156 100
77 241.4 0.0 489.0
158 96.7 0.0 195.2



#74
n-propylbenzene
Concen: 53.858 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 91 Resp: 680365
Ion Ratio Lower Upper
91 100
120 22.5 0.0 43.6

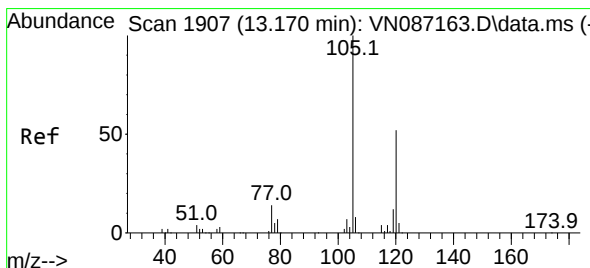
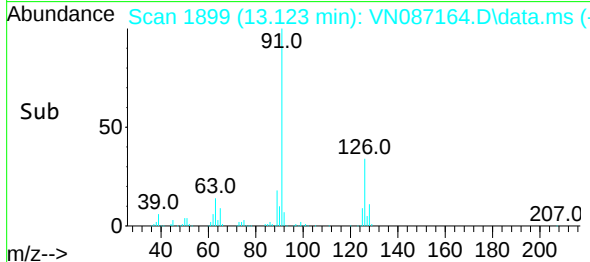
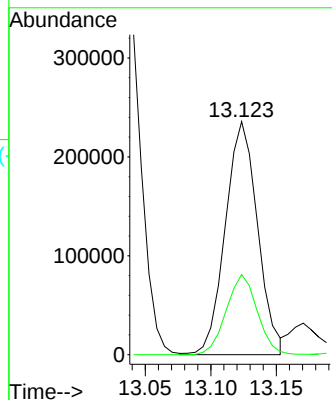
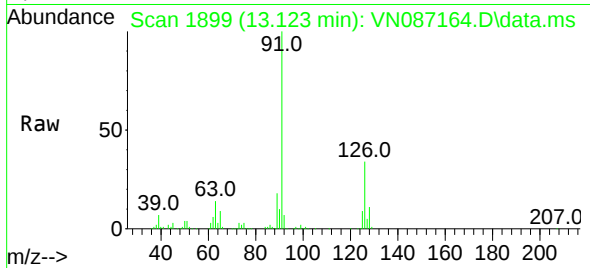




#75
2-Chlorotoluene
Concen: 52.830 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

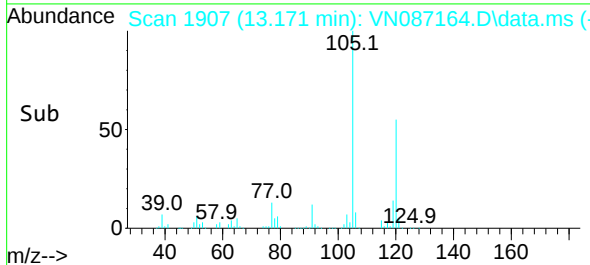
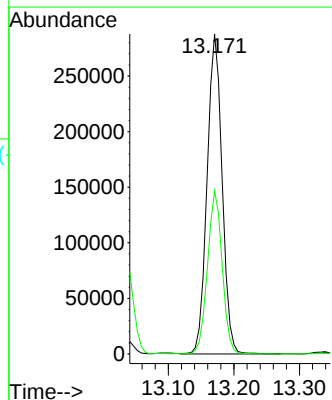
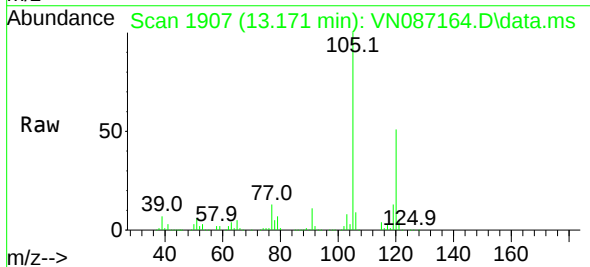
Instrument :
MSVOA_N
ClientSampleId :
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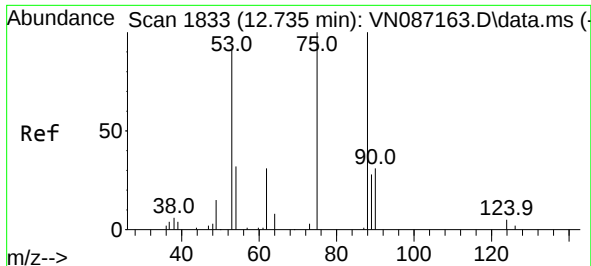
Tgt Ion: 91 Resp: 403198
Ion Ratio Lower Upper
91 100
126 33.1 0.0 63.8



#76
1,3,5-Trimethylbenzene
Concen: 54.514 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:105 Resp: 458902
Ion Ratio Lower Upper
105 100
120 49.6 0.0 100.8

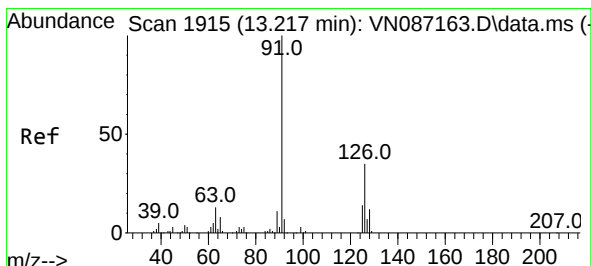
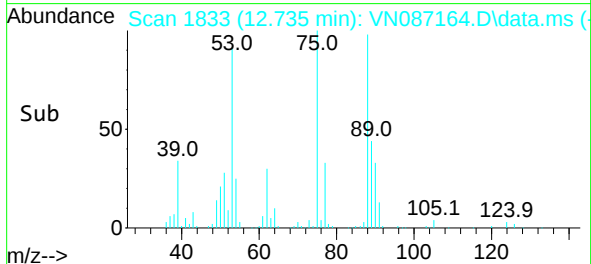
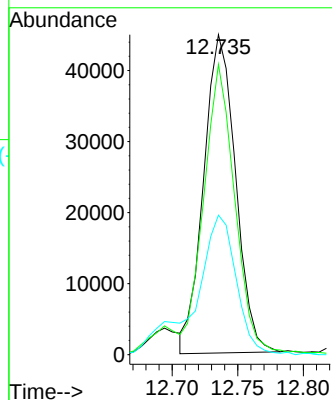
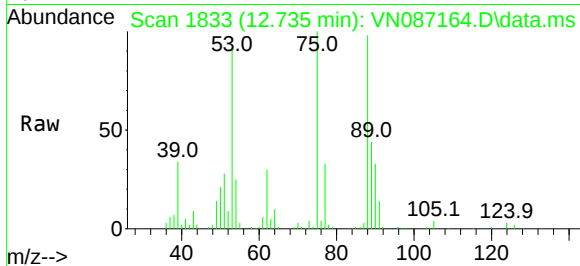




#77
t-1,4-Dichloro-2-butene
Concen: 53.215 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

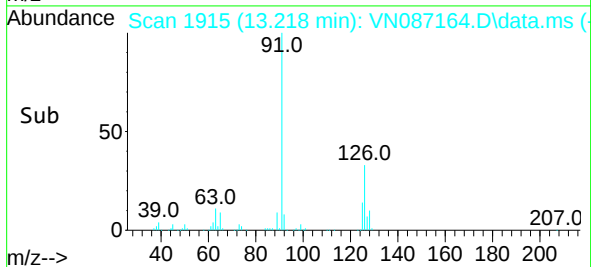
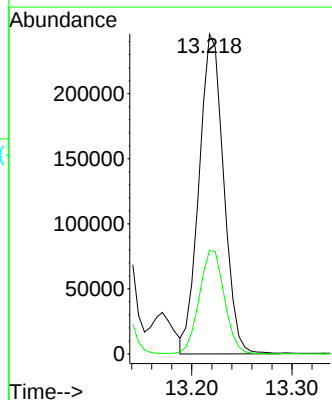
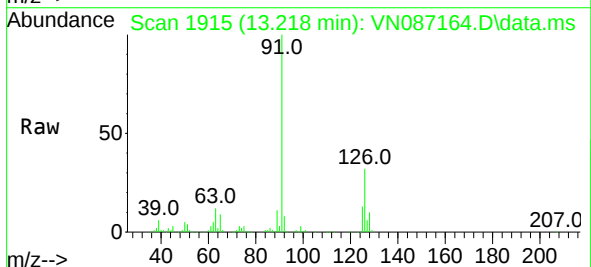
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

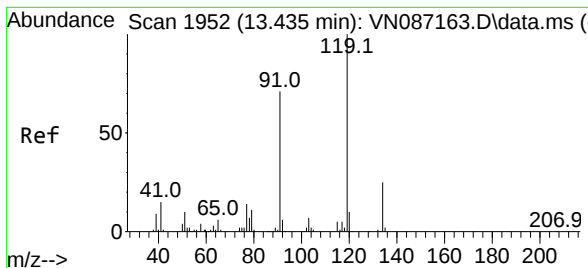
Tgt Ion: 75 Resp: 75763
Ion Ratio Lower Upper
75 100
53 90.1 45.9 137.6
89 43.5 22.3 66.9



#78
4-Chlorotoluene
Concen: 53.734 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 91 Resp: 420022
Ion Ratio Lower Upper
91 100
126 32.9 0.0 65.2

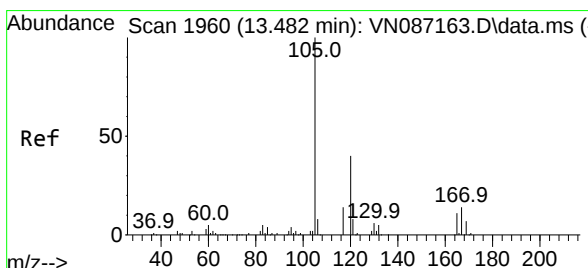
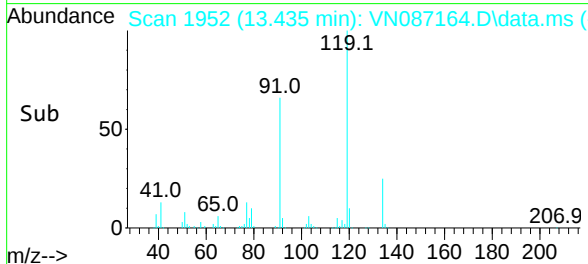
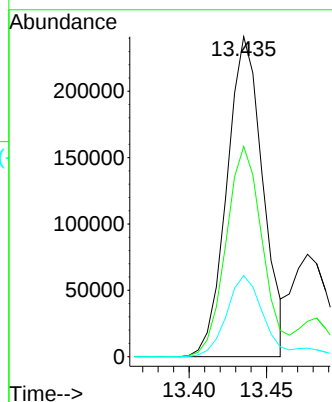
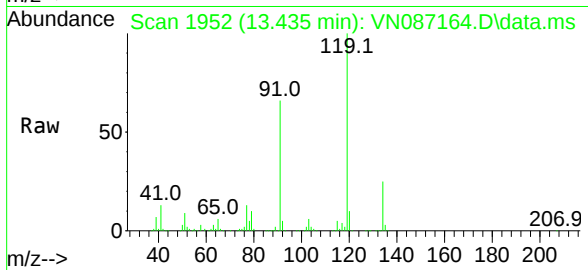




#79
tert-butylbenzene
Concen: 55.005 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

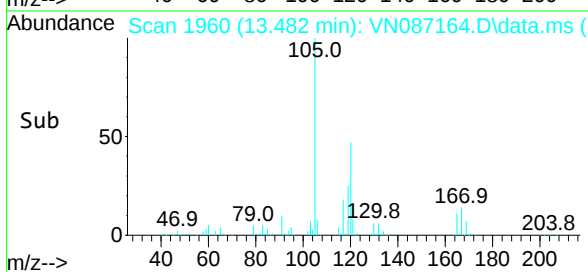
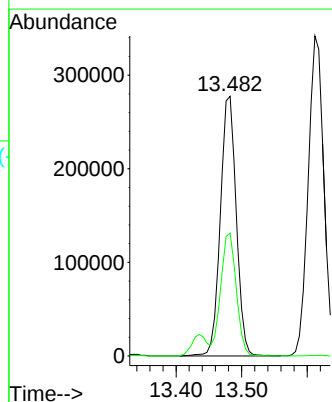
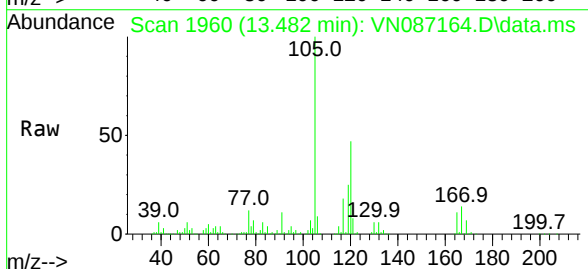
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

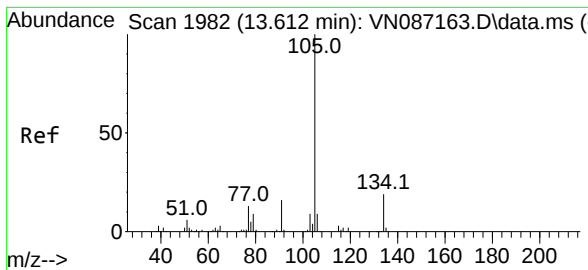
Tgt Ion:119 Resp: 389222
Ion Ratio Lower Upper
119 100
91 66.9 0.0 137.0
134 25.2 0.0 49.4



#80
1,2,4-Trimethylbenzene
Concen: 55.175 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:105 Resp: 466397
Ion Ratio Lower Upper
105 100
120 45.9 0.0 94.0

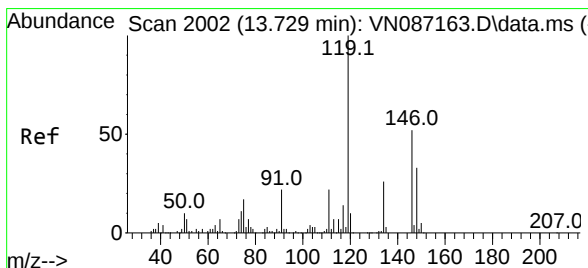
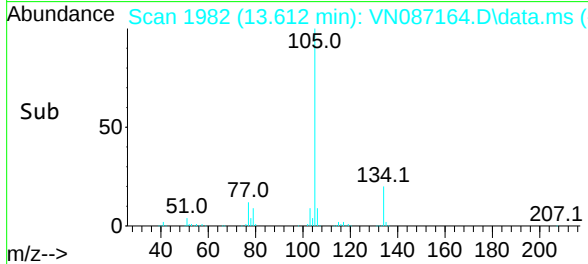
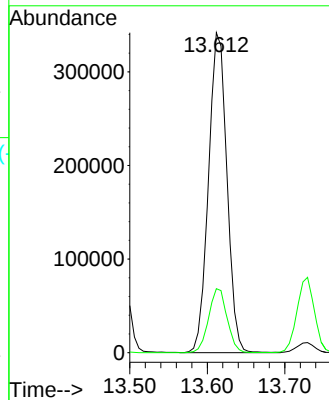
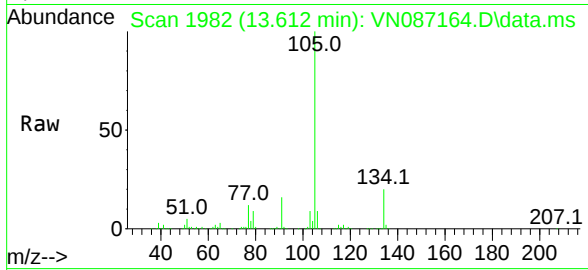




#81
 sec-Butylbenzene
 Concen: 54.918 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

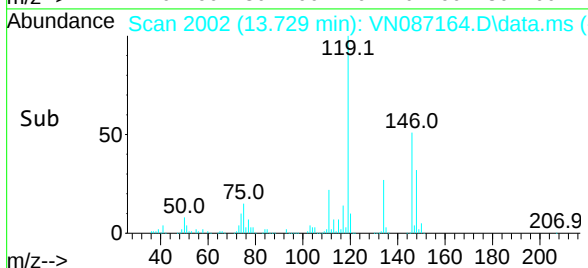
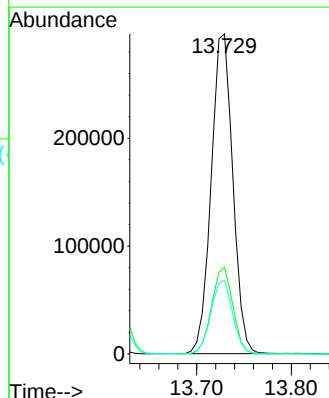
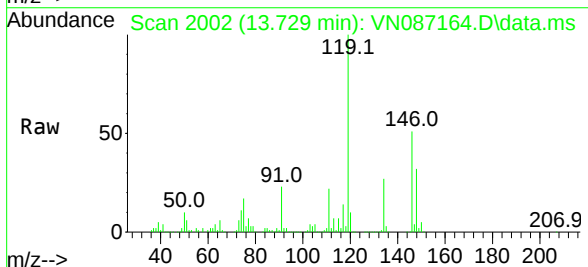
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

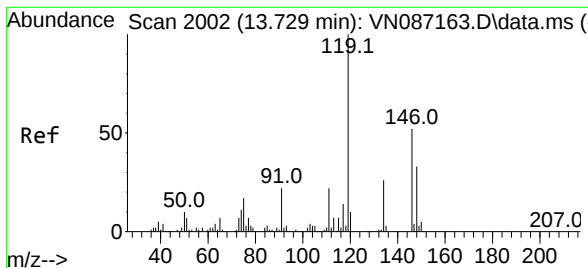
Tgt Ion:105 Resp: 564906
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 54.879 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion:119 Resp: 469774
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 51.2
 91 23.2 0.0 46.4





#83

1,3-Dichlorobenzene

Concen: 53.265 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

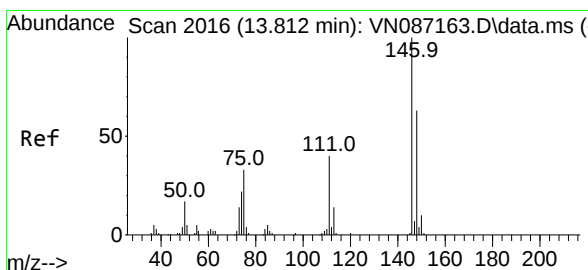
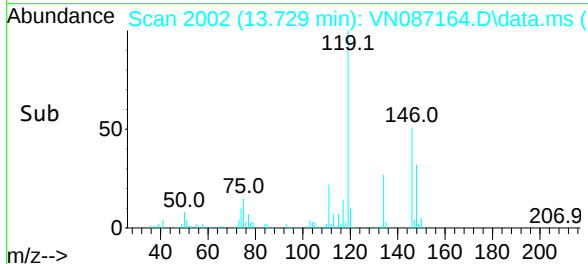
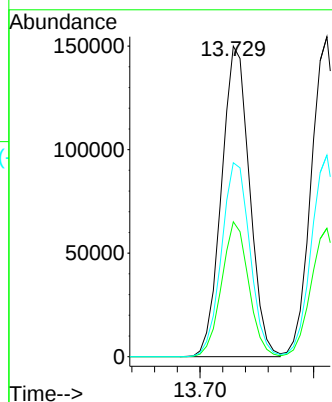
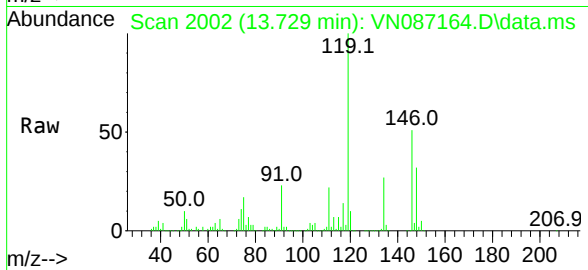
Tgt Ion:146 Resp: 257282

Ion Ratio Lower Upper

146 100

111 41.8 21.1 63.3

148 63.3 31.6 94.8



#84

1,4-Dichlorobenzene

Concen: 53.684 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

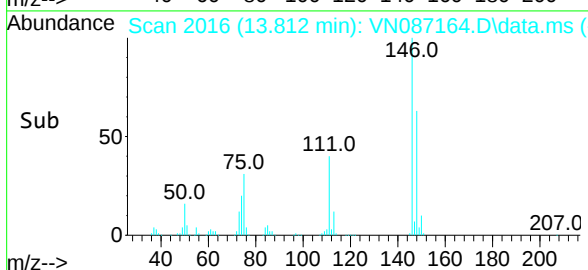
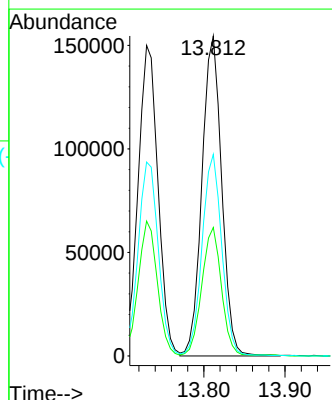
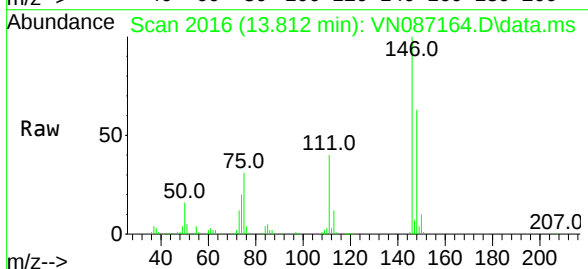
Tgt Ion:146 Resp: 260975

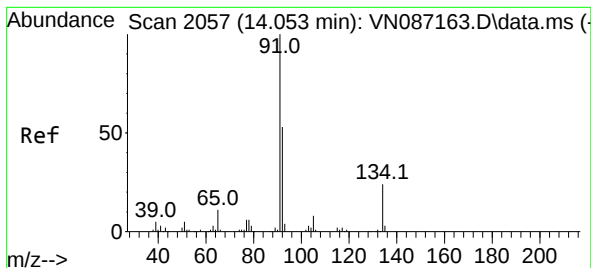
Ion Ratio Lower Upper

146 100

111 39.3 20.1 60.2

148 63.0 31.4 94.2





#85

n-Butylbenzene

Concen: 56.150 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

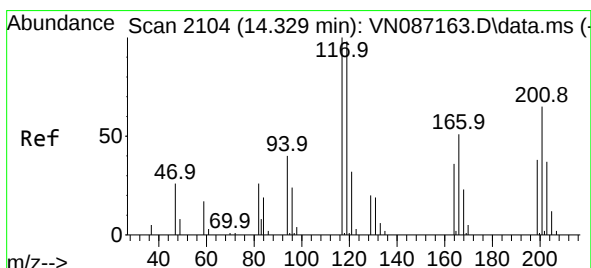
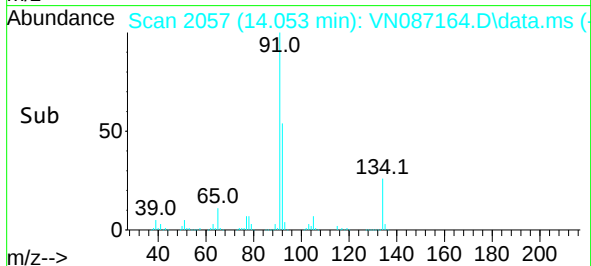
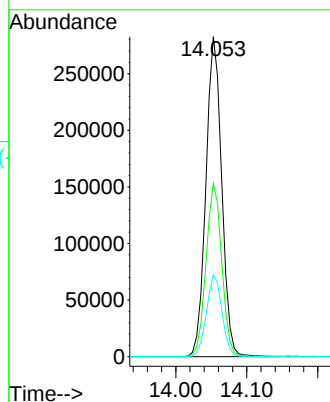
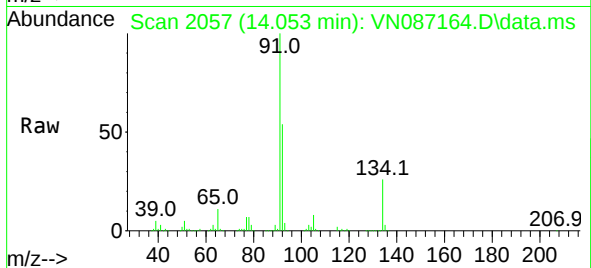
Tgt Ion: 91 Resp: 438545

Ion Ratio Lower Upper

91 100

92 53.8 0.0 106.4

134 25.2 0.0 48.8



#86

Hexachloroethane

Concen: 53.183 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN087164.D

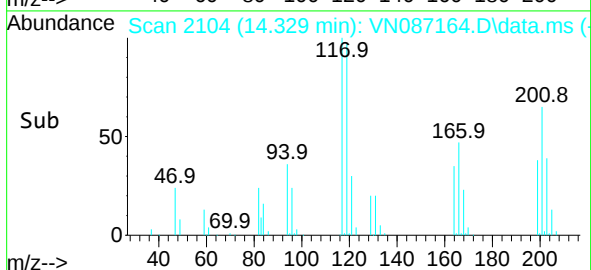
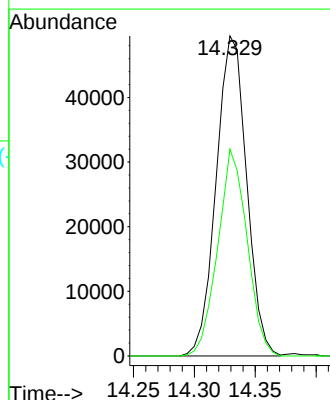
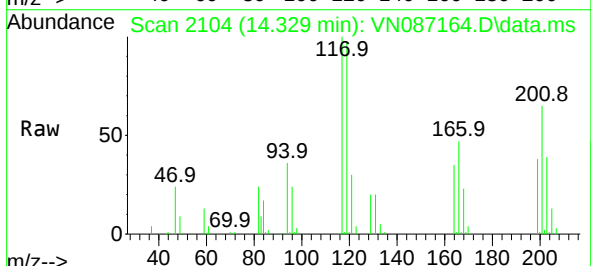
Acq: 25 Jun 2025 09:41

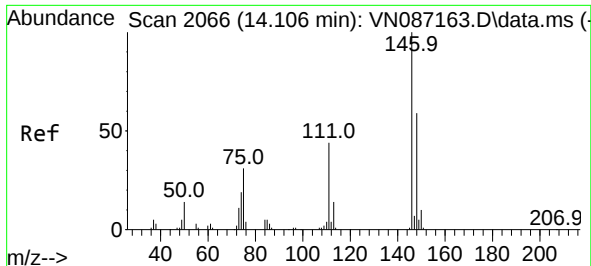
Tgt Ion: 117 Resp: 86176

Ion Ratio Lower Upper

117 100

201 62.2 30.8 92.3

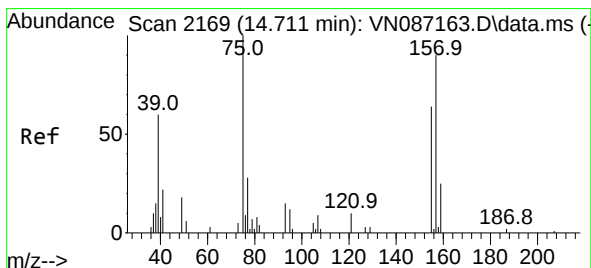
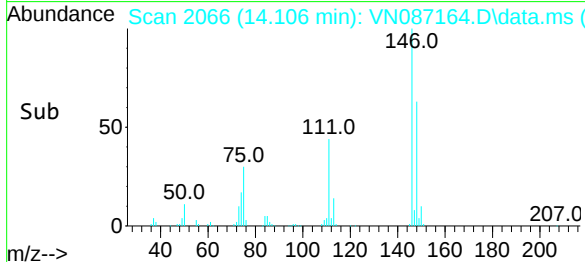
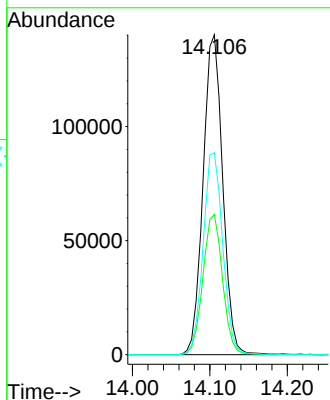
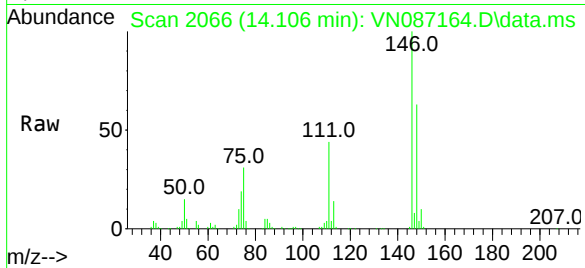




#87
1,2-Dichlorobenzene
Concen: 54.135 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

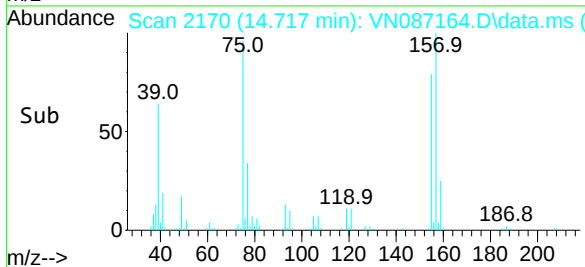
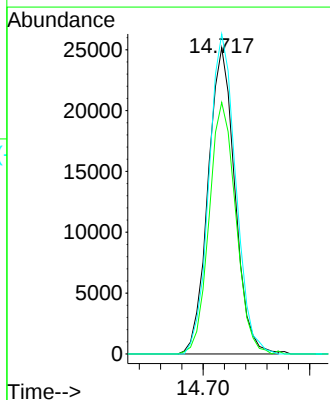
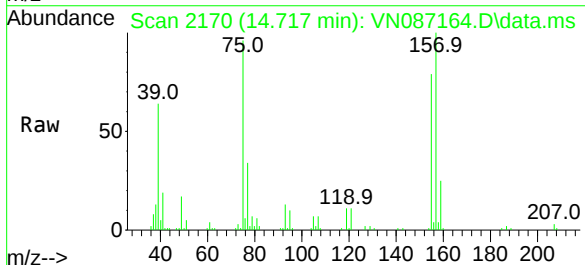
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

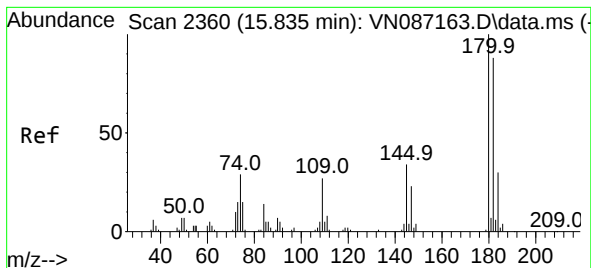
Tgt Ion:146 Resp: 246553
Ion Ratio Lower Upper
146 100
111 43.8 22.1 66.1
148 63.4 31.6 95.0



#88
1,2-Dibromo-3-Chloropropane
Concen: 52.309 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 75 Resp: 43840
Ion Ratio Lower Upper
75 100
155 81.7 58.3 87.5
157 104.3 79.2 118.8





#89

1,2,4-Trichlorobenzene

Concen: 49.462 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

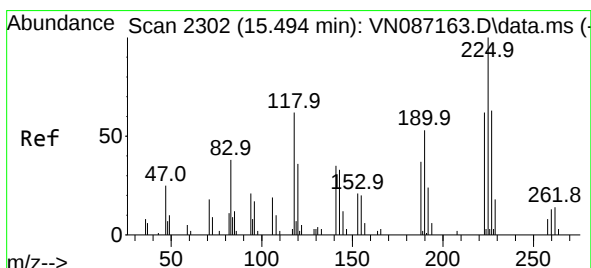
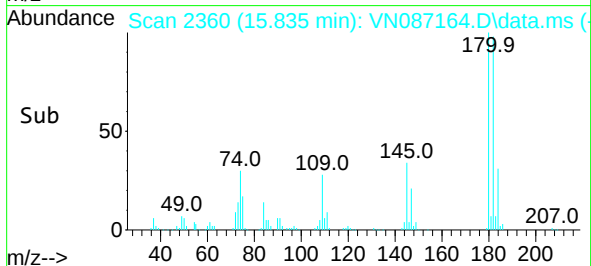
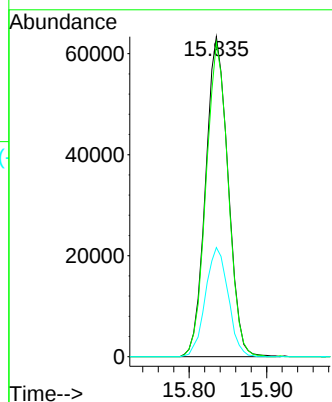
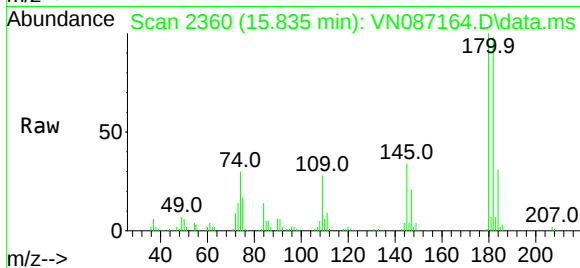
Tgt Ion:180 Resp: 127450

Ion Ratio Lower Upper

180 100

182 96.6 74.2 111.2

145 34.6 27.6 41.4



#90

Hexachlorobutadiene

Concen: 52.784 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

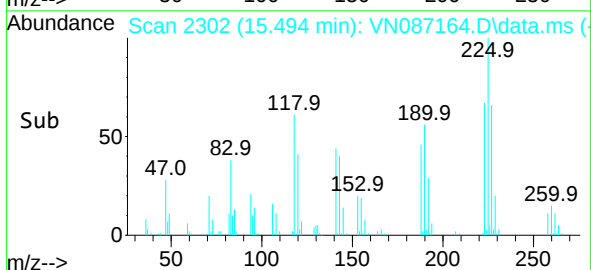
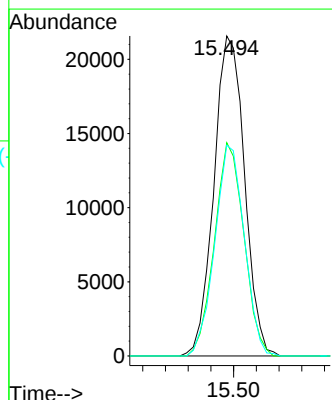
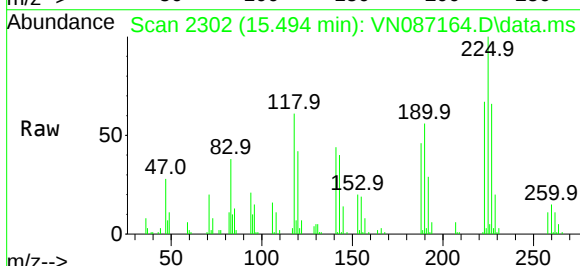
Tgt Ion:225 Resp: 40360

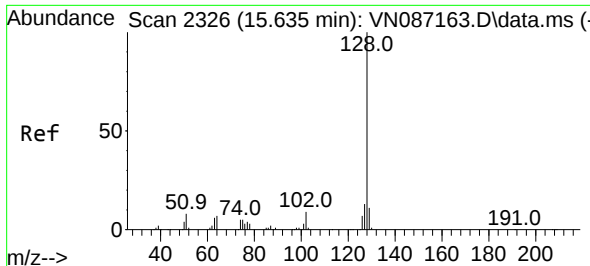
Ion Ratio Lower Upper

225 100

223 64.2 0.0 134.2

227 63.5 0.0 122.6

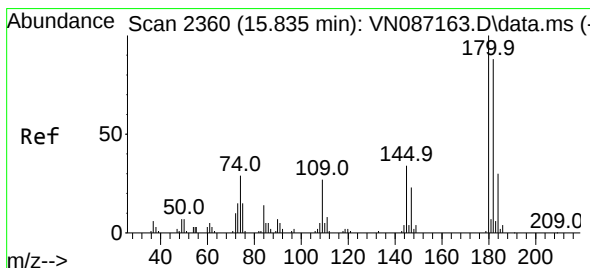
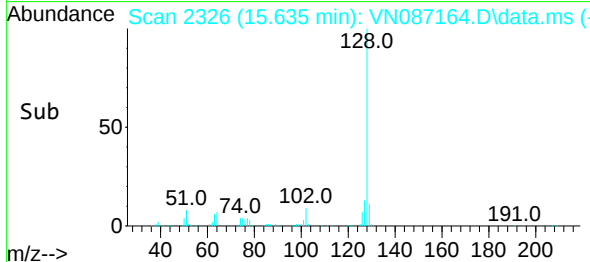
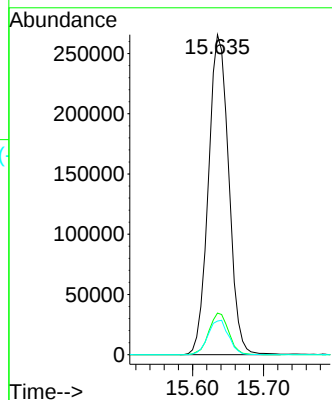
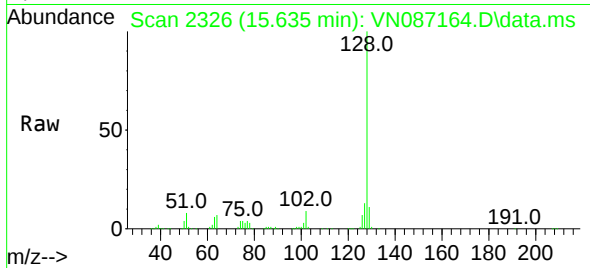




#91
Naphthalene
Concen: 52.127 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 528628
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 49.462 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:180 Resp: 127450
Ion Ratio Lower Upper
180 100
182 96.6 0.0 185.4
145 34.6 0.0 69.0

