

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110725\
 Data File : VN088222.D
 Acq On : 07 Nov 2025 09:49
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 08 01:52:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	312291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	595955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	524310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	253740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	302848	56.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.160%			
35) Dibromofluoromethane	8.147	113	207676	51.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.740%			
50) Toluene-d8	10.541	98	749109	48.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.120%			
62) 4-Bromofluorobenzene	12.829	95	280345	51.457	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	157126	44.605	ug/l	92
3) Chloromethane	2.383	50	204187	49.270	ug/l	99
4) Vinyl Chloride	2.536	62	211309	46.797	ug/l	97
5) Bromomethane	2.971	94	117055	43.340	ug/l	98
6) Chloroethane	3.136	64	144087	44.289	ug/l	96
7) Trichlorofluoromethane	3.512	101	307918	42.755	ug/l	100
8) Diethyl Ether	3.959	74	138967	51.918	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	165013	44.402	ug/l	98
10) Methyl Iodide	4.577	142	190325	56.038	ug/l	98
11) Tert butyl alcohol	5.518	59	271821	292.177	ug/l	98
12) 1,1-Dichloroethene	4.336	96	169285	43.128	ug/l	93
13) Acrolein	4.177	56	190950	182.472	ug/l	96
14) Allyl chloride	5.012	41	355387	51.656	ug/l	99
15) Acrylonitrile	5.706	53	746411	294.538	ug/l	99
16) Acetone	4.418	43	730329	269.199	ug/l	99
17) Carbon Disulfide	4.706	76	532196	44.603	ug/l	97
18) Methyl Acetate	5.012	43	347719	62.605	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	808310	56.074	ug/l	97
20) Methylene Chloride	5.265	84	231013	50.727	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	205859	47.780	ug/l	99
22) Diisopropyl ether	6.659	45	799118	55.230	ug/l	99
23) Vinyl Acetate	6.588	43	3676917	282.119	ug/l	99
24) 1,1-Dichloroethane	6.553	63	433641	54.105	ug/l	97
25) 2-Butanone	7.465	43	1043471	291.856	ug/l	100
26) 2,2-Dichloropropane	7.471	77	337157	46.291	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	255190	51.450	ug/l	93
28) Bromochloromethane	7.794	49	224421	59.261	ug/l	97
29) Tetrahydrofuran	7.824	42	656824	281.895	ug/l	100
30) Chloroform	7.947	83	431501	53.891	ug/l	97
31) Cyclohexane	8.235	56	323918	42.851	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	352574	49.440	ug/l	99
36) 1,1-Dichloropropene	8.353	75	282294	48.290	ug/l	99
37) Ethyl Acetate	7.541	43	418748	55.508	ug/l	100
38) Carbon Tetrachloride	8.341	117	290980	48.194	ug/l	94
39) Methylcyclohexane	9.577	83	280683	37.354	ug/l	98
40) Benzene	8.588	78	895890	50.322	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	218129	54.938	ug/l	97
42) 1,2-Dichloroethane	8.653	62	354883	56.102	ug/l	99
43) Isopropyl Acetate	8.671	43	660380	56.968	ug/l	99
44) Trichloroethene	9.329	130	200708	48.232	ug/l	99
45) 1,2-Dichloropropane	9.600	63	237805	52.909	ug/l	99
46) Dibromomethane	9.688	93	169133	52.763	ug/l	96
47) Bromodichloromethane	9.865	83	351288	54.736	ug/l	97
48) Methyl methacrylate	9.659	41	303730	56.752	ug/l	98
49) 1,4-Dioxane	9.677	88	77849	1169.552	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	1983321	289.210	ug/l	99
52) Toluene	10.606	92	540256	49.220	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	373963	54.748	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	388938	53.659	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	215048	51.640	ug/l	96
56) Ethyl methacrylate	10.853	69	379487	57.585	ug/l	99
57) 1,3-Dichloropropane	11.141	76	395304	54.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1061043	309.534	ug/l	100
59) 2-Hexanone	11.176	43	1373734	301.969	ug/l	99
60) Dibromochloromethane	11.335	129	250434	52.910	ug/l	99
61) 1,2-Dibromoethane	11.447	107	225469	52.609	ug/l	99
64) Tetrachloroethene	11.082	164	159014	45.979	ug/l	96
65) Chlorobenzene	11.871	112	598610	50.280	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	201920	51.768	ug/l	99
67) Ethyl Benzene	11.941	91	1031771	49.372	ug/l	100
68) m/p-Xylenes	12.047	106	767071	97.965	ug/l	99
69) o-Xylene	12.376	106	373252	50.286	ug/l	99
70) Styrene	12.388	104	645506	53.331	ug/l	97
71) Bromoform	12.559	173	161209	55.383	ug/l #	98
73) Isopropylbenzene	12.670	105	934927	47.773	ug/l	100
74) N-amyl acetate	12.506	43	201943	36.350	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	327726	53.788	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	451335	77.799	ug/l	62
77) Bromobenzene	12.959	156	220558	52.263	ug/l	92
78) n-propylbenzene	13.012	91	1131819	47.391	ug/l	99
79) 2-Chlorotoluene	13.100	91	709360	52.083	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	784734	48.282	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	110109	52.946	ug/l	85
82) 4-Chlorotoluene	13.200	91	731629	49.651	ug/l	100
83) tert-Butylbenzene	13.417	119	641681	44.196	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	805835	49.554	ug/l	99
85) sec-Butylbenzene	13.594	105	888435	41.649	ug/l	100
86) p-Isopropyltoluene	13.706	119	749639	43.807	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	422825	50.189	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	427207	47.214	ug/l	98
89) n-Butylbenzene	14.035	91	690570	40.741	ug/l	99
90) Hexachloroethane	14.312	117	141121	42.586	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	403897	49.736	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	78198	55.142	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	206557	41.999	ug/l	99
94) Hexachlorobutadiene	15.470	225	64547	35.243	ug/l	98
95) Naphthalene	15.611	128	796369	47.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	197915	41.969	ug/l	99

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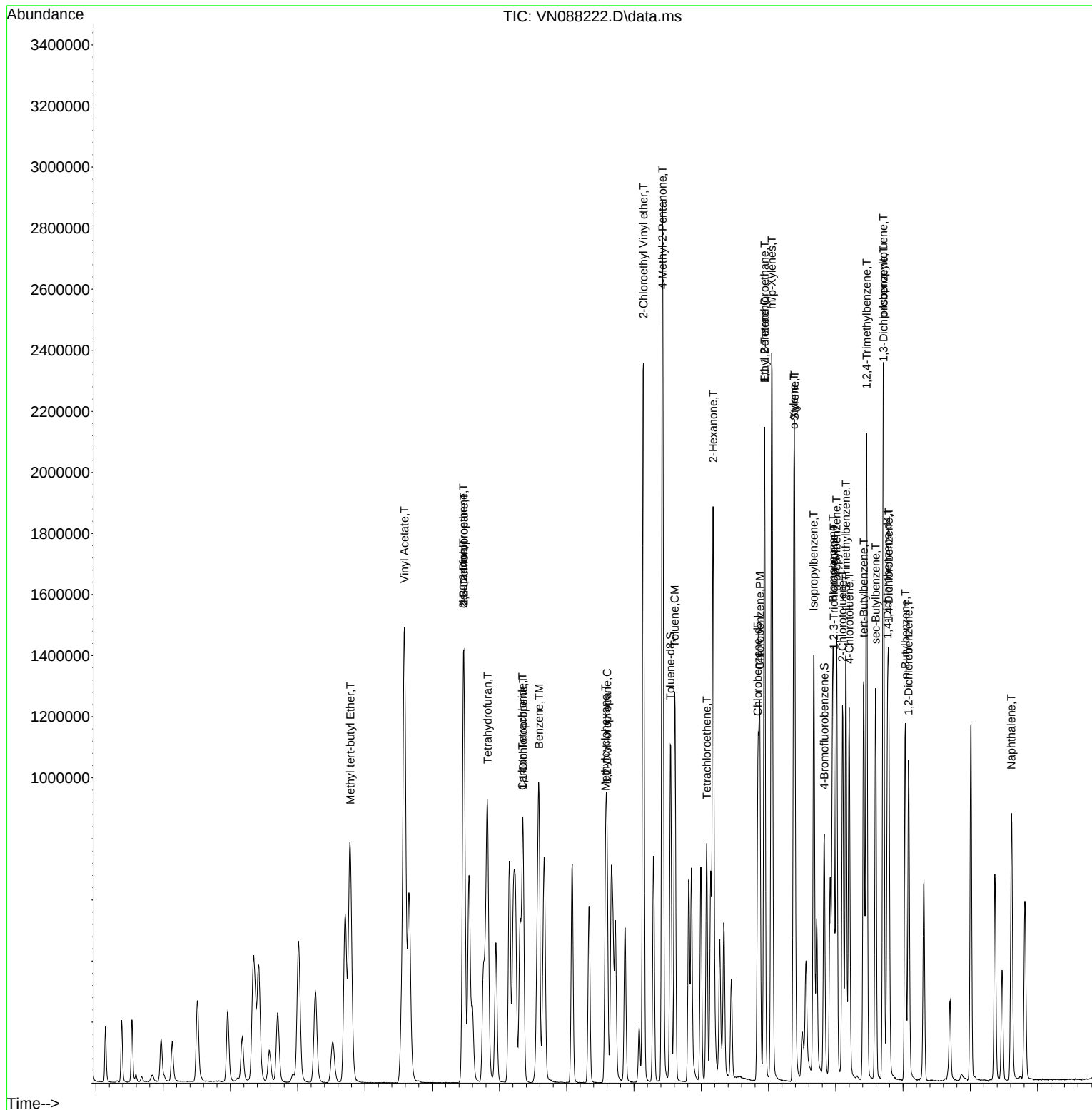
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

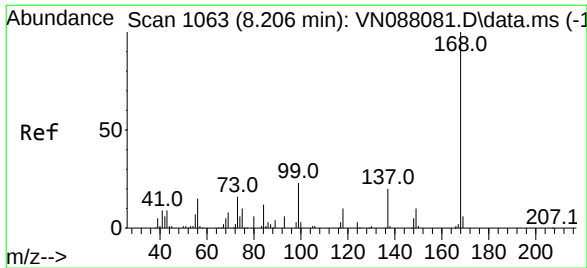
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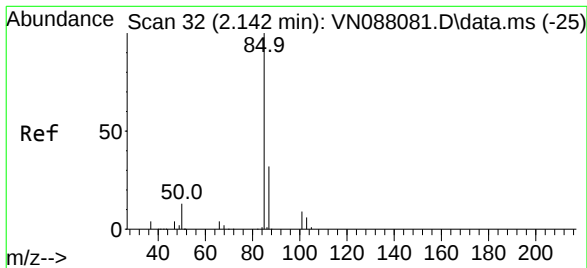
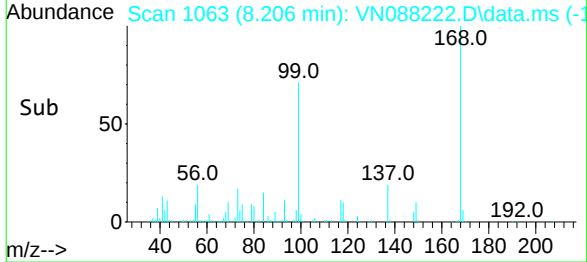
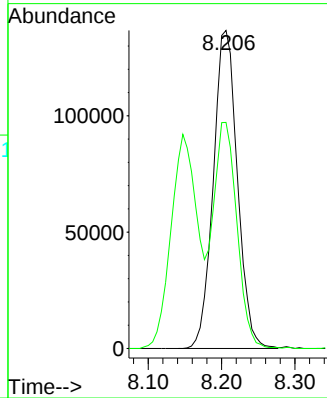
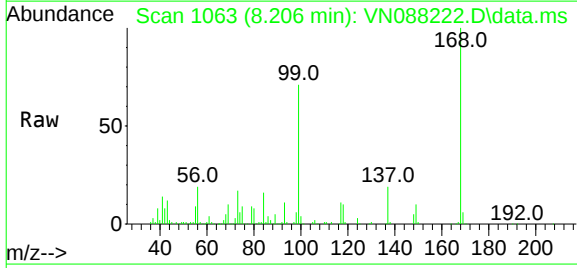




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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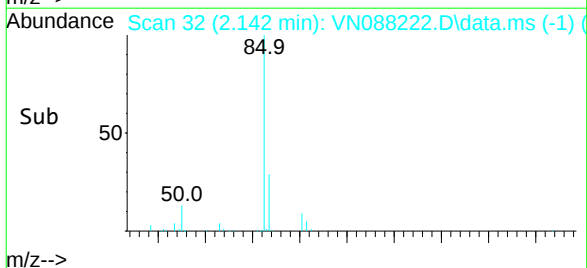
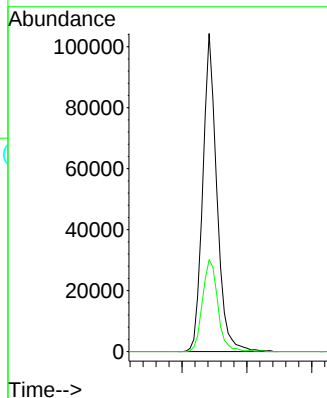
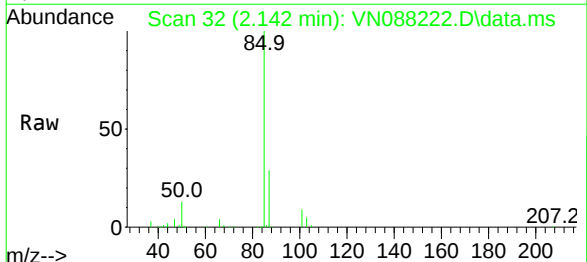
Instrument :
MSVOA_N
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VSTDCCC050

Tgt Ion:168 Resp: 312291
Ion Ratio Lower Upper
168 100
99 70.8 57.2 85.8

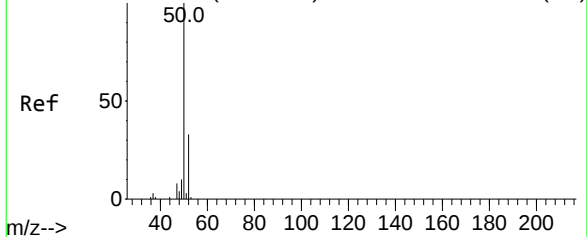


#2
Dichlorodifluoromethane
Concen: 44.605 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 85 Resp: 157126
Ion Ratio Lower Upper
85 100
87 28.9 16.6 49.8



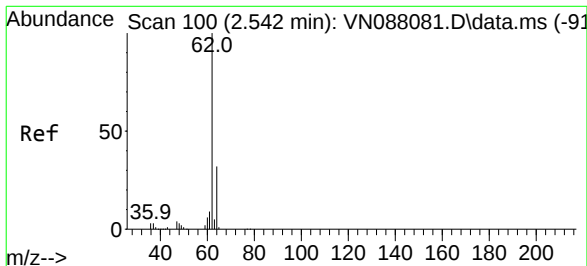
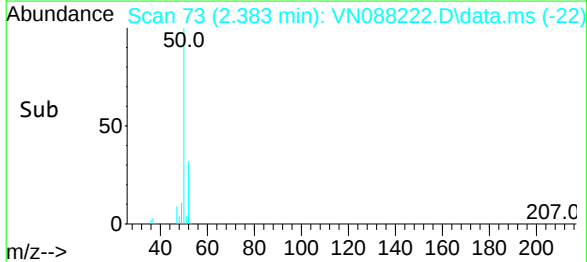
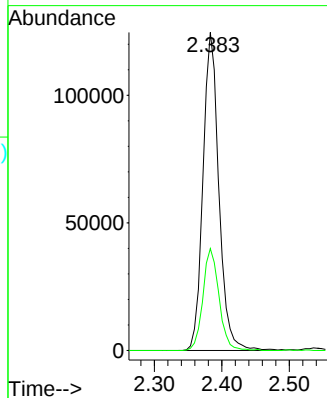
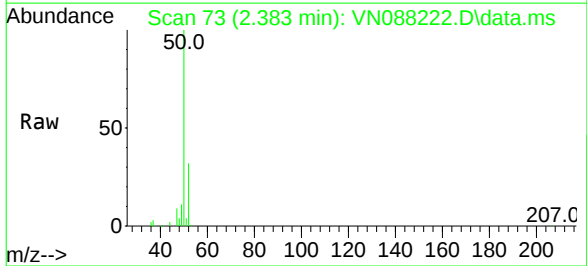
Abundance Scan 73 (2.383 min): VN088081.D\data.ms (-64)



#3
Chloromethane
Concen: 49.270 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

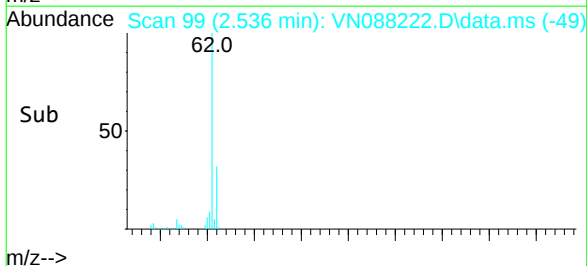
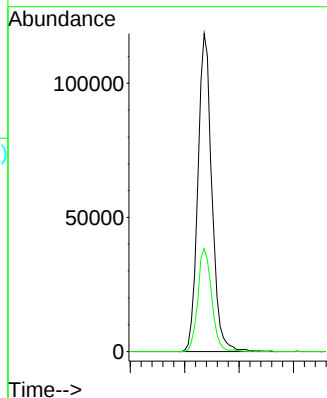
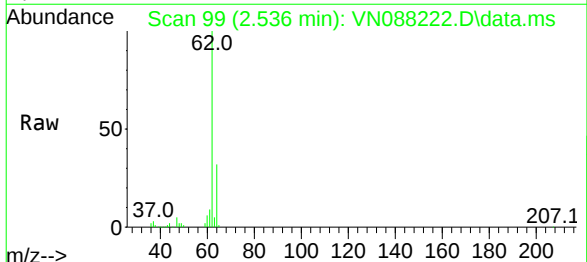
Instrument :
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ClientSampleId :
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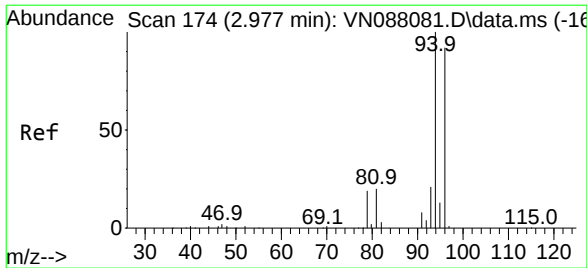
Tgt Ion: 50 Resp: 204187
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.4



#4
Vinyl Chloride
Concen: 46.797 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 62 Resp: 211309
Ion Ratio Lower Upper
62 100
64 32.4 24.6 37.0

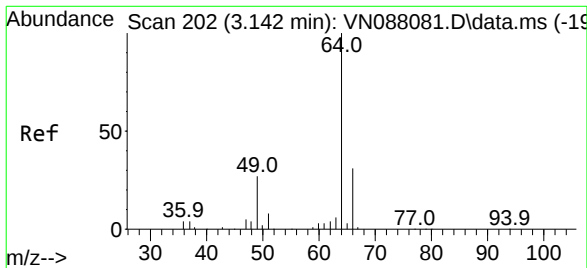
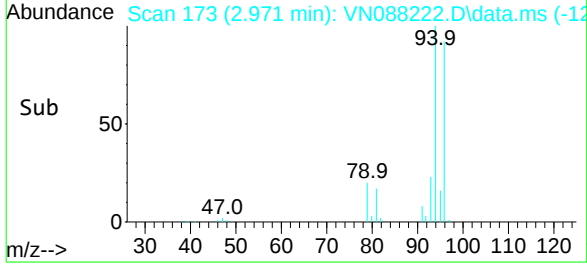
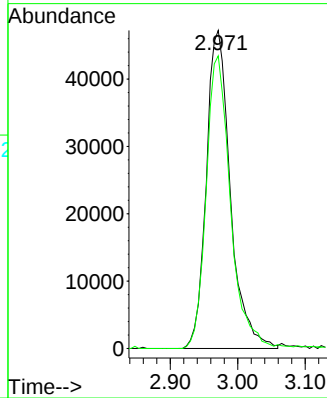
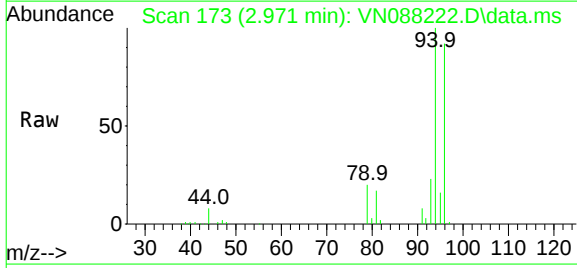




#5
Bromomethane
Concen: 43.340 ug/l
RT: 2.971 min Scan# 17
Delta R.T. -0.000 min
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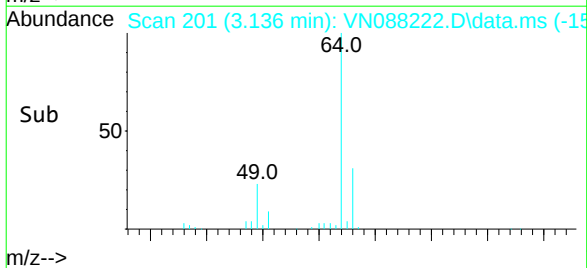
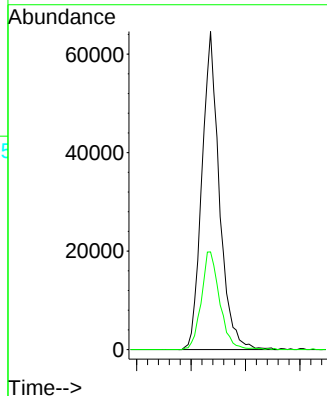
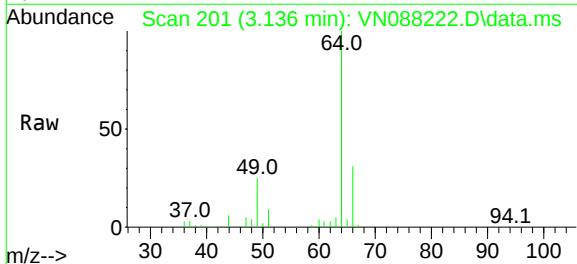
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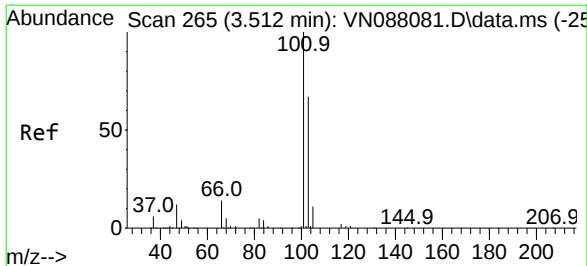
Tgt Ion: 94 Resp: 117055
Ion Ratio Lower Upper
94 100
96 92.0 75.4 113.2



#6
Chloroethane
Concen: 44.289 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.000 min
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Tgt Ion: 64 Resp: 144087
Ion Ratio Lower Upper
64 100
66 30.7 26.2 39.2

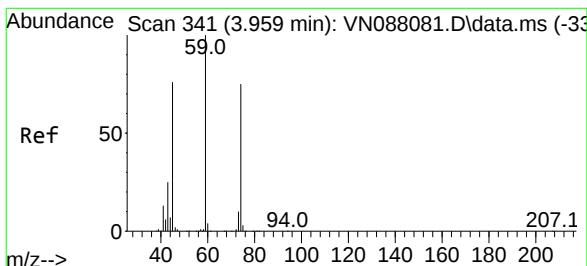
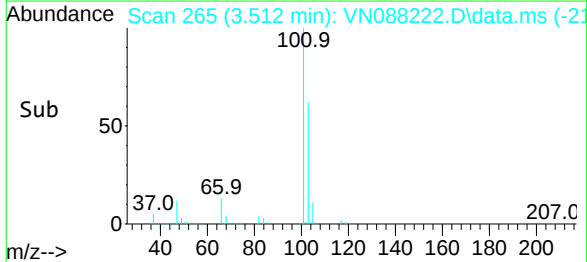
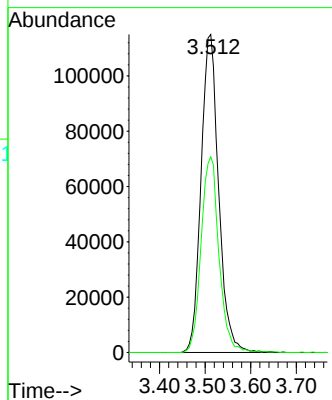
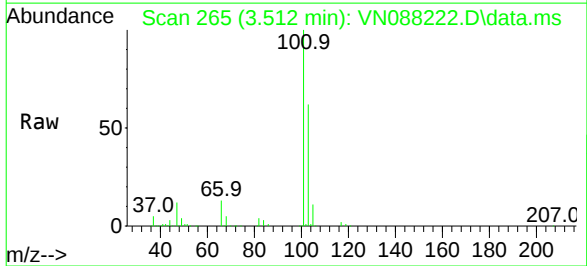




#7
 Trichlorofluoromethane
 Concen: 42.755 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VN088222.D
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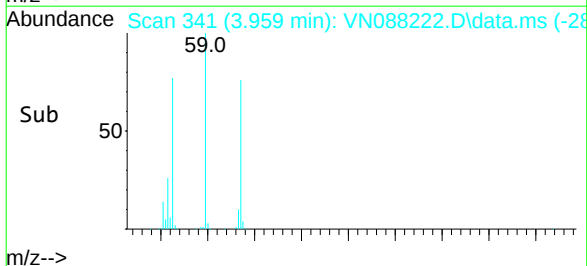
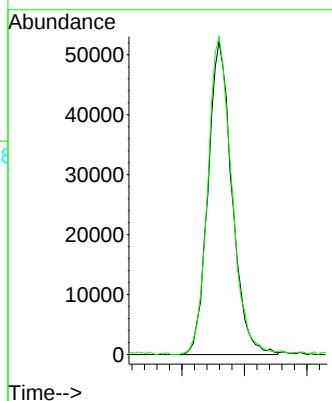
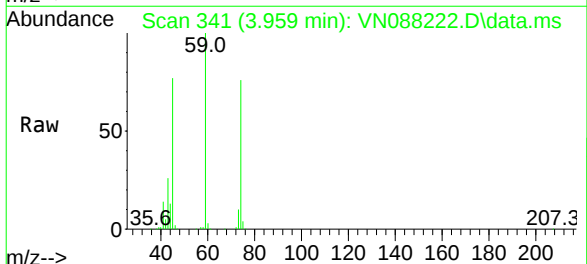
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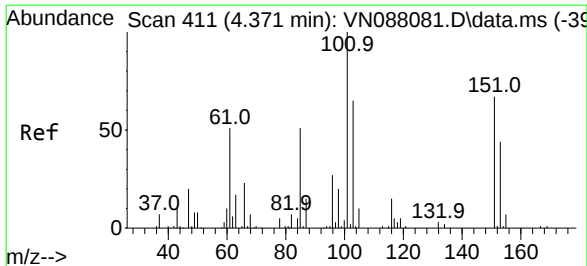
Tgt Ion:101 Resp: 307918
 Ion Ratio Lower Upper
 101 100
 103 61.5 49.4 74.0



#8
 Diethyl Ether
 Concen: 51.918 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VN088222.D
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Tgt Ion: 74 Resp: 138967
 Ion Ratio Lower Upper
 74 100
 45 102.1 50.6 151.9

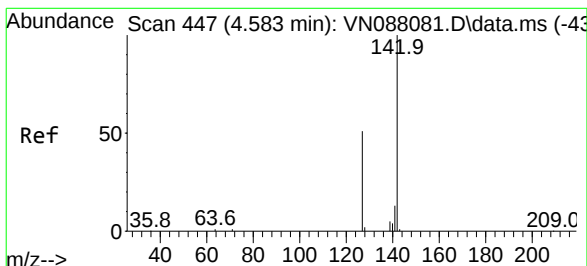
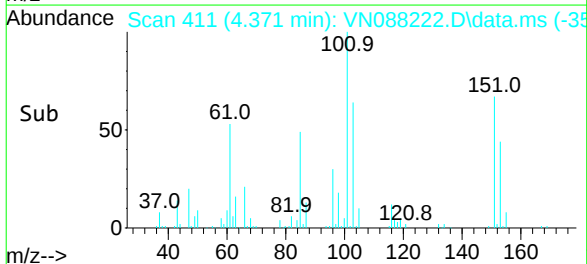
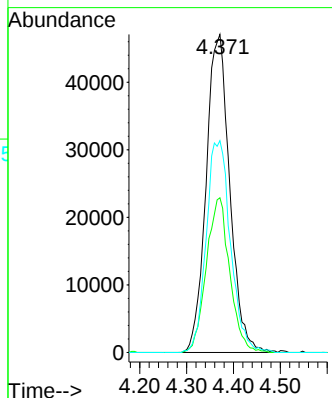
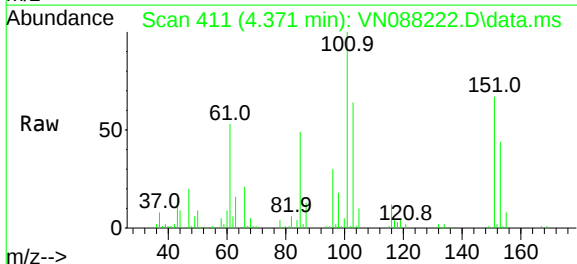




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.402 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

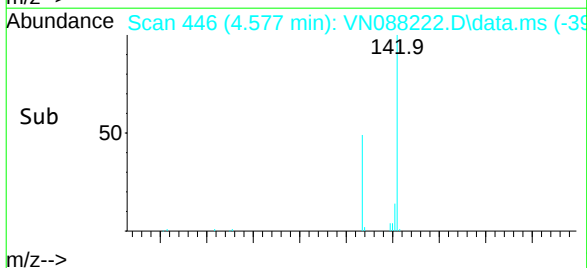
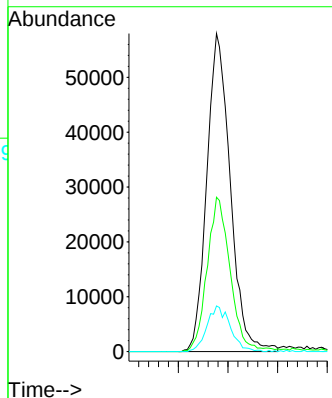
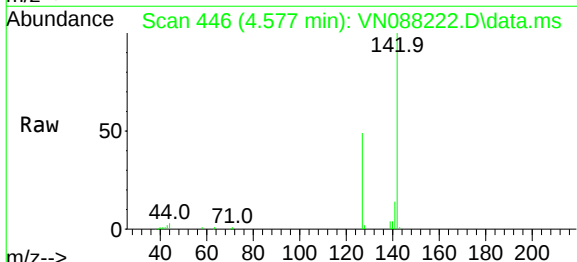
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

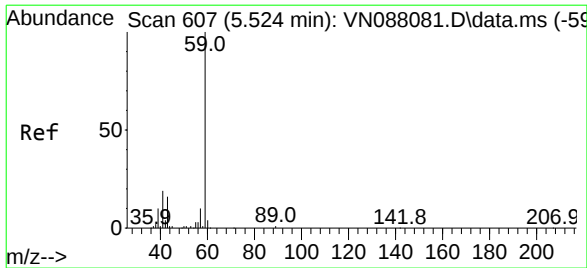
Tgt Ion:101 Resp: 165013
Ion Ratio Lower Upper
101 100
85 48.2 36.6 55.0
151 68.6 54.7 82.1



#10
Methyl Iodide
Concen: 56.038 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion:142 Resp: 190325
Ion Ratio Lower Upper
142 100
127 48.5 38.0 57.0
141 14.4 12.0 18.0

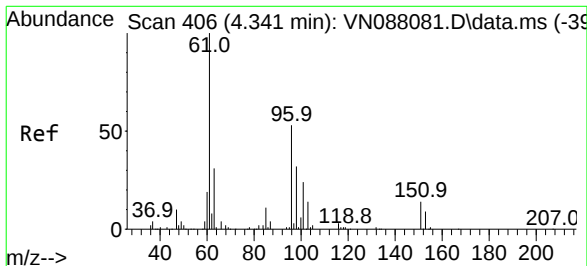
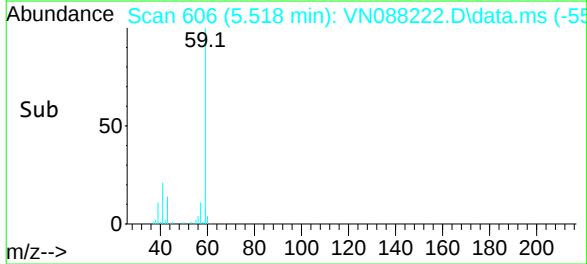
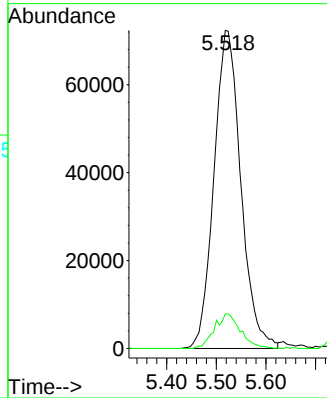
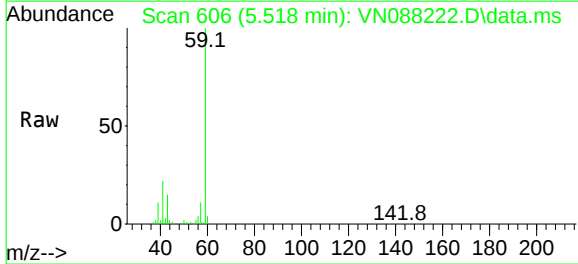




#11
Tert butyl alcohol
Concen: 292.177 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

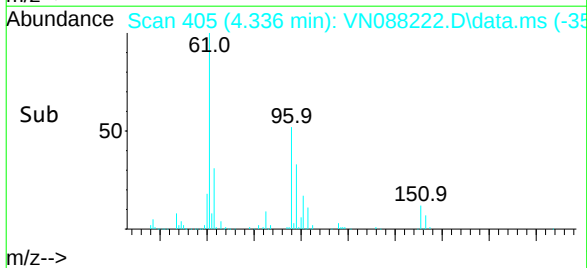
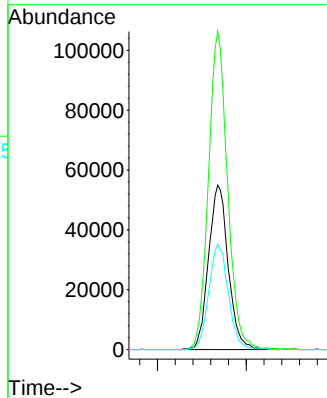
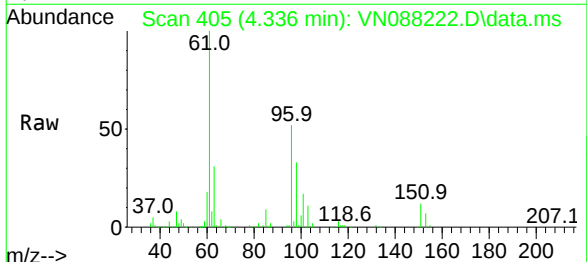
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

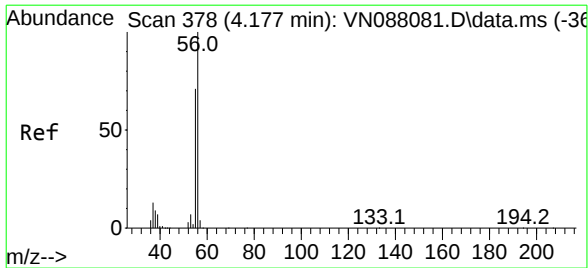
Tgt Ion: 59 Resp: 271821
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.4



#12
1,1-Dichloroethene
Concen: 43.128 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 96 Resp: 169285
Ion Ratio Lower Upper
96 100
61 193.5 143.8 215.8
98 64.0 52.1 78.1





#13

Acrolein

Concen: 182.472 ug/l

RT: 4.177 min Scan# 37

Delta R.T. 0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

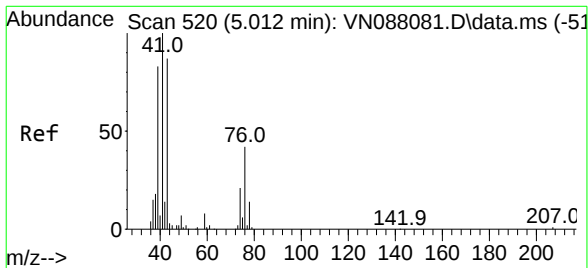
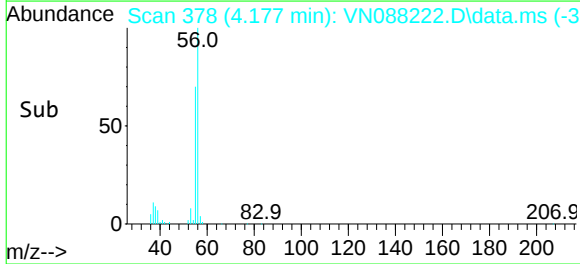
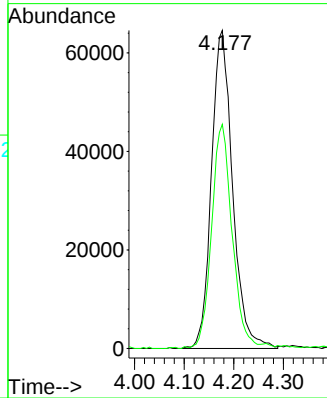
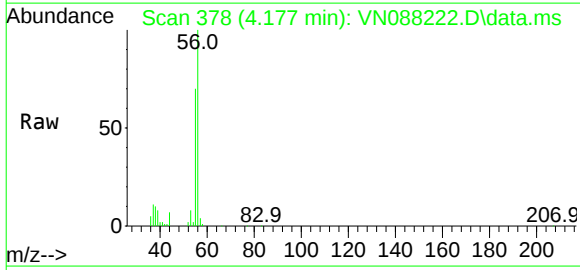
VSTDCCC050

Tgt Ion: 56 Resp: 190950

Ion Ratio Lower Upper

56 100

55 68.4 57.3 85.9



#14

Allyl chloride

Concen: 51.656 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

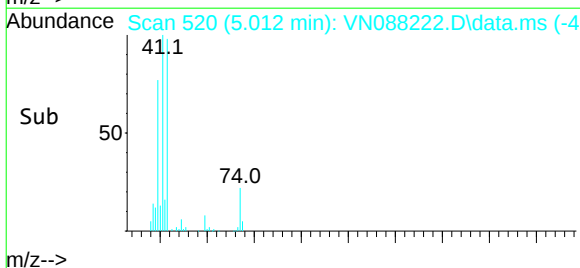
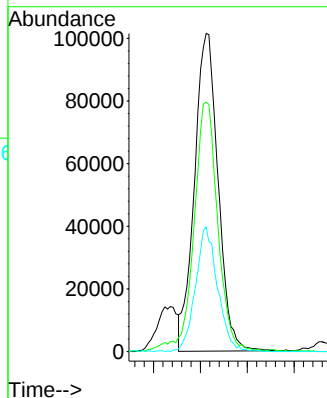
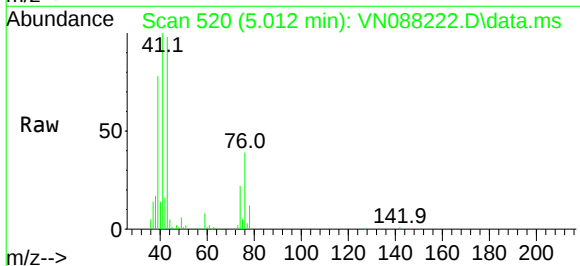
Tgt Ion: 41 Resp: 355387

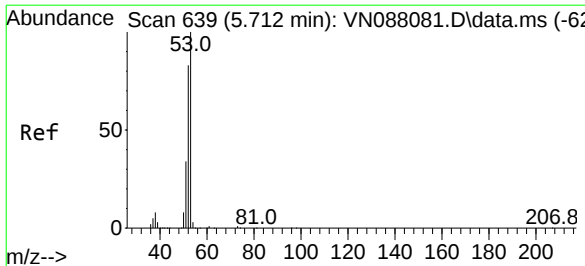
Ion Ratio Lower Upper

41 100

39 79.5 63.9 95.9

76 36.6 28.1 42.1

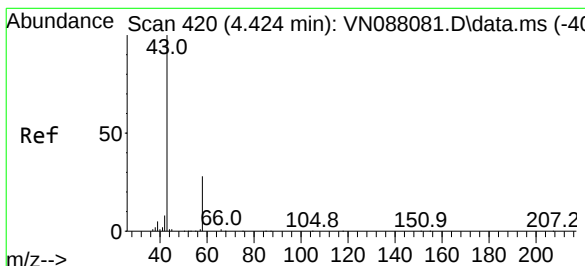
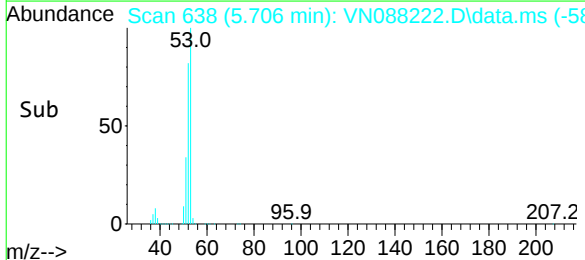
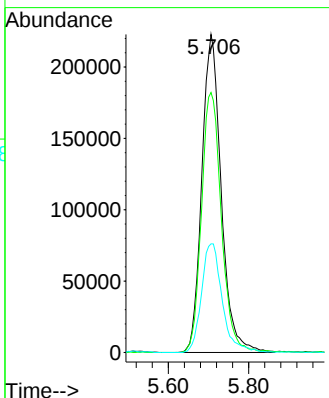
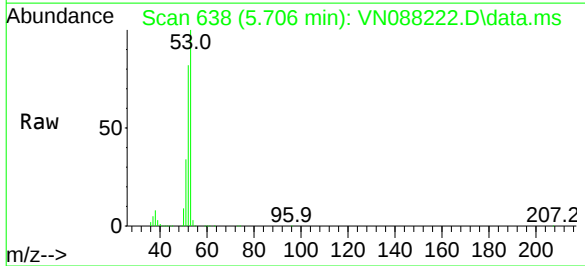




#15
Acrylonitrile
Concen: 294.538 ug/l
RT: 5.706 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

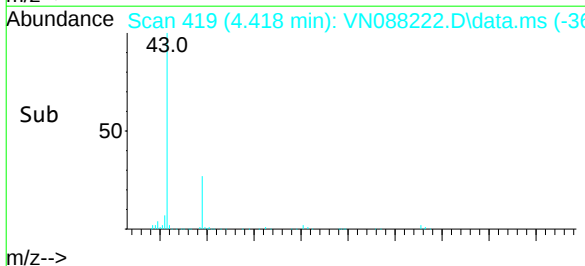
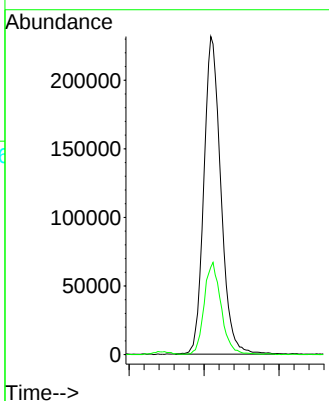
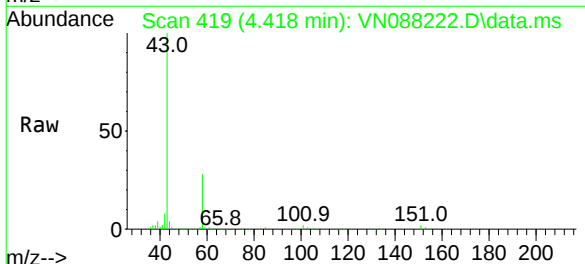
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

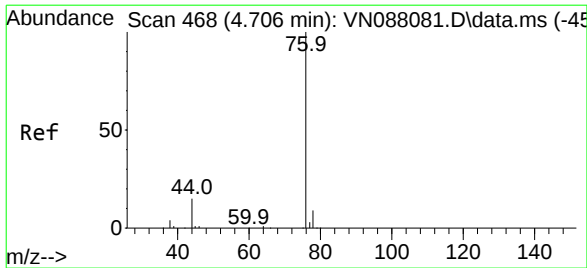
Tgt Ion: 53 Resp: 746411
Ion Ratio Lower Upper
53 100
52 83.8 67.6 101.4
51 36.6 30.1 45.1



#16
Acetone
Concen: 269.199 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 43 Resp: 730329
Ion Ratio Lower Upper
43 100
58 27.4 22.6 33.8

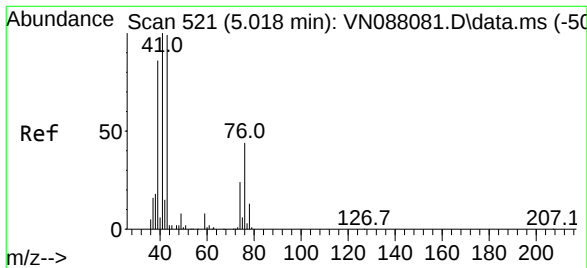
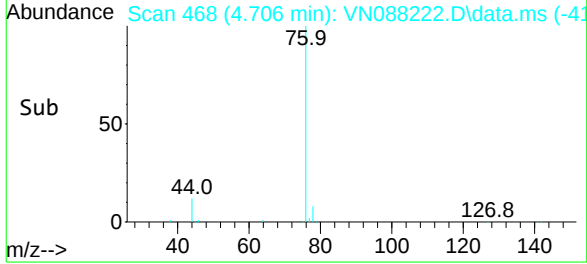
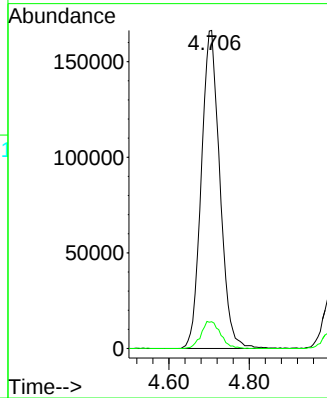
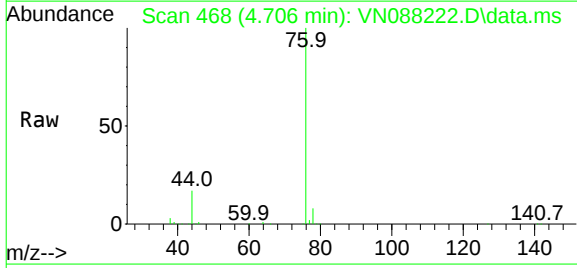




#17
Carbon Disulfide
Concen: 44.603 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

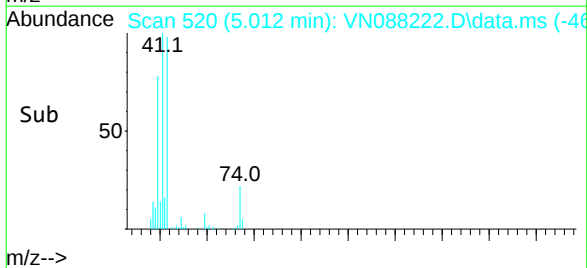
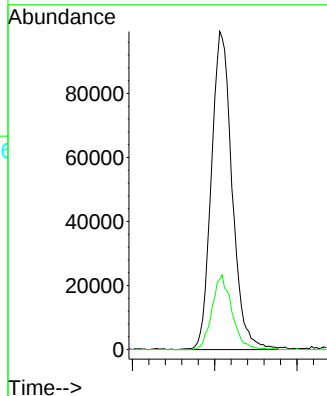
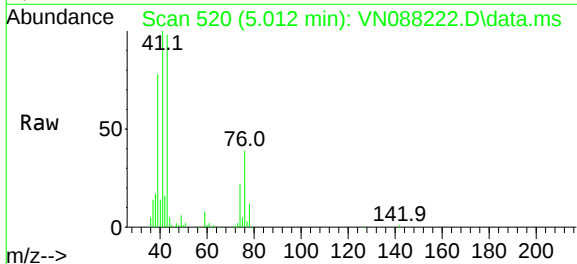
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

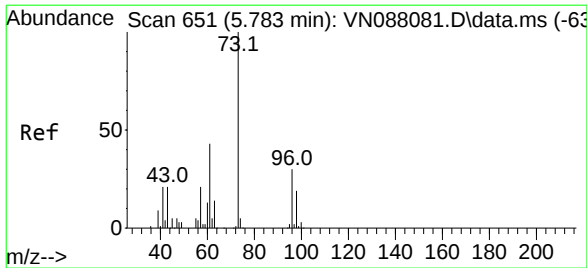
Tgt Ion: 76 Resp: 532196
Ion Ratio Lower Upper
76 100
78 8.4 7.6 11.4



#18
Methyl Acetate
Concen: 62.605 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 43 Resp: 347719
Ion Ratio Lower Upper
43 100
74 22.4 17.6 26.4





#19

Methyl tert-butyl Ether

Concen: 56.074 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

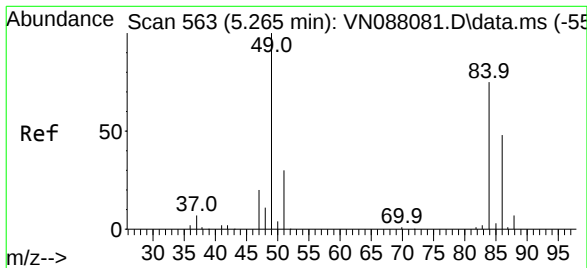
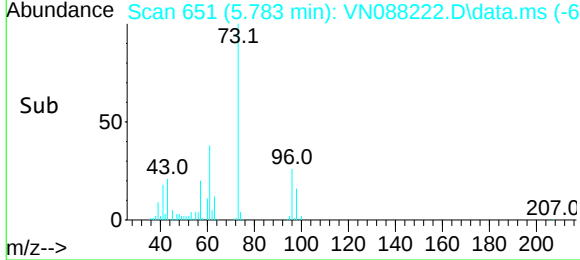
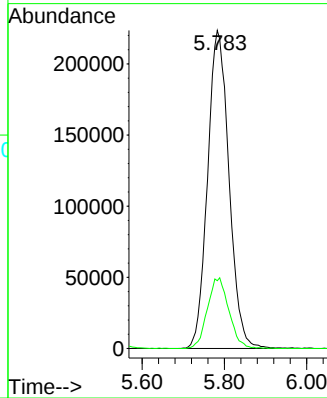
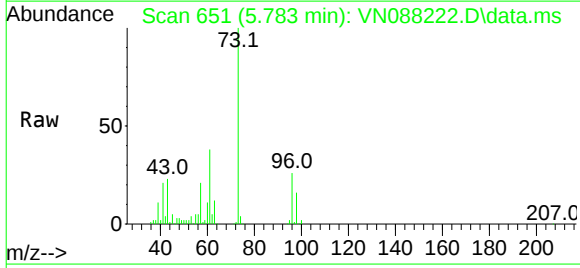
VSTDCCC050

Tgt Ion: 73 Resp: 808310

Ion Ratio Lower Upper

73 100

57 21.3 18.4 27.6



#20

Methylene Chloride

Concen: 50.727 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Tgt Ion: 84 Resp: 231013

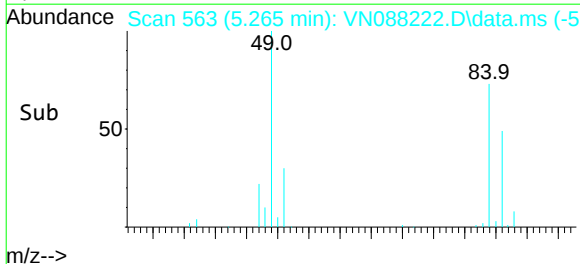
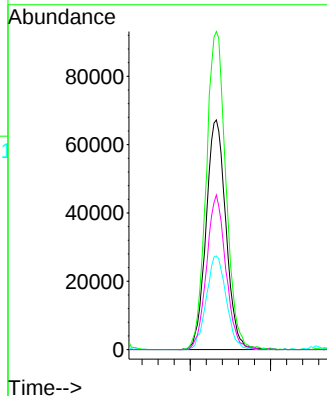
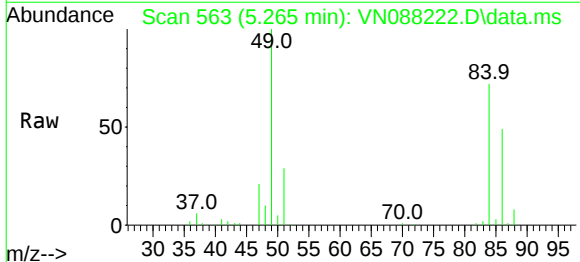
Ion Ratio Lower Upper

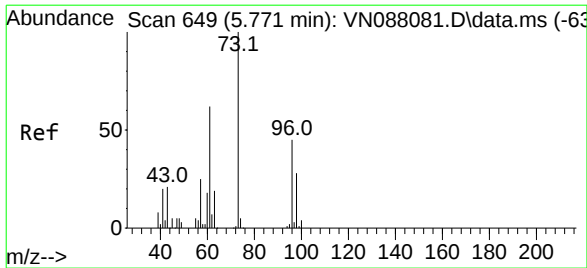
84 100

49 138.5 103.4 155.2

51 40.8 33.8 50.8

86 67.3 49.6 74.4

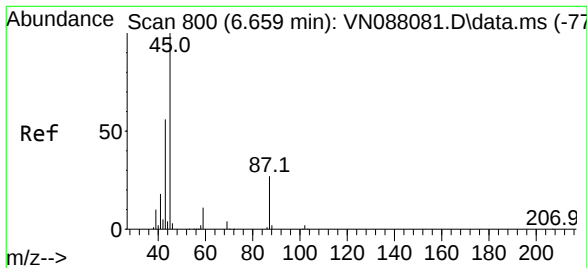
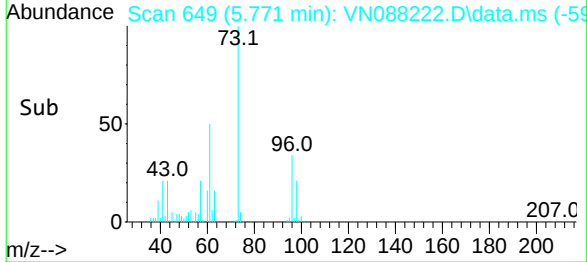
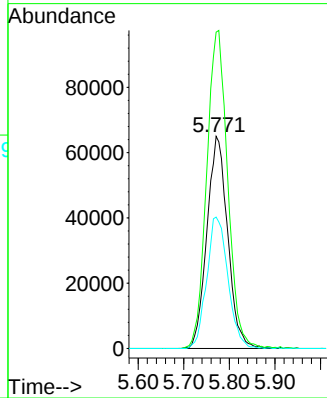
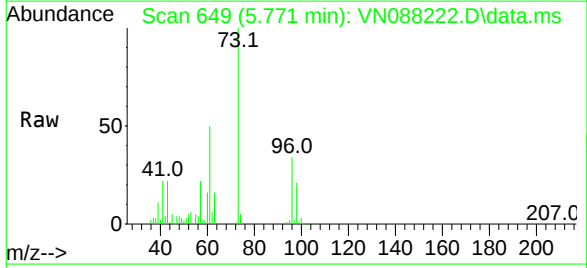




#21
trans-1,2-Dichloroethene
Concen: 47.780 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

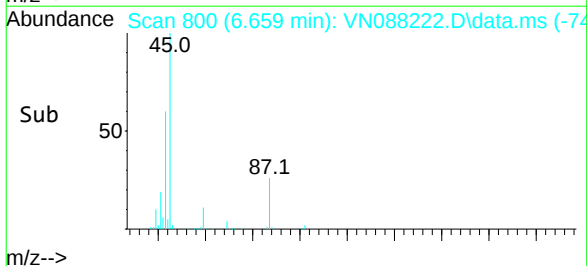
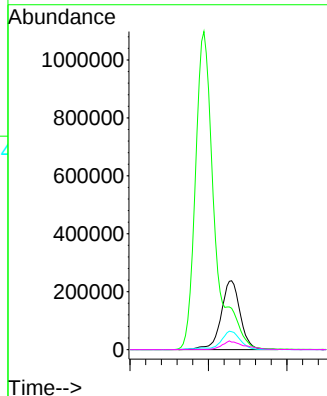
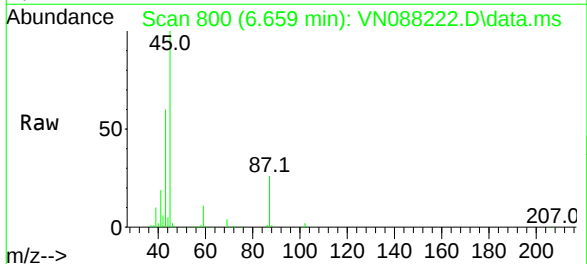
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

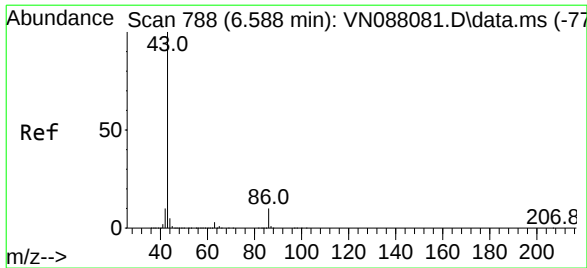
Tgt Ion: 96 Resp: 205859
Ion Ratio Lower Upper
96 100
61 149.1 118.0 177.0
98 61.9 50.0 75.0



#22
Diisopropyl ether
Concen: 55.230 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 45 Resp: 799118
Ion Ratio Lower Upper
45 100
43 59.3 47.7 71.5
87 25.9 21.4 32.0
59 10.7 8.7 13.1

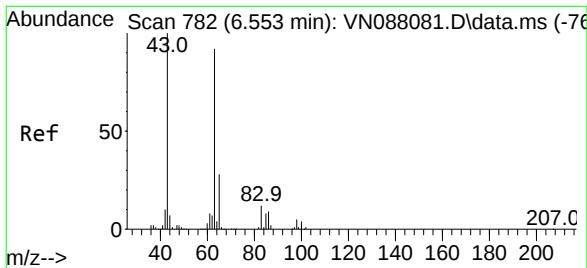
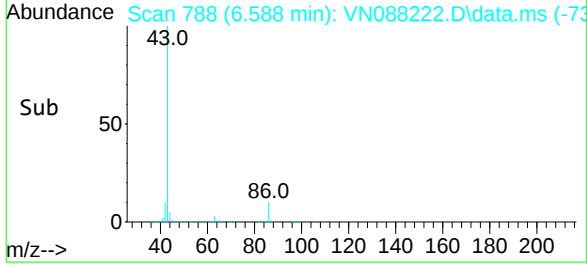
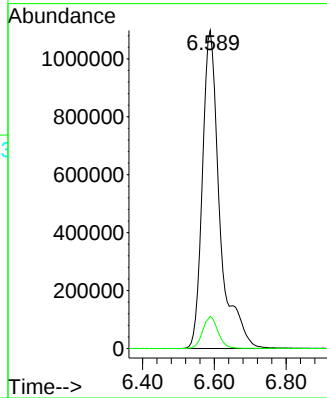
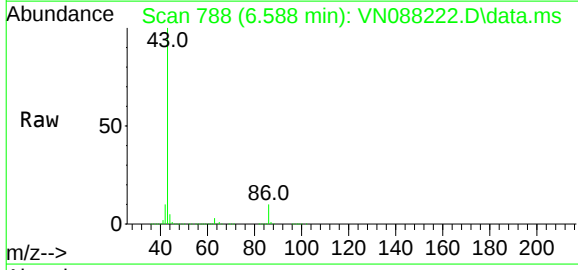




#23
 Vinyl Acetate
 Concen: 282.119 ug/l
 RT: 6.588 min Scan# 788
 Delta R.T. -0.000 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

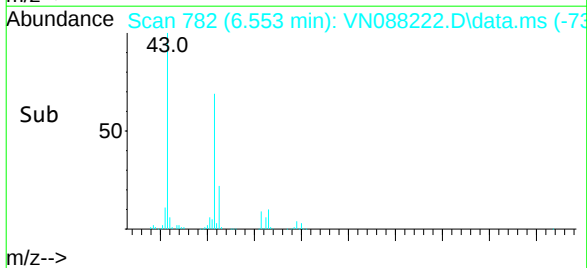
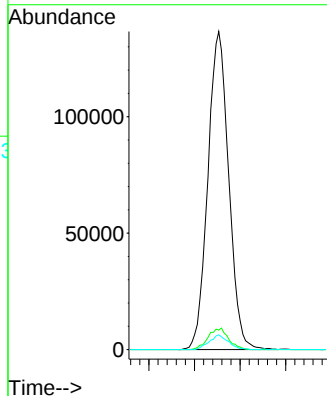
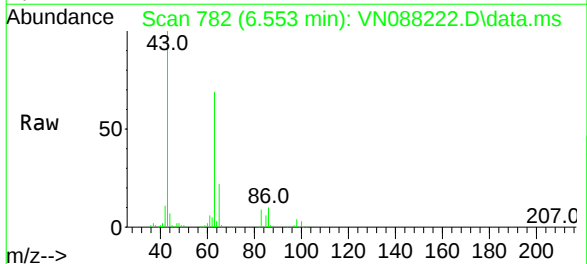
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

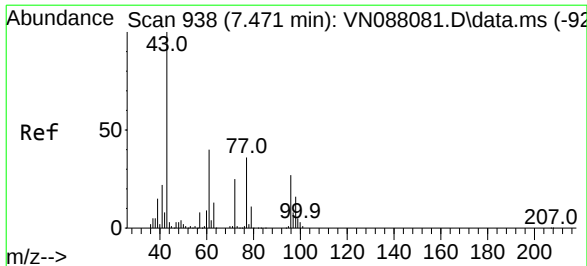
Tgt Ion: 43 Resp: 3676917
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 54.105 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.006 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

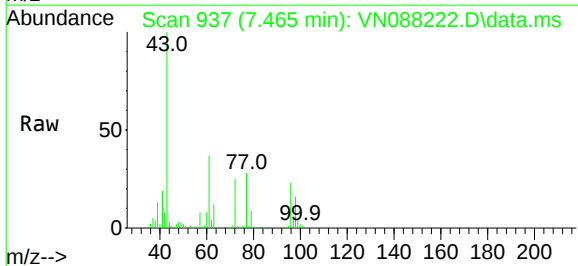
Tgt Ion: 63 Resp: 433641
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.8 11.4
 100 4.6 2.0 6.0



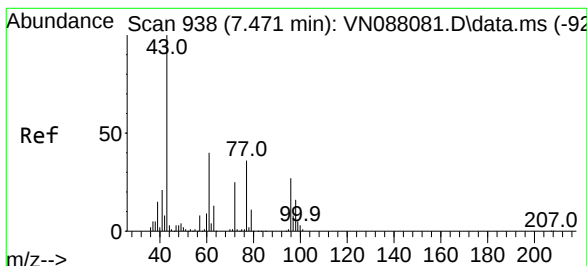
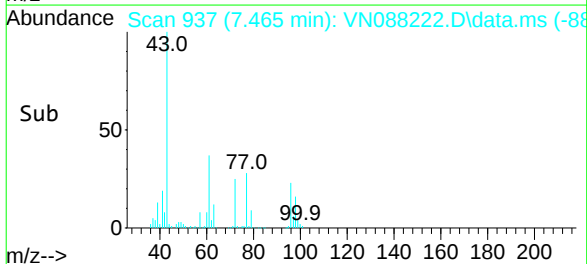
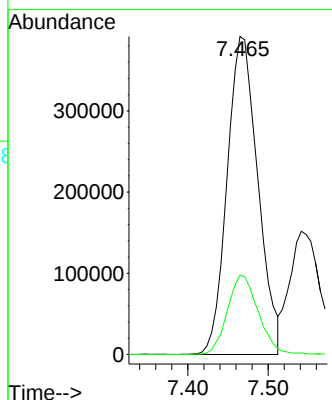


#25
2-Butanone
Concen: 291.856 ug/l
RT: 7.465 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

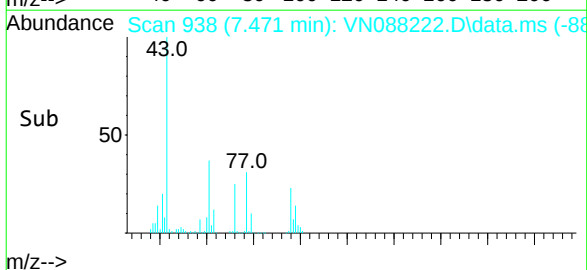
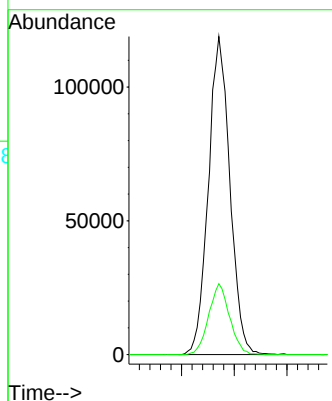
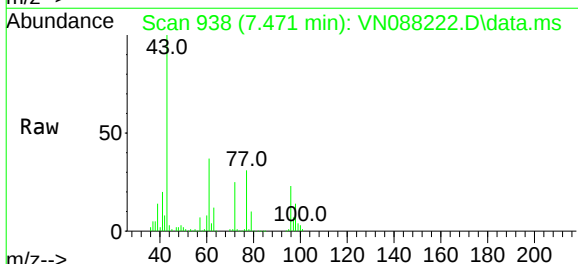


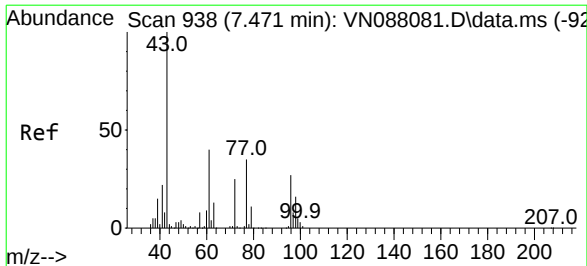
Tgt Ion: 43 Resp: 1043471
Ion Ratio Lower Upper
43 100
72 25.0 19.9 29.9



#26
2,2-Dichloropropane
Concen: 46.291 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 77 Resp: 337157
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.7

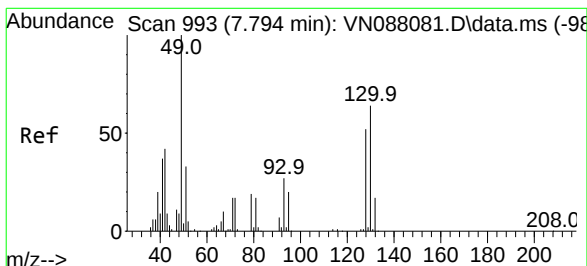
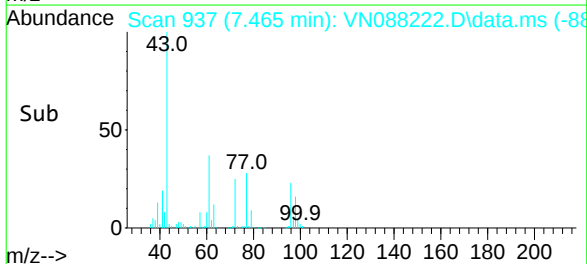
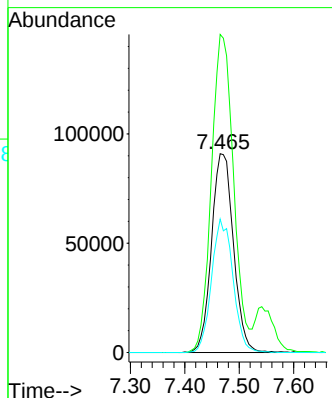
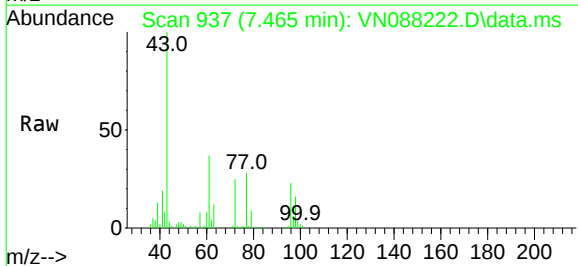




#27
 cis-1,2-Dichloroethene
 Concen: 51.450 ug/l
 RT: 7.465 min Scan# 937
 Delta R.T. -0.000 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

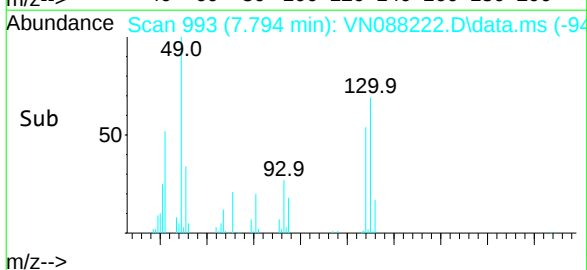
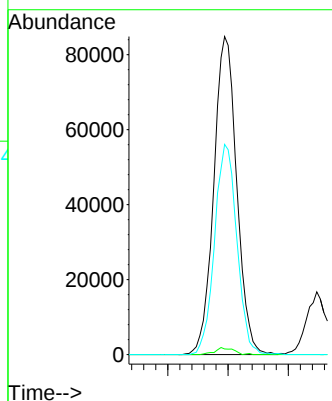
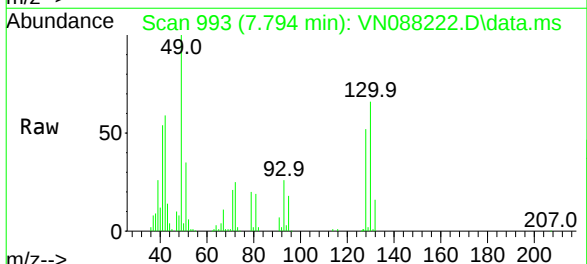
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

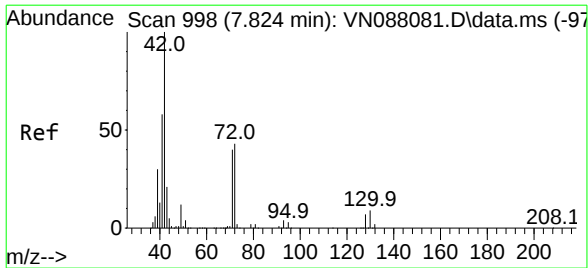
Tgt Ion: 96 Resp: 255190
 Ion Ratio Lower Upper
 96 100
 61 161.9 0.0 301.8
 98 65.4 0.0 126.2



#28
 Bromochloromethane
 Concen: 59.261 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

Tgt Ion: 49 Resp: 224421
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.0
 130 64.2 53.1 79.7

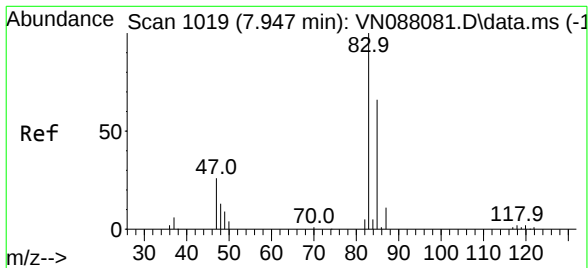
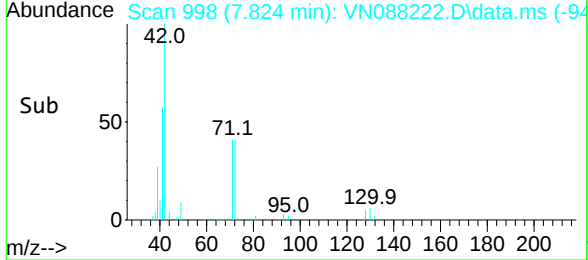
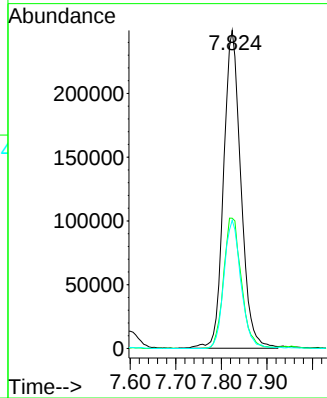
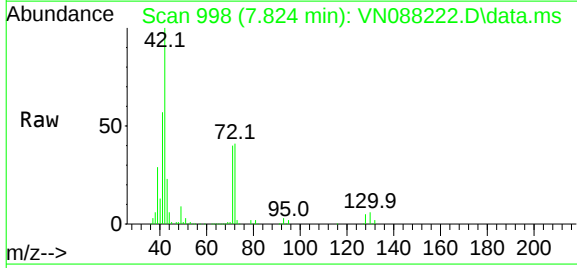




#29
Tetrahydrofuran
Concen: 281.895 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

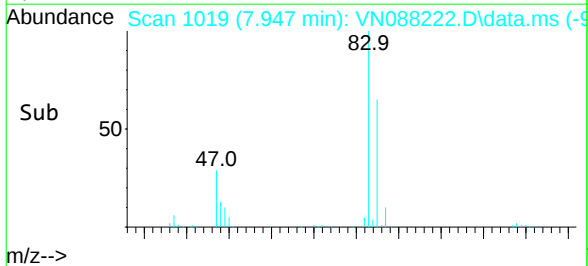
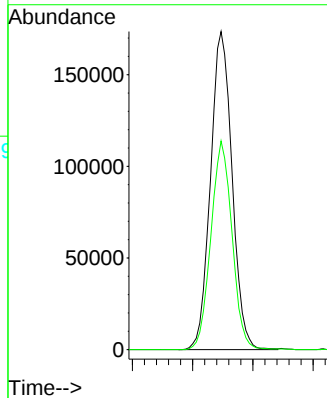
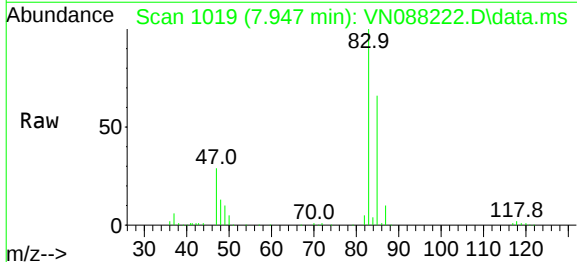
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

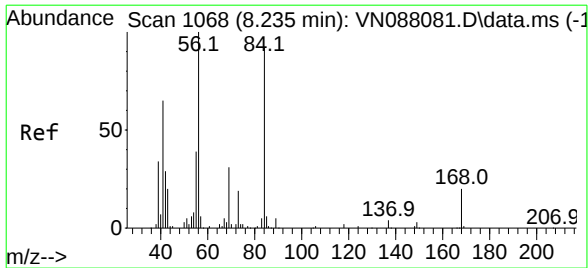
Tgt Ion: 42 Resp: 656824
Ion Ratio Lower Upper
42 100
72 42.2 33.7 50.5
71 39.8 31.9 47.9



#30
Chloroform
Concen: 53.891 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 83 Resp: 431501
Ion Ratio Lower Upper
83 100
85 65.6 50.7 76.1





#31

Cyclohexane

Concen: 42.851 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

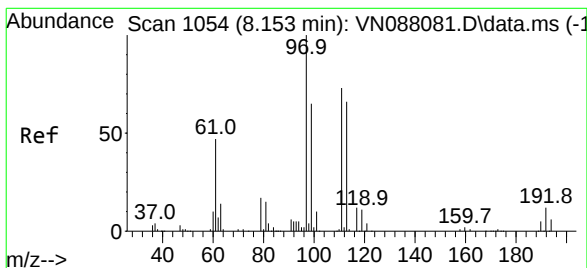
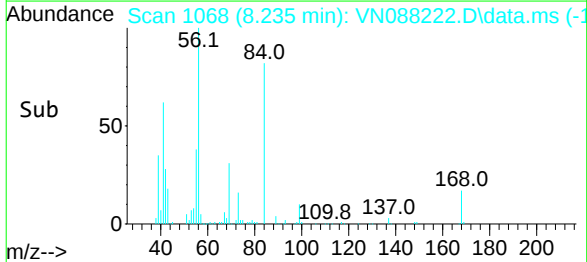
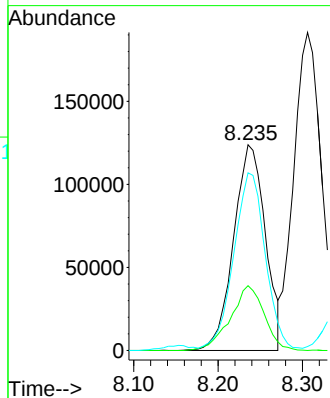
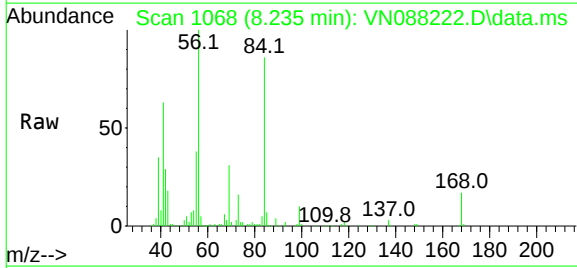
Tgt Ion: 56 Resp: 323918

Ion Ratio Lower Upper

56 100

69 31.5 23.7 35.5

84 83.9 64.7 97.1



#32

1,1,1-Trichloroethane

Concen: 49.440 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

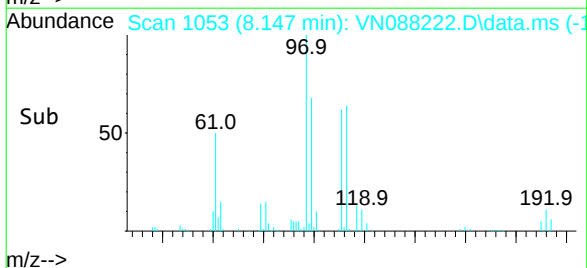
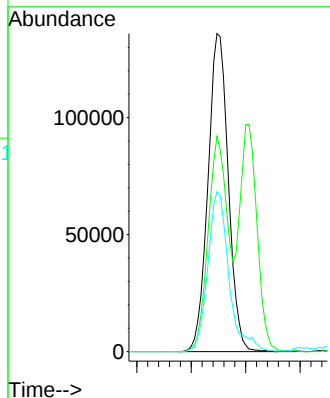
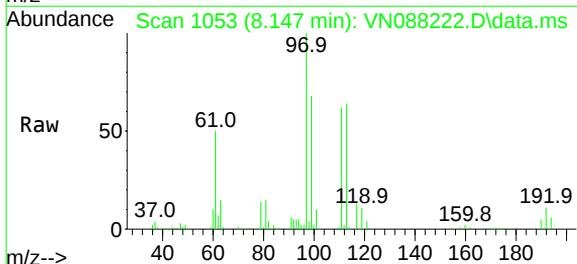
Tgt Ion: 97 Resp: 352574

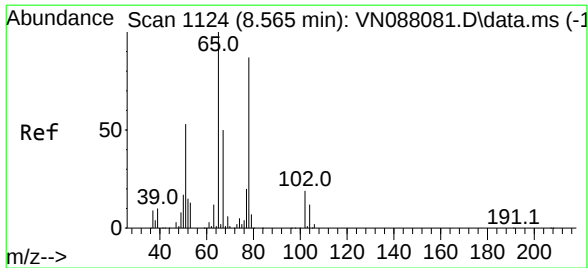
Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

61 52.6 41.2 61.8

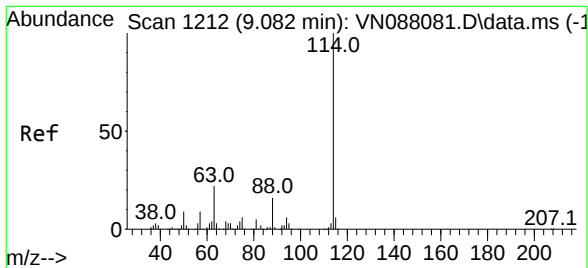
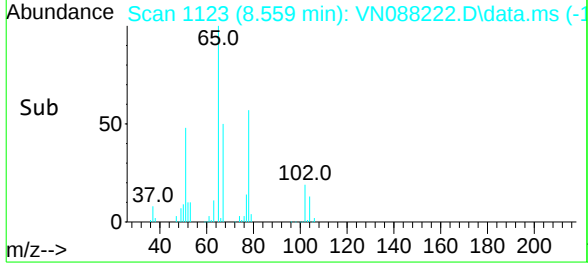
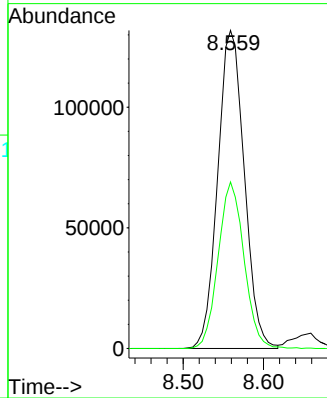
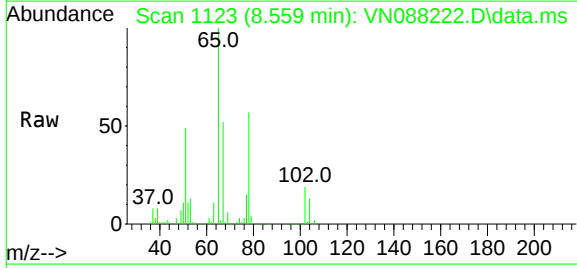




#33
1,2-Dichloroethane-d4
Concen: 56.081 ug/l
RT: 8.559 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

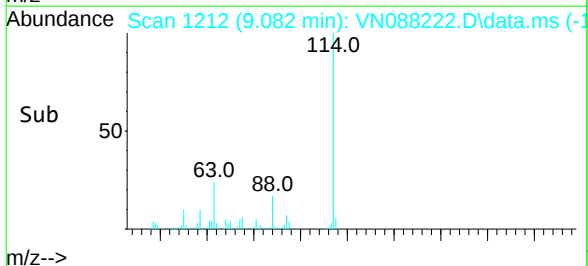
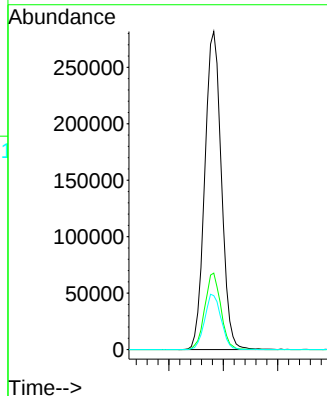
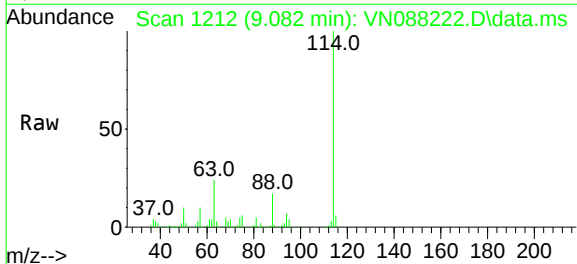
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

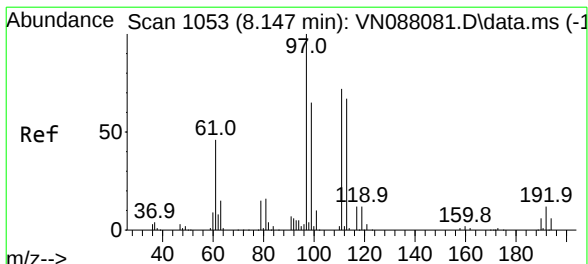
Tgt Ion: 65 Resp: 302848
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 114 Resp: 595955
Ion Ratio Lower Upper
114 100
63 24.1 0.0 45.2
88 17.0 0.0 33.4



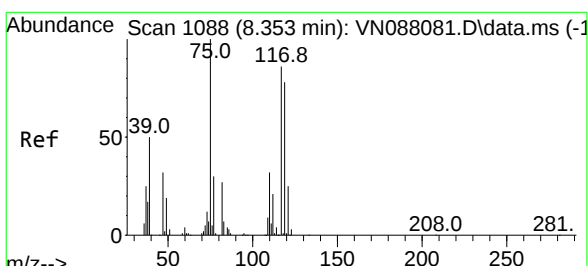
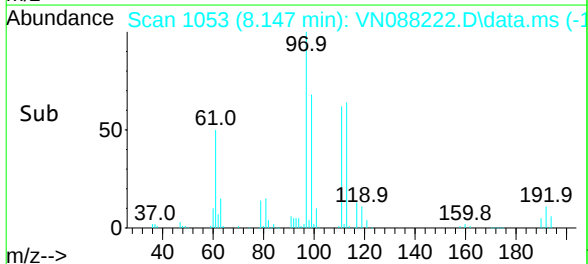
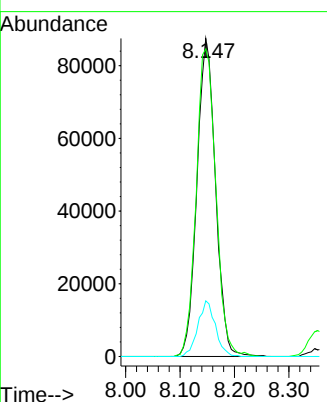
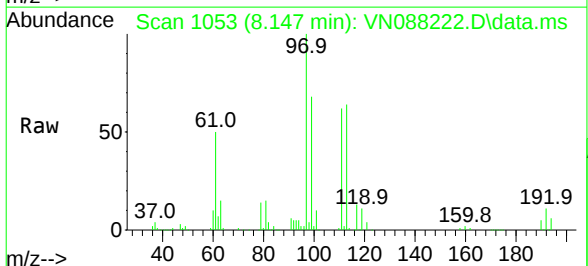


#35
 Dibromofluoromethane
 Concen: 51.872 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion: 113 Resp: 207676

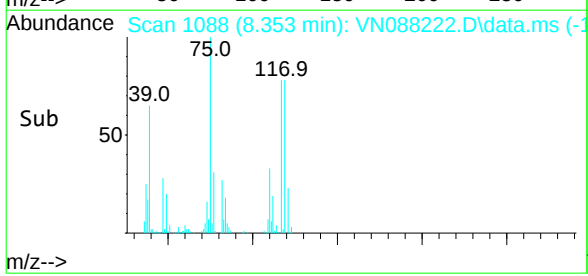
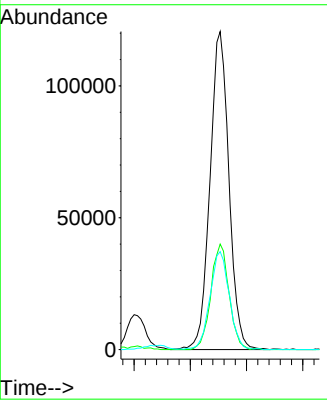
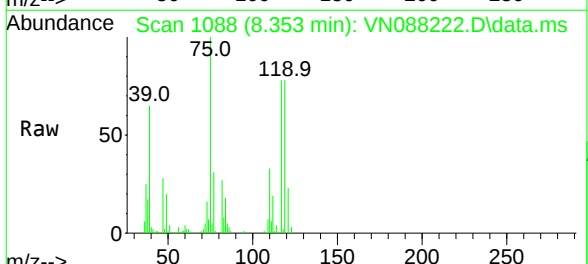
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	16.5	12.8	19.2

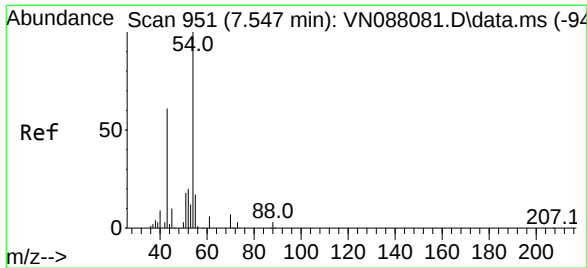


#36
 1,1-Dichloropropene
 Concen: 48.290 ug/l
 RT: 8.353 min Scan# 1088
 Delta R.T. -0.000 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

Tgt Ion: 75 Resp: 282294

Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.9	47.6
77	31.5	24.4	36.6

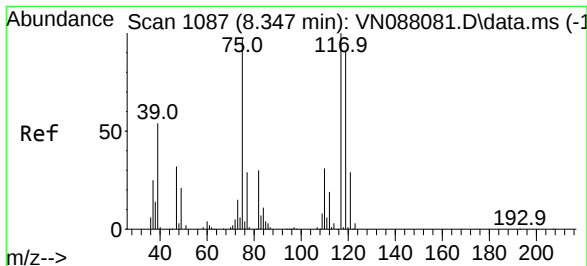
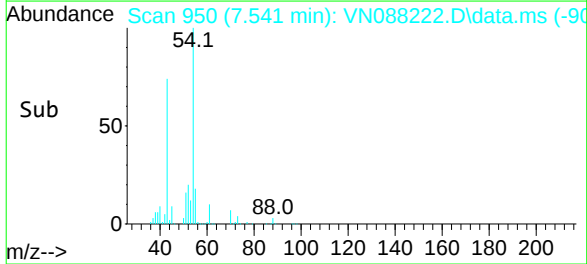
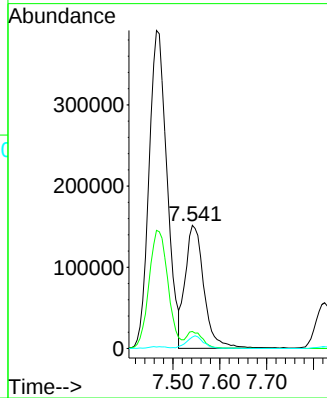
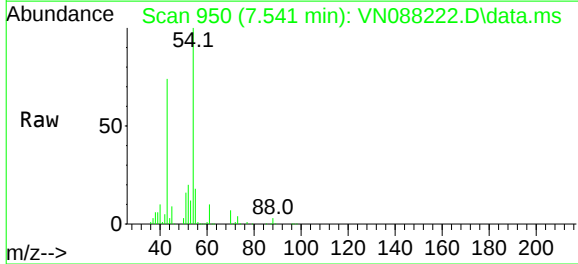




#37
Ethyl Acetate
Concen: 55.508 ug/l
RT: 7.541 min Scan# 951
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

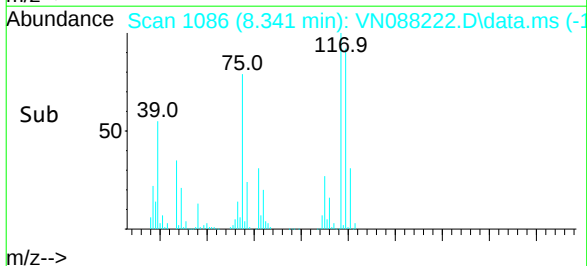
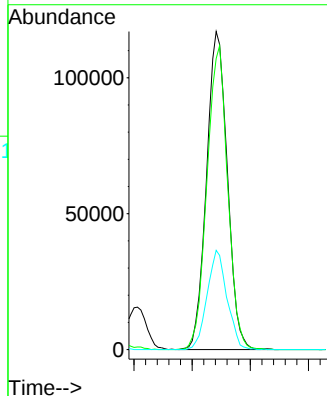
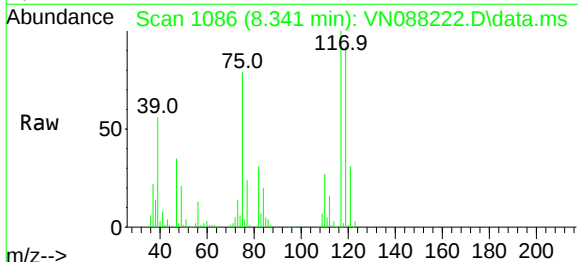
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

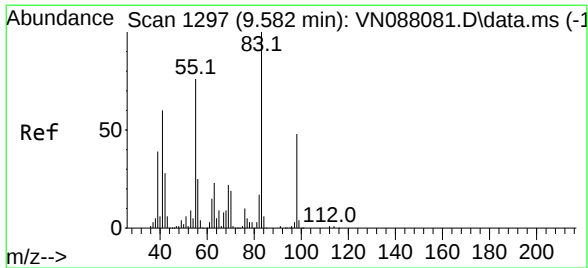
Tgt Ion: 43 Resp: 418748
Ion Ratio Lower Upper
43 100
61 11.7 9.3 13.9
70 8.9 7.0 10.6



#38
Carbon Tetrachloride
Concen: 48.194 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 117 Resp: 290980
Ion Ratio Lower Upper
117 100
119 91.5 79.0 118.6
121 31.2 25.0 37.6

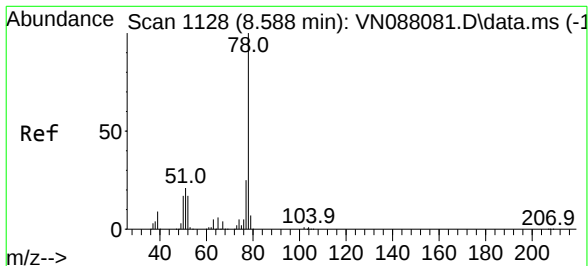
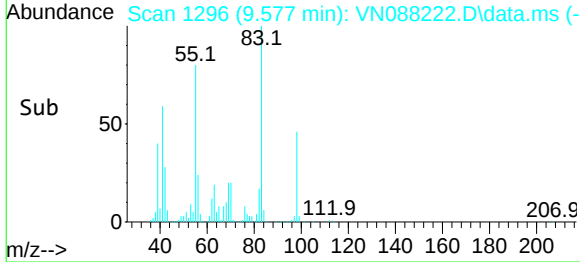
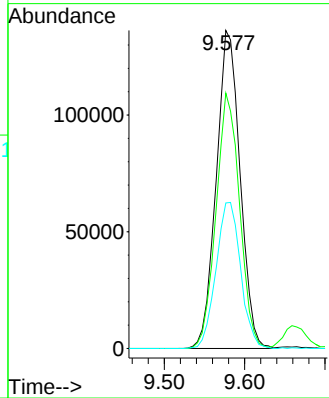
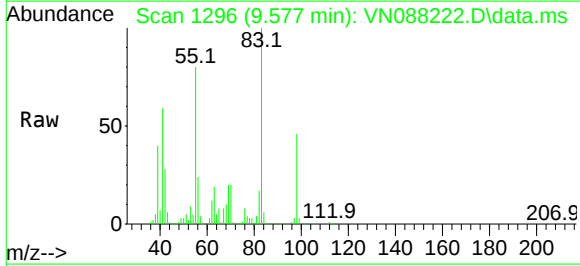




#39
Methylcyclohexane
Concen: 37.354 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

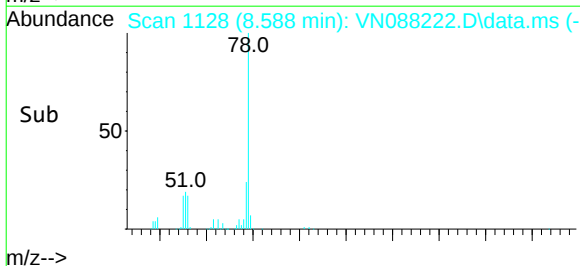
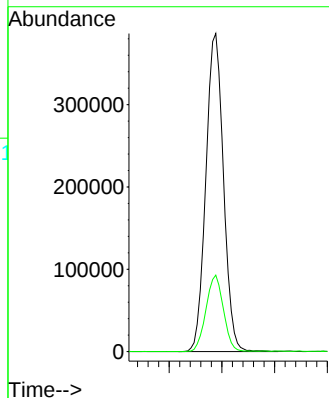
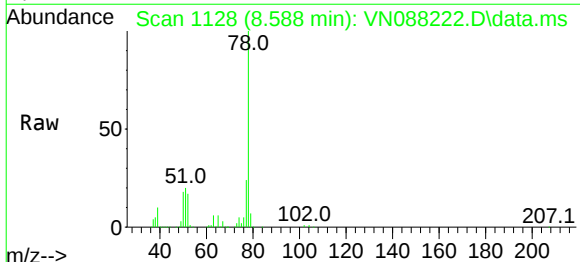
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

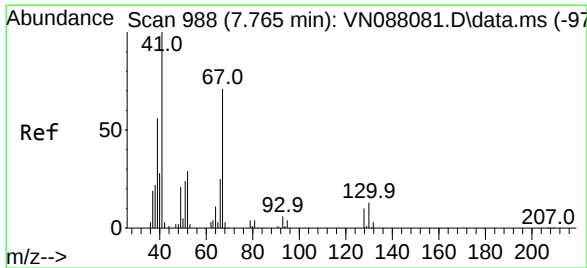
Tgt Ion:	83	Resp:	280683
Ion	Ratio	Lower	Upper
83	100		
55	80.3	64.6	96.8
98	45.8	38.4	57.6



#40
Benzene
Concen: 50.322 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion:	78	Resp:	895890
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.7	29.5

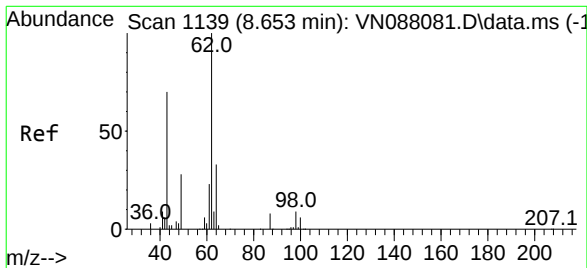
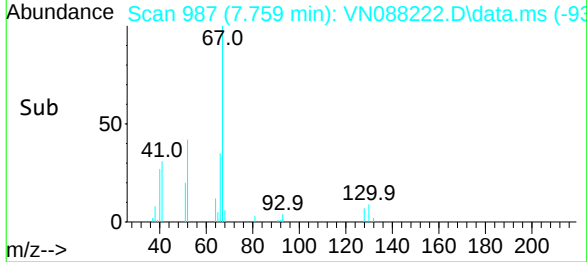
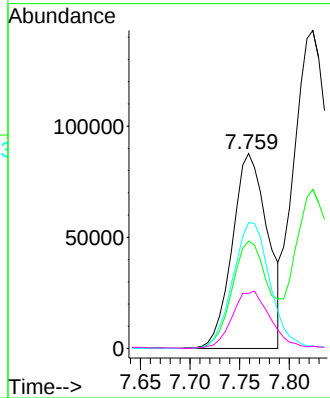
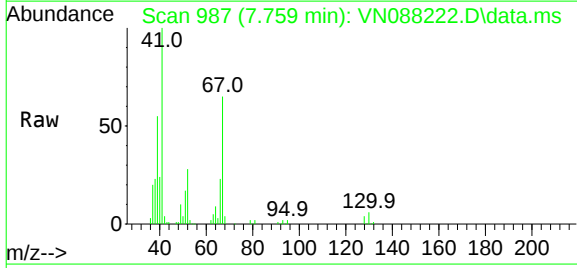




#41
Methacrylonitrile
Concen: 54.938 ug/l
RT: 7.759 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

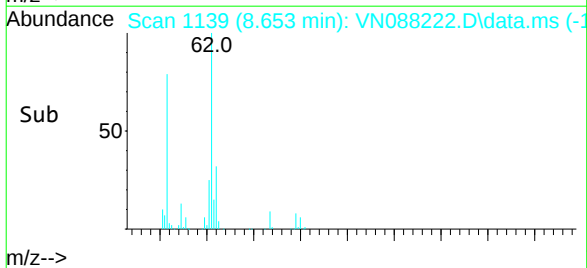
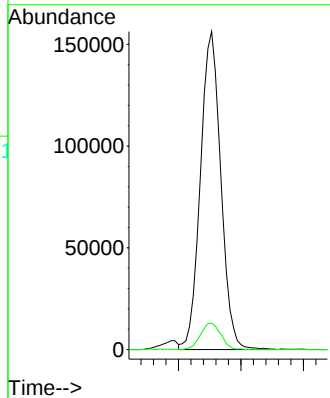
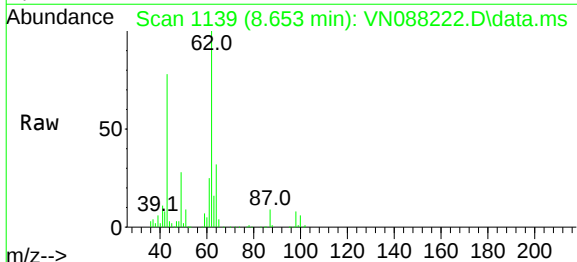
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

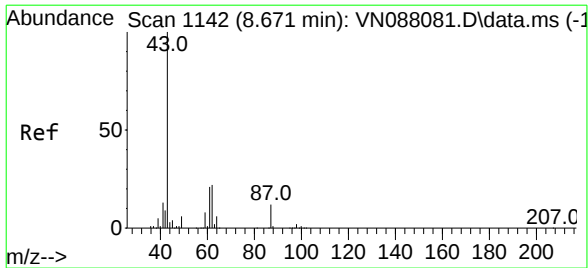
Tgt Ion: 41	Resp: 218129
Ion Ratio	Lower Upper
41 100	
39 59.6	45.4 68.0
67 68.1	55.3 82.9
52 32.0	24.5 36.7



#42
1,2-Dichloroethane
Concen: 56.102 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 62	Resp: 354883
Ion Ratio	Lower Upper
62 100	
98 8.3	0.0 17.4

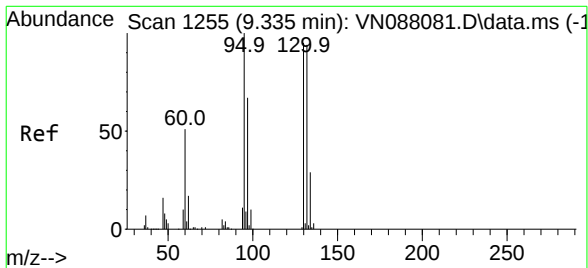
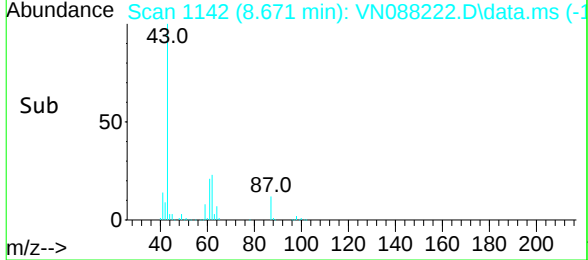
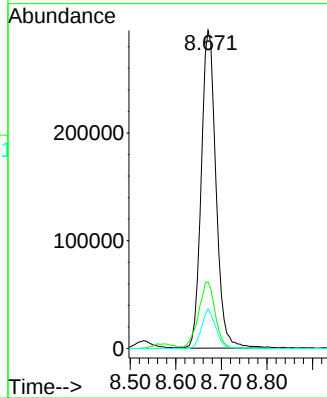
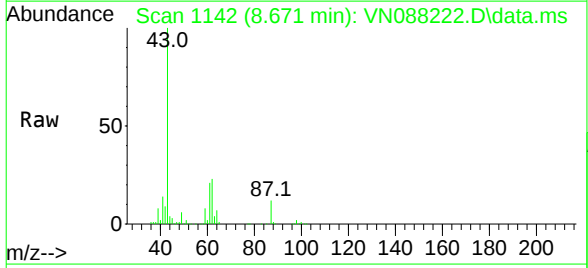




#43
Isopropyl Acetate
Concen: 56.968 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

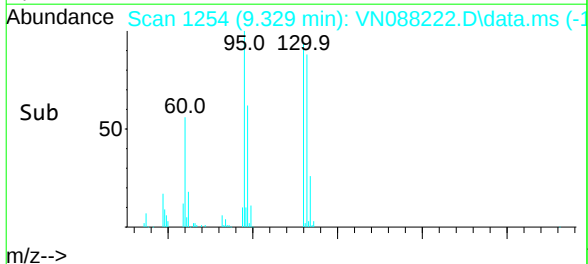
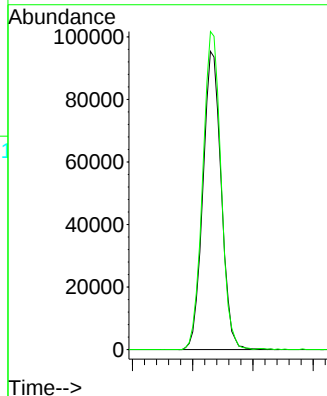
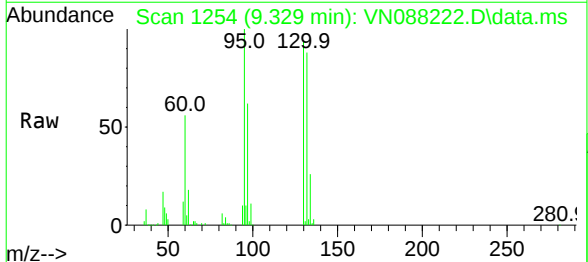
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

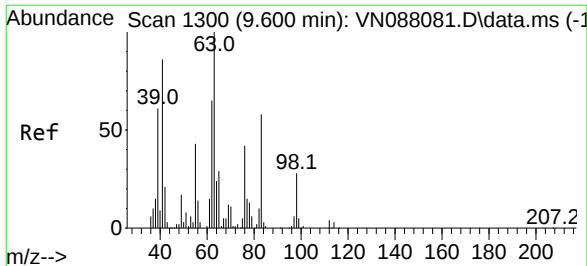
Tgt Ion: 43 Resp: 660380
Ion Ratio Lower Upper
43 100
61 23.8 18.8 28.2
87 11.8 9.6 14.4



#44
Trichloroethene
Concen: 48.232 ug/l
RT: 9.329 min Scan# 1254
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion:130 Resp: 200708
Ion Ratio Lower Upper
130 100
95 106.7 0.0 212.0

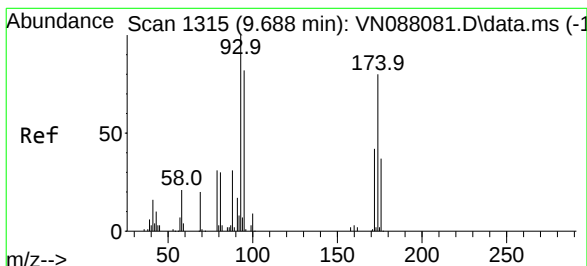
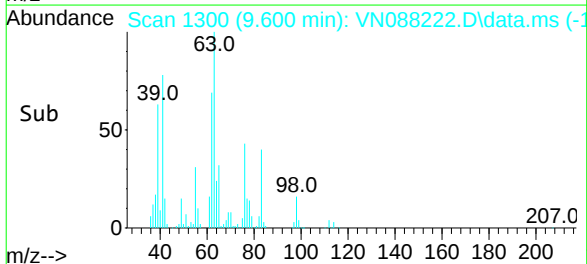
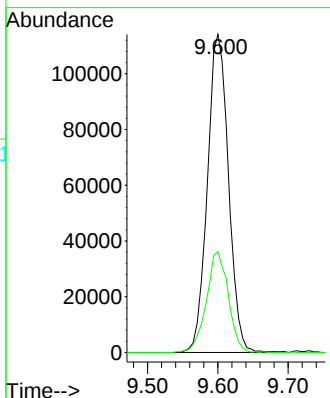
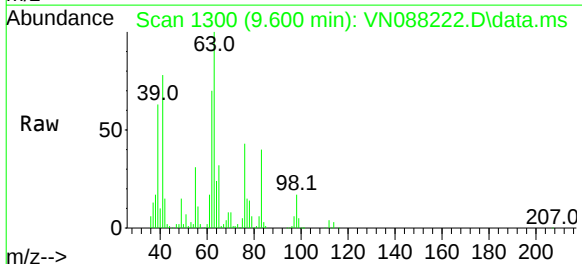




#45
1,2-Dichloropropane
Concen: 52.909 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

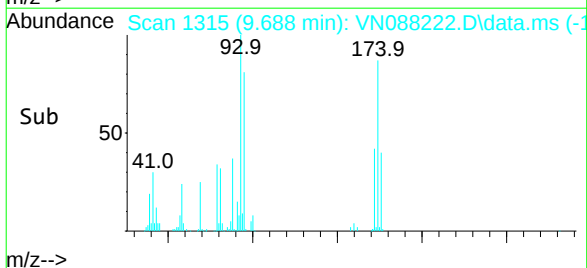
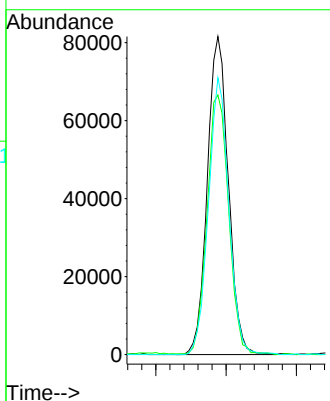
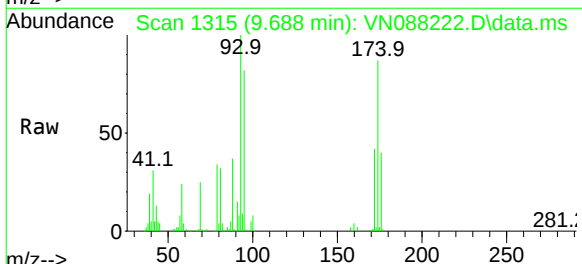
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

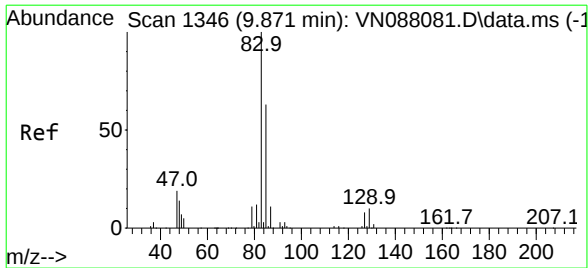
Tgt Ion: 63 Resp: 237805
Ion Ratio Lower Upper
63 100
65 31.7 25.0 37.4



#46
Dibromomethane
Concen: 52.763 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 93 Resp: 169133
Ion Ratio Lower Upper
93 100
95 84.1 66.2 99.4
174 84.4 63.4 95.2

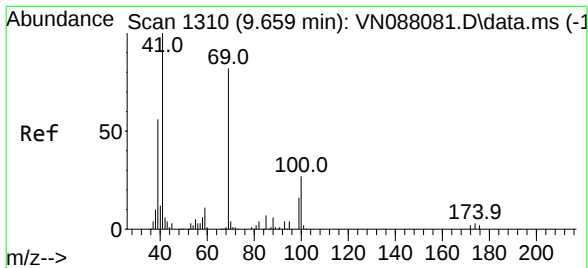
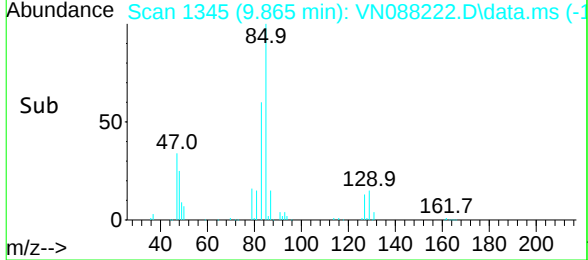
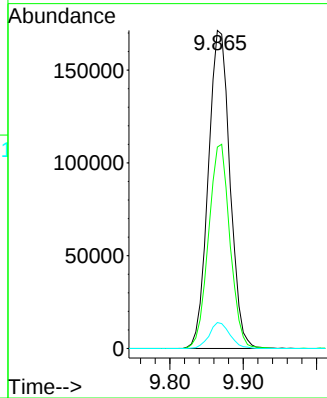
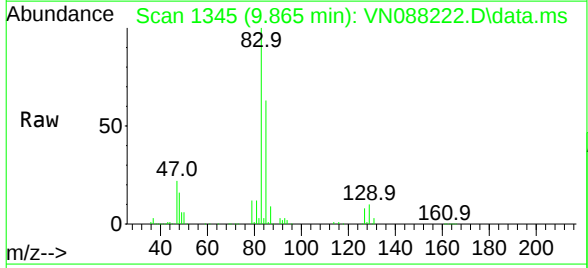




#47
Bromodichloromethane
Concen: 54.736 ug/l
RT: 9.865 min Scan# 1346
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

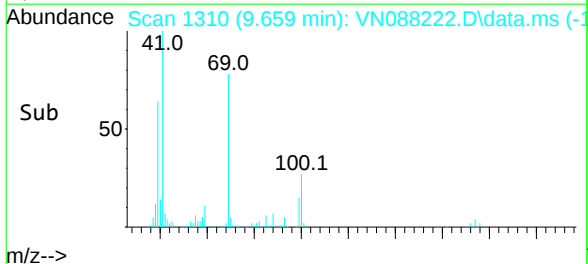
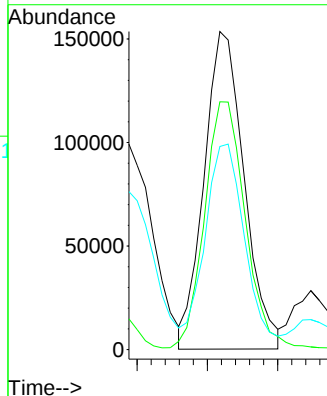
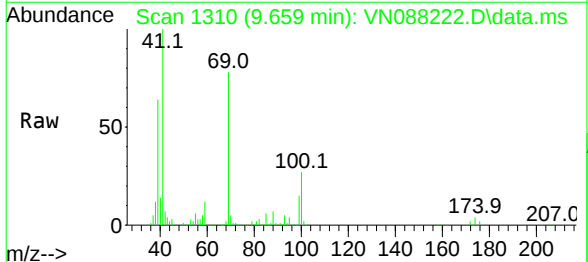
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

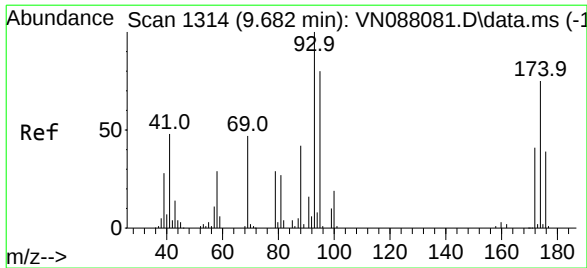
Tgt Ion: 83 Resp: 351288
Ion Ratio Lower Upper
83 100
85 63.3 52.5 78.7
127 8.1 5.8 8.6



#48
Methyl methacrylate
Concen: 56.752 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

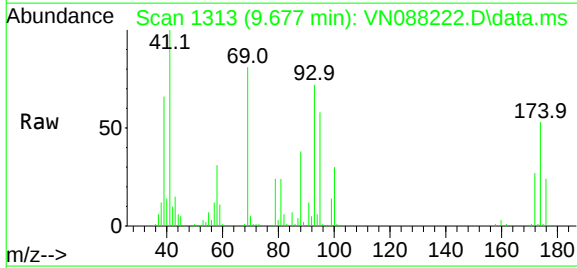
Tgt Ion: 41 Resp: 303730
Ion Ratio Lower Upper
41 100
69 79.7 62.7 94.1
39 64.6 52.9 79.3



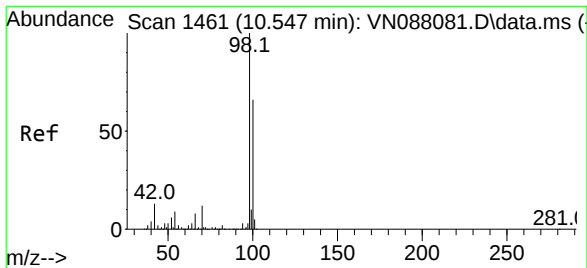
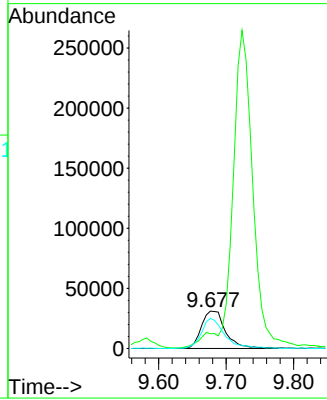
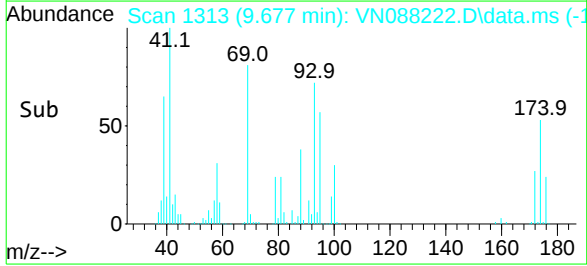


#49
1,4-Dioxane
Concen: 1169.552 ug/l
RT: 9.677 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

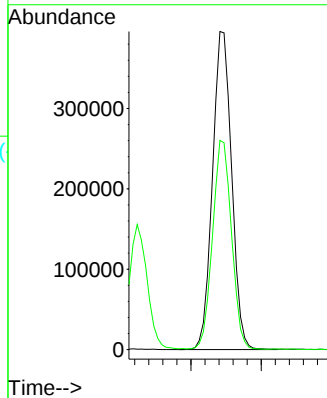
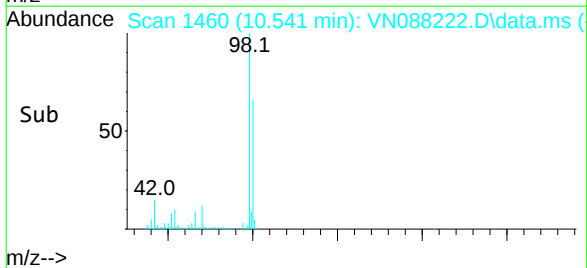
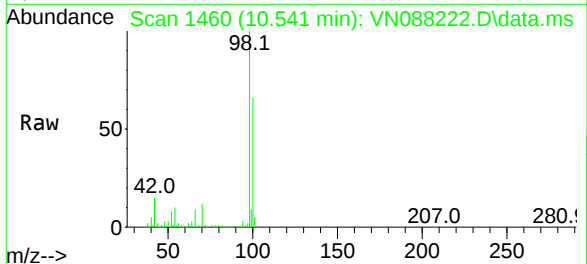


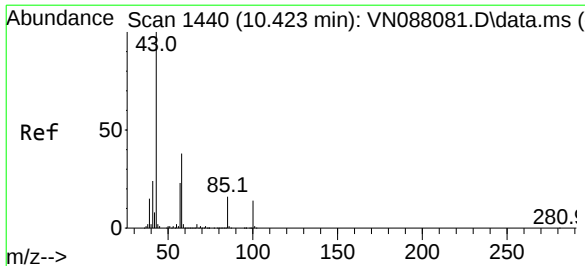
Tgt Ion: 88 Resp: 77849
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 77.3 57.9 86.9



#50
Toluene-d8
Concen: 48.559 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 98 Resp: 749109
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

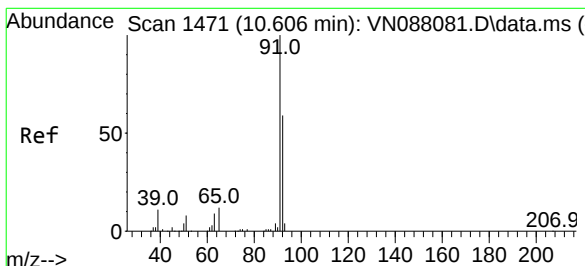
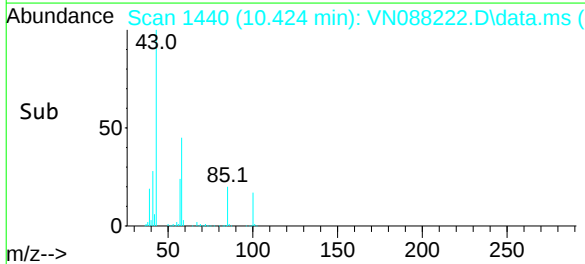
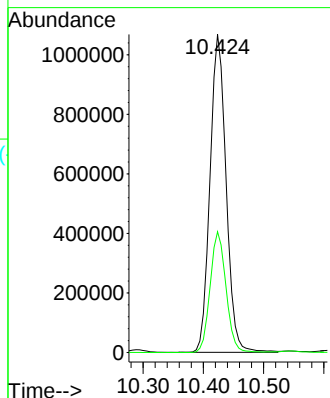
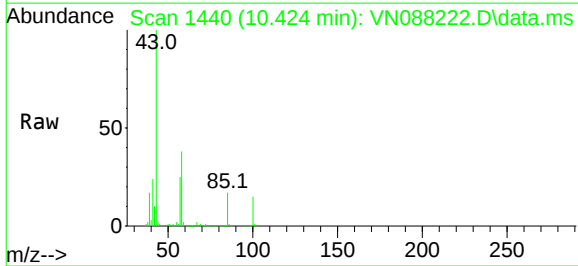




#51
4-Methyl-2-Pentanone
Concen: 289.210 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

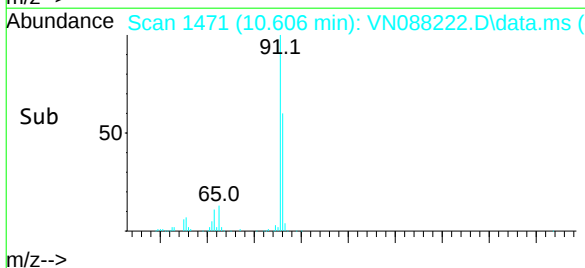
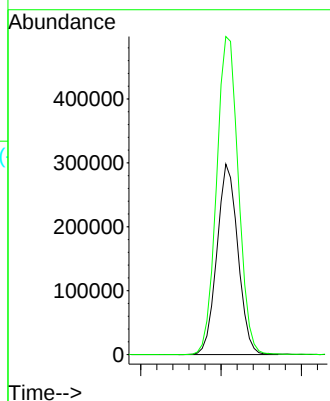
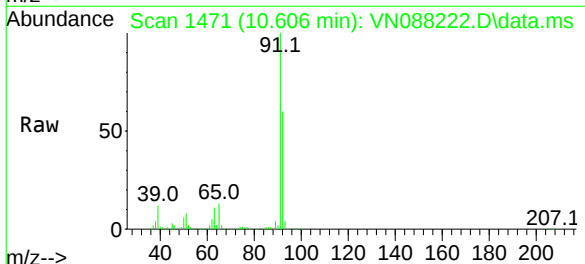
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

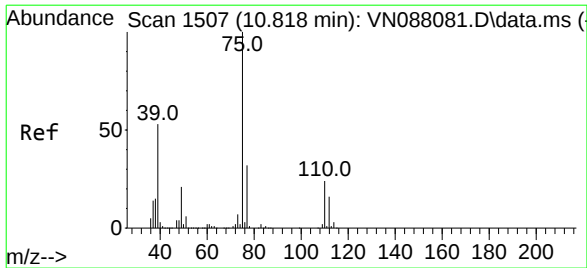
Tgt Ion: 43 Resp: 1983321
Ion Ratio Lower Upper
43 100
58 37.4 29.6 44.4



#52
Toluene
Concen: 49.220 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 92 Resp: 540256
Ion Ratio Lower Upper
92 100
91 173.6 140.4 210.6

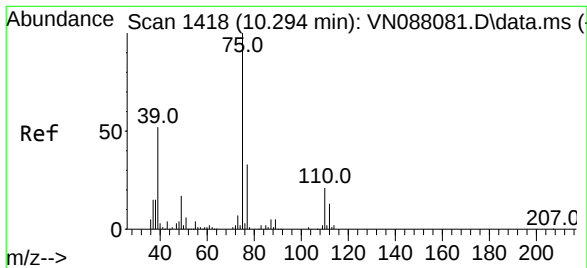
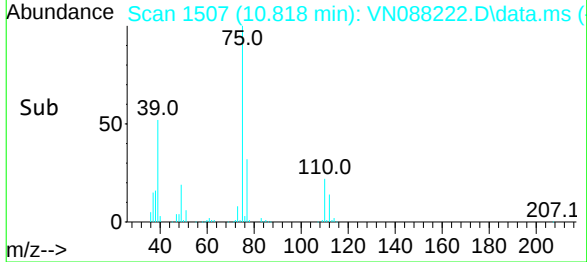
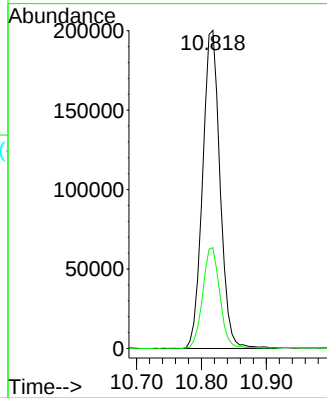
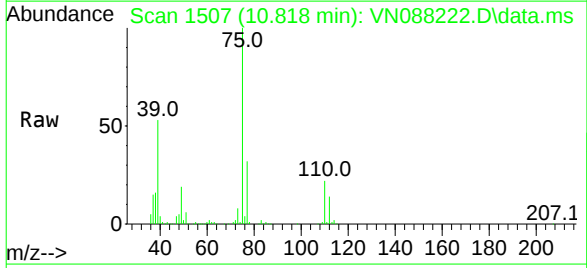




#53
t-1,3-Dichloropropene
Concen: 54.748 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

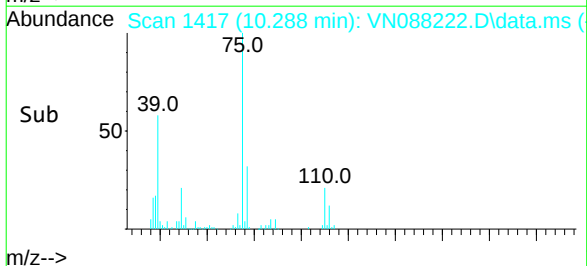
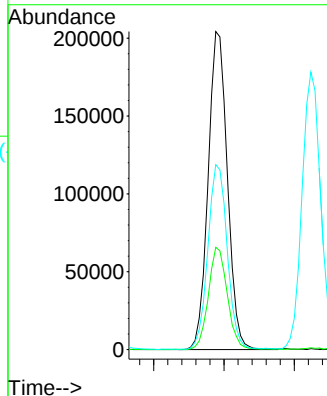
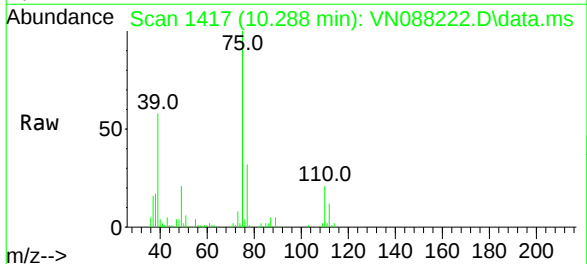
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

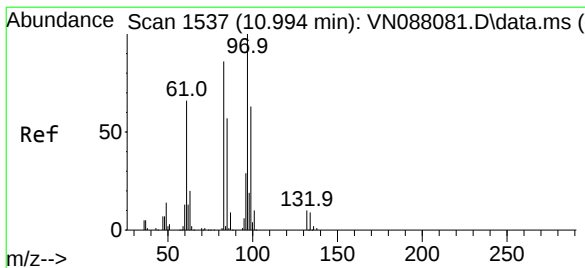
Tgt Ion: 75 Resp: 373963
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 53.659 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 75 Resp: 388938
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0
39 58.0 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 51.640 ug/l

RT: 10.994 min Scan# 1537

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 215048

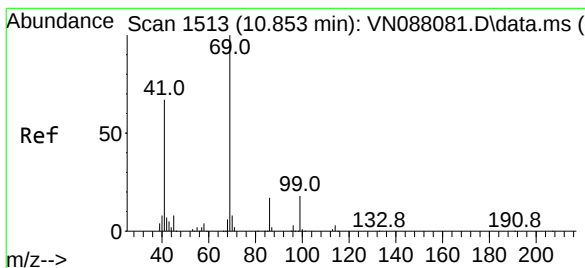
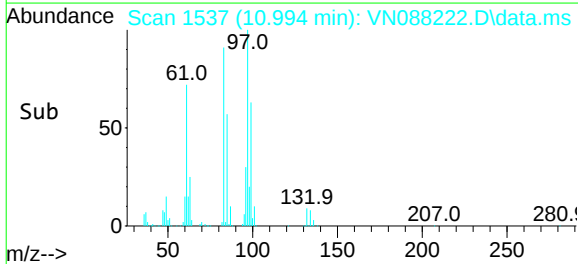
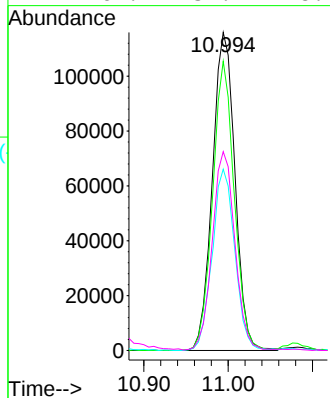
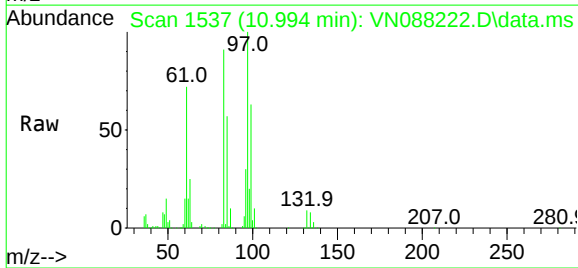
Ion Ratio Lower Upper

97 100

83 90.9 68.2 102.4

85 57.0 45.5 68.3

99 62.1 52.2 78.4



#56

Ethyl methacrylate

Concen: 57.585 ug/l

RT: 10.853 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

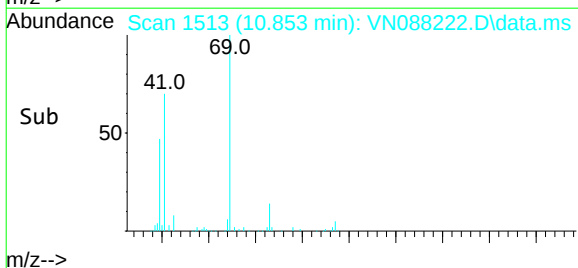
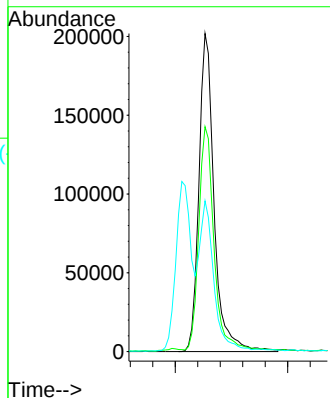
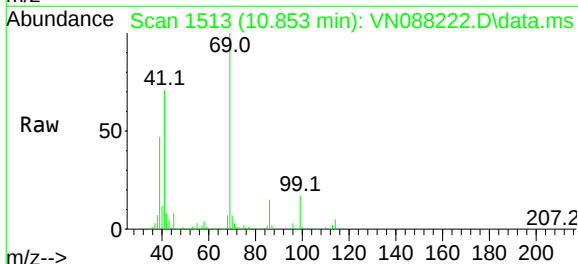
Tgt Ion: 69 Resp: 379487

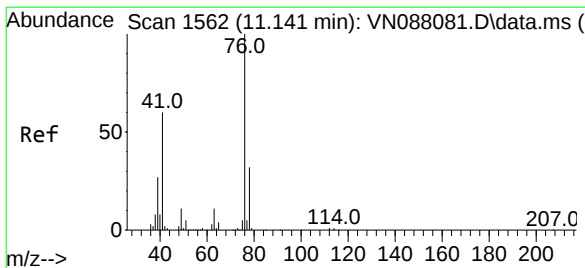
Ion Ratio Lower Upper

69 100

41 70.9 56.5 84.7

39 43.8 34.2 51.4





#57

1,3-Dichloropropane

Concen: 54.006 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

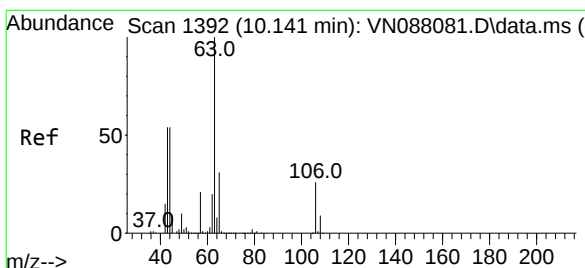
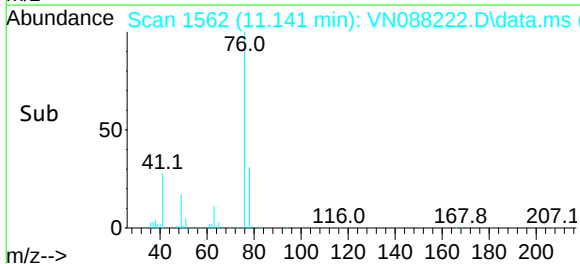
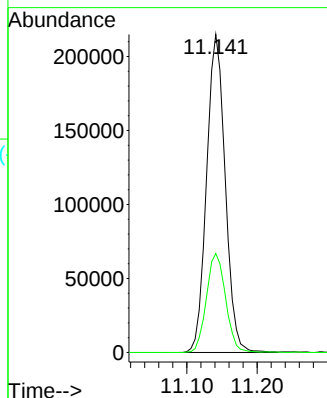
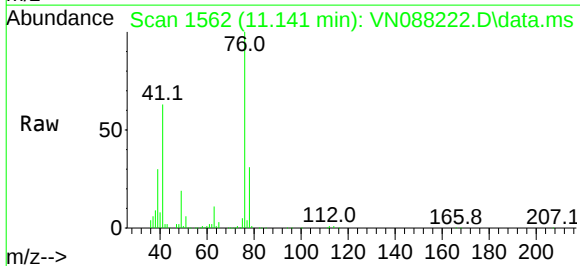
VSTDCCC050

Tgt Ion: 76 Resp: 395304

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 309.534 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VN088222.D

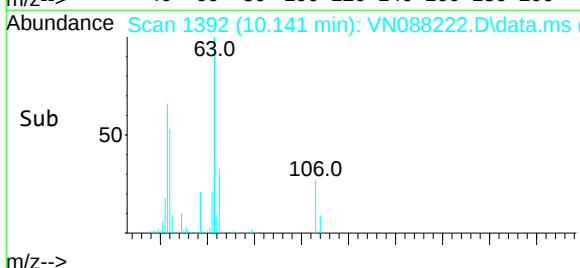
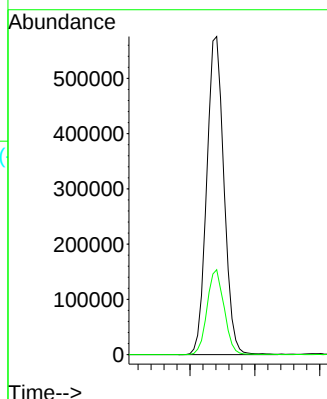
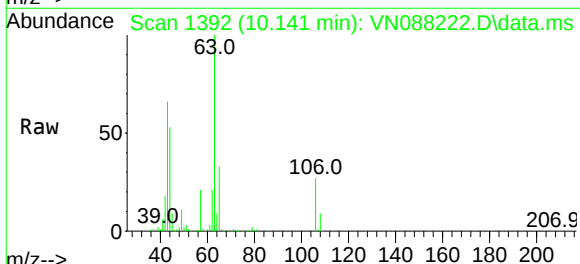
Acq: 07 Nov 2025 09:49

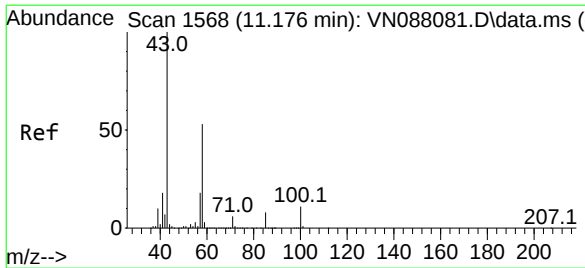
Tgt Ion: 63 Resp: 1061043

Ion Ratio Lower Upper

63 100

106 26.3 21.1 31.7





#59

2-Hexanone

Concen: 301.969 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

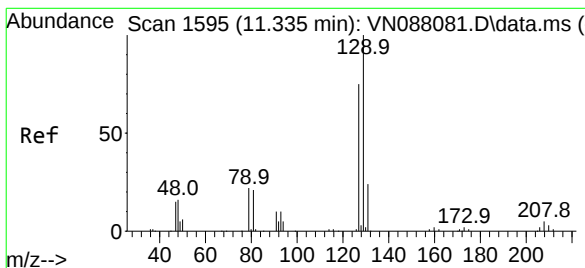
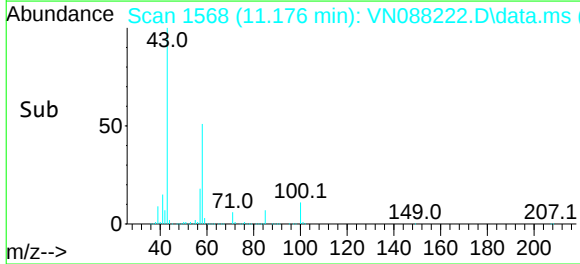
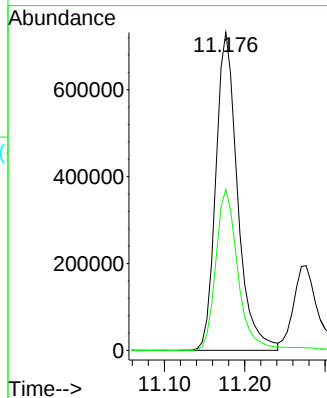
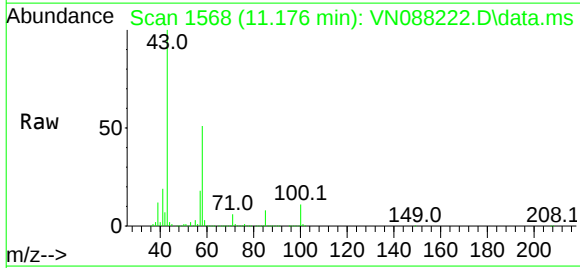
VSTDCCC050

Tgt Ion: 43 Resp: 1373734

Ion Ratio Lower Upper

43 100

58 52.8 25.9 77.8



#60

Dibromochloromethane

Concen: 52.910 ug/l

RT: 11.335 min Scan# 1595

Delta R.T. -0.000 min

Lab File: VN088222.D

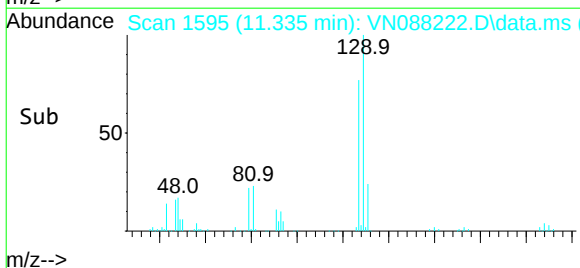
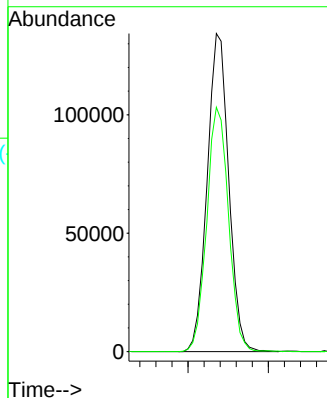
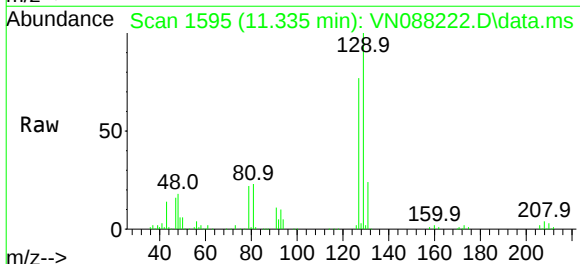
Acq: 07 Nov 2025 09:49

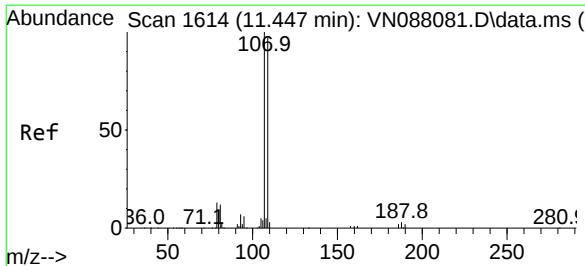
Tgt Ion:129 Resp: 250434

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.3

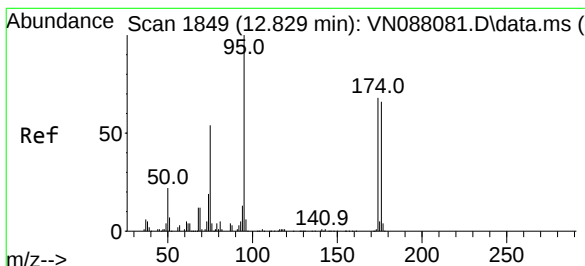
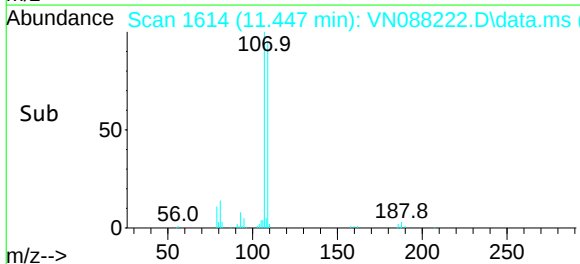
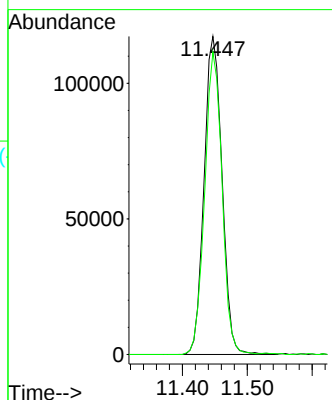
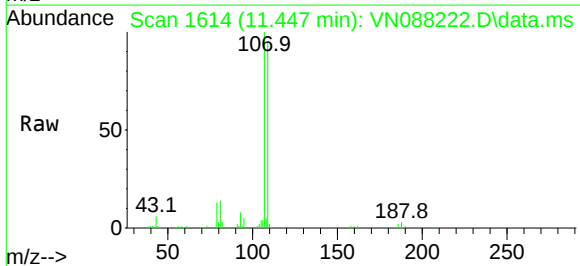




#61
1,2-Dibromoethane
Concen: 52.609 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

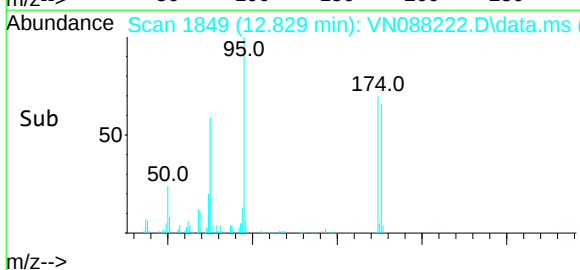
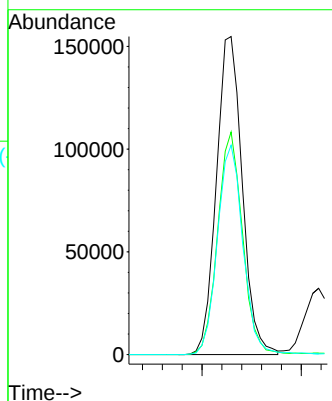
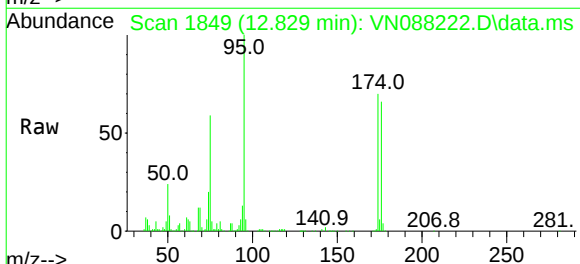
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

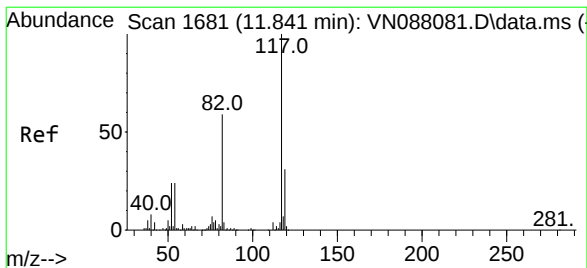
Tgt Ion:107 Resp: 225469
Ion Ratio Lower Upper
107 100
109 92.0 74.7 112.1



#62
4-Bromofluorobenzene
Concen: 51.457 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 95 Resp: 280345
Ion Ratio Lower Upper
95 100
174 67.2 0.0 138.4
176 65.1 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

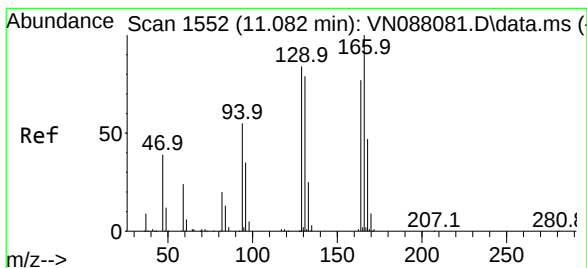
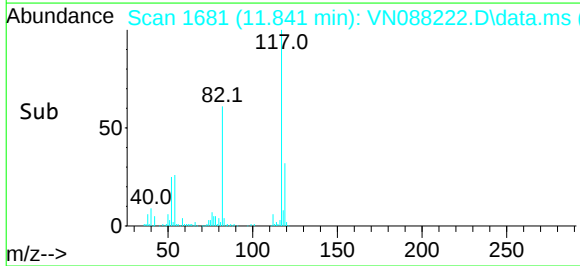
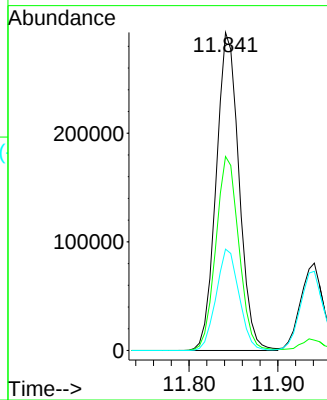
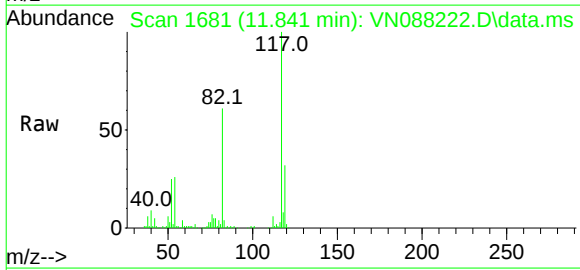
Tgt Ion:117 Resp: 524310

Ion Ratio Lower Upper

117 100

82 61.0 47.4 71.2

119 31.9 24.3 36.5



#64

Tetrachloroethene

Concen: 45.979 ug/l

RT: 11.082 min Scan# 1552

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Tgt Ion:164 Resp: 159014

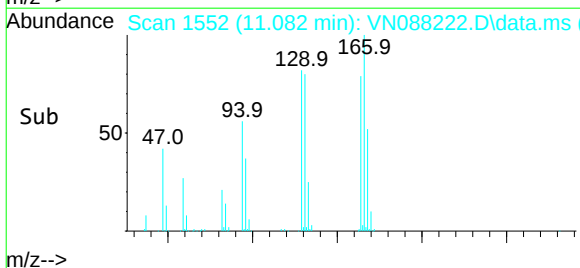
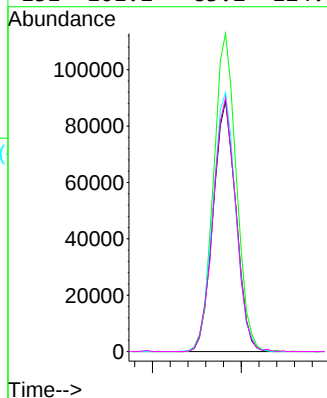
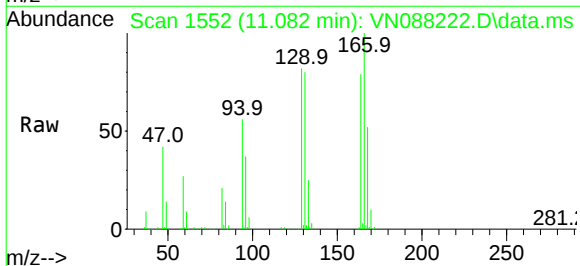
Ion Ratio Lower Upper

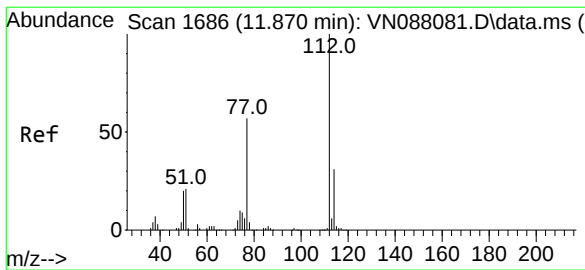
164 100

166 126.9 97.7 146.5

129 103.5 85.9 128.9

131 101.2 83.2 124.8

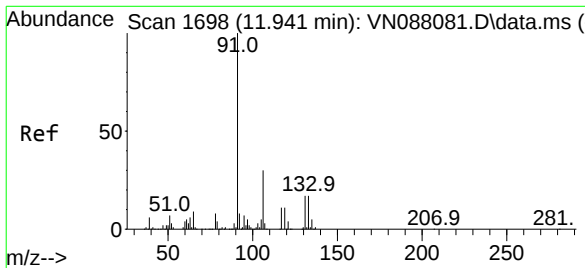
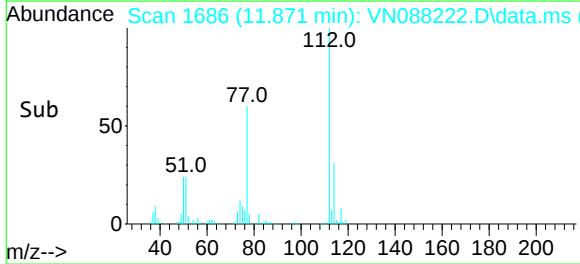
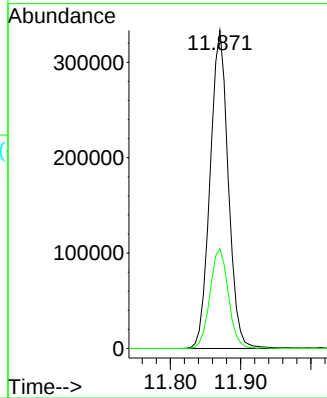
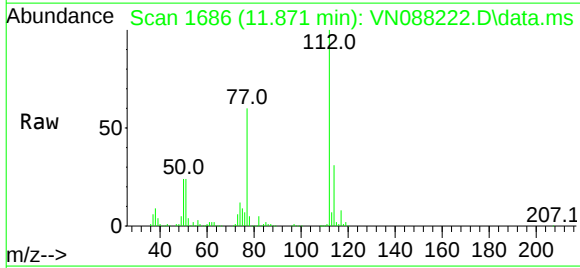




#65
Chlorobenzene
Concen: 50.280 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

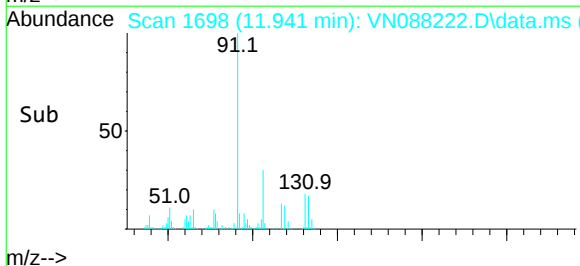
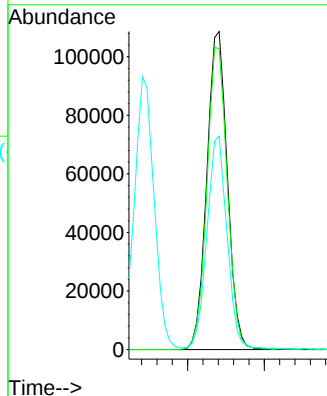
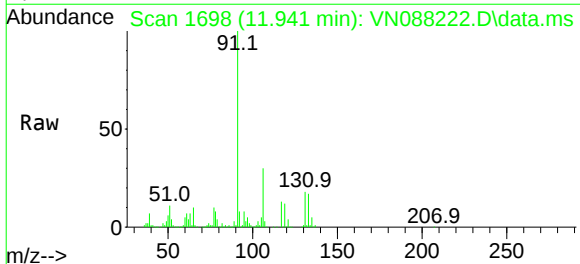
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

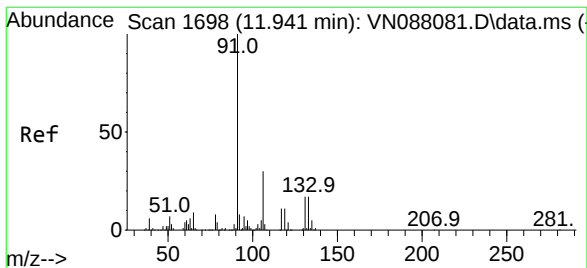
Tgt Ion:112 Resp: 598610
Ion Ratio Lower Upper
112 100
114 31.4 24.3 36.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.768 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion:131 Resp: 201920
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 65.4 32.6 97.7





#67

Ethyl Benzene

Concen: 49.372 ug/l

RT: 11.941 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

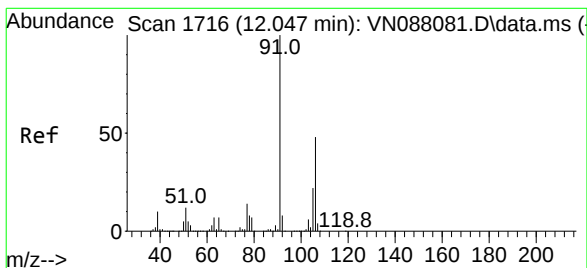
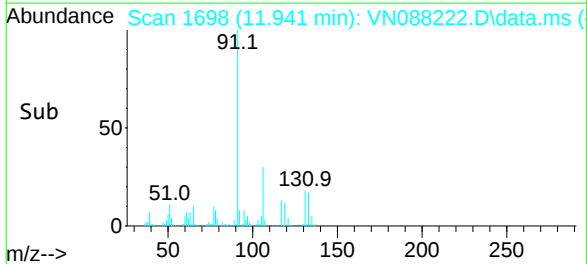
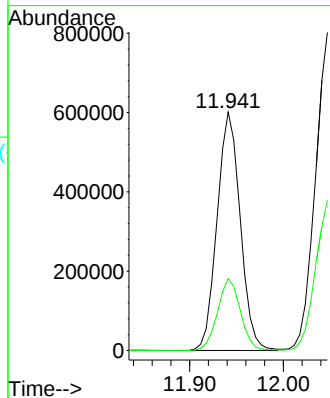
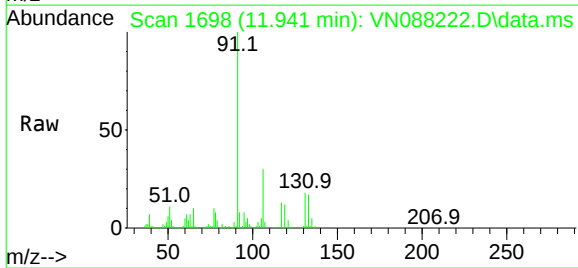
VSTDCCC050

Tgt Ion: 91 Resp: 1031771

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 97.965 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN088222.D

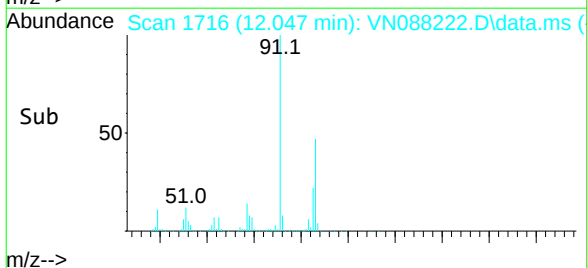
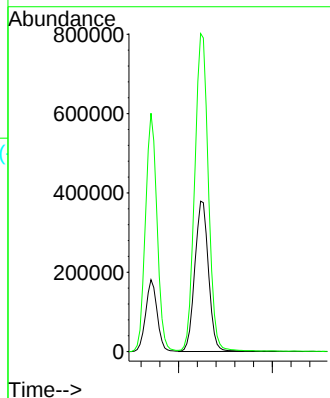
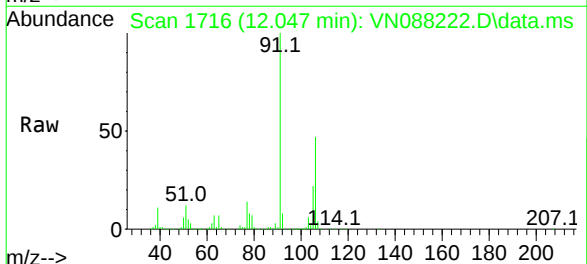
Acq: 07 Nov 2025 09:49

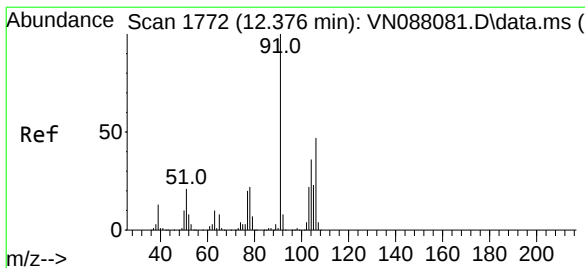
Tgt Ion:106 Resp: 767071

Ion Ratio Lower Upper

106 100

91 210.7 169.3 253.9

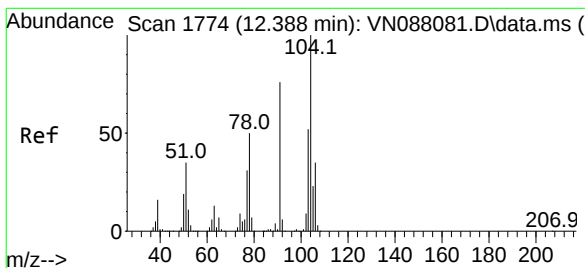
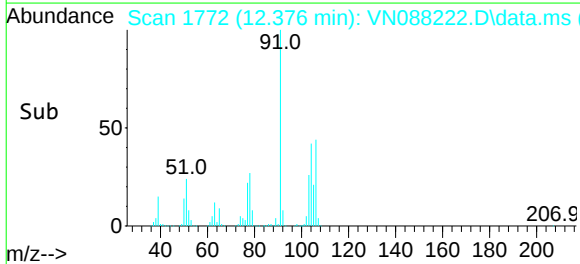
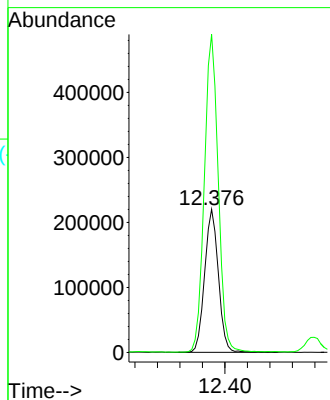
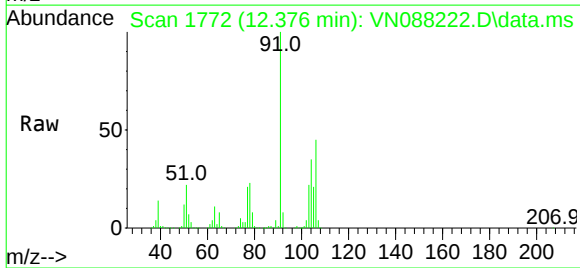




#69
o-Xylene
Concen: 50.286 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

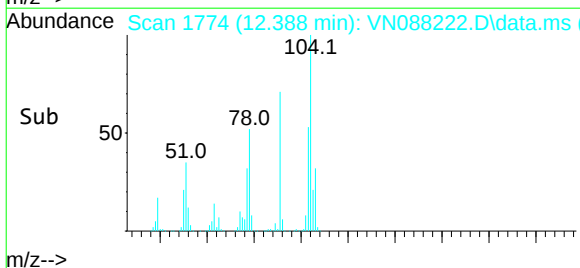
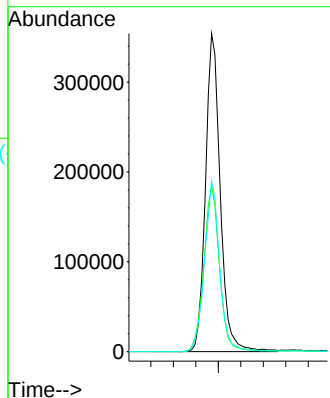
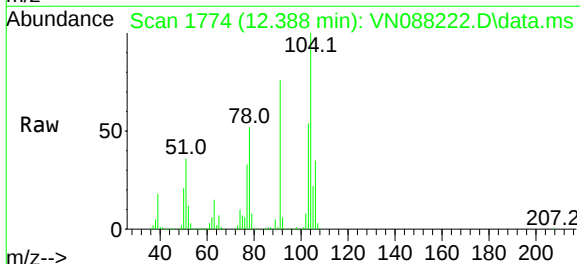
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

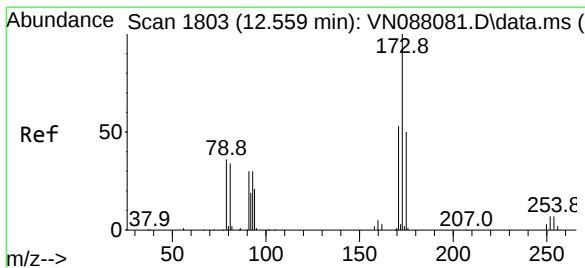
Tgt Ion:106 Resp: 373252
Ion Ratio Lower Upper
106 100
91 224.4 111.4 334.2



#70
Styrene
Concen: 53.331 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion:104 Resp: 645506
Ion Ratio Lower Upper
104 100
78 55.4 42.2 63.2
103 55.1 43.4 65.2





#71

Bromoform

Concen: 55.383 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

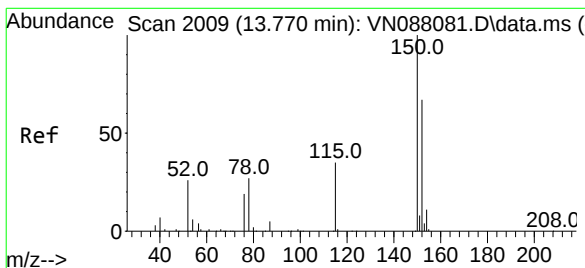
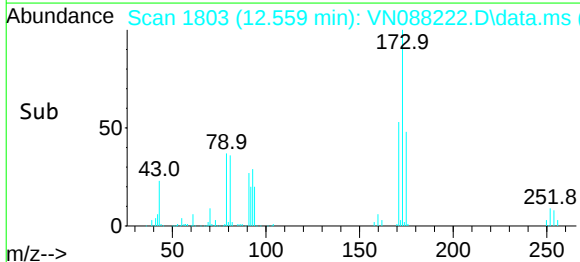
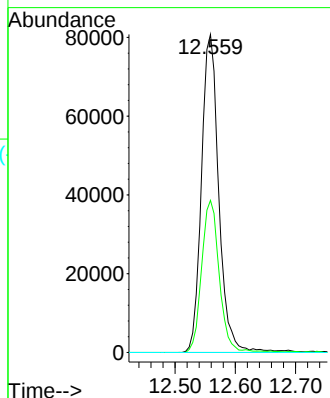
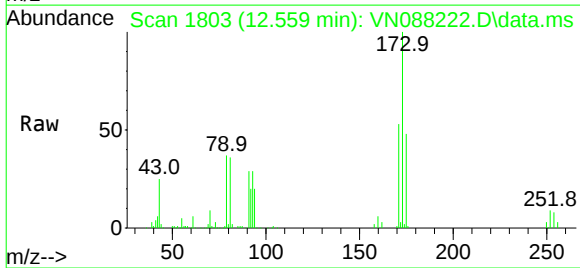
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:	173	Resp:	161209
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.9	74.6
254	0.0	0.1	0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

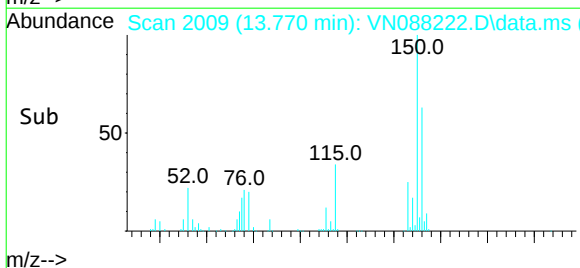
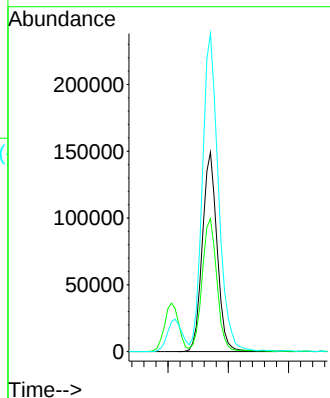
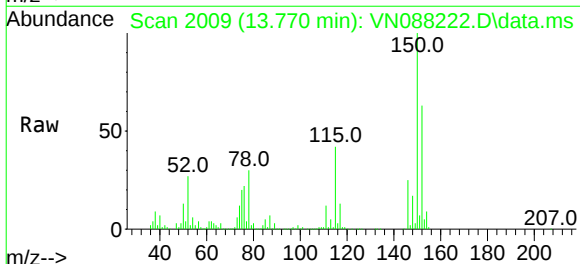
RT: 13.770 min Scan# 2009

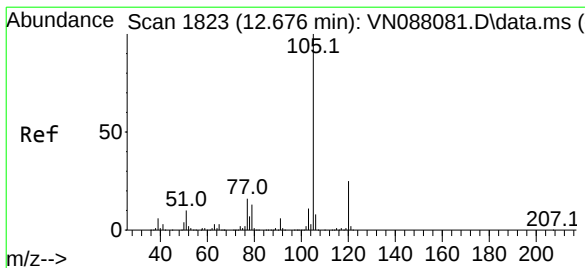
Delta R.T. 0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Tgt Ion:	152	Resp:	253740
Ion Ratio	Lower	Upper	
152	100		
115	67.5	32.3	96.8
150	172.3	0.0	351.0





#73

Isopropylbenzene

Concen: 47.773 ug/l

RT: 12.670 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

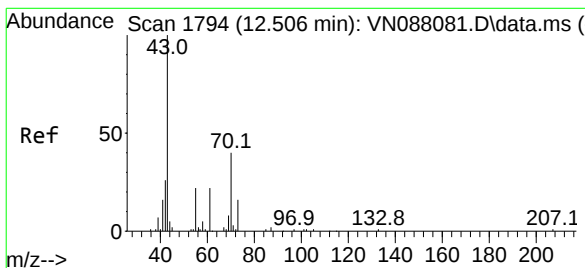
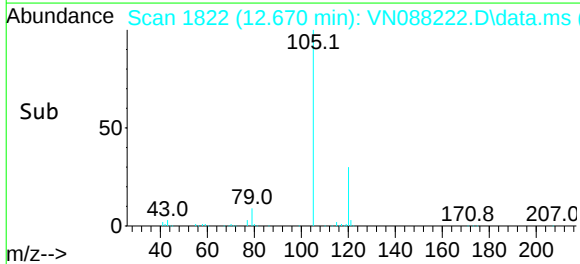
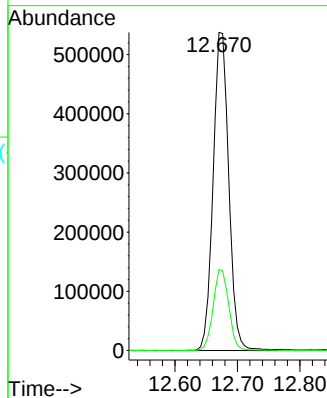
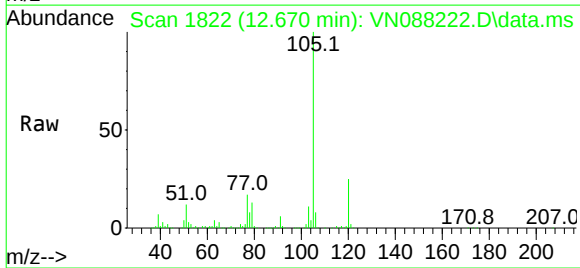
VSTDCCC050

Tgt Ion:105 Resp: 934927

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#74

N-ethyl acetate

Concen: 36.350 ug/l

RT: 12.506 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Tgt Ion: 43 Resp: 201943

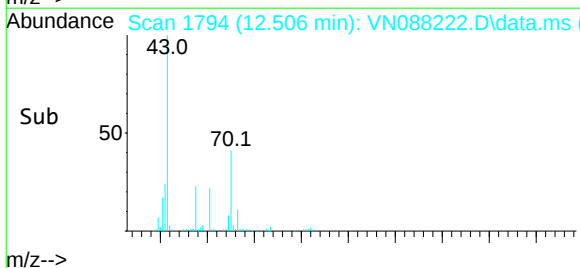
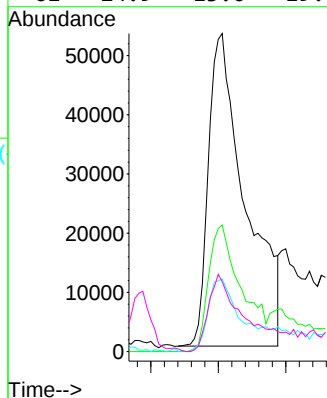
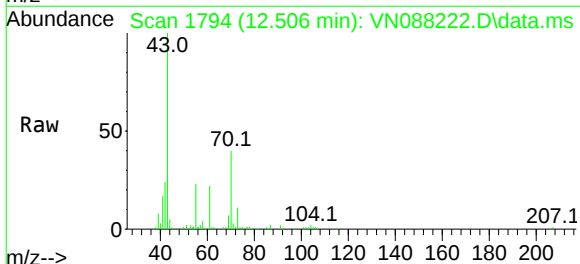
Ion Ratio Lower Upper

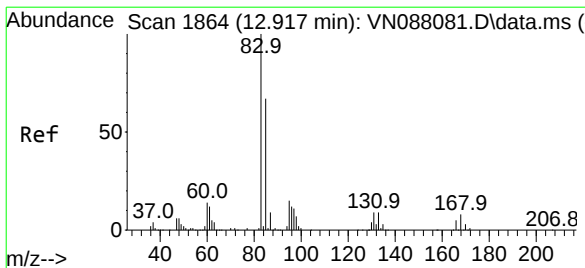
43 100

70 36.1 27.6 41.4

55 22.1 13.0 19.6#

61 24.9 13.0 19.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 53.788 ug/l

RT: 12.918 min Scan# 1864

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

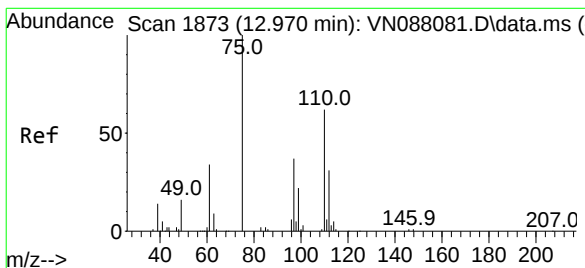
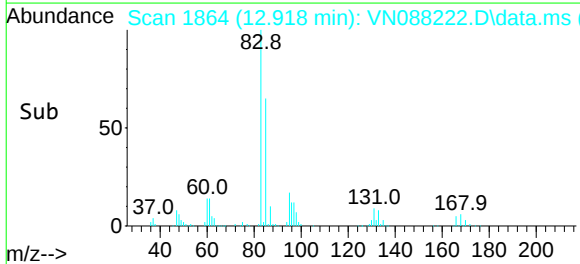
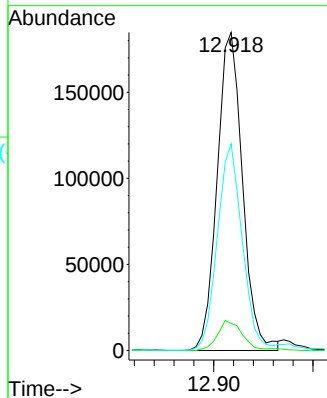
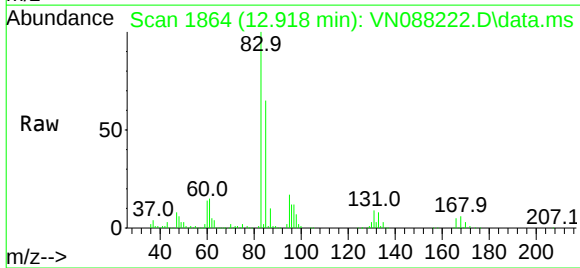
Tgt Ion: 83 Resp: 327726

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 63.4 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 77.799 ug/l

RT: 12.970 min Scan# 1873

Delta R.T. -0.000 min

Lab File: VN088222.D

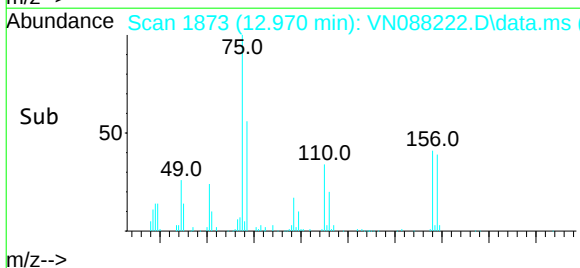
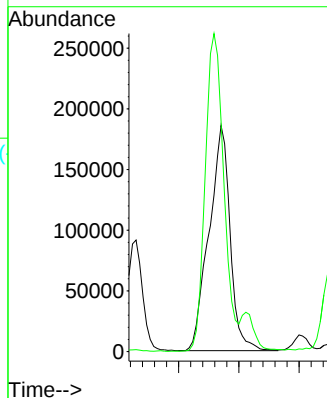
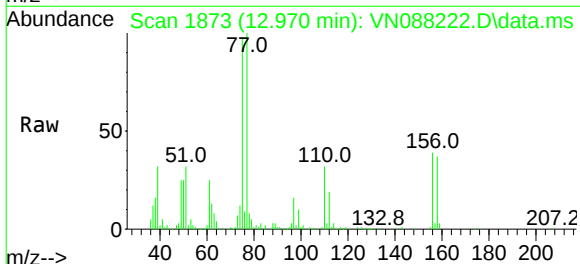
Acq: 07 Nov 2025 09:49

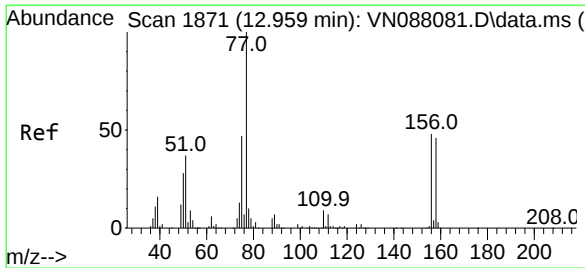
Tgt Ion: 75 Resp: 451335

Ion Ratio Lower Upper

75 100

77 124.8 89.1 267.4





#77

Bromobenzene

Concen: 52.263 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

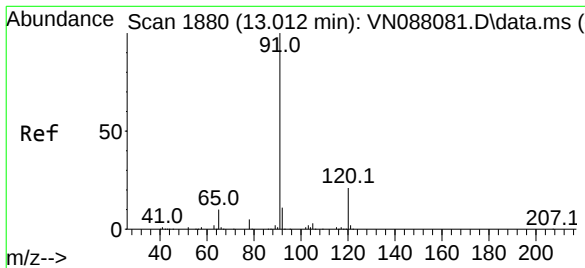
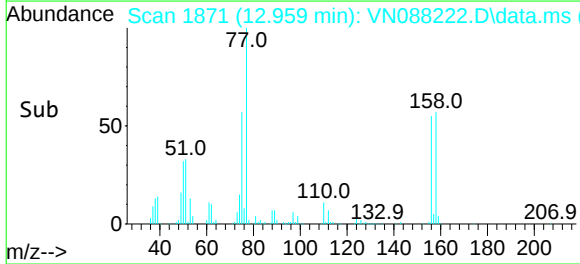
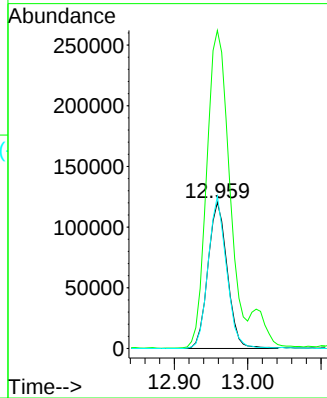
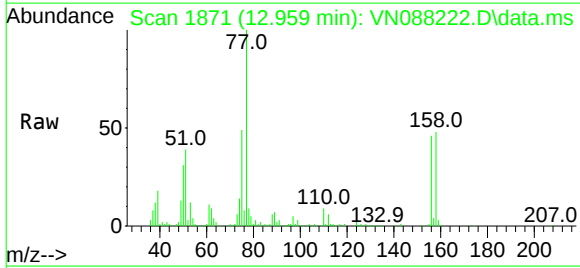
Tgt Ion:156 Resp: 220558

Ion Ratio Lower Upper

156 100

77 255.4 119.3 358.0

158 98.9 48.2 144.6



#78

n-propylbenzene

Concen: 47.391 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088222.D

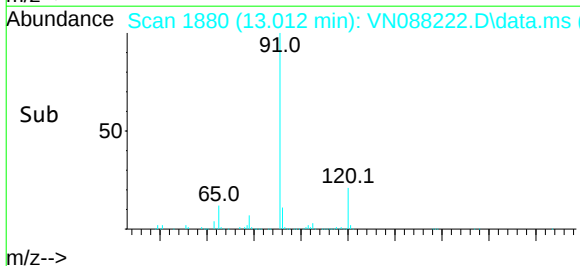
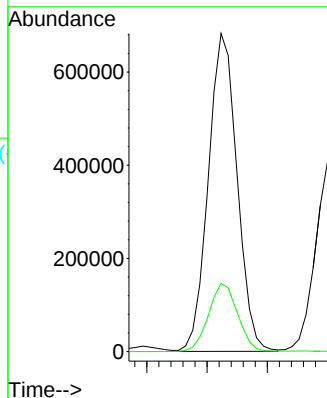
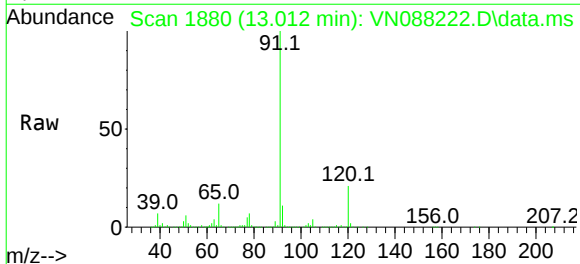
Acq: 07 Nov 2025 09:49

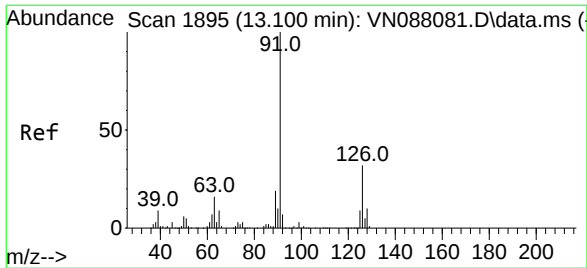
Tgt Ion: 91 Resp: 1131819

Ion Ratio Lower Upper

91 100

120 21.6 10.7 32.1





#79

2-Chlorotoluene

Concen: 52.083 ug/l

RT: 13.100 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

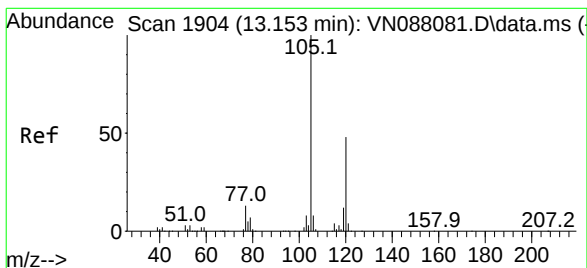
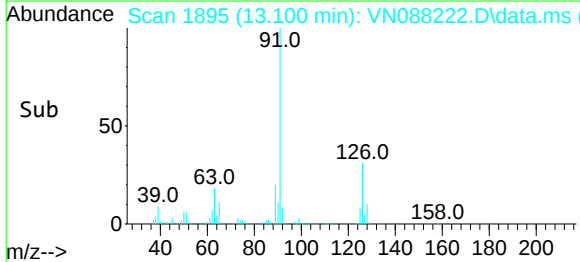
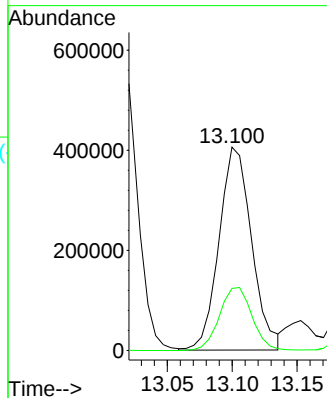
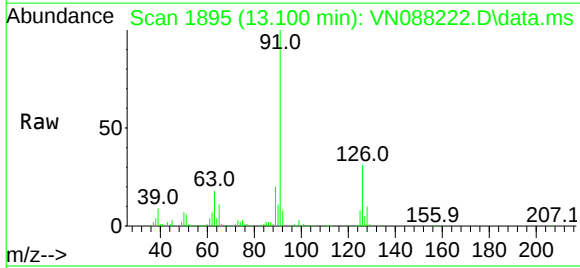
VSTDCCC050

Tgt Ion: 91 Resp: 709360

Ion Ratio Lower Upper

91 100

126 31.0 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 48.282 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VN088222.D

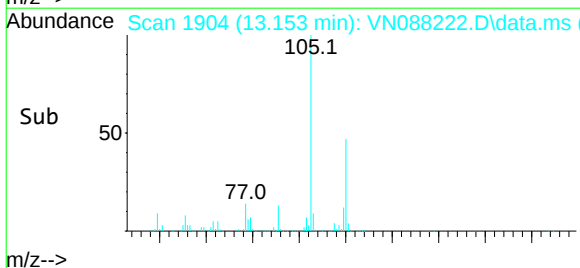
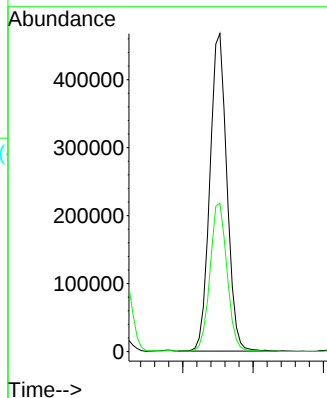
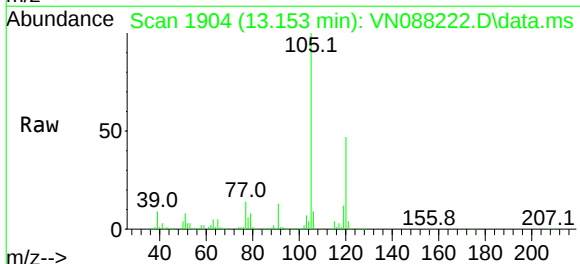
Acq: 07 Nov 2025 09:49

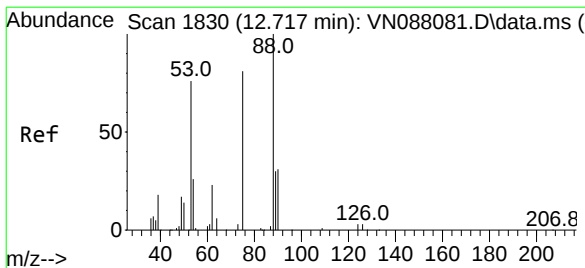
Tgt Ion:105 Resp: 784734

Ion Ratio Lower Upper

105 100

120 46.5 23.2 69.6

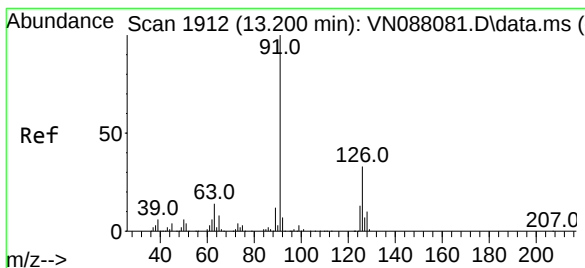
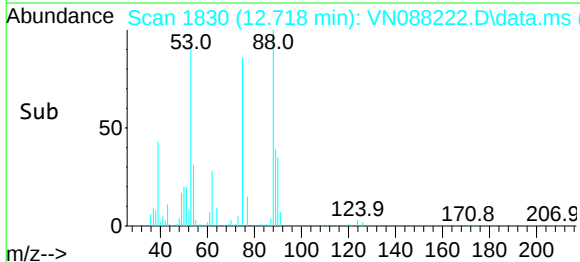
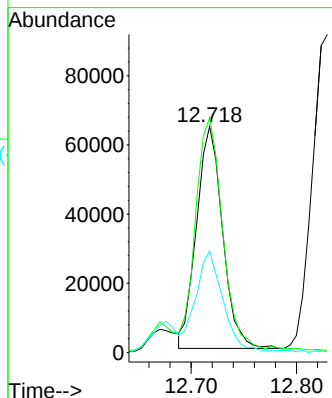
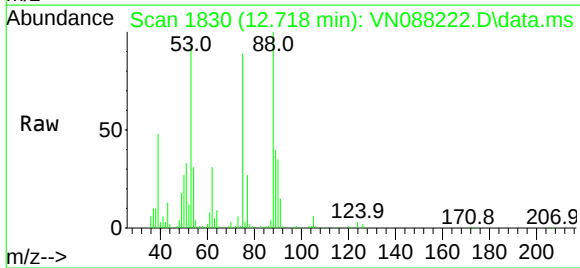




#81
trans-1,4-Dichloro-2-butene
Concen: 52.946 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

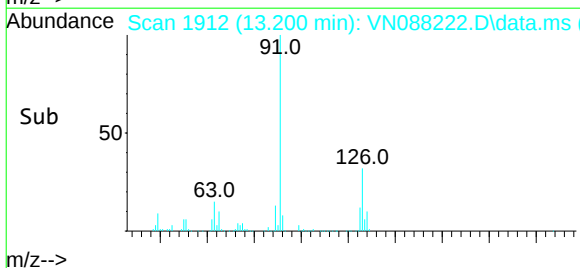
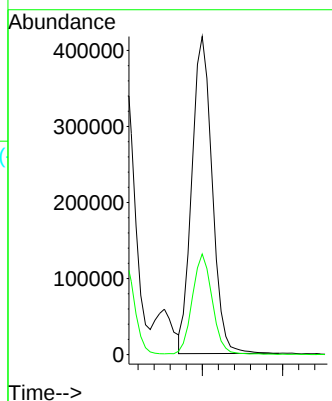
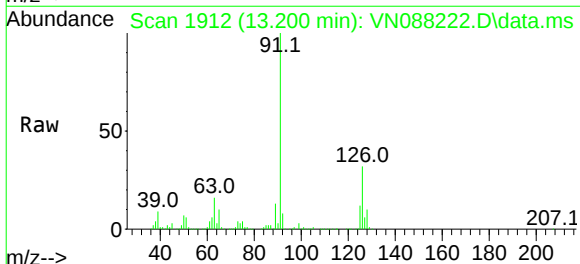
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

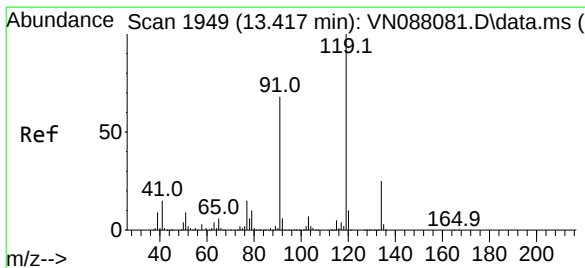
Tgt Ion: 75 Resp: 110109
Ion Ratio Lower Upper
75 100
53 107.6 101.8 152.6
89 49.5 35.6 53.4



#82
4-Chlorotoluene
Concen: 49.651 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 91 Resp: 731629
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.8





#83

tert-Butylbenzene

Concen: 44.196 ug/l

RT: 13.417 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

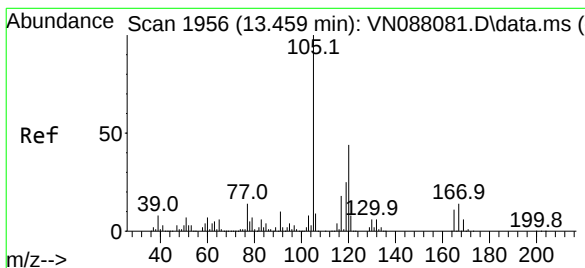
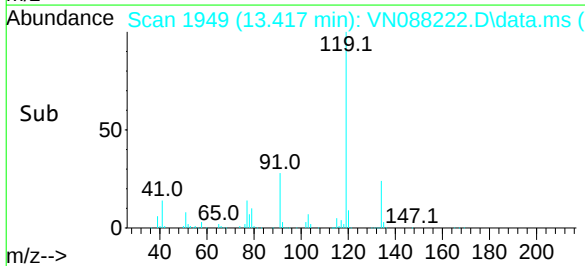
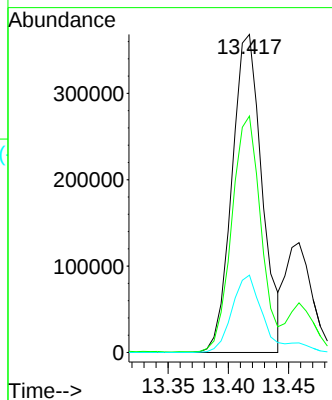
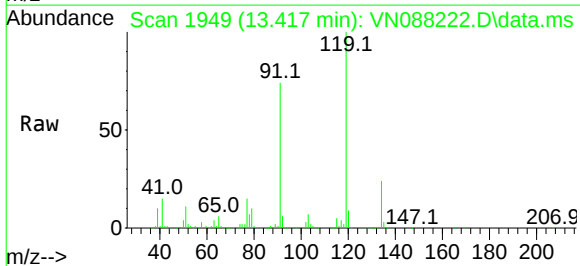
Tgt Ion:119 Resp: 641681

Ion Ratio Lower Upper

119 100

91 71.5 35.0 105.0

134 26.0 12.6 37.8



#84

1,2,4-Trimethylbenzene

Concen: 49.554 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088222.D

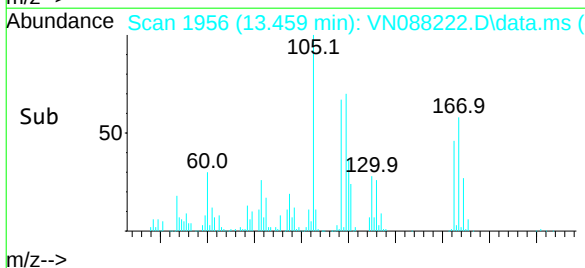
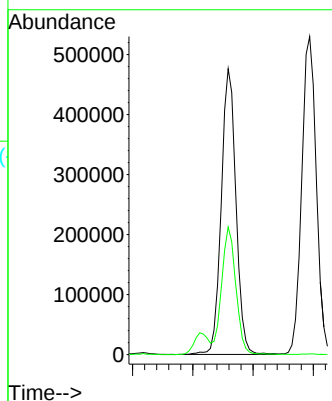
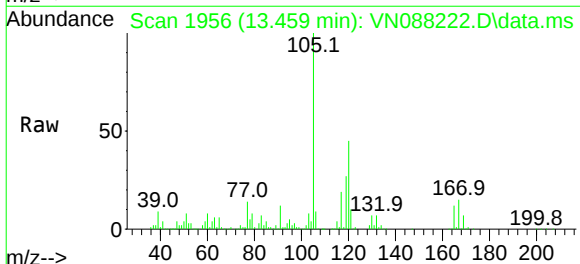
Acq: 07 Nov 2025 09:49

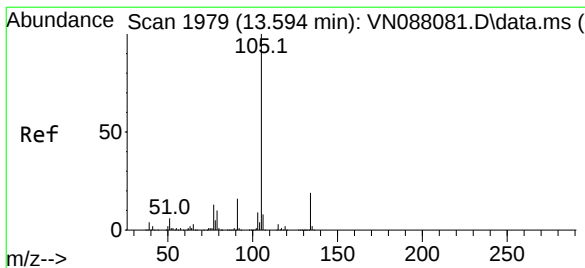
Tgt Ion:105 Resp: 805835

Ion Ratio Lower Upper

105 100

120 43.4 22.0 66.0

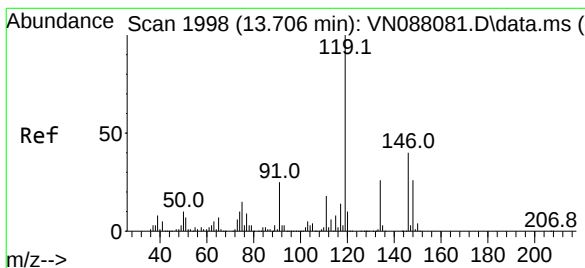
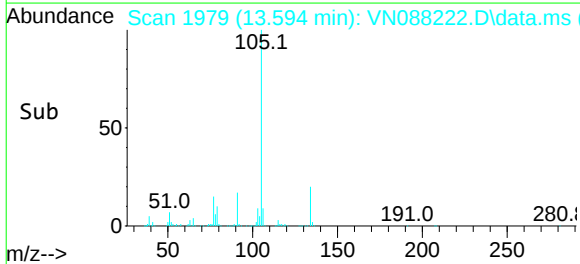
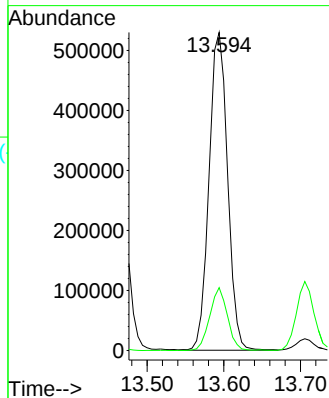
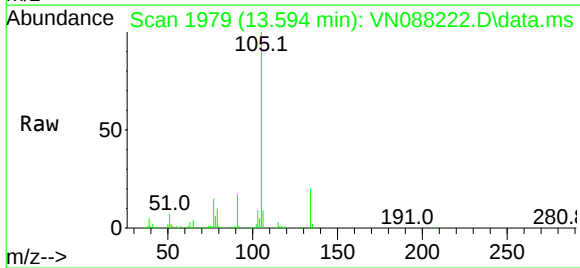




#85
 sec-Butylbenzene
 Concen: 41.649 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

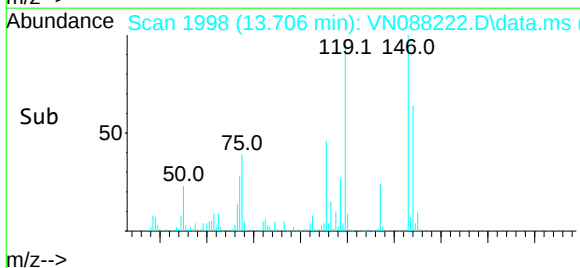
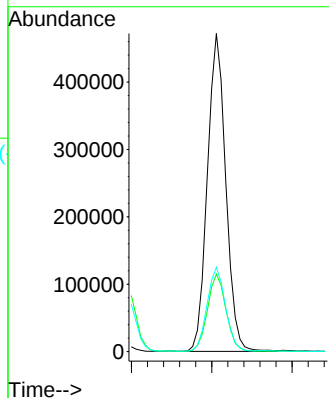
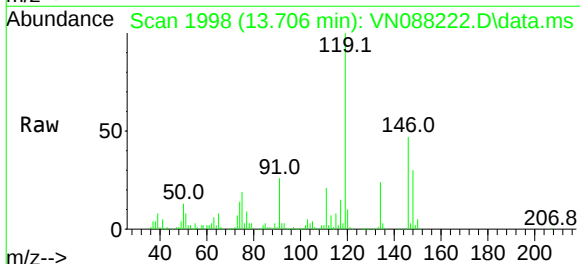
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

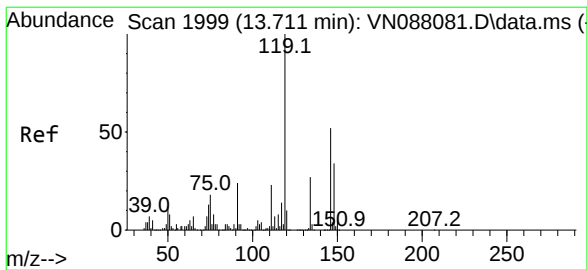
Tgt Ion:105 Resp: 888435
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 43.807 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088222.D
 Acq: 07 Nov 2025 09:49

Tgt Ion:119 Resp: 749639
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.7 38.0
 91 26.1 12.5 37.5





#87

1,3-Dichlorobenzene

Concen: 50.189 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

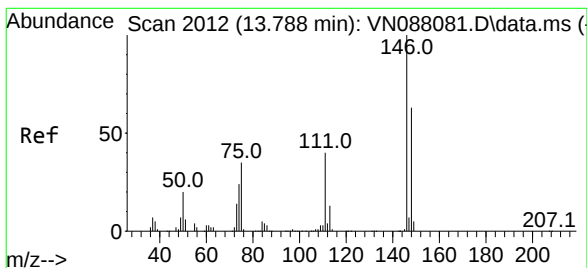
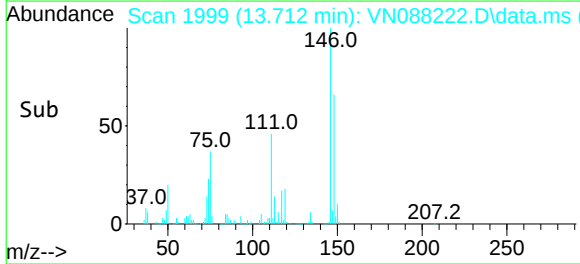
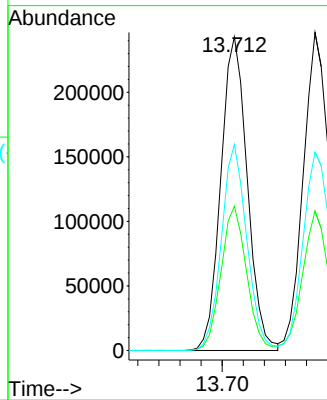
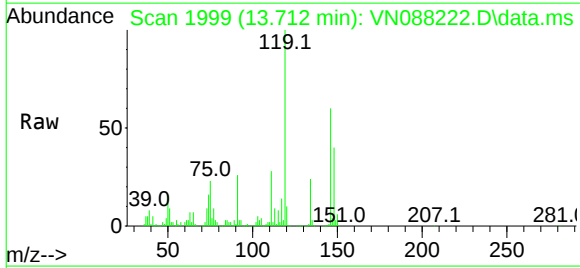
Tgt Ion:146 Resp: 422825

Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.5

148 63.3 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 47.214 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

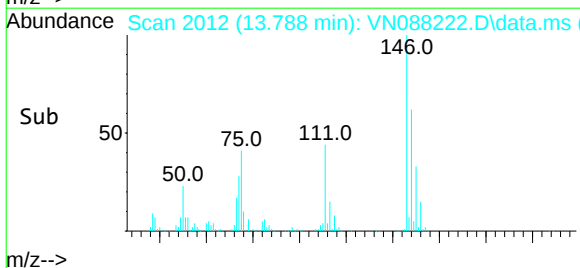
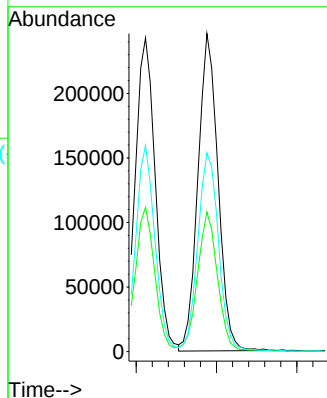
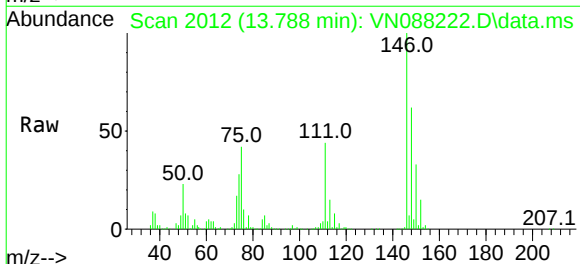
Tgt Ion:146 Resp: 427207

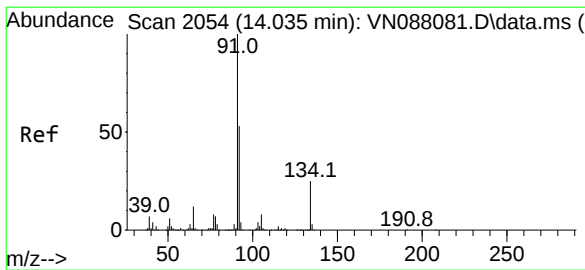
Ion Ratio Lower Upper

146 100

111 44.8 21.0 63.0

148 64.8 32.0 96.0

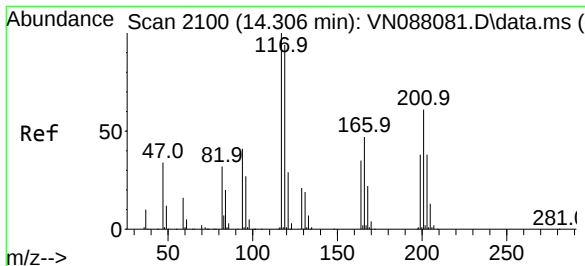
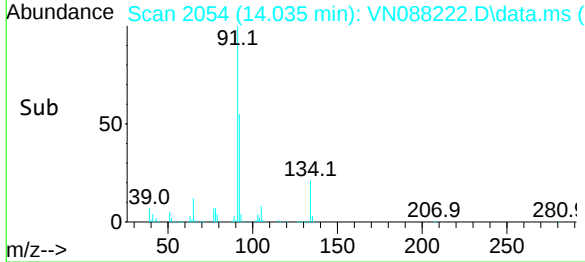
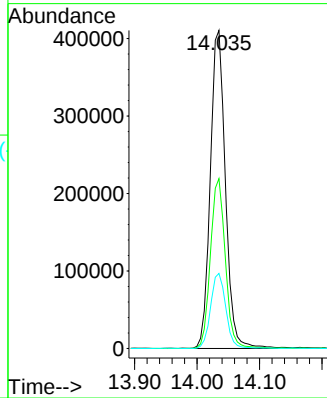
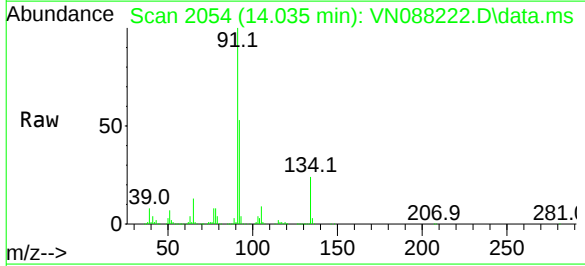




#89
n-Butylbenzene
Concen: 40.741 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

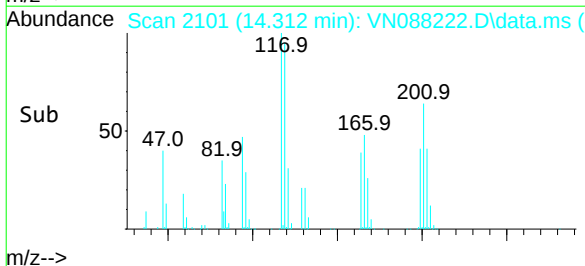
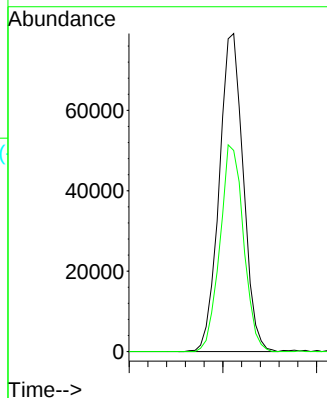
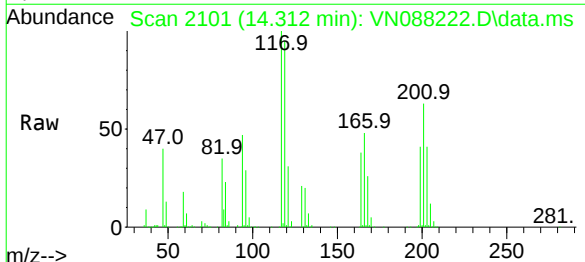
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

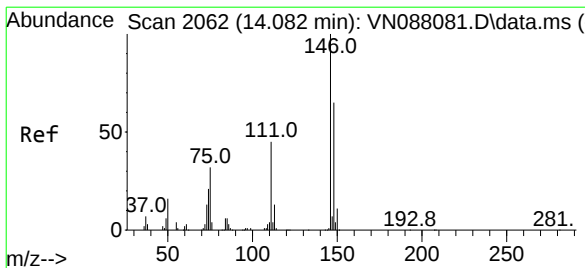
Tgt Ion: 91 Resp: 690570
Ion Ratio Lower Upper
91 100
92 52.7 25.9 77.8
134 23.9 11.7 35.0



#90
Hexachloroethane
Concen: 42.586 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN088222.D
Acq: 07 Nov 2025 09:49

Tgt Ion: 117 Resp: 141121
Ion Ratio Lower Upper
117 100
201 63.8 29.1 87.4





#91

1,2-Dichlorobenzene

Concen: 49.736 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

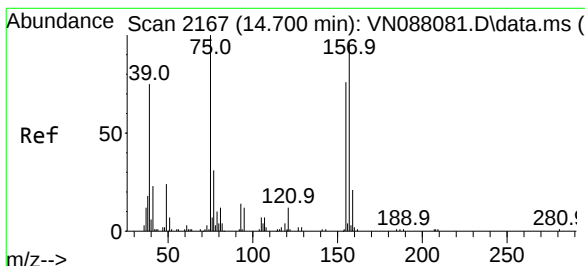
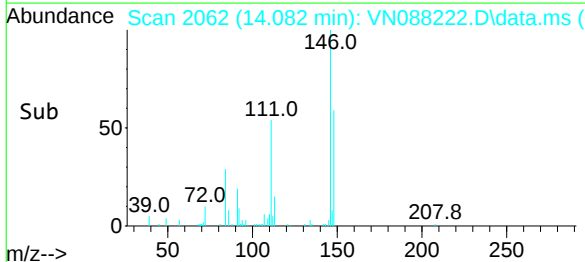
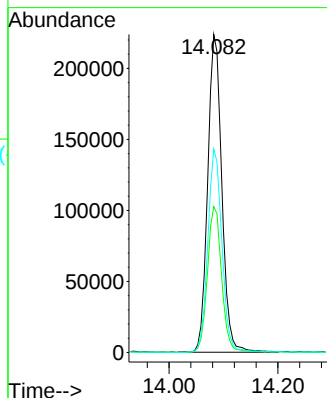
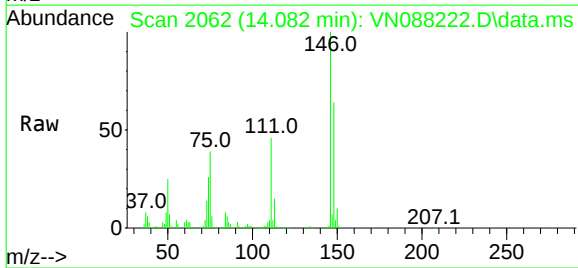
Tgt Ion:146 Resp: 403897

Ion Ratio Lower Upper

146 100

111 46.4 22.6 67.8

148 63.7 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.142 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. -0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

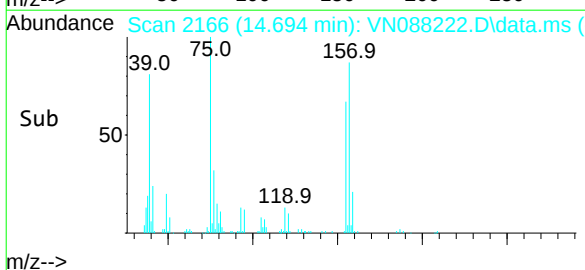
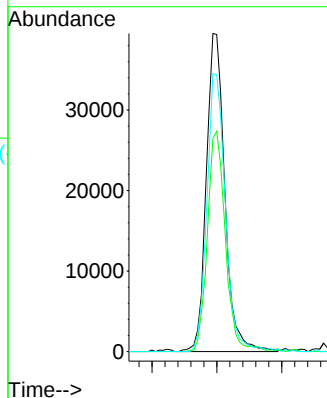
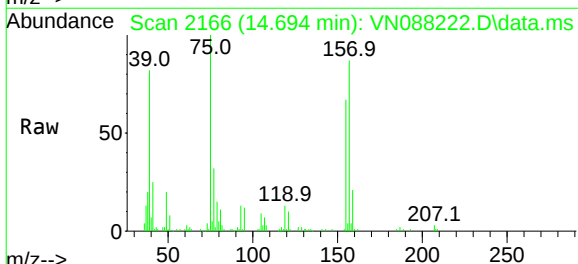
Tgt Ion: 75 Resp: 78198

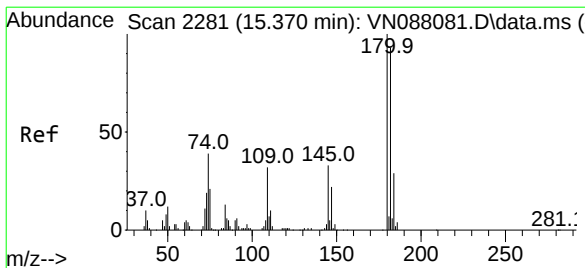
Ion Ratio Lower Upper

75 100

155 67.6 36.6 109.9

157 87.6 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 41.999 ug/l

RT: 15.364 min Scan# 2281

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

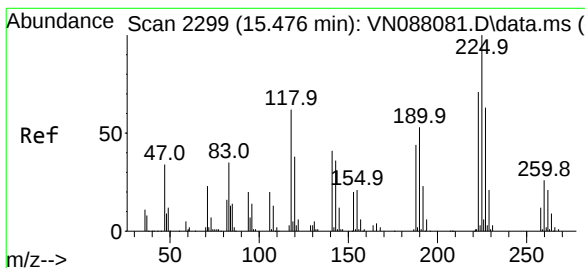
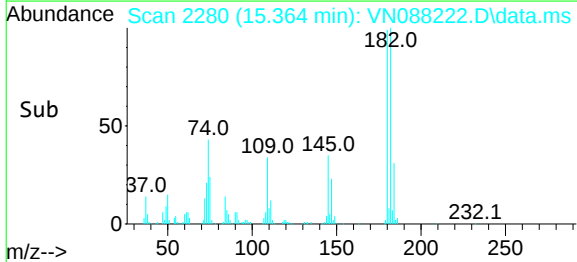
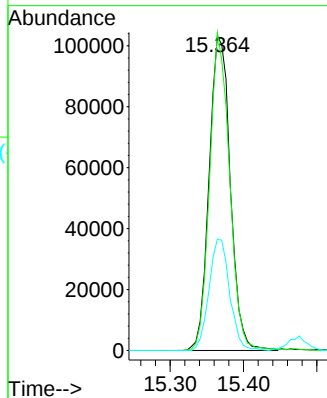
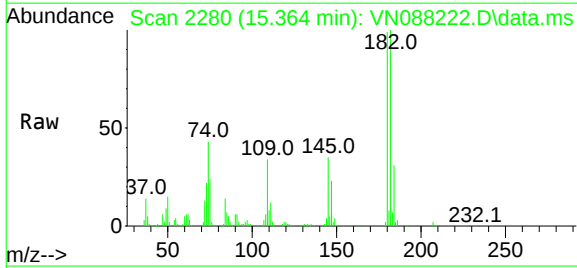
Tgt Ion:180 Resp: 206557

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.9

145 34.6 16.5 49.5



#94

Hexachlorobutadiene

Concen: 35.243 ug/l

RT: 15.470 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

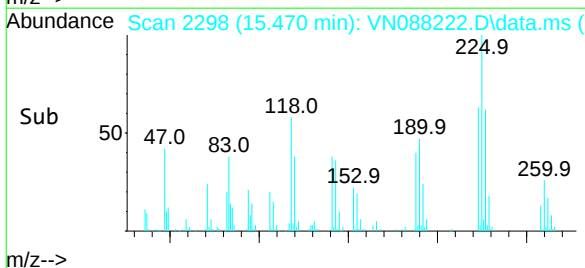
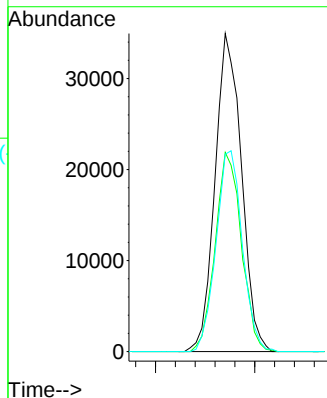
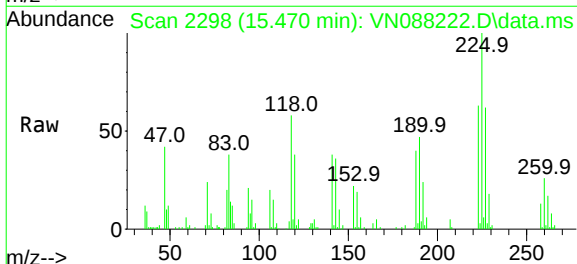
Tgt Ion:225 Resp: 64547

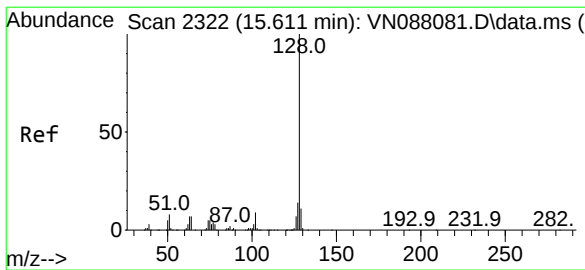
Ion Ratio Lower Upper

225 100

223 62.1 32.0 96.2

227 62.9 32.1 96.5





#95

Naphthalene

Concen: 47.267 ug/l

RT: 15.611 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

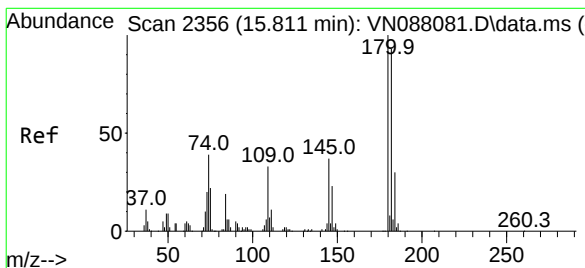
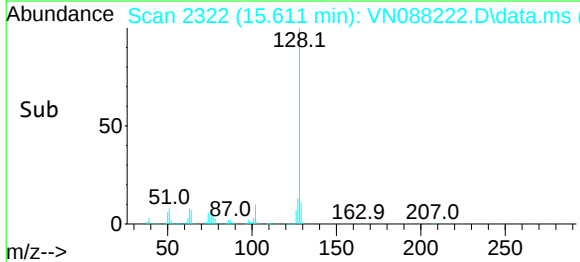
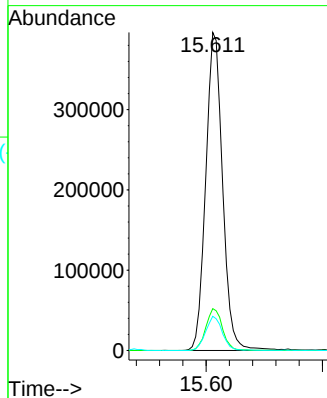
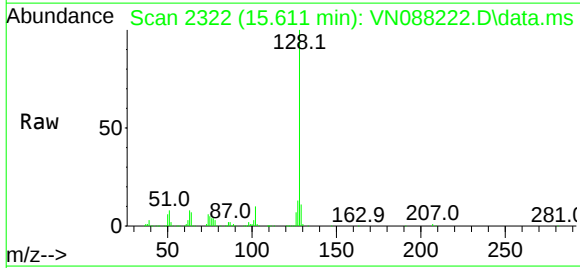
Tgt Ion:128 Resp: 796369

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 41.969 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN088222.D

Acq: 07 Nov 2025 09:49

Tgt Ion:180 Resp: 197915

Ion Ratio Lower Upper

180 100

182 92.1 46.8 140.3

145 35.4 17.3 52.0

